



# 2016

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TOMORROW**

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# AUTOMOTIVE & SMALL ENGINE



**1** Shure® Mobile Tear Down Bench  
Page 73 | Stk. 795222  
\$1,667.00

**2** Small Engine Tool Cabinet with Tools  
Page 81 | Stk. 559114  
\$6,795.00

**3** Greene Mfg. Mobile Work Bench  
Page 72 | Stk. 433669  
\$2,237.00

**4** Craftsman® Industrial 7000 Series Tool Chest  
Page 233 | Stk. 305615  
\$3,175.00

**5** Craftsman® Industrial 3000 Series Tool Chest  
Page 232 | Stk. 305621  
\$453.00

**6** Briggs & Stratton® Advanced Engine Training Kit  
Page 483 | Stk. 203175  
\$9,384.00

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Sales Manager - kluft@midwesttechnology.com



**Al Ryan ext. 3130**  
38 Years Experience  
aryan@midwesttechnology.com



**Cindy Jungers ext. 3107**  
25 Years Experience  
cjungers@midwesttechnology.com



**Sarah Cruz ext. 3120**  
18 Years Experience  
scruz@midwesttechnology.com



**Dan Goodwin ext. 3104**  
19 Years Experience  
dgoodwin@midwesttechnology.com



**Arlene Kennedy**  
19 Years Experience  
akennedy@midwesttechnology.com

## National Network of Representatives



East FL  
Terry Johnson  
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Stephanie  
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AL, GA, TN  
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Available 24/7
- 2** Web [midwesttechnology.com](http://midwesttechnology.com)  
10,000+ products available online
- 3** Fax 800.285.7054  
Send in our order form or your purchase order
- 4** Phone 800.831.5904  
Call our knowledgeable staff (left-to-right below):  
Al, Dan, Cindy, Sarah, Arlene, Kevin
- 5** Mail P.O. Box 3717, Sioux City, IA 51102

# WE ARE HERE TO HELP YOU

## Our Mission:

*Partnering with educators to prepare the workforce of tomorrow by providing innovative resources of uncompromising value.*



# NEW PRODUCTS

## Kreg Automaxx™ 24" Bar Clamp

Page 141 | Stk. 793915  
\$46.50



## Revell 1969 Camaro Z/28 Model Kit

Page 26 | Stk. 688690  
\$23.70



## Pinewood Derby® Car

Page 28 | Stk. 688840  
\$17.30



## Greene 4-Station Gas Welding Table

Page 461 | Stk. 433640  
\$3,503.00



## V-8 Engine Model Kit

Page 25 | Stk. 688700  
\$72.90



## Rikon 8" Benchtop Drill Press

Page 333 | Stk. 694170  
\$188.00



## Chaney Solder Activity Kit, 24-Students

Page 54 | Stk. 300958  
\$135.00



## Coats® Vero Series™ V200 Wheel Balancer

Page 508 | Stk. 558221  
\$7,999.00



## Miller LiveArc™ Welding Performance Management System

Page 443 | Stk. 566325  
\$44,640.00

**FEATURED  
PRODUCT**



## Powermatic 20" Band Saw

Page 342 | Stk. 656693  
\$6,006.00



# 3D PRINTING

FEATURED  
PRODUCT



## LulzBot TAZ 5 3D Printer

The TAZ is a versatile, high-performance desktop 3D printer that respects your freedom to create. Merging technical expertise with design sensibilities, TAZ is engineered for quality.

Page 10 | Stk. 510701  
\$2,200.00



## MakerBot® Replicator 2X 3D Printer

Equipped with two extruders & optimized for ABS filament, the MakerBot Replicator 2X is prepared for future developments in 3D printing.

Page 13 | Stk. 512804  
\$2,499.00



## Afinia H480 3D Printer

3D Printer comes fully assembled with easy to install software for both the PC & Mac. 3D Printer can prototype a part or model that is up to 5" cubed in dimensions.

Page 9 | Stk. 190302  
\$1,299.00



## LulzBot Mini 3D Printer

The LulzBot Mini boasts proven technology & gives you the ability to use the latest new materials & software in the 3D printing industry.

Page 10 | Stk. 510710  
\$1,350.00



## Afinia H800 3D Printer

H-Series 3D Printer provides a true "Out-of-the-Box 3D Printing Experience". 3D Printer comes fully assembled with easy to install software for both the PC & Mac.

Page 9 | Stk. 190320  
\$1,899.00



## PLA & ABS Filament

Shop our wide selection of filament in a rainbow of colors.

Pages 9-13

# FABRICATION EQUIPMENT



## Roland CAMM-1 Desktop Vinyl Cutter

Ideal for schools, this easy-to-use, affordable, versatile vinyl cutter, produces colorful vinyl graphics.

Page 45 | Stk. 769598  
\$1,956.00



FEATURED  
PRODUCT

## Miller XMT® 304 CC/CV Multiprocess Welder

The multiprocess welder combines the advantages of inverter-based power with the built-in features & productivity of high-end MIG machines.

Page 449 | Stk. 567027  
\$3,581.00



## JET 7" x 12" Horizontal/Vertical Band Saw

Metalworking band saw has everything any operator needs to tackle even the toughest job.

Page 432 | Stk. 485807  
\$1,484.00



## Full Spectrum Desktop Laser Cutter & Engraver

This compact desktop CO2 laser cutter is capable of cutting 1/4" acrylic & 1/4" wood as well as marking anodized aluminum, glass, marble/granite & Thermank treated metals.

Page 15 | Stk. 416150  
\$3,499.00



## General CNC® Machine

Great for carvings on furniture, woodwork, doors & cabinets, plus 2D & 3D carved wooden signage.

Page 14 | Stk. 420865  
\$7,464.00



## Di-Acro 24" Finger Brake

Finger brake lends versatility & accuracy to the forming of angles, channels, flanges, "Vees" & box parts with speed & precision.

Page 406 | Stk. 325675  
\$4,935.00

# FURNITURE & STORAGE



## Shain Stainless Steel Table

National Safety Foundation certified stainless steel table with galvanized steel legs & under-shelf.

Page 88 | Stk. 155084

\$370.00



## Hann STEM Robotics Workstation

This workbench with shelves is a great centerpiece for any robotics program.

Page 66 | Stk. 439405

\$1,620.00



## Durham Heavy-Duty Shelving

5-shelf extra heavy duty shelving unit holds 3,000 lbs. evenly distributed weight per shelf.

Page 107 | Stk. 345143

\$680.00

FEATURED  
PRODUCT



## Hann 8-Station Work Bench

This unit can serve as a training module or project center for up to eight students.

Page 66 | Stk. 439495

\$6,453.00

## Tennsco Electronics Work Bench

Work bench features a panel leg construction with electrical outlet panel & riser, allowing for a variety of applications such as testing equipment & electronic component assembly.

Page 72 | Stk. 892611

\$535.00



## Fleetwood Laptop Storage

High quality, rugged storage cart holds up to 12 laptops.

Page 100 | Stk. 407472

\$1,751.00





# STEM KITS



## K'NEX Exploring Wind & Water Energy

Build 6 renewable energy models, two at a time.

Page 42 | Stk. 498731  
\$78.70



## Fischertechnik Middle School STEM Lab

Energy, power & robotics lab program provides a standards-based curriculum involving inquiry, design & problem solving.

Page 40 | Stk. 406100  
\$895.00



## Bioloid STEM Standard Robot Kit

The kit comes with instructions for 7 example robots and 21 weeks of educational training.

Page 62 | Stk. 769103  
\$349.00

## PicoTurbine Solar Power Fun Racer

Ideal for learning the basics of solar cell technology & circuitry design.

Page 49 | Stk. 681536  
\$25.60



## littleBits Smart Home Kit

The Smart Home Kit can turn any household object into an internet-connected device.

Page 50 | Stk. 505115  
\$262.00



## Junior Tool Box Kits

Students will experience cutting & bending metal, as well as spot welding or use of pop rivets.

Page 403 | Stk. 232995  
\$49.00



## Model House Framing Kit

3/4" scale model house framing kit. Students construct their own hip roof house.

Page 35 | Stk. 478520  
\$98.90



# BUY IN QUANTITY & SAVE

## Quantity Savings!

Look for this icon and **SAVE** when you buy in quantity!



### Quantity Savings!

#### 4-Student Butcher Block Wood Top

64"L x 54"D x 2-1/4"T

Page 69 | Stk. 128134

Each **\$786.00**

2+ **\$699.00**

### Quantity Savings!

#### 24"H Masonite Seat Stool

Colors: gray metallic, beige, black, brown or sand enamel finish.

Page 92 | Stk. 143268

Each **\$50.00**

12+ **\$46.00**



### Quantity Savings!

#### 4" x 24" Sanding Belt

Page 257 | Stk. 605442

Each **\$4.41**

10+ **\$3.70**



### Quantity Savings!

#### Bib-Style Work Apron

28"W x 35"L

Page 122 | Stk. 885098

Each **\$8.25**

24+ **\$6.99**



### Quantity Savings!

#### Monitor® Germicidal Eyewear Sanitizing Cabinet

22"H x 14"W x 9-1/4"L

Page 131 | Stk. 772684

Each **\$527.00**

3+ **\$475.00**



### Quantity Savings!

#### Sebring® 400 Safety Glasses

Meets ANSI Z87.1+ standards.

Page 127 | Stk. 772689

Each **\$2.04**

24+ **\$1.84**



### Quantity Savings!

#### Disposable Brush

Page 271 | Stk. 485604

Each **\$0.38**

48+ **\$0.31**



### Quantity Savings!

#### CO2 Cartridge with Safety Weld Closure

Page 28 | Stk. 957923

Each **\$0.45**

100+ **\$0.39**



### Quantity Savings!

#### Mousetrap

Page 26 | Stk. 543999

Each **\$0.76**

144+ **\$0.61**



### Quantity Savings!

#### Birch Dowel Rods

48"L x 3/8" dia.

Page 210 | Stk. 474135

Each **\$1.60**

100+ **\$1.35**



## 3D PRINTERS



### 3Doodler 2.0 Handheld 3D Printer

**3Doodler** The 3Doodler is the world's first and best 3D printing pen that allows

you to draw in 3D by extruding heated plastic filament that cools almost instantly into a solid, stable structure. You'll be able to draw up into the air and create anything you can think of, whether it be a lamp shade, an architectural model, decorations, or even jewelry.

- Anodized aluminum casing
- LED notifies you when extruder is hot
- Manual temperature optimization
- Dual speed control
- Extrudes ABS or PLA plastic

**3Doodler 3D Printer Includes** pen, power adapter, cleaning tool, nozzle removal tool, mini screwdriver, maintenance cover, 50 strands of filament, quick start & user guide.

Stk.	Mfr.	Price
<b>590500</b>	3DOOD-V2-US	<b>\$99.00</b>

**3Doodler 3D Printer Educational Bundle Includes** 12 pens, 12 power adapters, 4 nozzle sets, 2 JetPacks, 12 Doodle stands, 6 cleaning tools, 6 nozzle removal tools, 12 mini screwdrivers & 1,200 strands of filament.

Stk.	Mfr.	Price
<b>590501</b>	3DOODV2EDUALLUS	<b>\$1,000.00</b>



### Afinia H800 3D Printer

**Afinia** Printer comes fully assembled with easy-to-install software for both the PC and Mac. Printer can prototype a part or model, within .10mm accuracy, that has 30% of the strength of injection molded parts. Software features an easy-to-use interface for laying out, orienting, duplicating and scaling parts. Uses high-quality PLA and Premium 1.75mm ABS filament for 3D printing.

- Built-in HEPA filter removes microfine particles
- Fully-automated platform leveling & height sensing
- Ultra-fine 100-micron print resolution
- One button filament color changing
- Smart support material automatically created by software
- Easy filament spool loading
- Fully-enclosed system
- Mfr.'s 1-yr. limited warranty

Build Platform 10"W x 8"D x 8"H.

Size 19.1"W x 20.5"D x 19.5"H. Weight 55 lbs.

**Includes** USB cable, tool kit & 1 spool of natural/white premium ABS filament.

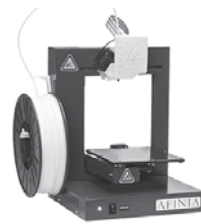
**Please visit our web site for additional information.**

Stk.	Mfr.	Price
<b>190320</b>	25169	<b>\$1,899.00</b>

### Afinia H800 Extended Warranty

**Afinia** All Afinia H800 Printers include a 1-yr. mfr.'s warranty. The 1-yr. Extended Warranty, extends the life of your machine, trouble free, by covering it for unexpected parts and labor for an additional year. Warranty must be purchased within 30 days of printer shipment.

Stk.	Mfr.	Price
<b>190321</b>	25176	<b>\$399.00</b>



### Afinia H480 3D Printer

**Afinia** Prototype a part or model that is up to 5" cubed in dimensions. The output is accurate to within .15 mm and has 30% of the strength of injection molded parts.

- Easy out-of-box setup & use
- Simple-to-install 3D software for PC & Mac
- Uses ABS plastic filament
- 1-yr. mfr.'s warranty

Build volume 5.5"W x 5.5"D x 5.3"H. Size 9.64"W x 10.23"D x 13.78"H.

**Includes** auto-leveling platform, calibration tool & cable, USB cable, 1 spool natural ABS filament, spatula, utility knife w/6 blades, snippers, allen wrench w/spare screws, extruder wrench, 3 platform perforated boards, filament feeder tube, tweezers & gloves.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>190302</b>	24532	Printer	<b>\$1,299.00</b>

### Afinia H480 Extended Warranty

**Afinia** All Afinia H480 Printers include a 1-yr. mfr.'s warranty. The 1-yr. Extended Warranty, extends the life of your machine, trouble free, by covering it for unexpected parts and labor for an additional year. Warranty must be purchased within 30 days of printer shipment.

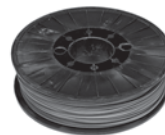
Stk.	Mfr.	Price
<b>190301</b>	22152	<b>\$199.00</b>



### Afinia Replacement Nozzle

**Afinia** Replacement nozzle for Afinia H-series 3D Printer models H479 and H480.

Stk.	Mfr.	Price
<b>190315</b>	22299	<b>\$32.40</b>



### Afinia 1.75mm ABS Premium Filament

**Afinia** Premium filament certified for use in Afinia H-Series and compatible printers. Supports and raft break easily away from the model leaving a fine finish with high dimensional tolerances.

Filament dia. 1.75m +/- 0.10mm.

#### 1.1 lb. Spool (500g)

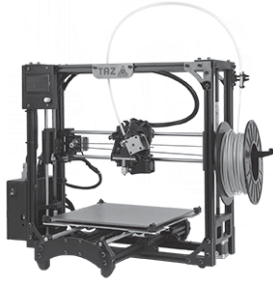
Stk.	Mfr.	Color	Price
<b>190343</b>	25659	Blue	<b>\$39.20</b>
<b>190345</b>	25673	Green	<b>\$39.20</b>
<b>190342</b>	25652	Red	<b>\$39.20</b>
<b>190344</b>	25666	Yellow	<b>\$39.20</b>
<b>190340</b>	25638	White	<b>\$39.20</b>
<b>190341</b>	25645	Black	<b>\$39.20</b>

#### 1.5 lb. Spool (700g)

Stk.	Mfr.	Color	Price
<b>190306</b>	21991	Blue	<b>\$50.40</b>
<b>190308</b>	22005	Green	<b>\$50.40</b>
<b>190305</b>	21984	Red	<b>\$50.40</b>
<b>190307</b>	21998	Yellow	<b>\$50.40</b>
<b>190303</b>	21354	White	<b>\$50.40</b>
<b>190304</b>	21977	Black	<b>\$50.40</b>

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3D Printer Kits available on-line!  
www.midwesttechnology.com



**LulzBot TAZ 5**

**LulzBot** A versatile, high performance desktop 3D printer that respects your freedom to create. With optimized software and firmware, the robust TAZ allows you to repeat projects time and time again.

With the all metal hot end, you can take advantage of the cutting edge market for new materials, from HIPS, PLA, and ABS, to wood-, metal- and stone-like! The PEI

print surface allows easy, low maintenance 3D printing so you don't have to worry about using tape, adhesives, or solvents to help objects stick to the print bed.

- Free software & open source hardware
- Controllable heat bed
- Tetherless printing through SD card w/multi-functional LCD controller
- Optional dual extruder mount (*sold separately*) prints 2 different colors or 2 different materials at once
- Mfr.'s 30-day money back guarantee, plus 1-yr. warranty & support
- Arrives pre-assembled & calibrated

Print area 11.7" x 10.8" x 9.8". Print volume 20,500cm<sup>3</sup>. Filament dia. 3mm. Max. operating temp. (*Tool Head*), 300°C. (*Heated Bed*), 120°C. Size 26.8" x 20.5" x 20.3". Weight: 24.25 lbs.

**Includes** Hexagon Hot End Tool Head w/.35mm nozzle, 24V power supply, filament feed tube, 9-piece tool kit w/bag, quick setup guide, manual & Slic3r software manual.

**3mm Filament sold separately.**

Stk.	Mfr.	Price
<b>510701</b>	KT-PR0017NA	<b>\$2,200.00</b>



**TAZ Dual Extruder Head**

**LulzBot** Print in 2 colors of the same material, or take advantage of multi-material 3D printing. Print more complex objects with support structures. Compatible with PLA, ABS, HIPS, PVA, Laywood & more. Features 2 standard extruders on a single carriage. Each extruder can heat up to 240° Celsius.

3mm dia. filament. .35mm nozzle.

**Includes** filament spool holder & components, cable zip ties, extruder head power cable & filament feed tube.

Stk.	Mfr.	Price
<b>510720</b>	KT-CP0079	<b>\$495.00</b>

3D Printer Kits available on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*



**LulzBot Mini 3D Printer**

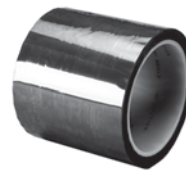
**LulzBot** The LulzBot Mini is a high-performance desktop 3D printer that's perfect for home users, makers, designers, engineers, architects, and anyone looking for an easy-to-use desktop 3D printer. The LulzBot Mini features self-leveling, self-cleaning, an easy carry handle, free and open source software, and a low maintenance PEI print surface allow you to focus on making and doing, while your 3D printer does the work.

- Free software & open source hardware that respects user freedom
  - Supports ABS, PLA, HIPS, PVA, Polyester, PETT, Polycarbonate, Nylon, PETG, UV, PCTPE, PC-ABS, wood, bronze & copper filled filaments
  - Open, non-proprietary filament format so you can stay on the cutting edge & save money on materials
  - Cura LulzBot Edition software comes standard. Other compatible software includes OctoPrint, BotQueue, Slic3r, Prinrun, MatterControl & many more
  - Mfr.'s 30-day money back guarantee, plus 1-yr. warranty & support
- Print area 6" x 6" x 6.2". Print volume 3,650 cm<sup>3</sup>. Filament dia. 3mm. Max. operating temp. (*Tool Head*), 300°C. (*Heated Bed*), 120°C. Size 17.1" x 13.4" x 15.2". Weight: 18.85 lbs.

**Includes** Hexagon Hot End, quick start guide, LulzBot mini reference poster, 5 replacement wiper pads, 2 mm Allen wrench, tweezers, dental pick, flathead bristle brush, part removal knife (*clam knife*), USB & power cable (*tethered use w/USB cable connected is required to operate this machine*) & USB drive w/source files.

**3mm Filament sold separately.**

Stk.	Mfr.	Price
<b>510710</b>	KT-PR0035	<b>\$1,350.00</b>



**Polyimide Film Kapton Tape**

**3M** 2.7 mil. polyimide film with silicone adhesive provides a superior build platform solution for your 3D printer. Designed for high temperature applications (-100° to 500°F). Amber color.

Stk.	Mfr.	Size	Price
<b>590237</b>	5413	2" x 36 yd.	<b>\$131.00</b>

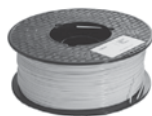


**Polyester Tape**

**3M** An excellent solution for your 3D printer build platform. Durable, long lasting 3.2 mil tape with 2 mil polyester backing and 1.2 mil silicone adhesive. Works up to 400°F. Dark green.

Stk.	Mfr.	Size	Price
<b>590238</b>	8992	2" x 72 yds.	<b>\$23.60</b>

Please visit  
[midwesttechnology.com](http://midwesttechnology.com)  
 for the complete specifications  
 of the products listed on this page.



### ABS Filament

ABS, or Acrylonitrile Butadiene Styrene, is among the most popular 3D printing materials in the world because it is easy to print and strong. ABS is a durable plastic that can be used for making functional / end use 3D printed parts or prototyping. ABS printed parts can be sanded or smoothed using an expert technique with acetone.

Advanced users have found that visible layer height on ABS-printed items can be significantly reduced with an acetone vapor bath. This is a process in which the ABS print is exposed to acetone vapor for a period of time. This technique allows users to have smooth and glossy ABS parts. The acetone vapor-treated parts may be strengthened when the printed layers together bind together.

#### 1.75mm ABS Filament

**Toner Plastics** Works with Afinia H480, Replicator 1 & Replicator 2X.

Filament dia. 1.75 mm. Spool size 2.2 lbs. (1 kg).

**Does not work w/Replicator 2.**

Stk.	Mfr.	Color	Price
<b>558213</b>	MW-ABSPKI	4-pack. Dark Blue, Grape, Red, Yellow	<b>\$169.00</b>
<b>512827</b>	87387	Dark Blue	<b>\$43.30</b>
<b>512843</b>	87441	Light Green	<b>\$43.30</b>
<b>512823</b>	87369	Neon Orange	<b>\$43.30</b>
<b>512834</b>	87493	Grape	<b>\$43.30</b>
<b>512820</b>	87388	Red	<b>\$43.30</b>
<b>512825</b>	87385	Yellow	<b>\$43.30</b>
<b>512815</b>	87361	Natural	<b>\$43.30</b>
<b>512816</b>	87380	White	<b>\$43.30</b>
<b>512822</b>	87453	Brown	<b>\$43.30</b>
<b>512817</b>	87389	Black	<b>\$43.30</b>
<b>512818</b>	87386	Silver	<b>\$43.30</b>

#### 3mm ABS Filament

**Toner Plastics** For use with LulzBot TAZ printers.

Filament dia. 3mm. Spool size 2.2 lbs (1 kg).

Stk.	Mfr.	Color	Price
<b>512913</b>	87468	Dark Blue	<b>\$43.30</b>
<b>512908</b>	87442	Light Green	<b>\$43.30</b>
<b>512909</b>	87448	Red	<b>\$43.30</b>
<b>512911</b>	87450	Yellow	<b>\$43.30</b>
<b>512901</b>	87642	Natural	<b>\$43.30</b>
<b>512910</b>	87449	White	<b>\$43.30</b>
<b>512902</b>	87367	Black	<b>\$43.30</b>



### 3D Printer Tool Kit

#### Midwest

**Includes** 15-pc. feeler gauge set, 2-pc. cleaning brush set, X-Acto standard knife set, 6-pc. mini pliers set, tweezers, nut driver, craft spatula, Phillips #1 screwdriver, flexible putty knife & 13" plastic tool box.

Stk.	Mfr.	Price
<b>558210</b>	MW-MKTP	<b>\$109.00</b>



### PLA Filament

Polyactic Acid (PLA), is a thermoplastic aliphatic polyester also known as Polylactide. Considered to be a great starter filament, PLA is relatively easy to print and extrudes at a low temperature (180°C). PLA is one of the most commonly used filaments in 3D printing due to its affordability and ease of use.

PLA is specifically easier to use because it doesn't warp like other materials can, making it ideal for printing large items. Plus PLA is a plant-based renewable source, and many believe it emits a sweet and pleasant odor while printing. As PLA has minimal warping and shrinkage, PLA is ideal for making objects that need flat surfaces and hard angles, or objects that will fit together. PLA is more brittle than ABS, but is still considered very strong and is perfect for most household applications.

#### 1.75mm PLA Filament

**Toner Plastics** Works w/Replicator 2 and earlier models.

Filament dia. 1.75 mm. Spool size 2.2 lbs. (1 kg).

Stk.	Mfr.	Color	Price
<b>558214</b>	MW-PLAPKI	4-pack. Dark Blue, Grape, Red, Yellow	<b>\$169.00</b>
<b>512838</b>	87402	Dark Blue	<b>\$43.30</b>
<b>512812</b>	87395	Dark Green	<b>\$43.30</b>
<b>512813</b>	87430	Neon Orange	<b>\$43.30</b>
<b>512835</b>	87401	Grape	<b>\$43.30</b>
<b>512833</b>	87368	Red	<b>\$43.30</b>
<b>512810</b>	87398	Yellow	<b>\$43.30</b>
<b>512842</b>	87376	Neon Yellow	<b>\$43.30</b>
<b>512832</b>	87359	Natural	<b>\$43.30</b>
<b>512814</b>	87374	White	<b>\$43.30</b>
<b>512837</b>	87394	Brown	<b>\$43.30</b>
<b>512836</b>	87375	Black	<b>\$43.30</b>
<b>512841</b>	87396	Silver	<b>\$43.30</b>

#### 3mm PLA Filament

**Toner Plastics** For use with LulzBot TAZ printers.

Filament dia. 3mm. Spool size 2.2 lbs (1 kg).

Stk.	Mfr.	Color	Price
<b>512912</b>	87463	Dark Blue	<b>\$43.30</b>
<b>512904</b>	87426	Light Green	<b>\$43.30</b>
<b>512905</b>	87427	Red	<b>\$43.30</b>
<b>512907</b>	87429	Yellow	<b>\$43.30</b>
<b>512900</b>	87360	Natural	<b>\$43.30</b>
<b>512906</b>	87428	White	<b>\$43.30</b>
<b>512903</b>	87425	Black	<b>\$43.30</b>



### 3D Printer Storage Cabinet

**Hann** Master-keyed locking door cabinet features extra-heavy maple full-face framing with mortise and tenon joints (glued & stapled) and birch paneling. Holds 2 MakerBots & filament. Earth-friendly, UV clear natural finish. Shipped set-up.

- Upper cabinet includes 1 fixed & 1 adjustable shelf
- Lower cabinet includes 1 adjustable shelf

**Includes** filament feeder system & locks for doors.

Stk.	Mfr.	Size	Price
<b>439460</b>	TS-MKRBT	48"W x 22"H x 84"H	<b>\$1,892.00</b>

Installation Available  
for Equipment & Furniture.  
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### Replicator™ Z18

**MakerBot** The ideal 3D printer for extra-large prototypes, models and products. Create professional-quality, high-resolution prototypes and complex models. Optimized for large spool PLA filament.

- Print multiple things at once
- Heated chamber
- ABS build platform
- Cloud connected
- Choose settings that range from fast draft to finer resolution
- On-board camera w/mobile control
- Smart Extruder
- Supports .stl, .thing, .obj & MakerBot
- Supports Windows (7+), Linux (Ubuntu, Fedora), Mac OS X (10.7+)

Build volume 12"L x 12"W x 18"H.

Size 19.4"W x 22.2"D x 32.6"H. Weight 90 lbs.

**Includes** large spool Natural PLA filament, build plate tape, USB & free software download.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>512791</b>	MP05950	Printer	<b>\$6,498.00</b>

#### Service Plan

Stk.	Mfr.	Item	Price
<b>512792</b>	MP06167	1-Year	<b>\$750.00</b>
<b>512846</b>	MP06586	2-Year	<b>\$1,539.00</b>
<b>512849</b>	MP06587	3-Year	<b>\$2,365.00</b>

**Mobile Cart** Provides convenient access to your 3D printer & filament.

Stk.	Mfr.	Item	Price
<b>512786</b>	MP06134		<b>\$1,250.00</b>

**Filament Case** Feed filament without worrying about running out of filament, changing filament or interrupting printing. Protects & holds 1 XXL or 2 XL spools. Filament sold separately.

Stk.	Mfr.	Item	Price
<b>512785</b>	MP06133		<b>\$225.00</b>

**XXL Spool True Color PLA Filament** 1.75 mm dia. 10 lb. spool. Requires filament case.

Stk.	Mfr.	Item	Price
<b>512886</b>	MP06237	Black	<b>\$225.00</b>
<b>512887</b>	MP06238	White	<b>\$225.00</b>
<b>512888</b>	MP06239	Warm Gray	<b>\$225.00</b>
<b>512889</b>	MP06228	Cool Gray	<b>\$225.00</b>



### MakerBot Smart Extruder

**MakerBot** Swappable extruder minimizes downtime and prepares you to quickly adapt your 3D printer to future innovations (like new filament materials). No special tools are needed. Powerful magnets snap it into place in seconds, letting you quickly resume printing when a replacement is needed.

Stk.	Mfr.	Item	Price
<b>512798</b>	MP06325	Fits Replicator 5th Gen & Mini	<b>\$199.00</b>
<b>512799</b>	MP06376	Fits Replicator Z18	<b>\$209.00</b>



### Replicator™ 5th Generation

**MakerBot** Speed, reliability, quality and connectivity for all your 3D printing needs. Optimized for large spool PLA Filament.

- Glass build platform
- Assisted leveling
- 3.5", full color user interface display
- Smart Extruder detects filament absence, pauses print & sends notifications
- On-board camera for print monitoring & easy sharing
- Mobile Control w/MakerBot Mobile app
- Store, organize & access 3D design files in cloud-enabled library
- Supports .stl, .thing, .obj & makerbot
- Supports Windows (7+), Linux (Ubuntu, Fedora), Mac OS X (10.7+)

Build volume 9.9"L x 7.8"W x 5.9"H.

Size 20.8"L x 17.4"W x 16.2"H. Weight 35 lbs.

**Includes** large spool natural PLA, 5 sheets blue tape, USB cable & free software download.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>512793</b>	MP05825	Printer	<b>\$2,899.00</b>

#### Service Plan

Stk.	Mfr.	Item	Price
<b>512794</b>	MP06165	1-Year	<b>\$350.00</b>
<b>512845</b>	MP06584	2-Year	<b>\$720.00</b>
<b>512848</b>	MP06585	3-Year	<b>\$1,105.00</b>



### Replicator™ Mini

**MakerBot** Unleash creativity with an educational, entertaining and useful 3D printer. Optimized for small spool PLA filament.

- Reliable, durable, easy-to-use
- Smart Extruder
- On-board camera
- Cloud Connected
- Fast & easy One Touch™ 3D printing
- Experiment w/a wide range of forms, colors & textures
- Print, manage & share 3D creations w/free MakerBot software for PC or Mac
- Supports .stl, .thing, .obj & MakerBot
- Supports Windows (7+), Linux (Ubuntu, Fedora), Mac OS X (10.7+)

Build volume 3.9"L x 3.9"W x 4.9"H.

Size 11.6"W x 12.2"D x 15"H. Weight 18 lbs.

**Includes** small spool of natural PLA filament, USB cable & free software download.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>512851</b>	MP05925	Printer	<b>\$1,375.00</b>

#### Service Plan

Stk.	Mfr.	Item	Price
<b>512850</b>	MP06166	1-Year	<b>\$150.00</b>
<b>512844</b>	MP06582	2-Year	<b>\$310.00</b>
<b>512847</b>	MP06583	3-Year	<b>\$475.00</b>

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3D Printer Kits available on-line!  
www.midwesttechnology.com



**MakerBot Replicator™ 2X**

**MakerBot** Full-featured desktop 3D printer for exploring the frontiers of 3D printing. Equipped with 2 extruders and optimized for ABS filament, Replicator™ 2X is prepared for future developments in 3D printing. 100-micron layer-height resolution. Optimized for ABS filament.

- Aluminum build platform
- Completely re-engineered easy-load extruder
- 6-sided enclosure for stabilized ABS cooling
- Supports .stl, .thing & .obj
- Supports Windows (7+), Ubuntu Linux (12.04+), Mac OS X (10.6+)

Build volume 9.7"L x 6"W x 6.1"H.  
Size 19.1"L x 12.8"W x 20.9"H. Weight 27.8 lbs.

**Includes** 1 lb. spool of natural ABS filament, USB, SD card & free software download.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>512804</b>	MP05927	Dual Extruder	<b>\$2,499.00</b>
<b>512806</b>	MP05597	Service Plan	<b>\$500.00</b>

**MakerBot .4mm Nozzle**

**MakerBot** Replacement nozzle for Replicator 2 and Replicator 2X printers.

Stk.	Mfr.	Price
<b>512790</b>	MK8	<b>\$14.40</b>

**Digitizer Desktop 3D Scanner**



**MakerBot** Quickly and easily turn physical objects into 3D models to modify, improve, share and 3D print. With 2 clicks, the simple yet sophisticated software creates 3D models within 12 minutes.

Works seamlessly with MakerBot Replicator™ 3D Printers or the standard design

files may be used with other 3D printers. No design or 3D modeling skills are required to get started.

Maximum weight on turntable 6.6 lbs. Scan volume 8" x 8".  
Size 18.7"L x 16.2"W x 8"H. Weight 4.7 lbs.

**Includes** software.

**Please visit our website for additional information.**

Stk.	Mfr.	Item	Price
<b>512807</b>	MP03955	Scanner	<b>\$799.00</b>
<b>512808</b>	MP05595	Service Plan	<b>\$150.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*



**MakerBot Small Spool PLA Filament**

**MakerBot** Compatible with the following MakerBot 3D Printers: Replicator Mini, Replicator 5th Generation, Replicator Z18, Replicator 2 & earlier models.

Filament dia 1.75 mm. Spool size 0.5 lbs. (.22 kg).

**Translucent**

Stk.	Mfr.	Colors	Price
<b>512881</b>	MP05759	Blue	<b>\$39.20</b>
<b>512880</b>	MP05761	Green	<b>\$39.20</b>
<b>512884</b>	MP05765	Orange	<b>\$39.20</b>
<b>512885</b>	MP05769	Purple	<b>\$39.20</b>
<b>512882</b>	MP05763	Red	<b>\$39.20</b>
<b>512883</b>	MP05767	Yellow	<b>\$39.20</b>
<b>512879</b>	MP05792	Natural	<b>\$23.50</b>

**True Color**

Stk.	Mfr.	Colors	Price
<b>512871</b>	MP05796	Blue	<b>\$28.20</b>
<b>512877</b>	MP05951	Green	<b>\$28.20</b>
<b>512872</b>	MP05787	Orange	<b>\$28.20</b>
<b>512873</b>	MP05788	Purple	<b>\$28.20</b>
<b>512874</b>	MP05789	Red	<b>\$28.20</b>
<b>512876</b>	MP05791	Yellow	<b>\$28.20</b>
<b>512875</b>	MP05790	White	<b>\$28.20</b>
<b>512878</b>	MP05793	Warm Gray	<b>\$28.20</b>
<b>512870</b>	MP05823	Black	<b>\$28.20</b>

**MakerBot Large Spool PLA Filament**

**MakerBot** Compatible with the following MakerBot 3D Printers: Replicator 5th Generation, Replicator Z18, Replicator 2 & earlier models.

Filament dia. 1.75 mm. Spool size 2 lbs. (0.9 kg).

**True Color**

Stk.	Mfr.	Color	Price
<b>512859</b>	MP05776	Blue	<b>\$62.00</b>
<b>512867</b>	MP05952	Green	<b>\$62.00</b>
<b>512860</b>	MP05777	Orange	<b>\$62.00</b>
<b>512861</b>	MP05778	Purple	<b>\$62.00</b>
<b>512862</b>	MP05779	Red	<b>\$62.00</b>
<b>512864</b>	MP05781	Yellow	<b>\$62.00</b>
<b>512863</b>	MP05780	White	<b>\$62.00</b>
<b>512865</b>	MP05783	Warm Gray	<b>\$62.00</b>
<b>512858</b>	MP05775	Black	<b>\$62.00</b>

**Translucent**

Stk.	Mfr.	Color	Price
<b>512852</b>	MP05758	Blue	<b>\$75.80</b>
<b>512853</b>	MP05760	Green	<b>\$75.80</b>
<b>512854</b>	MP05764	Orange	<b>\$75.80</b>
<b>512855</b>	MP05768	Purple	<b>\$75.80</b>
<b>512856</b>	MP05762	Red	<b>\$75.80</b>
<b>512857</b>	MP05766	Yellow	<b>\$75.80</b>
<b>512866</b>	MP05612	Natural	<b>\$53.60</b>

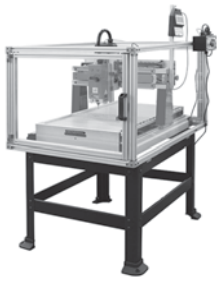
**MakerBot Dissolvable Filament**

**MakerBot** Designed for use as solid infill material with MakerBot ABS filament. Easily dissolves in limonene bath. Compatible with Replicator 2X.

Filament dia. 1.75 mm. Spool size 2.2 lbs. (1 kg).

Stk.	Mfr.	Price
<b>512809</b>	MP05417	<b>\$89.20</b>

## CNC MACHINES



### 15" x 20" i-Carver

**General CNC** Easy-to-learn programming software and pendant-style hand-held operating controller eliminate the need for an external PC. Carves furniture, woodwork, doors and cabinets, plus 2D and 3D signage.

- Easy start-up procedure & unrivaled technical support
- Low backlash stepper motors, for excellent performance & low maintenance

- Rugged, high performance spindle included, w/automatic on/off control
- Extruded aluminum table, w/hold down clamps
- 1-yr. mfr.'s limited warranty
- CSA Approved

Model 40-915X. 110V, 6 Amps, 21,000 rpm.  
Cutting capacity: X-axis 15", Y-axis 20", Z-axis 4".  
Cutting speed to 118 in./min. Positional accuracy 0.004".  
Size 32-3/4"W x 42-3/4"L x 27-1/2"H.

**Includes** software, controller, tool kit, starter cutting tools, 1/4" collet, stand & Lexan enclosure.

Stk.	Mfr.	Item	Price
420865	CNC201	10-seat License	<b>\$7,464.00</b>
420866	CNC202	10-seat License, Training & Set-up	<b>\$8,980.00</b>
420867	CNC203	25-seat License, Training & Set-up	<b>\$9,938.00</b>

### 8-piece CNC Tooling Kit

#### General CNC

**Includes** 1/4" end mill for clearing, 1/8" & 1/4" down spiral end mill for through-cutting, 1/32" conical V-bit, 1/4" & 1/8" ball nose end mill for 3D carving, plus 90° & 60° V-bits for carving.

Stk.	Mfr.	Price
420756	40-928	<b>\$342.00</b>

### 1/8" End Mill Cutter

**General CNC** For 40-913 & 40-915X.

Stk.	Mfr.	Price
420761	40-916	<b>\$71.50</b>

### CNC Mill & Lathe Machinable Wax

**Flexbar** Self-lubricating, nonabrasive machinable wax will not fuse when machined. Sharp edges can be maintained, accurate threads can be cut and thin wall sections maintained with the quality of surface finish. 50-55 shore "D" scale hardness. 92 specific gravity. 575°F flash point. 226°F softening point. 7% volumetric shrinkage @ room temperature. Permanent, oil base, blue dye coloring.

Stk.	Mfr.	Shape	Size	Price
408800	15160	Rectangular Block	3" x 7" x 1.5"	<b>\$26.40</b>
408801	15161	Rectangular Block	3" x 7" x 3"	<b>\$45.10</b>
408808	15170	Cylinder	1.5" x 12"	<b>\$23.80</b>
408804	15165	Cylinder	2" x 12"	<b>\$31.50</b>
408805	15166	Cylinder	3" x 12"	<b>\$60.40</b>



## CNC Plasma Cutting Systems

**Torchmate** Designed to be versatile, mobile and easy to use the Growth Series™ brings CNC Plasma Cutting, CNC Routing and CNC Plate Marking to you in one tight little package. The Growth Series™ encompasses 3 table sizes, the 2x2, 2x4 and 4x4 along water tables.

The Growth Series™ can be used to design and cut everything from intricate

and professional-quality metal parts, to chassis or suspension components, to signs and lettering. When combined with the water table cutting bed virtually all dust and smoke is contained.

Features solid steel construction, precision components and industry-standard motion controls that allow this small package to produce parts identical to large industrial CNC machines. Free unlimited phone & email tech support via mfr.'s trained, dedicated & professional support staff.

**Includes** thermal dynamic plasma cutter, table top CNC system, arc voltage height control w/magnetic breakaway (*machine torch required*), water-bed for fume control & material support table, plug-n-play USB electronics box (*all cabling included*), CAD/CAM software includes nesting, scanning & all tool path & kerf compensation, driver software accepts all DXF files & straight G-code & 25' CNC interface cable.

**Systems shown are for plasma cutting only. Please call for pricing on routing, drilling, engraving & milling.**

**Material support slats not included.**

**Please visit our website for more information.**

### 2x2 Plasma Pro System

Stk.	Mfr.	Price
558190	MW-TORCH2X2	<b>Call for Price</b>

**2x4 Plasma Pro System Includes** above, plus Protect Compose Module, unlimited student CAD/CAM educational license w/1 master teacher license.

Stk.	Mfr.	Price
558191	MW-TORCH2X4	<b>Call for Price</b>

**4x4 Plasma Pro System Includes** above, plus Protect Compose Module, unlimited student CAD/CAM educational license w/1 master teacher license.

Stk.	Mfr.	Price
558192	MW-TORCH4X4	<b>Call for Price</b>

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## LASER CUTTERS



### CO2 Hobby Laser

**Full Spectrum** Entry level desktop laser engraver and cutter designed for hobbyists capable of cutting/engraving many materials such as paper, 1/4" acrylic and 1/4" wood as well as marking anodized aluminum and Thermank treated metals.

Engrave from any Windows application that can print to a standard printer including CorelDraw, Adobe Illustrator, AutoCAD, Inkscape and even MS Word and MS Paint.

- Focusing mechanism allows for fully removable Z floor (unlimited material size)
- Air assist connection to blow away smoke at the laser head while laser is cutting
- Up to 1000 dpi resolution & 0.001" repeatability
- Includes 2" lens for cutting & engraving (other options available)
- SD slot for storage up to 32 GB, no PC required
- 1-yr. mfr.'s limited warranty on parts/labor (excludes consumable items)

Engraving area 20" x 12". Work area 20" x 12".  
Size 31.5"L x 20"W x 8.25"H. Weight 60 lbs.

**Includes** dual processor ARM + DSP Retina Engrave 3D Ethernet, USB, Laser Direct Print software, honeycomb table, water pump, 4" exhaust port (fan sold separately) & air compressor.

**Please visit our website for additional information.**

Stk.	Mfr.	Price
<b>416150</b>	NEWHOBBY	<b>\$3,499.00</b>

**Laser Rotary Attachment** Engrave all the way around round objects like bottles, glasses, poles, etc

Stk.	Mfr.	Price
<b>416154</b>	5THGENROTARY	<b>\$650.00</b>

**Exhaust Fan** Exhaust fan pulls smoke out of laser cutter. A 4" dryer vent (not included) mounted in the wall is recommended for proper venting.

Stk.	Mfr.	Price
<b>416153</b>	LEF	<b>\$200.00</b>

**Purex Fume Buster** Small carbon / HEPA air filter / purifier removes smells from cutting woods/paper (not recommended for plastic). **Includes** particulate pre-filter, a HEPA filter & a bed of activated carbon pellets.

Stk.	Mfr.	Price
<b>416151</b>	PFB	<b>\$1,755.00</b>

**Bofa AD350 Fume Extractor** Fume extraction and filtration system has been designed to provide a cost-effective solution for light duty applications. **Includes** pre-filter, chemical filter & HEPA filter.

Stk.	Mfr.	Price
<b>416155</b>	L0542A	<b>\$2,210.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

## CONSTRUCTION ZONE LAB MODULES

**Questech** Everything students need to successfully & safely acquire actual construction skills are included w/each module tools, equipment, curriculum. Even math & science teachers are scheduling time in Construction Zone Labs to give students examples of how these disciplines are used in daily life.

**Supported by the Nat'l. Center for Construction Education & Research**, students rotate through the modules, acquiring a real taste of what each discipline offers, which may lead them to pursue additional educational opportunities in the high-paying & much-needed careers of the construction trade.

- Self-contained locking modules in a cabinet or in a stand-up frame
- Triple stimulus method (visual, auditory & tactile) allows students to see, hear & do for best comprehension & retention
- Safe work practices are used & safety equipment is provided
- Academic integration achieved by real-life application of concepts
- Easy-to-use manual lab management system monitors students' progress through 10-day rotation
- Career component provides information about training, career outlook & projected earnings
- Training at your site or at Questech
- Actual job, hands-on activities
- Outcome-based curriculum
- For grades 8-12
- Professional full-sized tools
- Audio tapes aid in comprehension
- Quick visual tool inventory

### Building from Blueprints



**Questech** Students construct a corner section of a model house, including window and door framing, joist layout, sub-flooring and truss construction. Working from a set of blueprints, students will gain experience in reading and following plans and instructions.

- Measure & cut studs, sole plate & cripples
- Construct header & sill joist
- Construct floor assembly & truss

**Includes** 5' locking desk, miter box, miter saw, razor blade handle, cutting/assembly board, floor pattern set, gusset pattern set, workstation, corner wall & truss kit.

Stk.	Mfr.	Grade Level	Price
<b>684094</b>	CZ036	8-12	<b>\$4,235.00</b>

### Residential Wiring



**Questech** Students learn about basic electricity and how it travels around the home, then route wire and hook up electrical fixtures.

- Run wire from service panel to electrical components
- Wire a 3-way circuit
- Wire a doorbell circuit

**Includes** 5' locking desk, safety glasses, 3/16, 1/8 & #2 Phillips screwdrivers, tape measure, wire strippers, needle nose & lines pliers, 12V test light, cable ripper, 110V-12V transformer, mounted electrical boxes, 1 roll ea. 14-2 & 14-3 wires, light bulbs, wire nuts, screws, outlet switches & cover plates.

Stk.	Mfr.	Grade Level	Price
<b>684096</b>	CZ086	8-12	<b>\$4,542.00</b>



**Residential Plumbing**

**Questech** Students will learn about residential plumbing components and complete actual plumbing hookups, including supply lines, shower head and gas line.

- Install tub drain stopper & drain cover
- Complete hookups of supply lines, pipes & hoses
- Install shower head & spigot

**Includes** 5' locking desk, 8" wrench, 3/16 & #2 Phillips screwdrivers, pipe wrench, tube cutter, level, 2-handle kitchen faucet, double sink P trap, sink basket/strainers, 2-handle shower valve kit, hose bib, tub drain kit, 24" flex supply lines, 90° chrome shut offs, CPVC 1/4 turn x 1/2" shut offs, CPVC 1/2" std. shut off, 1/2 black pipe 4" nipple, 1/2 black pipe street 90°, 1/2 shut off (lever style), 1/2 black pipe floor flange, 1/4 flex gas line, channel lock, 10' x 12" CPVC pipe, waste tees, PVC 90°, clean out adpt. 1-1/2" PVC, Trap adpt. PVC 1-1/2", bathroom faucet, clean-out cap & work panel.

Stk.	Mfr.	Grade Level	Price
<b>684095</b>	CZ046	8-12	<b>\$4,950.00</b>



**Construction Measurement**

**Questech** Students learn to read standard, metric and tape rules and more.

- Use chalk line to snap straight line between points
- Use framing square to determine truss pitch
- Set up & adjust sight level, tripod & grade stick

**Includes** stand-up workstation w/locking tool cabinet, safety glasses, string line, line blocks, levels, master ruler, protractor, tape measure, folding ruler, carpenter square, marking gauge, sliding T-bevel & chalk line.

Stk.	Mfr.	Grade Level	Price
<b>684093</b>	CZ026	8-12	<b>\$4,032.00</b>



**Cement Mason**

**Questech** Students mix concrete, pour and finish it to create a decorative stepping stone.

- Mix, pour & finish concrete
- Care for concrete tools

**Includes** 5' locking desk, screed forms, trowel, measuring cups, shall shovel, buckets, forming pan & float.

Stk.	Mfr.	Grade Level	Price
<b>684072</b>	CZ012	8-12	<b>\$4,950.00</b>



**AC & Refrigeration**

**Questech** Students test and service an AC unit, perform electrical, mechanical and maintenance tasks. They'll also learn about the installation, maintenance and operation of home AC and refrigeration systems.

Covers principles of gas expansion and compression, heat transfer, evaporation, condensation, thermostatic control, motors and electrical circuitry. Students will calculate cooling requirements and perform electrical, mechanical and maintenance tasks in a job simulation.

- Test system pressures & temperature
- Calculate cooling load for a given living space

**Includes** stand-up workstation w/locking tool cabinet, test meter (multimeter), window air conditioning unit mounted on workstation, filter, tape measure, fin comb, safety glasses, apron, test leads, Phillips screwdriver, parts tray, face panel (decorative panel).

Stk.	Mfr.	Grade Level	Price
<b>684088</b>	CZ056	8-12	<b>\$6,073.00</b>



**Bricklayer**

**Questech** Students mix mortar and lay a course of brick. They will learn about spacing, vertical and horizontal alignment, cutting, shaping and notching to construct and repair brickwork. They'll also disassemble a brick line.

- Level a line
- Cleanup techniques
- Rake & strike the joint

**Includes** stand-up workstation w/locking tool cabinet, story pole slide rod, story pole slide, masonry brush, mason level, cement hoe, joint trowel, brick line block, brick ties, joint raker (small wheel), shovel, bucket with lid, mason trowel & mortar box.

Stk.	Mfr.	Grade Level	Price
<b>684073</b>	CZ013	8-12	<b>\$4,235.00</b>



**Cabinetmaker**

**Questech** Students use cabinetmaking hand tools, a router, miter box and saw to cut and shape wood. They'll cut, shape and assemble parts of a wood product, perform basic cabinetmaking operations to construct a paper tray.

- Read & interpret an assembly drawing
- Apply Danish oil finish
- Measure, cut & plane wood
- Mill joints using router table

**Includes** 5' locking desk, backsaw, woodworking vise, can opener, chisel, cutting board, hammer, miter box, metric/standard tape measure, rubber gloves, router table & router, putty knife, miter gauge w/clamps, nail set, sanding blocks, smooth plane & shop apron.

Stk.	Mfr.	Grade Level	Price
<b>684092</b>	CZ076	8-12	<b>\$4,746.00</b>



**Carpenter**

**Questech** Students construct a wall section, layout, erect, install and repair wooden structures and fixtures using hand tools. They learn framing, estimating and blueprint reading.

- Measure & cut studs & fire stops
- Layout & nail parts
- Tilt up & place wall
- Check vertical level of wall

**Includes** stand-up workstation w/locking tool cabinet, handsaw, crowbar, tape measure, level, hammer, framing square & carpenter's apron.

Stk.	Mfr.	Grade Level	Price
<b>684074</b>	CZ014	8-12	<b>\$4,950.00</b>



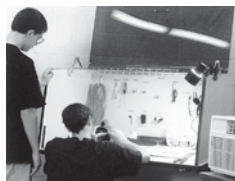
**Drywall Installer**

**Questech** Students fit and apply wall board to a wall section, apply tape and compound, sand and smooth the surface. They'll learn about lathing, surface preparation and finishing. They'll also apply plaster, stucco and more to interior and exterior surfaces.

- Measure, cut & layout drywall
- Apply joint tape & joint compound

**Includes** stand-up workstation w/locking tool cabinet, T-square, drywall hammer, 4" & 8" joint knives, utility knife, tape measure, sanding block, handy boxes, compound pan & apron.

Stk.	Mfr.	Grade Level	Price
<b>684071</b>	CZ011	8-12	<b>\$4,338.00</b>



### Electric Motor Repair

**Questech** Students learn motor disassembly, identification of parts, changing rotation direction, reassembly and changing the capacitor. They'll install, maintain and repair motors.

- Test internal circuits
- Replace motor's starting capacitor
- Complete a wiring diagram of the motor

**Includes** 5' locking desk, 1/2 HP AC motor, circuit tester, needle nose pliers, replaceable 3-prong plug, screwdriver, test receptacle, hex wrench, combination wrench, repair saddle, replacements capacitor, small AC motor & wire stripper/crimper.

Stk.	Mfr.	Grade Level	Price
<b>684080</b>	CZ031	8-12	<b>\$4,235.00</b>



### Floor Covering Installer

**Questech** Students install and replace resilient tile, linoleum, vinyl sheets, and carpeting. They'll repair subfloors, cut and fit underlayments and install carpeting using tackless strips.

**Includes** stand-up workstation w/locking tool cabinet, knee kicker, carpet trimmer, utility knife, hammer & stair tool.

Stk.	Mfr.	Grade Level	Price
<b>684083</b>	CZ051	8-12	<b>\$3,725.00</b>



### Insulation Installer

**Questech** Students calculate ratings for installation, then measure, cut and staple up fiberglass insulation. They'll also review batt, blanket, board, loose fill and other forms of insulation in homes and industry.

- Measure wall space
- Place insulation in wall
- Cut electrical outlet openings
- Figure job materials costs

**Includes** stand-up workstation w/locking tool cabinet, staple remover, dust mask, work gloves, staple gun, tape measure, straightedge, utility knife, cutting board, safety goggles & apron.

Stk.	Mfr.	Grade Level	Price
<b>684087</b>	CZ055	8-12	<b>\$3,725.00</b>



### Electrical Wiring

**Questech** Using a stud wall, students wire a general purpose circuit including a receptacle outlet box, junction box, switch box and a light. They'll also learn electrical terms, installation, maintenance and repair of electrical systems, plus cover power line transmission of electricity from its source to consumption.

- Split & strip electrical wire
- Install light switch & fixture
- Make electrical connections

**Includes** stand-up workstation w/locking tool cabinet, 12V tester, spade bit, crank-handle screwdriver, tool pouch w/belt, light fixture, cable ripper, hammer, 12V bulbs, electric drill motor, awl, needle nose pliers, duplex receptacles w/covers, switch covers, junction boxes w/covers, boxes.

Stk.	Mfr.	Grade Level	Price
<b>684070</b>	CZ008	8-12	<b>\$4,950.00</b>



### Machinist

**Questech** Students use tools and jigs to machine raw materials into finished products. They'll shape metal parts using a drill press, bending jig and drilling jig to learn accuracy and machine operation techniques. Students make dimensional computations and layout

parts. They'll make a padlock key ring from aluminum. Special drilling jig and bending fixture will be used. Apprenticeships and training are emphasized.

- Material layout
- Assembly
- Filing
- Drilling
- Sawing
- Bending
- Threading

**Includes** 5' locking desk, scratch awl, machinist vise (3-1/2"), metric/standard ruler, specially designed drilling & bending jigs, hacksaw, electric drill (3/8"), Allen wrench, 3/8" die, tap handle, adjustable wrench, 6/32" die, drill press, file card, die handle, brush, mill file (10"), combination square, 3/8" tap, 3/8", 5/16", 1/4" & #29 drill bits & automatic center punch.

Stk.	Mfr.	Grade Level	Price
<b>684075</b>	CZ018	8-12	<b>\$5,359.00</b>

### Painter



**Questech** Students prepare and paint a wall section, apply protective or decorative coating materials. They'll sand surfaces to be coated and apply paint, varnish and other finishes.

- Mix & apply paint w/brush or roller
- Apply cleanup techniques

**Includes** stand-up workstation w/locking tool cabinet, can opener, paint edger, putty knife, hammer, mixing stick, paint brush, sanding block, paint roller & plastic bottles for paint storage.

Stk.	Mfr.	Grade Level	Price
<b>684079</b>	CZ027	8-12	<b>\$4,032.00</b>



### Sheet Metal

**Questech** Students layout, fabricate, erect or install and maintain items made of steel, copper, stainless steel and aluminum. Using professional tools, they will practice laying out, cutting to size, bending and riveting of sheet metal in fabrication.

- Measure metal & cut it to shape
- Punch holes & bend metal
- Assemble pieces by riveting

**Includes** stand-up workstation w/locking tool cabinet, marking jig, pop rivet gun, aviation snips, scratch awl, ruler, center punch, tinners hammer, brake, pattern template, 6" file & hand punch.

Stk.	Mfr.	Grade Level	Price
<b>684091</b>	CZ066	8-12	<b>\$4,746.00</b>



### Plumber

**Questech** Students assemble, install and repair plumbing fixtures and pipe in a section of stud wall, then determine labor and materials cost. They'll also assemble, install and repair pipes, fittings and fixtures of heating, water and drainage systems, according to specifications and plumbing codes. Students will use plastic, copper and galvanized pipe.

- Disassemble & repair a water faucet
- Cut, thread & ream pipe
- Replace faucet washer
- Install water supply lines

**Includes** stand-up workstation w/locking tool cabinet, adjustable wrench, chain pipe vise, hose bib faucets, tape measure, pipe reamer, pipe wrench, brush, drip pan, leather gloves, pipe cutter, pipe threader, screwdriver & quenching bucket.

Stk.	Mfr.	Grade Level	Price
<b>684069</b>	CZ002	8-12	<b>\$5,972.00</b>



**Roofer**

**Questech** Students learn about roof types, equipment and materials, and then shingle a section of roof according to building codes. They'll explore a variety of tasks in roofing materials (*other than sheet metal*) to make them

waterproof including composition shingles or sheets, wood shingles and asphalt and gravel.

- Install drip metal
- Measure & cut shingles
- Shingle roof section

**Includes** stand-up workstation w/locking tool cabinet, straightedge, roofing axe, utility knife, staple gun, staple remover, nail bar, tool pouch w/belt.

Stk.	Mfr.	Grade Level	Price
<b>684089</b>	CZ057	8-12	<b>\$4,441.00</b>



**Telephone/Cable TV Installer**

**Questech** Students install, connect and test telephone and cable TV wiring and equipment. They'll experience job tasks using professional materials and methods.

- Strip, connect & run wire
- Staple wiring to a stud frame wall
- Install modular jack & mounting plate

**Includes** stand-up workstation w/locking tool cabinet, 3-ring instruction holder, side cutter pliers, test handset, needle-nose pliers, screwdriver, adjustable wire stripper, crimper, wiring block, staple gun, tool pouch, ground clamp, connecting block, modular wall jack w/wall plate, tone generator & coaxial cable wall plate.

Stk.	Mfr.	Grade Level	Price
<b>684086</b>	CZ054	8-12	<b>\$4,746.00</b>



**Landscape Design**

**Questech** Students design and draw a landscape plan, select trees, shrubs and ground cover. They'll experience completing a landscape plan for a park and play area. Following step-by-step instructions, students learn procedures of the profession.

- Fundamentals of greenhouses & nurseries, plus career information
- Activities, fundamentals & complete job-related activities

**Includes** 5' locking desk, drawing board, T-square, 30/60° triangle, 45° triangle, scale, pencil sharpener, brush, drafting tape, paper, eraser, compass, french curve & pencils.

Stk.	Mfr.	Grade Level	Price
<b>684090</b>	CZ059	8-12	<b>\$3,725.00</b>



**Tile Setter**

**Questech** Students apply tile to walls, floors and ceilings. They'll apply mastic and adhesive base, cut and arrange tile using professional tools. Students explore a variety of job tasks and learn tile application methods and skills.

- Plan design
- Mix & apply grout

**Includes** stand-up workstation w/locking tool cabinet, measuring spoon, squeegee, mastic trowel, sponge, plastic container, floor tile & mixing bowl.

Stk.	Mfr.	Grade Level	Price
<b>684076</b>	CZ021	8-12	<b>\$3,725.00</b>



**Wall Covering Installer**

**Questech** Students calculate the amount of wall covering material needed, prepare the surface and install the covering on a section of wall.

Using professional paperhanger tools, they'll explore a variety of tasks in preparing the surface to be covered, including removing old wall coverings, measuring the area to be covered, cutting a length from the roll and carefully positioning the patterns to match.

**Includes** stand-up workstation w/locking tool cabinet, ruler, plastic water tray, hammer, seam roller, smoothing brush, razor knife, sponge, plumb bob, mixing stick, bucket & wall scraper.

Stk.	Mfr.	Grade Level	Price
<b>684084</b>	CZ052	8-12	<b>\$3,725.00</b>



**Welder**

**Questech** Students employ welding processes to braze and weld metal parts according to specifications. Activities include pattern selection, cutting, bending, assembly, arrangement of holding devices, brazing, welding and torch cutting of metal.

- Use jigs to bend & form
- Cut & braze parts into finished project

**Includes** 5' locking desk, acetylene cylinder, tank wrench, assembly jig, bending jig, can opener, firebrick, skull cap, gloves, linesman pliers, ruler, oxygen cylinder, welding jig, goggles, striker, bench vise, welding torch assembly, pressure gauges & tank holder.

Stk.	Mfr.	Grade Level	Price
<b>684081</b>	CZ033	8-12	<b>\$5,869.00</b>

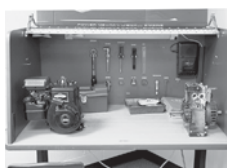


**Glazier: Window Install/Repair**

**Questech** Students cut glass, remove and replace Plexiglas® panel and reinstall window sash and frame. The construction process highlights the role of the glazier.

**Includes** stand-up workstation w/locking tool cabinet, wooden T-square, cleaning fluid, rubber mallet, gloves, glass cutter, glazier's pliers, Phillips screwdriver, glass & Plexiglas® in holder & hardwood block.

Stk.	Mfr.	Grade Level	Price
<b>684085</b>	CZ053	8-12	<b>\$3,725.00</b>



**Power Mechanics / Small Engine Repair**

**Questech** Students inspect, disassemble, service and operate a working gasoline engine. They'll learn the theory of internal combustion engine operation, the fundamentals of power mechanics, become familiar with engine parts and gain hands-on experience.

- Inspect & replace head gasket
- Change & gap spark plug
- Remove & inspect air cleaner

**Includes** 5' locking desk, flat screwdriver, torque wrench, flashlight, ratchet handle, oil stick, 1/2" socket, spark plug, 13/16" socket, gauge wire, replacement spark plug, metric ruler, control cable, cut away & stripped engine to show internal parts, fully-operational 4-cycle engine.

Also includes Fundamental Activities Kit with instruction manual, supplemental textbook & workbook, ball bearing, roller bearing, needle bearing, piston, carburetor, clear plastic cylinder, oil foam air cleaner, compression ring, spark plug, & oil-control ring.

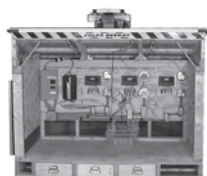
Stk.	Mfr.	Grade Level	Price
<b>684077</b>	CZ025	8-12	<b>\$5,869.00</b>

## GREEN COLLAR ZONE MODULES

**Questech** Green Collar Zone hands-on alternative energy trainers prepare students and adults for careers in the growing green economy.

Solar Panel Installer, Wind Energy Technician and Weatherization Technician are real jobs in the sustainable energy arena; Questech's trainers make the technology easy to teach in the classroom.

STEM based curriculum integrates academic concepts into a safe work experience, using professional tools of each trade.



### Solar Energy

**Questech** Students install solar panels on a roof system using industry-grade materials. They'll work with a solar panel mounting system, solar panel roof anchors, electrical wire, storage batteries, power inverter and solar charge controller, then tie all elements to a residential electrical service panel.

**Includes** Sine wave inverter, 50W solar panel, solar charge controller, 6V sealed batteries, cables, solar-mount flat-top standoff, solar-mount rail, brackets, wire stripper, wire cutter, Phillips & slotted screwdrivers, digital multimeter, voltage detector, ratchet, sockets, deep sockets, drill driver, tape measure, tool belt & chalk line.

Stk.	Mfr.	Price
<b>684100</b>	GCZ001	<b>\$16,900.00</b>



### Wind Energy

**Questech** Students design, build and install a windmill power turbine generator. Activities include connecting it to a power inverter, and wiring the inverter to an electrical service panel. They'll compare wind power cost to a typical residential utilities cost.

- Demonstrate a gin pole concept for raising a windmill tower
- Test the circuits for voltage

**Includes** Sine wave inverter, wind generator, solar charge controller, batteries, cables, level, wire stripper, wire cutter, Phillips screwdriver, slotted screwdriver, digital multimeter, voltage detector, ratchet, sockets, deep sockets, tape measure & tool belt.

Stk.	Mfr.	Price
<b>684101</b>	GCZ002	<b>\$16,900.00</b>



### Weatherization

**Questech** Students perform Energy Audit testing procedures (blower test to check for air leaks & heat loss test to determine insulation quality & efficiency). They'll learn techniques and problem-solving methods for insulating and sealing a structure for improved weather tightness.

- Measure, butt, install wall insulation
- Insulate & caulk window frame
- Insulate & weatherstrip door frame
- Install weather stripping
- Perform thermal test comparison for heat loss from 1-pane window vs. double-pane low E window (& replace 1-pane w/double-glazed window)

**Includes** safety glasses, Phillips screwdriver, insulation-removing hook tool, staple remover, remote thermometer, non-contact thermometer, tape measure, smoke generator, smoke fluid, gloves, dust mask, hard hat, caulk gun, removable caulker, utility knife, staple gun, staples, duct seal putty, heating unit & blower.

Stk.	Mfr.	Price
<b>684102</b>	GCZ003	<b>\$17,900.00</b>

## FLIGHT



### Syncro™ Mini Quadcopter

**Estes**

- Flies easily in any open indoor area
- Recharges w/USB cord
- Gyro provides smooth & stable flight
- Small LED lights add to the fun when flying in the dark
- 2.4 GHz controller links only to your aircraft, allowing multiple aircraft to fly together
- Flies in all directions on command

**Includes** USB charger cord, controller & 4 spare rotor blades.

**Requires 2 AAA batteries, sold separately.**

Stk.	Mfr.	Size	Price
<b>402714</b>	4609	1.75" dia.	<b>\$45.00</b>

## ROCKETS



### Meteor Rocket Kit

**Scientific Explorer** The baking soda and vinegar formula starts a chemical reaction inside the patented fueling module, creating enormous power that launches the rocket up to 100'. Experiment by varying the proportions of baking soda and vinegar or try balsamic vinegar to see if it gives an extra "kick" to the fuel and

change the fuselage length to test flight characteristics.

**Includes** plastic bottle, 3 balsa wood fin template, precut clear tubing, nose cone, 10" foam tape, 2 red plastic film, silver duralar, fueling module, fin holder & instruction booklet.

**Vinegar & baking soda not included.**

Stk.	Mfr.	Altitude	L x Dia.	Price
<b>621570</b>	0SA200	100'	20"	<b>\$20.00</b>



### Rocket Cars

**ABS**

**Launch system & supplies, engines, glue, paint & tools sold separately.**

**Land Speed Rocket Car** "Fly" this car on the ground! It's a land rocket on wheels. Students can work in teams to design, build and race for land speed records. Launch outside in the parking lot. Please allow 300' - 500' for run depending on engine size.

Stk.	Mfr.	Recovery	L x Dia.	Engine	Price
<b>957973</b>	731058	14" chute	31.25" x 1.378"	B or C	<b>\$28.50</b>

**Spirit of America Rocket Car** The next level of land rocket cars. It's a larger, flashier version of the Land Speed Rocket Car. Launch outside in the parking lot. Please allow 400' - 500' for run depending on engine size.

Stk.	Mfr.	Recovery	L x Dia.	Engine	Price
<b>957974</b>	700277	14" chute	31.25" x 1.378"	B or C	<b>\$32.00</b>

Please visit  
**midwesttechnology.com**  
 for the complete specifications  
 of the products listed on this page.



**Create-Your-Own Tech-Pak™ Rocket**

**Estes** Do you need a challenging rocket kit for your advanced or older students? Students build rockets from the ground up using this unique kit that's stocked with quality Estes' parts. They'll roll their own body tube and complete the rocket with reliable Estes compo-

nents. In addition to the manufacturing process, this kit allows students to experience a high degree of reliability and safety.

Recommended Engines: A8-3, 1/2A6-2, B4-4, B4-6, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube form, gummed paper, 12" parachute, shock cord, engine hook, white card stock fins, launch lug, nose cone, engine tube, adapter ring & instructions.

**Requires Porta-Pad® II Launch Pad, Electron Beam Controller, glue, finishing supplies, engines, igniters & recovery wadding, sold separately.**

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	48 or more
402829	2126	1,000'	15.1" x .976"	1	\$9.41	\$7.99

**E2X (Easy-To-Assemble)**

- No paint or special tools needed
- E2X® kits contain parts that are colored, easy to assemble, plastic fins or fin units and plastic nose cones
- Glue the parts together as instructed, apply the self-stick decals and attach the recovery system
- Assembly takes 1-hour or less

**Requires glue, launch system, engines, igniters & recovery wadding, sold separately. Please visit our web site for complete specifications.**



**Alpha III E2X Series**

**Estes** With nothing more needed than glue, you can be on the flying field in no time at all! Using standard engines, the Alpha III soars to heights over 1,100 feet. Whether you're a first time rocketeer or a long time flier, this 12" rocket is a true classic that should be in every collection.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, nose cone, 1-piece fin, self-stick decals & 12" parachute.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
402725	1256	1,100'	12.3" x .98"	1	\$17.10	
402769	1751	1,100'	12.3" x .98"	12	\$97.20	\$87.50



**Alpha III Launch Set E2X Series**

**Estes** Designed with beginners in mind. With all pre-colored rocket parts and easily applied self-stick decals, you're ready for liftoff in minutes. With nothing more needed than glue for this launch set, you can be on the flying field in no time at all!

Recommended Engines: A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, plastic fins, 12" parachute, decals, nose cone, Electron Beam Launch Controller & Porta-Pad II Launch Pad.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
402849	1427	1,100'	12.3" x .98"	1	\$28.10



**AVG E2X Series**

**Estes** Combines rockets from 3 of our popular bulk packs providing teachers a variety of skill levels and rockets for the classroom in a single pack.

**Includes** 4 each of Alpha, Generic & Viking rockets.

**Please visit our website for more information.**

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	4 or more
402710	1753	1 Kit	\$69.70	\$63.00



**Color The Sky E2X Series**

**Estes** Complete collection of crayon rockets. Includes 12 rockets, each is a different color.

Recommended Engines: B4-2 (First Flight), B6-2, B6-4, C6-5.

**Includes** body tube, plastic fins, nose cone, self-stick decals & 18" parachute.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
402752	1715	550'	19.8" x 1.64"	12	\$106.00	\$95.40



**Firestreak SST E2X Series**

**Estes** Assembly is so quick that if you are really short on time, you can assemble it at the launch site and be ready to send this speedy mini rocket into the air in less than 15 minutes! Rocket is molded in a bright purple color and also features colorful, easy to apply self-stick decals!

Recommended Engines: 1/2 A3-2T, A3-4T (First Flight), A10-3T

**Includes** body tube, nose cone, plastic fins, self-stick decals & streamer.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
402705	0806	350'	10.2" x .86"	1	\$8.82	
402779	1792	350'	10.2" x .86"	24	\$146.00	\$131.00



**Generic E2X Series**

**Estes** Unleash your students' creativity! How more generic can you get than an all white rocket! A super easy-to-assemble rocket with no paint, no fuss, no muss! This Plain Jane rocket comes with a shiny silver-backed decal sheet for your students to custom decorate their own special rocket.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, plastic fin unit/engine mount, 1-piece nose cone, 12" parachute & decals.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
402708	1764	1,100'	15" x .98"	12	\$88.30	\$79.00



**Gnome E2X Series**

**Estes** Features a single piece, chrome wrapped body tube, a bright blue precolored 1-piece fin unit, nose cone and upper launch lug ring. The rocket takes about 30 minutes to build and is finished off with a colorful, easy to apply self-stick decal.

Recommended Engines: 1/2A3-2T, 1/2A3-4T, A3-4T, A10-3T.

**Includes** body tube, 1-piece fin, nose cone, self-stick decal & streamer.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
402702	0886	800'	10.30" x .54"	1	\$10.10	
402768	1750	800'	10.30" x .54"	12	\$97.70	\$88.00



**Taser Launch Set E2X Series**

**Estes** Kit features a brightly colored one piece body tube, molded plastic fin set and bullet shaped nose cone. Simply glue a few rocket pieces together, apply the colorful self-stick decals and in less than an hour you'll be ready for the launch pad!

Recommended Engines: A8-3, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, nose cone, molded plastic fins, self-stick decals, 12" parachute, Electron Beam Launch Controller & Porta-Pad II Launch Pad.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402897</b>	1491	1,000'	16.5" x .98"	1	<b>\$23.90</b>



**UP Aerospace SpaceLoft E2X Series**

**Estes** Build and launch a REAL rocket with your students! The SpaceLoft is the first private rocket to launch at New Mexico's Spaceport America. The 1-piece fin unit and precolored body tube make this rocket easy to build. It is a mini engine rocket that launches with a standard Estes Porta-Pad II Launch Pad and Electron Beam Controller, sold separately. No paint or special tools needed.

Recommended Engines: 1/2A3-2T, 1/2A3-4T, A3-4T, A10-3T.

**Includes** body tube, plastic fin unit, plastic nose cone, streamer, decals & lesson guide.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
<b>402848</b>	1793	800'	12.5" x .54"	12	<b>\$53.10</b>	<b>\$47.80</b>

**Skill Level I**

- Requires some painting, gluing and sanding
- Most feature laser cut balsa fins, plastic or balsa nose cones and high quality decals
- Step-by-step instructions make building very easy
- Assembly may take an afternoon

**Requires finishing supplies, paint, glue, launch system, engines, igniters & recovery wadding, sold separately.**



**Taser Twin Skill Level I Series**

**Estes** A simple to build rocket with two-stage rockets, the Taser Twin is sure to be a crowd pleaser on and off the launch pad.

Recommended Engines: B6-0, B6-6, C6-0, C6-7.

**Includes** body tube, nose cone, laser cut wood fins, waterslide decals & streamer.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402784</b>	3201	2,000'	15.4" x .74"	1	<b>\$12.30</b>



**Alpha Skill Level I Series**

**Estes** Ideal for illustrating basic rocket stability principles. Besides having an aerodynamic design, it is a very reliable launcher that can use a wide variety of engines. When your students build the Awesome Alpha, they will acquire many new modeling skills and experience teamwork and safety at the launch field.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5 or C6-7.

**Includes** body tube, balsa wood fins, molded nose cone, engine mount, 12" parachute & self-stick decals.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
<b>402720</b>	1225	1,000'	12.3" x .98"	1	<b>\$15.30</b>	
<b>402772</b>	1756	1,000'	12.3" x .98"	12	<b>\$97.20</b>	<b>\$87.40</b>



**Big Bertha™ Skill Level I Series**

**Estes** The Big Bertha gives you a slow, realistic liftoff. What a thrill it is to watch! Propelled by powerful standard engines, this beauty travels to 500' and comes back to earth with a decorated 18" parachute.

Recommended Engines: B4-2, B4-4, B6-2, B6-4, C6-5.

**Includes** body tube, laser cut wood fins, molded plastic nose cone, 18" parachute & self-stick decals.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402775</b>	1948	500'	24" x 1.64"	1	<b>\$22.50</b>



**Viking™ Skill Level I Series**

**Estes** Rocket can be built with three, four or five fins in 48 possible arrangements. Students can hypothesize how their fin arrangement will affect the rocket's flight then put it to the test by launching it. The perfect, low cost rocket for slim budgets and perfect to use for comparison studies in aerodynamics.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, nose cone, die cut card stock fins, self-stick decals & streamer.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
<b>402776</b>	1949	1,600'	12.1" x .74"	1	<b>\$12.30</b>	
<b>402771</b>	1755	1,600'	12.1" x .74"	12	<b>\$64.80</b>	<b>\$58.30</b>



**Wizard™ Skill Level I Series**

**Estes** This Wizard conjures up magical, high-flying flights time after time and is a great rocket for wind drift studies and other flight competitions. It's the perfect high altitude rocket for beginners that need more of a building challenge.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** body tube, nose cone, laser cut wood fins, self-stick decals & streamer.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	4 or more
<b>402728</b>	1292	1,600'	12" x .74"	1	<b>\$11.70</b>	
<b>402770</b>	1754	1,600'	12" x .74"	12	<b>\$61.80</b>	<b>\$55.00</b>



**Yankee™ Skill Level I Series**

**Estes** The patriotic Yankee is a super performance model with a one-of-a-kind shaped nose cone. The aerodynamic nose cone gives this patriot the extra push it needs to fly way above the average rocket its size.

Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4, B6-6, C6-5, C6-7.

**Includes** 1-piece body tube, laser cut wood fins, conical shaped nose cone, self-stick decals & streamer.

**Quantity Savings!**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price	48 or more
<b>402733</b>	1381	1,850'	11" x .74"	1	<b>\$11.20</b>	<b>\$9.99</b>

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### Skill Level 2

- First tier of more advanced kits that require beginner skills in model rocket construction, finishing and painting
- Features laser cut wood fins, plastic or balsa nose cones, self-stick or waterslide decals, unfinished body tubes and step-by-step instructions
- These are unique designs that include multi-stages, payloads and scale models
- Assembly may take an day

**Requires finishing supplies, paint, glue, launch system, engines, igniters & recovery wadding, sold separately.**

#### Astron Elliptic II™ Skill Level 2 Series



**Estes** With its classic elliptical shaped fins and graceful styling the 2-stage rocket features easy straight forward construction with out of site performance. First tier of more advanced kits.

Recommended Engines: 1/2A3-2T, A3-4T, A10-3T (1st Stage), 1/2A3-4T (2nd Stage), A10-0T (Booster Stage).

**Includes** body tube, nose cone, laser cut wood fins, waterslide decals & streamer.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402729</b>	2447	925'	23.3" x .74"	1	<b>\$11.70</b>

#### Bull Pup 12D Missile Skill Level 2 Series



**Estes** The Bull Pup 12D is a highly detailed version of the USAF AGM-12D Bull Pup air to ground missile. This is a great kit to develop your scale model building skills.

Recommended Engines: A8-3, B4-4, B6-4, C6-5.

**Includes** 1-piece body tube, molded plastic tail, nose cone, laser cut wood fins, self-stick decals & 12" parachute.

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402797</b>	7000	675'	15.6" x 1.33"	1	<b>\$17.60</b>

### Skill Level 3

- Second tier of more advanced kits that require moderate skills in model rocket construction, finishing and painting
- Features multiple laser cut wood fins and parts, unfinished body tubes, waterslide decals, balsa or plastic nose cones, vacuum-formed plastic detailing and step-by-step instructions
- These complex designs include scale models, payloads and multi-stages that can use D and E engines
- Assembly may take a few days

**Requires 3/16" Maxi Launch Rod, glue, launch system, engines, igniters & recovery wadding, sold separately.**

#### Magician Skill Level 3 Series



**Estes** Supersized payload rocket can handle all the power you put in the motor tube to send it on a magical mystery tour of the atmospheric kind! This sorcerer stands an impressive 33.5" tall and has a clear payload section.

Recommended Engines: D12-5, E9-6.

**Includes** body tube, nose cone, laser cut wood fins, waterslide decals, clear payload section & 18" parachute.

**Requires Porta-Pad & Launch Controller, when launching E Engines, sold separately.**

Stk.	Mfr.	Altitude	L x Dia.	Qty.	Price
<b>402731</b>	2440	1,600'	33.5" x 1.33"	1	<b>\$20.60</b>

## ROCKET ACCESSORIES & SUPPLIES

### Engines Estes

#### Mini Single Stage (13 mm)

Stk.	Mfr.	Type	Engines	Igniters	Plugs	Price
<b>402742</b>	1503	1/2A3-2T	4	4	4	<b>\$10.20</b>

#### Standard Single Stage (18 mm)

Stk.	Mfr.	Type	Engines	Igniters	Plugs	Price
<b>402747</b>	1598	A8-3	3	3	4	<b>\$10.20</b>
<b>402749</b>	1602	B4-4	3	3	4	<b>\$10.70</b>
<b>402754</b>	1606	B6-4	3	3	4	<b>\$10.70</b>
<b>402758</b>	1613	C6-3	3	3	4	<b>\$11.20</b>
<b>402759</b>	1614	C6-5	3	3	4	<b>\$11.20</b>

#### Standard Upper Stage (18 mm)

Stk.	Mfr.	Type	Engines	Igniters	Plugs	Price
<b>402760</b>	1615	C6-7	3	3	4	<b>\$11.20</b>

#### Mighty "D" (24 mm)

Stk.	Mfr.	Type	Engines	Igniters	Plugs	Price
<b>402781</b>	1566	D12-3	2	2	4	<b>\$10.80</b>
<b>402782</b>	1567	D12-5	2	2	4	<b>\$10.80</b>

### Engine Bulk Packs

#### Estes

**Includes** 24 engines, 24 reusable igniter plugs, 30 igniters & 75 squares of recovery wadding.



#### Quantity Savings!

Stk.	Mfr.	Type	Price	6 or more
<b>402840</b>	1788	1/2A3-4T	<b>\$49.50</b>	<b>\$44.50</b>
<b>402751</b>	1781	A8-3	<b>\$61.60</b>	<b>\$55.50</b>
<b>402741</b>	1783	B6-4	<b>\$62.50</b>	<b>\$56.30</b>
<b>402833</b>	1789	C6-5	<b>\$72.70</b>	<b>\$65.50</b>

### Electron Beam® Launch Controller



**Estes Includes** safety key & 17' of cable.

**Use only with Estes igniters. Requires 4 AA alkaline batteries, sold separately.**

Stk.	Mfr.	Price
<b>402783</b>	2220	<b>\$24.80</b>

### AltiTrak™ Altitude Finder

**Estes** Track rocket to top of flight & lock in its altitude. Displays exact model rocket altitude on metric scale & elevation angle in degrees (*conversion table included for feet*). Precision instrument of durable plastic is easy to assemble.

Stk.	Mfr.	Price
<b>402787</b>	2232	<b>\$21.80</b>

### Recovery Wadding

**Estes** Flame resistant wadding provides protection from hot ejection gases for parachutes & streamers. Required in most Estes rockets unless they are tumble recovery.

**Includes** 75 sheets for up to 25 flights.

Stk.	Mfr.	Price
<b>402790</b>	2274	<b>\$5.93</b>

### Parachute

**Estes Includes** preassembled 18" parachute.

Stk.	Mfr.	Price
<b>402880</b>	302267	<b>\$6.30</b>



## Starters

**Estes** Ready-to-use starters (formally known as igniters). Requires 1 per launch to ignite your engine. 6/pkg.

Stk.	Mfr.	Price
402801	2302	\$5.69

## Blast-Off® Flight Pak

**Estes Includes** 24 model rocket engines, 6 each A8-3, B6-4, C6-5 & C6-7, plus 75 sheets of recovery wadding & 30 igniters.

Stk.	Mfr.	Price
402766	1672	\$63.00



### Porta-Pad® II Launch Pad

**Estes** Quick assembly, no glue or tools required!  
**Includes** blast deflector and standoff, 2-piece 1/8", launch rod, safety cap & key.

**Porta-Pad II can accommodate a 3/16" Maxi launch rod, sold separately.**

Stk.	Mfr.	Price
402780	2215	\$21.80



### Maxi™ Launch Rod

**Estes** 3/16" dia. 2-piece launch rod is necessary for larger rockets that are powered by C11, D & E Engines.

Stk.	Mfr.	Price
402798	2244	\$11.90

## MODEL GLIDERS



### Paper Squadron™ Kit

**Poof-Slinky** Students will learn about aerodynamics while building, testing and rebuilding their paper airplane models. Great indoor or outdoor learning. For ages 6+.

**Includes** 16 different printed papers, 1 sticker sheet, 1 folding tool & instructions.

Stk.	Mfr.	Price
621560	2165BL	\$8.80



### Cessna 185 Glider

**AG Industries** Excellent flying performance and detailed instructions with this rubber band powered, assemble-in-2-minutes glider. Glue and tools not required.

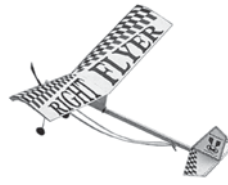
Stk.	Mfr.	Qty.	Price
194814	AG9862	1	\$9.60



### Shoebox R.O.G.

**Midwest Products** Fits right inside a shoebox and is designed to fly both indoors and outdoors. It will fly 40 seconds or more in a gym or over a minute outdoors. Light, but sturdy, glider has easy-to-adjust wings for great flying success.

Stk.	Mfr.	Qty.	Price
536413	51401	8	\$34.20



### Right Flyer

**Midwest Products** Big brother to the Shoebox R.O.G., this plane has cambered airfoil wings and low thrustline for high endurance flights. Can be flown with or without landing gear for drag/weight experiments. 485 mm wingspan.

Stk.	Mfr.	Qty.	Price
536323	501	24	\$89.30
536420	50101	8	\$40.50



### Star Gliders

**Midwest Products** Economical first step in aviation science. Recommended for elementary and middle school students.

Stk.	Mfr.	Qty.	Price
536327	505	35	\$38.80



### Tuff Birds Glider

**Revell** This glider is incredibly fun to fly, and easy to build. No glue is required, and assembly takes just minutes. Balsa wings and body. For ages 8+.

Stk.	Mfr.	Qty.	Price
688750	RMXA3428	1	\$2.33



### Delta Dart

**Midwest Products** The most popular teaching model for a quarter century. Features English/Spanish instructions and an improved prop assembly. Kit includes Teaching With Model Airplanes teacher's guide and is great for elementary and middle school students.

Stk.	Mfr.	Qty.	Price
536328	510	35	\$42.50
536437	3950	1	\$5.50



### Super Delta Dart

**Midwest Products** This model plane is a larger version of the popular Delta Dart, featuring removable/adjustable wing which allows students to experiment with different wing positions, large 21-1/2" wingspan with 15-1/8" length, thicker balsa wood framing strips improve durability. Construction manual helps students achieve better results. Considered "next step" after Delta Dart. For grades 4-12.

Stk.	Mfr.	Qty.	Price
536332	509	24	\$63.80



### Flip Glider

**Midwest Products** Features wing tip dihedral for stability and an airfoil that students sand to shape for optimal lift. Includes the Teaching With Model Airplanes guide. Great for middle school and high school students.

Stk.	Mfr.	Qty.	Price
536324	502	35	\$74.00



**The Wright Bat**

**Midwest Products** Experience flight inspiration with a model of the Wright Brothers' flying toy helicopter. This rubber band powered helicopter flies indoors or outdoors, assembles in minutes and requires no cutting or gluing. For ages 8+.

**Includes** sails, propeller, center support, rubber bands & instructions.

Stk.	Mfr.	Qty.	Price
536444	52202	1	\$6.74
536445	52201	8	\$32.30

**Student Flight Evaluation Kit**



**AG Industries** Great for learning how planes fly and evaluating flight performance resulting from changes made to the plane. Identical pre-cut balsa/paper planes provide a flight test kit in a box for comparing the main forces that act

upon a plane (airfoil shape, wing camber, wing dihedral, drag & thrust).

**Includes** 5 planes w/clips, glue, launcher & manual.

Stk.	Mfr.	Qty.	Price
194831	AG500	1	\$26.40

**Heritage Series Kit**



**AG Industries** Professionally-designed classic planes for the serious modeler. Completion time is approx. 25-40 min.

- 2 light planes #'s 305 & 306 (Wilbur, Orville)
- Phantom I • Strega (modified P-51 Mustang)
- Hercules • Voyager

- 4 racers #'s 519-523 (Pappy, Amelia, Jacqueline, Billy)

**Includes** 10 planes w/clips, glue, ruler, launcher & manual.

Stk.	Mfr.	Qty.	Price
194830	Z1000	1 Kit	\$26.40

**Competition Glider Kit**



**AG Industries** This glider kit is excellent for ages 8 and up! Gliders are all pre-cut and easy-to-assemble. Project can be customized for 30-student class.

**Includes** 30 each pre-cut balsa fuselages, pre-cut fiber airfoils and dihedral gauges, student instructions, 2 teacher's manuals, contest, 39" x 30" target & game w/rules.

Stk.	Mfr.	Qty.	Price
194811	AG5000	1 Kit	\$79.20

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**Tech Glider System Pack**

**Midwest Products** Student's create their own competition-ready gliders. The 24-student class pack has everything needed to construct a plane that complies with the Flight Challenge National Catapult Glider Competition. Instructor's review and understanding of miniature flight technology included.

• Specially-weighted, correctly-sized select balsa wood blanks

• Outlines lead students through the engineering, construction & test flying of their own gliders

• Comprehensive teacher's manual, Mastering Catapult Gliders, Success in Class and in Competition, offers advanced aviation concepts

• Students learn the need for tooling & technology in designing & manufacturing the longest-flying gliders

**Shown with Catapult Kit, sold separately.**

**Primary Pack Includes** balsa blanks (fuselage, tail assemblies & wings), clay ballast, graph paper & Designer Outlines for 24 students, plus "Mastering Catapult Gliders - Success in Class & Competition" teacher's manual. Finished Tech Glider shown with Catapult Kit, sold separately.

Stk.	Mfr.	Price
536535	7150	\$63.00

**Consumable Pack Includes** balsa blanks (fuselage, tail assemblies & wings), clay ballast, graph paper & Designer Outlines for 24 students. Catapult sold separately.

Stk.	Mfr.	Price
536536	7151	\$47.70

**Catapult Kit Includes** 1 contest-legal catapult kit constructed of basswood w/rubber strip launch elastic.

Stk.	Mfr.	Price
536537	7152	\$18.00

**GLIDER ACCESSORIES**

**15-to-1 Competition Winder**

**Midwest Products** High-performance winder for twisting rubber motors fast. Laser-cut hardwood handle for easier gripping by young flyers. For models using 1/8" contest rubber or less.

Stk.	Mfr.	Price
536351	388	\$24.50

**Rubber Band Winder**

**Midwest Products** Students can quickly wind up their Midwest rubber band airplane & boat motors, then immediately begin testing for distance, speed & more! Labor-saving tool winds 5 revolutions for every single hand-cranked turn.

Stk.	Mfr.	Price
536320	389	\$7.70

**Propeller Replacement Assemblies**



**Midwest Products** For Delta Dart, Super Delta Dart & Shoebox R.O.G models.

Stk.	Mfr.	Size	Qty./Pkg.	Price
536318	380	6"	35	\$12.40

**Replacement Rubber Motor Loops**



**Midwest Products** For Delta Dart, Rogue, Tech Twin & Mr. Copter models.

Stk.	Mfr.	Qty.	Price
536315	370	35	\$6.80



### Performax Contest Rubber

**Midwest Products** For Delta Dart, Super Delta Dart, Shoebox R.O.G and Right Flyer.

Stk.	Mfr.	Size	Price
<b>536306</b>	376	1/16" x 48'	<b>\$8.12</b>
<b>536307</b>	377	3/32" x 48'	<b>\$9.00</b>
<b>536308</b>	378	1/8" x 48'	<b>\$10.10</b>



### Model & Hobby Cement

**Elmer's** Convenient and fast-drying, sets in 30 seconds with a strong, invisible bond. Ideal for all plastic-to-plastic bonds, including polystyrene model plastic. Water resistant, will not shrink, low odor and paintable. For indoor use.

Stk.	Mfr.	Size	Price
<b>257800</b>	E1013	1 oz.	<b>\$3.73</b>



### Tacky Formula Modeling Glue

**Midwest Products** Flows easier from bottle for no waste. White glue is nontoxic & has no objectionable odors. For aviation, structures & transportation models.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>536310</b>	362	1 oz.	24	<b>\$25.00</b>
<b>536311</b>	361	4 oz.	1	<b>\$3.93</b>



### Craft Bond Tacky Glue

**Elmer's** Durable, clear-drying wet tack glue offers long-lasting bond and post-drying flexibility. Glue won't run and is ideal for multi-purpose craft projects involving porous and semi-porous materials (not for photos, bare metal, submerged, heated surfaces, or outdoors). Easy water cleanup. Safe and non-toxic.

Stk.	Mfr.	Size	Price
<b>257350</b>	E430	4 oz.	<b>\$2.35</b>



### All Purpose School Glue Sticks

**Elmer's** Easy-to-use glue offers smooth application and water cleanup. Goes on and dries clear. Nontoxic.

Stk.	Mfr.	Size	Qty.	Price
<b>257740</b>	E510	0.21 oz.	1	<b>\$0.63</b>
<b>257630</b>	E556	0.24 oz.	30	<b>\$16.20</b>
<b>257627</b>	E501	0.24 oz.	60	<b>\$28.40</b>



### Scotch® Mega Glue Stick

**3M** Strong, fast-bonding, and no mess. Purple is easy to see when applied, but dries clear. Great for paper, fabrics, and other lightweight items. Non-toxic and acid free.

Stk.	Mfr.	Size	Price
<b>590407</b>	6108-MEGA	1.41 oz.	<b>\$2.73</b>

## MODEL KITS



### Kiting Activity Kit

**ABS** Soar to new limits with this kite pack. Kit includes supplies for 24 students to make 3 different kites: a box kite, sled kite and flat diamond kite.

**Includes** instruction booklets.

Stk.	Mfr.	Qty.	Price
<b>957941</b>	740097	1 Kit	<b>\$500.00</b>



### V-8 Engine Model

**Revell** See how an internal combustion engine works. As you turn the crank, each of the parts move, just like the real thing. Engine features moving pistons and connecting rods. A hand crank operates the pistons, camshaft rocker arms and valves. A superb educational tool on the inner workings and construction of a V-8 engine. For ages 12+.

**Includes** rubber fan belt, vinyl ignition wires, display stand & screwdriver.

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688700</b>	85-8883	1:4	12"L	314	<b>\$72.90</b>



### 1965 Chevy Sidestep Pickup

**Revell** This '65 Chevy Stepside Pickup will stand out at any car show and turn heads at cruise nights but it can also still be a work horse to carry loads. Molded in white, clear and transparent red with chrome plated parts and black vinyl tires. For ages 10+.

**Requires paint & glue, sold separately.**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688680</b>	85-7210	1:25	7-3/4"L	143	<b>\$25.90</b>



### 1967 Chevelle SS

**Revell** The 1967 Chevelle SS 396 may have looked like a standard sports car from the outside, but inside, it was one of the most compulsively drivable muscle cars of its era. Only 612 SS 396s were ever produced, making them a rare collector's item today.

Kit features an opening hood with a detailed 396 cu. in. V-8 engine, a choice of a stock or lowered suspension, optional stock rally wheels or large-diameter custom wheels with disc brake detail, soft black tires, chrome-plated parts and decals with stock and custom graphics. For ages 10+.

**Requires paint & glue, sold separately.**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688655</b>	85-4285	1:25	7-7/8"L	113	<b>\$25.90</b>



### 1968 Dodge Charger Model Kit

**Revell** Build 1 of 2 plastic models. Optional complete 440 cubic inch or 426 Hemi V8 engines plus a separate engine stand. Detailed interior and chassis to build either stock muscle car vintage drag racer. Authentic factory stock detailing decals and competition graphics.

Molded in white, transparent red and clear. Chrome plated parts and black vinyl tires. Illustrated assembly guide. For ages 12+.

**Requires paint & glue, sold separately.**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688653</b>	85-4202	1:25	8-5/16"L	181	<b>\$29.10</b>



**1969 Camaro Z/28**

**Revell** The '69 was one of the best selling of all the Camaro® models over the years. The special Z/28™ package added a unique 302 cubic inch V-8 and other high performance parts to create a blend of good handling as well as powerful acceleration. Kit includes the Rally Sport™ front end trim and the rare dual quad and chambered exhaust options, plus the Rally Sport™ front end trim and the rare dual quad and chambered exhaust options. For ages 10+.

**Requires paint & glue, sold separately.**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688690</b>	85-7457	1:25	7-3/4"L x 2-3/4"W x 1-3/4"H	113	<b>\$23.70</b>



**1970 Boss Mustang Model Kit**

**Revell** Mustang body accurately molded in white polystyrene plastic. Choice of custom chrome mags, chrome Magnum 500 wheels or large diameter chrome custom wheels. Choose to ride on a set of standard or low-profile vinyl tires with realistic tread design. Complete interior detail. Build a highly detailed dual quads on a tunnel ram intake manifold or stock engine. Waterslide custom graphic and authentic factory stock decals. For ages 10+.

**Requires paint & glue, sold separately.**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688650</b>	85-2149	1:24	7-1/4"L x 3-1/8"W	90+	<b>\$25.90</b>



**2013 Camaro ZLI**

**Revell** One look at the Camaro ZLI and you're hooked. It's beautiful. Then, if you're lucky, you get a look under the hood at the 580 horsepower V-8, and any gear head will fall in love. Of course, with a price tag roughly in the "maybe one day, if I'm lucky" range, you're probably better off just building this exquisite model. Kit features a pre-decorated body, fully-detailed 6.2 liter V-8 engine and metal axles. For ages 12+.

**Requires paint & glue, sold separately**

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688660</b>	85-4307	1:25	7-1/2"L x 4-1/4 x 2-1/8"H	48	<b>\$21.60</b>

**DRAGSTERS & RACERS**



**Mousetrap Racer Kits**

**Midwest Products** Comes complete with pre-cut parts and detailed instruction. Now, lower grade level students can participate in mousetrap racing. For grades 4+.

Stk.	Mfr.	Qty.	Price
<b>536338</b>	543	12	<b>\$80.80</b>
<b>536443</b>	54202	1	<b>\$10.90</b>

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**Designer Assortment Kits**

**Midwest Products** Mousetrap Racer Designer Assortment provides students with creative problem-solving challenges.

Kit includes all parts necessary to construct a vehicle of the student's design. Because each student receives the same materials, the instructor maintains control over the inputs - the only variables are the student's effort and problem-solving abilities. For grades 6-12.

**Includes** mousetrap, balsa blocks, plywood discs, dowels, string, rubber bands, brass eyelets & competition guidelines.

Stk.	Mfr.	Qty.	Price
<b>536336</b>	541	12 Kits	<b>\$51.00</b>



**Mousetrap**

**Victor** Metal bait pedal mousetrap.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	144 or more
<b>543999</b>	M040	1	<b>\$0.76</b>	<b>\$0.61</b>

**Vehicle Problem-Solving Activity Kits**

**ABS** Students enjoy experimenting with many design & propulsion situations using these exciting, hands-on activities with various vehicle styles. "Rodney the Rodent" challenges "humans" to consider many methods when creating their racers. Each easy-to-teach kit includes all the parts needed (unless noted), plus an activity guide. Competition & reference suggestions complete each fun educational experience.



**Air Prop Racer**

**ABS** This one will blow your hair back! "Rodney the Rodent" challenges "humans" to use the propeller to drive the Styrofoam® vehicle. Will they design the prop to push or pull? How will it be fixed to the racer? Many solutions are possible with this activity.

Stk.	Mfr.	Qty.	Price
<b>957911</b>	731009	1 Kit	<b>\$7.15</b>
<b>957966</b>	731009CP	12 Kit	<b>\$66.50</b>

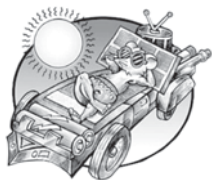


**Egg Drop Vehicle**

**ABS** Get out the drop cloth! "Rodney the Rodent" challenges "humans" to push this car off a table to see if their passenger - an egg - can survive a series of falls. Since only limited padding is included, students are required to muster their mental resources to safely cushion the egg's ride.

**Egg(s) not included.**

Stk.	Mfr.	Qty.	Price
<b>957910</b>	731007	1 Kit	<b>\$7.15</b>
<b>957964</b>	731007CP	12 Kits	<b>\$66.50</b>



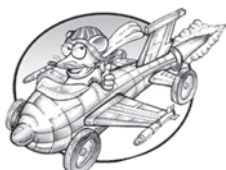
### Electric Car

**ABS** Let the sun shine! Students solve how to power the motor of this friction-driven vehicle. An inexpensive way to experiment with electric and solar power sources.

**Includes** all the parts needed, plus an activity guide.

**Requires AA battery or solar cell, sold separately.**

Stk.	Mfr.	Qty.	Price
<b>957925</b>	740060	1 Kit	<b>\$9.90</b>
<b>957970</b>	740060CP	12 Kits	<b>\$85.50</b>



### Jet Balloon Racer

**ABS** Get that pin away from my car! "Rodney the Rodent" challenges "humans" to keep the air in the balloon so it can power the racer. This fun kit uses a light Styrofoam® car body.

Stk.	Mfr.	Qty.	Price
<b>957909</b>	731008	1 Kit	<b>\$7.15</b>
<b>957965</b>	731008CP	12 Kits	<b>\$66.50</b>



### Marble Mania Vehicle

**ABS** Playing with marbles takes on a new roll! "Rodney the Rodent" challenges "humans" to design a vehicle that is actually powered by marbles. Make this a small group activity and watch your students compete for distance or originality.

**Marbles sold separately.**

Stk.	Mfr.	Qty.	Price
<b>957948</b>	731068	1 Kit	<b>\$11.00</b>
<b>957971</b>	731068CP	12 Kits	<b>\$95.00</b>
<b>957937</b>	802033	25 Marbles	<b>\$9.98</b>

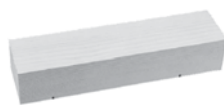


### Mousetrap Vehicle

**ABS** Let's get going! "Rodney the Rodent" challenges "humans" to learn how a mouse-trap can actually power a car. Besides learning propulsion and design principles, competitions between racers make for exciting classroom learning!

Stk.	Mfr.	Qty.	Price
<b>957900</b>	731048	1 Kit	<b>\$7.15</b>
<b>957969</b>	731048CP	12 Kits	<b>\$66.50</b>

## PINEWOOD DERBY RACERS



### Pinewood Derby Basic Racer

**Revell** Here's the "blank canvas" you need to create a race-legal pinewood car that has a look and an edge that are all your own. Kit provides a basic wooden block that's shaped to

meet Boy Scouts of America regulations. It simplifies the most challenging parts of custom racer design - you just start here and add your choice of Pinewood Derby® wheels, weights, paint and decals. Licensed Pinewood Derby® Product. For ages 8+.

7"L x 1.75"W x 1.3"H.

**Includes** wood block w/pre-cut axle slots & instructions.

Stk.	Mfr.	Price
<b>688830</b>	RMXY9632	<b>\$4.30</b>



### Pinewood Derby Wedge Basic Racer

**Revell** The Wedge is a race-legal head start toward creating a unique competitor, whether it's a high-tech F1 racer, sleek sports car or a low-profile custom design of your own. Complete set of official wheels and axles, plus axle

slots are already cut in for easy installation, so you can concentrate on creativity. Licensed Pinewood Derby® Product. For ages 8+.

7"L x 1.75"W. Nose 2/5". Tail 4/5".

**Includes** wood block w/pre-cut axle slots, 4 wheels, 4 axles & instructions.

**Paint, weights & decals, not included.**

Stk.	Mfr.	Price
<b>688810</b>	RMXY8660	<b>\$4.84</b>



### Pinewood Derby Wheel & Axle Kit

**Revell** These are the "real deal" — the only wheels the BSA® accepts for Pinewood Derby® competition. Licensed Pinewood Derby® Product. For ages 8+.

**Includes** four 1-1/4" dia. wheels & 4 axles.

Stk.	Mfr.	Price
<b>688820</b>	RMXY9608	<b>\$3.76</b>



### Pinewood Derby Hot Rod Racer

**Revell** Lightweight wonder with unique looks and wailing top-end speeds. Kit gives you a head start on creating a hot rod racer of your own. You start with a pre-shaped body and sandpaper to smooth it down. Official, race-legal wheels and axles to carry you to victory.

Weights to keep you legal. And the parts you need to make your 'rod look like the real thing. Licensed Pinewood Derby® Product. For ages 8 & up.

**Includes** shaped pinewood block, peel & stick decal sheet, 1 sheet ea. sandpaper (120 grit, 220 grit), 4 wheels, 4 axles, 4 screws, engine, exhaust pipes & instructions,

Stk.	Mfr.	Price
<b>688800</b>	RMXY8641	<b>\$11.90</b>

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dgoodwin@midwesttechnology.com

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**Pinewood Derby Funny Car**

**Revell** The original funny cars were created by moving the rear wheels forward on a passenger car. That made them look "funny" to drag-racing fans — and now, funny cars have a class of their own in racing. Kit comes with everything you need to be competition-ready fast.

Licensed Pinewood Derby® Product. For ages 8+.

**Includes** shaped wood block, peel & stick decal sheet, 1 sheet ea. sandpaper (120 grit, 220 grit), 4 wheels, 4 axles, 4 screws, wing, engine, exhaust, weight, 1 foam, brush, 1 small brush, 1 bottle ea. paint (orange, black) & instructions.

Stk.	Mfr.	Price
<b>688840</b>	RMXY9642	<b>\$17.30</b>

**CO2 DRAGSTERS**



**CO2 Dragster Kits**

**ABS** Everything students need to build an award-winning dragster! Design Guide shows how to build a Land Speed Record Assault Vehicle (LSRAV) using either metric or non-metric measurements.

Each kit includes 12" Styrofoam® body blank\*, 12" pre-drilled wood body blank, 8 gram CO2 cartridge, 4 axle washers, 4 plastic wheels, 2 steel axles, 4" x 4" sandpaper, 11"x17" graph paper, 2 screw eyes, Plastic straw & Design guide.

**Balsa Wood**

Stk.	Mfr.	Styrofoam Blank*	Storage Box	Qty.	Price
<b>957903</b>	721007	Yes	Yes	1	<b>\$9.77</b>
<b>957916</b>	780256	Yes	No	50	<b>\$311.00</b>
<b>957934</b>	721008	No	Yes	1	<b>\$9.56</b>
<b>957936</b>	780256-WB	Yes	Yes	50	<b>\$367.00</b>

**Basswood**

Stk.	Mfr.	Styrofoam Blank*	Storage Box	Qty.	Price
<b>957902</b>	711005	Yes	Yes	1	<b>\$8.09</b>
<b>957915</b>	780254	Yes	No	50	<b>\$260.00</b>
<b>957933</b>	711006	No	Yes	1	<b>\$7.88</b>
<b>957935</b>	780254-WB	Yes	Yes	50	<b>\$316.00</b>



**Dragster Mega Packs**

**ABS** Mega Packs provide your classroom with everything needed for 50 students to finish their dragsters in style.

**Includes** 50 complete dragster kits, 5 paint stands, 2 decal kits (225/kit), 144 paint brush

assortment, two 18-piece acrylic paint sets, 50 sets of paintable brushed metal gray hub cap sets, Dragster Video & steering wheel trophy.

Stk.	Mfr.	Type	Qty.	Price
<b>957931</b>	780258	Basswood	1 Kit	<b>\$497.00</b>
<b>957932</b>	780259	Balsa Wood	1 Kit	<b>\$561.00</b>

**Styrofoam® Body Blanks**

**ABS**

**Quantity Savings!**

White

Stk.	Mfr.	Type	Size	Qty.	Price	100 or more
<b>478204</b>	711017	Blank	12" x 1-1/2" x 2-3/4"	1	<b>\$0.55</b>	<b>\$0.49</b>
<b>957897</b>	711018	Sheet	12" x 18" x 1-5/8"	1	<b>\$3.92</b>	



**Wood Body Blanks**

**ABS** Pre-drilled hole for CO<sub>2</sub> cartridge.

**Quantity Savings!**

Stk.	Mfr.	Type	Size	Qty.	Price	100 or more
<b>478205</b>	721015	Balsa Wood	12" x 1-5/8" x 2-3/4"	1	<b>\$3.57</b>	<b>\$3.19</b>
<b>478207</b>	711013	Basswood, Economy	12" x 1-5/8" x 2-3/4"	1	<b>\$2.57</b>	<b>\$2.29</b>
<b>536301</b>	305BASS	Basswood, Premium	12" x 1-5/8" x 2-3/4"	1	<b>\$3.90</b>	<b>\$3.35</b>

536301 | Meets TSA specifications.



**CO2 Cartridge w/Safety Weld Closure**

**Leland** Universal fit, 8 gram charge cartridge w/safety weld closure. Made to exacting specifications.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	100 or more
<b>957923</b>	30404	1	<b>\$0.45</b>	<b>\$0.39</b>



**CO2 Cartridge w/Safe-sealing Puncture Cap**

**Leland** 8-gram charge cartridge fitted w/ safe-sealing puncture cap that releases the CO<sub>2</sub> in the event that the cartridge is overheated. Especially important when around children. Universal fit. 99.5% purity.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	100 or more
<b>957924</b>	40105	1	<b>\$0.53</b>	<b>\$0.48</b>



**Wheel Kits**

**ABS**

**Includes** 4 ea. color wheels & axle washers, 2 ea. steel axles, screw eyes & straws.

**Body blank required, but sold separately.**

**Quantity Savings!**

**Wheel Kit Only**

Stk.	Mfr.	Color	Qty.	Price	100 or more
<b>478214</b>	700188	Black	1 Kit	<b>\$1.43</b>	<b>\$1.35</b>

**Wheel Kit w/8 gram CO2 Cartridge**

Stk.	Mfr.	Color	Qty.	Price	100 or more
<b>478203</b>	721061	Black	1 Kit	<b>\$2.38</b>	<b>\$1.99</b>
<b>957942</b>	731013	Red	1 Kit	<b>\$2.75</b>	
<b>957943</b>	731014	Blue	1 Kit	<b>\$2.75</b>	
<b>957944</b>	731015	Green	1 Kit	<b>\$2.75</b>	
<b>957945</b>	731016	Pink	1 Kit	<b>\$2.75</b>	
<b>957946</b>	731017	Yellow	1 Kit	<b>\$2.75</b>	
<b>957947</b>	731018	Orange	1 Kit	<b>\$2.75</b>	



**Racing Slicks**

**ABS** 6 spoke racing slicks.

Stk.	Mfr.	Color	Qty.	Price
<b>478218</b>	721025	Black	100	<b>\$15.80</b>

**Front Wheels ABS** Features 5 spokes & a reinforced hub.

Stk.	Mfr.	Color	Qty.	Price
<b>478216</b>	721020	Black	100	<b>\$15.80</b>

**Spoked, Neon-colored Wheels ABS**

**Front**

Stk.	Mfr.	Color	Qty.	Price
<b>957917</b>	721023	Orange	100	<b>\$15.80</b>
<b>957919</b>	721021	Yellow	100	<b>\$15.80</b>
<b>957921</b>	721024	Pink	100	<b>\$15.80</b>

**Rear**

Stk.	Mfr.	Color	Qty.	Price
<b>957918</b>	721028	Orange	100	<b>\$15.80</b>
<b>957920</b>	721026	Yellow	100	<b>\$15.80</b>
<b>957922</b>	721029	Pink	100	<b>\$15.80</b>



**Hub Cap Sets**

**ABS** Fits over rear spoke wheels. Paintable brushed metal gray.

Stk.	Mfr.	Type	Qty.	Price
<b>957892</b>	700250	Full Moon	4	<b>\$0.76</b>
<b>957893</b>	700251	Baby Moon	4	<b>\$0.76</b>
<b>957894</b>	700252	Racing	4	<b>\$0.76</b>
<b>957895</b>	700253	Triple Cutaway	4	<b>\$0.76</b>
<b>957896</b>	700267	4 of each style	16	<b>\$2.10</b>

**Washers ABS**

Stk.	Mfr.	Qty.	Price
<b>478211</b>	721042	100	<b>\$4.03</b>

**Screw Eyes ABS**

Stk.	Mfr.	Qty.	Price
<b>478212</b>	721041	100	<b>\$7.04</b>

**Dragster Axles ABS**

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>957908</b>	721040	1/8" x 2-1/2"	100	<b>\$4.03</b>

**1/8" Dia. Straws ABS** Used as axle bearings for dragsters or for building model bridges.

Stk.	Mfr.	Size	Qty.	Price
<b>478215</b>	721043	1/8" dia. x 8"L	500	<b>\$11.40</b>

**Dry Transfer Decals ABS** Fastest, easiest way to customize CO2 dragsters.

Stk.	Mfr.	Price
<b>478209</b>	700181	<b>\$12.60</b>



**Dragster Paint Stand**

**ABS** Solid plastic stand has an expired CO2 cartridge fixed to a thumb screw so dragsters can be attached & rotated for painting w/out being touched. Cleans easily.

*Shown w/dragster, sold separately.*

Stk.	Mfr.	Price
<b>957905</b>	731050	<b>\$17.60</b>



**Extra Fine Graphite Lubricant**

**AGS** Fine dry powdered lubricant for locks, hinges, tools, bicycles & more.

Stk.	Mfr.	Size	Price
<b>942897</b>	MZ-5	32 grams	<b>\$5.02</b>



**Slide-All Dry Spray Lubricant**

**Elmer's** Teflon dry spray lubricant provides more slip than silicone and graphite, but without oily stains.

Stk.	Mfr.	Size	Price
<b>257619</b>	E450	4 oz.	<b>\$6.08</b>



**Pro Survivor Stopwatch**

**Accusplit** Rugged, shock & water resistance. Million cycle switches operate cleanly, precisely & reliably. Large digits for easy viewing. Features split timing, time & date functions. 1.5 year battery life. 5-yr. mfr.'s warranty. Blue.

**Includes** lanyard, battery & instructions.

Stk.	Mfr.	Price
<b>122001</b>	AX601X-BU	<b>\$20.00</b>

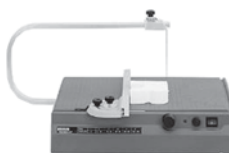


**Survivor Stopwatch**

**Accusplit** WOS 2.5 operating system. Cum split only. Timing range 24 hours. Event/time-out. 1,2 fast finish. Split/release action. Alarm & date. XL liquid crystal display. Water resistant.

**Includes** lanyard, battery & instructions.

Stk.	Mfr.	Price
<b>122000</b>	S1XLBK	<b>\$9.60</b>



**Hot Wire Thermocut Styrofoam/Polystyrene Cutter**

**Proxxon** Easily cut Styrofoam®, Polystyrene & thermoplastic materials freehand or w/stencils. Makes a combination of straight, tight curves & smooth cuts. Large aluminum table w/printed grid, protractor & miter gauge ensures fast,

accurate cuts. LED indicates operation & helps prevent burns. Adjustable cutting wire temperature heats to maximum in under 1 sec.

Max. cut 5-1/2"H. Throat 13-3/4". Wire temp. 210°-390°. 110V. Table 15-11/32"L x 11"W. Weight 6.6 lbs.

Stk.	Mfr.	Price
<b>303000</b>	37080	<b>\$179.00</b>

**Replacement Wire, 98' spool**

Stk.	Mfr.	Price
<b>303001</b>	28080	<b>\$14.90</b>

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**Call us at 800-831-5904.**



**Thermocut Styrofoam Cutter**

**Proxxon** For freehand cutting and construction in thick Styrofoam w/out crumbling. Stable frame w/pivotal fixture at the top & extendable lower wire fixture. Shape wire as desired. Variable temperature control heats up in 1 second. 2-yr. mfr.'s warranty.

Max cut 5-3/4"H. Throat 7.9".

Wire temp. 300°-600°. 12V. Size 12-3/4"L x 6-3/4"W. Weight 1 lb.

**Includes** 5 shapeable cutting wires (20 ga., 11.4"L).

**Requires Micromot AC adapter, sold separately.**

Stk.	Mfr.	Price
<b>303010</b>	27082	<b>\$75.20</b>

**Micromot AC Adapter Proxxon**

Stk.	Mfr.	Price
<b>303012</b>	38706	<b>\$46.90</b>

**Thermocut Styrofoam Cutter Wire Proxxon** Replacement wire. 10/pkg.

Stk.	Mfr.	Price
<b>303011</b>	28082	<b>\$27.00</b>

**Polystyrene Sheets**

**ABS** Sturdier than Styrofoam®, dense, lightweight expanded polystyrene foam is great for vehicle bodies, prototypes, intricate shapes, wings & more.

Stk.	Mfr.	Size	Qty.	Price
<b>543471</b>	MWPS-1	11-1/2" x 23-1/2" x 1"	1	<b>\$3.00</b>
<b>543472</b>	MWPS-1-1/2	11-1/2" x 23-1/2" x 1-1/2"	1	<b>\$4.95</b>
<b>543473</b>	MWPS-2	11-1/2" x 23-1/2" x 2"	1	<b>\$6.90</b>

**Flight Dynamic Wind Tunnel**

**Kelvin** Extremely quiet wind tunnel features absolutely straight air flow ideal for showing air currents. Wind speed can reach over 30-mph. Large window for easy viewing. Instructions test for & illustrate the effects of airflow, draft, coefficient of drag & aerodynamics.



Size 56"L x 18"W. Test chamber 6"W x 12"L.

**Includes** instructions, air indicator & test objects.

**Shown w/Wind Tunnel Scale Pkg., sold separately**

Stk.	Mfr.	Price
<b>492174</b>	841786	<b>\$1,838.00</b>

**Kel-Lift & Drag Sensor™** Measures lift & drag using a rod connected to multiple sensors. Attaches item to interface rod. Mounts inside or below any wind tunnel. **Includes** interface w/USB port, USB cable, Windows® compatible software & Digital Wind Meter.

Stk.	Mfr.	Price
<b>492175</b>	841410	<b>\$1,200.00</b>

**Wind Tunnel Scale Package** Measures drag on a car in the wind tunnel. **Includes** scale, test tray & all accessories.

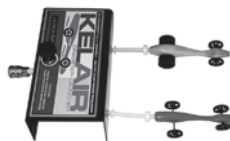
Stk.	Mfr.	Price
<b>492176</b>	841787	<b>\$340.00</b>

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**Dragster Launcher**



**Kelvin** Eliminates the need for CO2 cartridges. Easy-to-use launcher uses compressed air delivered in equal amounts to launch dragsters. The 1- or 2-lane system launches vehicles safely & accurately. Ideal for teaching vehicle aerodynamics, mass ratios & speed ratios. Uses less

wood for body design & allows for multiple test launches.

**Requires portable air compressor, sold separately.**

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>492180</b>	840814			<b>\$391.00</b>

**Portable Air Compressor** For use w/Launcher

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>291141</b>	FP2028			<b>\$133.00</b>

**Dragster Kits** Each kit includes blank w/ pre-drilled hole, 4 wheels, 2 axles, 4 washers, 2 screw eyes & straw.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>492191</b>	840917	7-1/2"L	10 Kits	<b>\$42.30</b>
<b>492192</b>	840918	10"L	10 Kits	<b>\$45.90</b>

**Dragster Blanks** Wood blank without hole.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>492165</b>	390555	10"L	100	<b>\$169.00</b>
<b>492166</b>	390556	7-1/2"L	100	<b>\$113.00</b>

**CO2 Dragster Raceway System & Ramps**  
**ABS**



**Manual Raceway System** System simultaneously fires both vehicles from the start gate. Finish gate catches the car & designates the winner. **Includes** start gate, finish gate w/winning lane indicator & racing instructions. Timing & starting lights not included.

Stk.	Mfr.	Price
<b>957960</b>	731054	<b>\$594.00</b>

**Electronic Raceway System** Close to real dragster racing! 2 vehicles race against each other in their own lanes & are started w/real "Christmas tree" dragster lights. System can be set to fire both cars independently or simultaneously timed to 1,000th of a sec. **Includes** start & finish gates, firing handles & starting lights.

Stk.	Mfr.	Price
<b>478233</b>	740041	<b>\$1,114.00</b>

**Elevated Racetrack for Electronic or Manual Systems** Add realism & excitement to your race event w/this sturdy, elevated racetrack. Wood track has black & oak finish & stands solidly on steel legs, which fold up after use. Both start & finish gates fasten on track w/ bolts. Nine 8' sections total 72'L to meet TSA racing regulations.

Stk.	Mfr.	Price
<b>957927</b>	740065	<b>\$1,804.00</b>

**Firing Pins** For use w/Electronic Raceway System. 2/pkg.

Stk.	Mfr.	Price
<b>478230</b>	711049	<b>\$15.50</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!



# AIRBRUSH & PAINT EQUIPMENT

## PAINT & BRUSH SETS

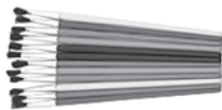


### Brush Assortment

**Linzer** Camel hair brushes with metal ferrules and plastic handles. Use for models, watercolors, hobbies and crafts.

**Includes** 24 of each #1, #2, #3, #4, #5 & #6.

Stk.	Mfr.	Price
<b>942805</b>	A9000	<b>\$22.10</b>



### Brush Set

**Linzer** Pony hair brushes with metal ferrules and plastic handles.

**Includes** 2 ea. of #'s 1, 2, 3, 4, 5 & 6.

Stk.	Mfr.	Price
<b>504000</b>	A9018	<b>\$2.34</b>



### Air-Opaque™ Paint

**Badger** For students wanting vibrant color with consistent results. Formulated for air brushes, technical pens and paint brushes on paper, illustration board and canvas, plus wood

and Styrofoam® models. Ready-to-use paints are quick drying, water resistant, pre-reduced, colorfast, water-based, nontoxic, nonflammable, noncarcinogenic. Mix paints for more colors.

**Primary Set Includes** crimson, yellow, blue, green, brown, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>222359</b>	701	1 oz.	7	<b>\$24.30</b>

**Secondary Set Includes** scarlet, magenta, orange, violet, indigo, aqua, turquoise.

Stk.	Mfr.	Size	Colors	Price
<b>222360</b>	702	1 oz.	7	<b>\$24.30</b>

### Acrylic Paint Sets



**Sargent Art** Opaque acrylic paints are non-toxic, water-based, relatively fast-drying and permanent. For use on wood, plaster, bisque and clay (*not a glaze for firing*), paper, paper mache, foam and canvas.

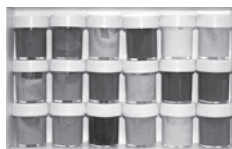
**Premier Set Includes** yellow, blue, green, red, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>196218</b>	665420	3/4 oz. each	6	<b>\$6.15</b>

**Primary Set Includes** peach, violet, orange, brown, turquoise & magenta, yellow, blue, green, red, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>196219</b>	665421	3/4 oz. each	12	<b>\$11.30</b>

### Acrylic Craft Paint



**Deep Flex** Get creamy-smooth brushability and maximum coverage with these paints that are nontoxic, water-based, fast-drying and permanent. Use them on wood, plaster, bisque, clay, plastic, foam, canvas, paper, paper mache and most porous surfaces.

Stk.	Mfr.	Size	Colors	Price
<b>478232</b>	740094	1/2 oz. ea.	18	<b>\$29.60</b>

## AIRBRUSH SETS



### Model 350 Airbrush Set

**Badger** Single-action, bottom-feed, external mix airbrush is great for stippling and spraying broader areas. Sprays high-viscosity materials such as ceramic glasses and stains and hobby enamels. Made of high-impact nylon, resistant to solvents and paint chemicals.

**Includes** 3 sizes of fluid tips & needle assemblies, 3/4 oz. jar, 2 oz. jar w/cover, 8' braided air hose, 1/4" pipe thread fitting, wrench & manual.

Stk.	Mfr.	Price
<b>222355</b>	350-4	<b>\$104.00</b>



### Crescendo™ Airbrush Set

**Badger** A durable, versatile airbrush that works continuously without breakdown. Spray regulators and tips change easily for greater diversity. Sprays properly reduced acrylics, acrylic enamels and lacquers, gouaches, fabric colors, inks, dyes, ceramic colors and glazes, watercolor, Air-Opaque™, Air-Tex™ and ACCU-flex™ colors.

- Bottom-feed, dual action, internal mix
- 1-piece, no-slip angled trigger for durability & comfort
- Snap-off handle for quick needle changes & cleaning
- Adaptable to 3 head sizes: fine, medium & large

**Includes** airbrush w/3 tips, spray regulators & needles (*fine, medium & large*), 8' braided air hose, 3/4 oz. jar w/jar adapter, two 2 oz. paint jars, 1/4 oz. metal color cup, 2 trigger pads, airbrush hanger & protective cap.

Stk.	Mfr.	Price
<b>222352</b>	175-7	<b>\$153.00</b>



### Model 360 Universal Airbrush

**Badger** The only airbrush capable of performing in a gravity-feed as well as a bottom-feed mode.

- 360° front end rotation allows for either gravity or bottom feed usage
- Single nozzle/needle sprays from pencil-thin lines to 3" pattern

- Sprays all materials from acrylics to watercolors, inks to lacquers, Air-Opaque™, Air-Tex™ & MODELflex™ airbrush paints
- Finger-tight assembly tolerances
- Balance system corrects weight apportionment
- Trigger cushion is ultra comfortable & ergonomically correct
- Lifetime mfr.'s warranty on labor & Teflon seals

**Includes** all-purpose nozzle/needle, attachable jar, additional jar w/cover, trigger pad, protective cap & manual in plastic case.

Stk.	Mfr.	Price
<b>222357</b>	360-1	<b>\$193.00</b>



### Hobby Spray Gun Set

**Badger** Basic set with everything needed to start working with spray gun. Perfect for jobs requiring a simple but effective spray. Step-by-step hobby guide is filled with helpful sections such as preparation for painting, camouflage, weathering and more.

**Includes** attachable 3/4 oz. jar, 6' air hose, propel regulator & can, 3/4 oz. mixing jar w/cover, 3 MODELflex™ colors, mixing pipette, manual & case.

Stk.	Mfr.	Price
<b>222354</b>	250-7	<b>\$72.20</b>

### Anthem Airbrush Set



**Badger** User-friendly airbrush is versatile and comfortable. The thinner dia. needle and cone-shaped paint tip enable a single needle/tip configuration to spray virtually any desired material, eliminating the need for fine, medium or large needle/tip variations. Also enables novice

airbrush user to create and maintain the finest of lines with ease, yet meets the most exacting standards of accomplished users.

**Includes** airbrush w/protective cap, 8' braided air hose, 3/4 oz. jar w/jar adapter, 3/4 oz. jar w/cap, one 2 oz. paint jar, 1/4 oz. color cup & labeled box.

Stk.	Mfr.	Price
222356	155-7	\$145.00

### Single-Action Airbrush Set



**Paasche** Sturdy, flexible single-action airbrush for all skill levels. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, 1/4 oz. metal color cup, 1 oz. color bottle assembly w/cap/gasket, 2 color-adjusting parts, 2 air caps, 2 wrenches, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
640330	H-SET	\$72.20

### Complete Airbrush Outfit



**Speedy** A great setup for the beginning or more experienced hobbyist and crafts maker. Features a hobby compressor with toggle switch for ample, oil-free air delivery.

**Includes** hobby compressor, airbrush quick-release 1 oz. jar & medium material nozzle, extra 1 oz. & 2 oz. jars, 8' air hose & bleeder valve for use w/non-bleeder airbrushes.

Stk.	Mfr.	Item	Price
279220	HS430		\$390.00
279320	HS1520SM	Replacement Jars 3/pkg., 1 oz.	\$14.70

### Jar & Nozzle Assemblies

Stk.	Mfr.	Item	Price
278985	HS31	Fine	\$31.50
278986	HS32	Medium	\$31.50
278987	HS33	Heavy	\$31.50

### Double-Action Airbrush Set



**Paasche** Sturdy, flexible double-action airbrush can spray patterns from fine detail to broader coverage handling light, medium and heavy fluids. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, head-protecting cap, 1/4 oz. metal color cup, 1 oz. bottle assembly w/cap/gasket, 2 tips, 2 needles, 2 air caps, wrench, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
640331	VL-SET	\$94.30

## AIR COMPRESSORS

### Airstorm Air Compressor



**Badger** Lightweight, maintenance-free unit is excellent for moderate use. Features auto shut-off, hinged handle and 1/8" hose connection. ETL certified.

Air delivery (scfm) 0.81 @ 57 psi.  
Size 8-1/4"L x 5-1/2"W x 7-3/4"H. Weight 7.93 lbs.

**Includes** 6' cord w/3-pronged plug, on/off switch, 4 suction-cup feet & 1/8" to 1/4" hose adapter.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
222365	180-15	110	1/6	57 psi	\$209.00

### D500 Air Compressor



**Paasche** Economical, lightweight compressor works with all airbrushes spraying properly thinned fluids. Oil-free unit delivers 20-40 psi.

Air delivery (scfm) 0.4 @ 20 psi.  
Size 14"L x 6"W x 8"H. Weight 12 lbs.

**Includes** 6' cord w/3-pronged plug & 4 suction-cup feet.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
640332	D500	115	1/8	40 psi	\$113.00

### DC600R Airbrush Compressor



**Paasche** Tank mounted compressor contained in a metal enclosure with carrying handle. Compressor shuts off when airbrush is not in use. Operating pressure 20 to 35 PSI with max pressure up to 65 PSI depending on airbrush being used.

• Protective case w/2 airbrush holders

- 1 gallon tank for pulsation free airbrushing
- Regulator & moisture trap
- Oil-free piston type
- Thermal protected
- Noise level 50db

Size 16"L x 6.5"W x 16"H. Weight 24 lbs.

**Includes** R-75 regulator & moisture trap.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
640335	DC600R	115	1/6	65 psi	1 gal.	\$273.00

### Portable Air Compressor



**Campbell Hausfeld** For inflation, brad nailing, stapling and airbrushing. 1 gal. tank eliminates the pulsations caused by piston action. Conveniently placed, easy-read gauge for easy monitoring of air pressure. Sturdy handle allows handy transport and storage.

Air delivery (scfm) 0.51 @ 40 psi & 0.39 @ 90 psi.

Size 11.8"L x 11.8"W x 12.7"H. Weight 16 lbs.

**Includes** 2 inflation nozzles, needle & adapter, air chuck & 25' recoil hose.

Stk.	Mfr.	Volts	Max. Pressure	Tank Capacity	Price
291141	FP2028	120	100 psi	1 gal.	\$133.00

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.

## SPRAY BOOTHS



### HSSB Bench Top Spray Booth

**Paasche** Rugged, compact, portable, easy-to-assemble unit is perfect for small ceramics to radio control models. Intended to remove larger particles from the air (*but will not remove all hazardous airborne materials*). When spraying materials that have strong vapors or

harmful chemicals, vent exhaust outside (& when necessary wear goggles & protective paint/vapor mask). Made of durable, galvanized metal for easy cleaning.

115V, 1/4 HP, 1 Phase. Inside working area 16"H x 20"D.

**Includes** carbon & fiberglass filter system, vent & enclosed motor.

#### 22"L (inside) 235 cfm. Weight 39 lbs. (shipping)

Stk.	Mfr.	Price
<b>640370</b>	HSSB-22-16	<b>\$311.00</b>

#### 30"L (inside) 470 cfm. Weight 44 lbs. (shipping)

Stk.	Mfr.	Price
<b>640371</b>	HSSB-30-16	<b>\$506.00</b>

#### Charcoal Replacement Filter, 1/pkg.

Stk.	Mfr.	Price
<b>640280</b>	CHAR-8	<b>\$8.60</b>

#### Polyester Replacement Filters, 2/pkg.

Stk.	Mfr.	Price
<b>640298</b>	AG-8-2	<b>\$6.88</b>



### BBF Bench Top Spray Booth

**Paasche** Made of 20 ga. galvanized steel, this unit's powerful motor filters dangerous fumes away from students. Its large size accommodates spraying of parts. Convenient, disposable fiberglass filters. Booths in single or multiple sections are ideal where space is limited.

Inside working area 2'W x 2'H x 2'6"D.

Outside size 2'1"W x 3'1"H x 3'D. 140 lbs.

**Includes** belt guard, draft gauge, 2 sets of filters, vent & enclosed motor.

**Must be assembled & hardwired.**

Stk.	Mfr.	Volts	HP	Phase	CFM	Price
<b>640349</b>	BBF-2	115	1/4	1	1,100	<b>\$1,456.00</b>
<b>640350</b>	BBF-2	230	1/4	3	1,100	<b>\$1,456.00</b>

**Replacement Filters Paasche** Convenient, disposable fiberglass filters. Fits Paasche BBF & EBF Series Bench Top Spray Booths. 12" x 25" x 2". 50/pkg.

Stk.	Mfr.	Price
<b>640299</b>	AG-12	<b>\$90.20</b>



### Painting Hood & Cabinet System

**Shain** Fabricated of 18 ga. steel with corrosion resistant, powder coat baked epoxy finish. The upper booth enclosure includes a standard vapor-proof light and two filters set in an easy to change flange bracket system. Globe interior light is mounted and wired to common junction box.

Blower motor operates at an RPM designed to provide 100 LFM and approximately 3/4" of static pressure.

Blower is mounted on top and wired to common junction box. Cabinet constructed of solid hardwood, solid maple and maple veneers with locking double doors and 1 adjustable shelf. Galvanized steel top.

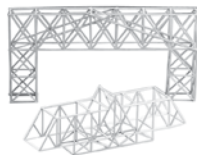
Dimensions: 36"W x 24"D x 97.75"H.

Dimensions: 36"W x 24"D x 97.75"H.

**Secure cabinet to the wall for safety. Hardware not included.**

Stk.	Mfr.	Price
<b>155005</b>	8200M	<b>\$4,656.00</b>

## BRIDGE BUILDING KITS & TESTERS



### Model Bridge Design Class Pack of 24

**Midwest Products** Creative problem-solving activity for middle and high school students. They'll design and construct wooden bridges, then enjoy the thrill of destructive testing to calculate the bridge's efficiency and determine the best design.

Bridge building supports geometry, physics, technology education, mathematics and general science. In addition to classroom competition, there are numerous state and nationwide annual competitions which offer recognition and awards.

Select 360 pieces of either 1/8" x 1/8" x 24" balsa or 3/32" x 3/32" x 24" basswood. Balsa is lighter, basswood is stronger and more dense. Teaching with the Model Bridge Building Program booklet in every class pack to aid to your class planning (*also available separately*).

**Includes** wood & glue or 24 students, design parameters to conduct the competitive lab activity & manual.

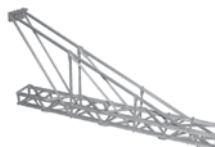
#### Quantity Savings!

Stk.	Mfr.	Type	Qty.	Price	4 or more
<b>536360</b>	8650	Basswood	1 Kit	<b>\$63.80</b>	<b>\$54.00</b>
<b>536370</b>	8660	Balsa Wood	1 Kit	<b>\$68.00</b>	<b>\$59.00</b>

### Teaching with Model Bridge Building Program Booklet

#### Midwest Products

Stk.	Mfr.	Price
<b>536373</b>	8665	<b>\$3.38</b>



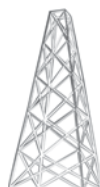
### Boomilever Class Pack

**Midwest Products** Students learn the principles of physics and engineering while building a pre-designed boomilever. Kit prepares them for the Science Olympiad Boomilever Competition. Also great for classroom competition.

Overall size 16-3/4"L x 2"W x 8-1/4"H.

**Includes** balsa, basswood, glue & full-size building plans for 15 students, plus Teaching with Midwest's Boomilever Kit teacher's guide CD (*provides National Science Standards, web links & more*).

Stk.	Mfr.	Qty.	Price
<b>536449</b>	8676	1 Kit	<b>\$128.00</b>



### Balsa Tower Class Pack

**Midwest Products** Hands-on, tower-building challenge is a creative, problem-solving kit with construction concepts and design secrets. Using premium balsa wood, students will fashion lap or butt joints for symmetrical, winning prototypes. Class pack for 24 students.

**Includes** 360 balsa strips of 1/8" x 1/8" x 24", B-size graph paper sheets, bottles of tacky formula glue, student instructions & teacher's manual.

Stk.	Mfr.	Qty.	Price
<b>536359</b>	8655	1 Kit	<b>\$72.30</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



### Lift Bridge Operating Model

**Midwest Products** Scale model Bascule bridge, a drawbridge with counterweight continuously balances the bridge span. Teaches the concepts of center of balance, equilibrium and the lever of a simple machine. Intermediate-level kit (for grades 5-12) contains 1 leaf of the 2-leaf bridge.

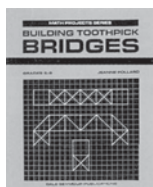
Overall size 12-3/4"L x 4-3/4"W x 5-1/4"H. Scale 1/130.

**Includes** precision laser-cut wood parts, hardware, adj. counterweight & roller platform.

Stk.	Mfr.	Qty.	Price
<b>536450</b>	86702	1 Kit	<b>\$12.60</b>

**Class Pack Includes** the above, plus Comprehensive Teacher's Guide CD which gives National Science Standards, web links, lesson plans for 2 grade levels (5 to 8 & 6 to 12).

Stk.	Mfr.	Qty.	Price
<b>536451</b>	8670	12 Kits	<b>\$126.00</b>



### Building Toothpick Bridges

**ABS** Students will learn the business and teamwork aspects of bridge building. Brings practical approach to math, geometry and social studies through the exercise of building a bridge.

**Includes** teachers guideline & bridge plans.

Stk.	Mfr.	Price
<b>957886</b>	740174	<b>\$52.70</b>

### Toothpicks

#### ABS

Stk.	Mfr.	Item	Qty.	Price
<b>957887</b>	740181	Round	800	<b>\$5.60</b>
<b>957888</b>	740182	Square	800	<b>\$5.60</b>

### 1/8" Dia. Straws

**ABS** Used as axle bearings for dragsters or for building model bridges.

Stk.	Mfr.	Size	Qty.	Price
<b>478215</b>	721043	1/8" dia. x 8"L	500	<b>\$11.40</b>

### 1/4" Dia. Straws

**ABS** Used for bridge building.

Stk.	Mfr.	Size	Qty.	Price
<b>957884</b>	700081	1/4" dia. x 7-3/4"L	300	<b>\$8.14</b>



### Earthquake Structure Tester

**Kelvin** Have students design and build a tower, bridge or house from balsa wood. Then attach it to the Earthquake Machine and turn the earthquake on. Vary the speed using the variable speed power supply (sold separately) and see how long it takes before the structure begins to fall apart. Includes 1,000g weight which can be attached to the structure to give it more destruction mass.

Stk.	Mfr.	Price
<b>492190</b>	840880	<b>\$672.00</b>

### Variable Speed Power Supply

Stk.	Mfr.	Price
<b>492198</b>	841051	<b>\$196.00</b>



### Structural Stress Analyzer

**AMT** Authentic testing platform designed to be both dependable and durable, the SSA enables students to perform materials testing in the same manner found at the college level - a perfect experience for inclusion in the student portfolio. With forces up to 1,000 lbs. the SSA

displays real time data measuring force and deflection of classroom-constructed towers, bridges and tensile samples. This stress-strain relationship curve allows students to analyze and describe the performance of samples using college level concepts and vocabulary - an essential experience for college and career readiness.

- Rigid aluminum construction for stable desktop operation
- Maximum breaking force of 1,000 lbs.
- Proprietary graphing software & interface cable, for use with all Windows based operating systems
- Simple 2 button-operated LCD readout showing maximum force & deflection allows for both interfaced & standalone use
- Comprehensive user's manual & 20 day curriculum
- Mfr.'s 1-yr. warranty & tech support

Size 7"D x 19"W x 35"H. Weight 60 lbs. 120V.

**Includes** tensile testing adapter and 15 test samples.

**Shown w/computer, mouse & monitor, not included.**

Stk.	Mfr.	Price
<b>197801</b>	SSA1000KIT	<b>\$4,030.00</b>

### Tensile Specimen AMT

Stk.	Mfr.	Item	Price
<b>197811</b>	TS-A	Aluminum	<b>\$8.40</b>
<b>197812</b>	TS-B	Brass	<b>\$8.40</b>
<b>197813</b>	TS-S	Steel	<b>\$8.40</b>



### Tensile Tester

**Fischer** For testing of specimens that will require from 300 - 5,000 lbs. (+/- 1% Accuracy) of tensile load to cause fracture. Consisting of a load frame and a pumping system, the operator has precise control over the entire operation. Self-tightening grips accept up to 0.125" x 1.13" cross section, but the 5,000 lb. maximum load limits the largest specimen that can be tested (varies according to material strength). Provides digital readout of live & peak loads. Meets ASME, AWS Codes & MIL Standards. Calibration (ASTM E4) traceable to NIST Standards.

Tester 31"H x 7"W x 4"D. Pump 6"H x 4"W x 14"D. Weight 34 lbs.

Tester 31"H x 7"W x 4"D. Pump 6"H x 4"W x 14"D. Weight 34 lbs.

**Includes** hand-operated pump.

Stk.	Mfr.	Price
<b>405903</b>	TT2	<b>\$2,941.00</b>

## HOME PLANNING KITS



### Home Quick Planner

**Design Works Inc** Kit allows you to organize and change plans without having to draw and redraw your layout. Provides a full assortment of 1/4" scale, pre-cut, reusable, peel and stick symbols to place directly onto sketch or blue-print or to 5,600 sq. ft. floor plan grid. Add color and detail to each Quick Planner symbol to help visualize exactly how real item will look in the home.

**Includes** hundreds of furniture & architectural symbols, 5,600 sq. ft. floor plan, plus design notes & checklist to help design & evaluate plans.

Stk.	Mfr.	Price
<b>322300</b>	HQP	<b>\$23.80</b>



### 3-D Home Kit

**Design Works Inc** Build a 3-dimensional scale model of your design. Kit provides all materials to design floor plans and build a detailed 1/4" scale model of your design - up to 6,200 sq. ft. Use to improve design, save time and avoid costly mistakes.

**Includes** model building materials, hundreds of furniture & architectural symbols, instructions, floor plan grid, scale ruler & roof slope calculator & notes from a professional designer on how to plan & evaluate designs.

**Requires scissors or X-Acto knife, metal straight edge & white glue or tape, sold separately.**

Stk.	Mfr.	Price
<b>322302</b>	3-DHK	<b>\$28.50</b>



### Young Architect Kit

**Slinky** Create 3-dimensional models in 3 easy steps. Design a floor plan using room templates, furnish floor plan using the floor guide and colored pencils and build a 3-dimensional model on top of your floor plan. Reusable design and building set for the aspiring young architect. For ages 10+.

**Includes** 9 room templates, 6 large pieces of tracing paper, 3 furniture guides, acrylic wall and blocks, sheet of peel and stick doors and windows, 18" x 24" acrylic work mat & 4 colored pencils.

Stk.	Mfr.	Price
<b>621550</b>	08701	<b>\$87.50</b>

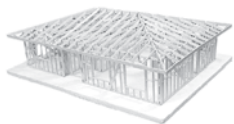
## MODEL BUILDING

### House Framing Kits

**Midwest Products** These 3/4" scale model house framing kits provide all necessary materials for students to construct their own house. They learn the fundamentals of house framing & develop a strong sense of accomplishment when they finish their house. Students will learn to:

- Identify lumber by size, name & use in the wood frame
- Frame according to accepted building codes
- Understand & relate floor plan to framed structure
- Appreciate the importance of accuracy
- Define & use carpentry terms

**Each kit includes** 3/4" scale working drawings, instructions, micro-cut balsa wood, cutting tools, measuring tape, layout pencil, nails, custom miter jig & a work base that doubles as a foundation for the completed model.



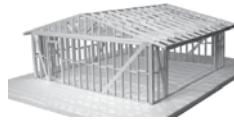
### 1-Story Hip Roof House

**Midwest Products** Model has 2 bedrooms, bathroom, kitchen, hallway, dining room, living room.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478520</b>	100-IC	816	6-12	<b>\$98.90</b>

**Refill Kit Includes** foam base, micro-cut balsa wood & nails.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478521</b>	R-100-IC	816	6-12	<b>\$80.00</b>



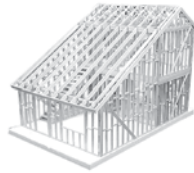
### 2-Car Garage

**Midwest Products** Truss roof structure.

Stk.	Mfr.	Grade Level	Price
<b>478526</b>	102-IC	6-12	<b>\$98.90</b>

**Refill Kit Includes** foam base, micro-cut balsa wood & nails.

Stk.	Mfr.	Grade Level	Price
<b>478527</b>	R-102-IC	6-12	<b>\$80.00</b>



### 2-Story Town House

**Midwest Products** Completed model has kitchen, bedroom, living room, 1-1/2 bathrooms and staircase. Kit combines conventionally-framed and balloon-framed walls (vaulted ceiling). Roof is framed with trusses and conventional rafters. Second story construction

uses floor joists and sub-floor sheathing.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478532</b>	105-IC	730	6-12	<b>\$98.90</b>

**Refill Kit Includes** foam base, micro-cut balsa wood & nails.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478533</b>	R-105-IC	730	6-12	<b>\$80.00</b>



### A-Frame Cabin

**Midwest Products** One bedroom A-frame cabin with spiral stairway, living room, bathroom, kitchen, bedroom and loft.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478524</b>	101-IC	588	6-12	<b>\$98.90</b>

**Refill Kit Includes** foam base, micro-cut balsa wood & nails.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478525</b>	R-101-IC	588	6-12	<b>\$80.00</b>



### Truss Roof House

**Midwest Products** Completed model has 2 bedrooms, bathroom, kitchen, hallway, dining room and living room.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478530</b>	104-IC	816	6-12	<b>\$98.90</b>

**Refill Kit Includes** foam base, micro-cut balsa wood & nails.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>478531</b>	R-104-IC	816	6-12	<b>\$80.00</b>



### Country House Kit

**Matchitecture** An easy and exciting construction technique, simply cut and glue microbeams together, according to the plans.

Each model is built with wood sticks called microbeams, which are cut, stuck and joined according to detailed plans and by following the step-by-step instructions. Every part of the construction is assembled directly on the acetate sheet provided. Intermediate skill level. For ages 12+.

**Includes** 2,180 microbeams, cutting tools, templates & instructions.

Stk.	Mfr.	Price
<b>513000</b>	MATCH6623	<b>\$50.40</b>

### Wood Building Kits

**Education Models** Students also learn basic construction mathematics. 1" : 1' scale. Each kit includes materials, templates & instructions.



#### Garage Kit

**Educational Models** Building on the basics learned in the Utility Building Kit, the Garage Kit covers constructing doors, windows, trusses, and more.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>380701</b>	201	384	6+	<b>\$68.40</b>



#### Home Kit

**Educational Models** This advanced construction kit will challenge students as they explore the more complicated aspects of building a

house from the foundation to the gable end. In addition to basic construction information, students will learn various math concepts.

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>380702</b>	301	886	6+	<b>\$152.00</b>



#### Utility Building Kit

**Educational Models** Students learn basic construction concept while creating a utility building

Stk.	Mfr.	Sq. Ft.	Grade Level	Price
<b>380700</b>	101	64	6+	<b>\$31.40</b>

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Sarah Cruz ext. 3120  
scruz@midwesttechnology.com

### MICRO-CUT SCALE LUMBER

#### Basswood

**Bud Nosen** Select basswood strips cut to very close tolerances. Softwood has wonderful carving characteristics, yet is strong enough to hold the shape of intricate designs. Use for architectural or engineering models. Easy-to-cut and shape with hand or machine tools. Glues well and finishes easily with latex paint or polyurethane.

#### Quantity Savings!

#### Wood Strips

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
<b>196076</b>	3001-50PK	1/32" x 1/16" x 24"	50	<b>\$9.00</b>	<b>\$8.10</b>
<b>196065</b>	3151-50PK	1/16" x 1/16" x 24"	50	<b>\$7.20</b>	<b>\$6.48</b>
<b>536500</b>	3152-60PK	1/16" x 3/32" x 24"	60	<b>\$9.72</b>	<b>\$8.75</b>
<b>196074</b>	3153-50PK	1/16" x 1/8" x 24"	50	<b>\$9.00</b>	<b>\$8.10</b>
<b>536502</b>	3154-45PK	1/16" x 3/16" x 24"	45	<b>\$10.60</b>	<b>\$9.50</b>
<b>196073</b>	3155-50PK	1/16" x 1/4" x 24"	50	<b>\$13.50</b>	<b>\$12.20</b>
<b>536504</b>	3157-28PK	1/16" x 3/8" x 24"	28	<b>\$10.60</b>	<b>\$9.52</b>
<b>536505</b>	3158-24PK	1/16" x 1/2" x 24"	24	<b>\$11.30</b>	<b>\$10.20</b>
<b>536362</b>	3202-60PK	3/32" x 3/32" x 24"	60	<b>\$10.80</b>	<b>\$9.72</b>
<b>196066</b>	3253-50PK	1/8" x 1/8" x 24"	50	<b>\$9.00</b>	<b>\$8.10</b>
<b>536510</b>	3255-30PK	1/8" x 1/4" x 24"	30	<b>\$9.18</b>	<b>\$8.26</b>
<b>196068</b>	3255-50PK	1/8" x 1/4" x 24"	50	<b>\$15.30</b>	<b>\$13.80</b>
<b>536511</b>	3257-20PK	1/8" x 3/8" x 24"	20	<b>\$9.36</b>	<b>\$8.42</b>
<b>196070</b>	3257-50PK	1/8" x 3/8" x 24"	50	<b>\$23.40</b>	<b>\$21.10</b>
<b>536395</b>	3258-15PK	1/8" x 1/2" x 24"	15	<b>\$9.18</b>	<b>\$8.26</b>
<b>196067</b>	3258-50PK	1/8" x 1/2" x 24"	50	<b>\$30.60</b>	<b>\$27.60</b>
<b>196071</b>	3268-50PK	1/8" x 5/8" x 24"	50	<b>\$34.20</b>	<b>\$30.80</b>
<b>536428</b>	3259-12PK	1/8" x 3/4" x 24"	12	<b>\$8.86</b>	<b>\$7.97</b>
<b>196069</b>	3259-50PK	1/8" x 3/4" x 24"	50	<b>\$36.90</b>	<b>\$33.30</b>
<b>536364</b>	3354-36PK	3/16" x 3/16" x 24"	36	<b>\$10.40</b>	<b>\$9.32</b>
<b>536513</b>	3357-20PK	3/16" x 3/8" x 24"	20	<b>\$11.60</b>	<b>\$10.50</b>
<b>536514</b>	3358-15PK	3/16" x 1/2" x 24"	15	<b>\$10.00</b>	<b>\$9.00</b>
<b>536365</b>	3455-20PK	1/4" x 1/4" x 24"	20	<b>\$9.36</b>	<b>\$8.43</b>
<b>196078</b>	3455-50PK	1/4" x 1/4" x 24"	50	<b>\$23.40</b>	<b>\$21.10</b>
<b>536515</b>	3457-16PK	1/4" x 3/8" x 24"	16	<b>\$9.22</b>	<b>\$8.30</b>
<b>536516</b>	3458-12PK	1/4" x 1/2" x 24"	12	<b>\$9.08</b>	<b>\$8.17</b>
<b>536366</b>	3557-15PK	3/8" x 3/8" x 24"	15	<b>\$11.40</b>	<b>\$10.30</b>
<b>536367</b>	3658-10PK	1/2" x 1/2" x 24"	10	<b>\$10.80</b>	<b>\$9.72</b>

#### Wood Blocks

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
<b>536377</b>	3843	2" x 2" x 12"	1	<b>\$2.20</b>	<b>\$1.98</b>
<b>536378</b>	3847	2" x 4" x 12"	1	<b>\$4.76</b>	<b>\$4.28</b>
<b>536379</b>	3849	2" x 6" x 12"	1	<b>\$7.00</b>	<b>\$6.30</b>

#### Wood Sheets

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
<b>536368</b>	3163-15PK	1/16" x 3" x 24"	15	<b>\$15.20</b>	<b>\$13.70</b>
<b>536369</b>	3213-15PK	3/32" x 3" x 24"	15	<b>\$17.60</b>	<b>\$15.80</b>
<b>536374</b>	3263-15PK	1/8" x 3" x 24"	15	<b>\$20.00</b>	<b>\$18.00</b>
<b>536375</b>	3363-10PK	3/16" x 3" x 24"	10	<b>\$15.20</b>	<b>\$13.70</b>
<b>536376</b>	3463-10PK	1/4" x 3" x 24"	10	<b>\$17.50</b>	<b>\$15.80</b>

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### Balsa Wood

**Bud Nosen** Select Triple A Grade balsa wood strips cut to very close tolerances. Use for aircraft, architectural and engineering models. Light, but very strong wood is easy-to-cut and shape with hand tools, sanding blocks and X-Acto® style blades. Sand lightly for a velvet feel. Glues well and finishes easily with water-based paints or varnishes.

**Quantity Savings!**

#### Wood Strips

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
536380	1011-60PK	1/16" x 1/16" x 36"	60	\$12.00	\$10.80
536397	1012-57PK	1/16" x 1/8" x 36"	57	\$12.60	\$11.30
536461	1014-30PK	1/16" x 1/4" x 36"	30	\$8.40	\$7.56
536463	1015-28PK	1/16" x 3/8" x 36"	28	\$9.52	\$8.57
536398	1016-24PK	1/16" x 1/2" x 36"	24	\$10.60	\$9.50
196092	102224-100PK	3/32" x 3/32" x 24"	100	\$17.40	\$15.60
196091	1022-50PK	3/32" x 3/32" x 36"	50	\$13.00	\$11.70
196085	104324-100PK	1/8" x 1/8" x 24"	100	\$17.40	\$15.70
536477	1044-36PK	1/8" x 3/16" x 36"	36	\$10.80	\$9.72
536382	1043-36PK	1/8" x 1/8" x 36"	36	\$9.36	\$8.45
196082	1043-50PK	1/8" x 1/8" x 36"	50	\$13.00	\$11.70
536399	1045-30PK	1/8" x 1/4" x 36"	30	\$10.80	\$9.72
196084	1045-50PK	1/8" x 1/4" x 36"	50	\$18.00	\$16.20
536400	1046-20PK	1/8" x 3/8" x 36"	20	\$6.80	\$6.12
196087	1046-50PK	1/8" x 3/8" x 36"	50	\$20.00	\$18.00
536401	1047-15PK	1/8" x 1/2" x 36"	15	\$7.80	\$7.02
196083	1047-50PK	1/8" x 1/2" x 36"	50	\$26.00	\$23.40
196088	1050-50PK	1/8" x 5/8" x 36"	50	\$29.40	\$26.50
196086	1048-50PK	1/8" x 3/4" x 36"	50	\$35.00	\$31.50
536383	1054-25PK	3/16" x 3/16" x 36"	25	\$8.50	\$7.65
536482	1056-15PK	3/16" x 3/8" x 36"	15	\$7.50	\$6.75
536483	1057-12PK	3/16" x 1/2" x 36"	12	\$7.20	\$6.48
196081	107524-100PK	1/4" x 1/4" x 24"	100	\$35.10	\$31.60
536384	1075-20PK	1/4" x 1/4" x 36"	20	\$8.84	\$7.96
196080	1075-50PK	1/4" x 1/4" x 36"	50	\$26.00	\$23.40
536490	1076-15PK	1/4" x 3/8" x 36"	15	\$10.20	\$9.18
536402	1077-12PK	1/4" x 1/2" x 36"	12	\$8.40	\$7.56
536403	1211-6PK	1" x 1" x 36"	6	\$16.20	\$14.60

#### Wood Blocks

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
536392	1713	1" x 1" x 12"	1	\$1.12	\$0.99
536405	1723	1" x 2" x 12"	1	\$2.06	\$1.85
536407	1733	1" x 3" x 12"	1	\$2.98	\$2.68
536406	1731	1/2" x 3" x 12"	1	\$1.66	\$1.49
536393	1725	2" x 2" x 12"	1	\$3.14	\$2.80
536408	1735	2" x 3" x 12"	1	\$4.62	\$4.16
536394	1736	3" x 3" x 12"	1	\$7.00	\$6.30

#### Wood Sheets

Stk.	Mfr.	W x Thick. x L	Qty.	Price	5 or more
536404	1130-20PK	1/32" x 3" x 36"	20	\$22.40	\$20.20
536385	1131-20PK	1/16" x 3" x 36"	20	\$22.80	\$20.60
536417	1142-20PK	1/16" x 4" x 36"	20	\$35.60	\$32.10
536386	1132-20PK	3/32" x 3" x 36"	20	\$26.40	\$23.80
536387	1133-20PK	1/8" x 3" x 36"	20	\$33.20	\$29.90
536418	1144-15PK	1/8" x 4" x 36"	15	\$36.30	\$32.70
536388	1134-10PK	3/16" x 3" x 36"	10	\$19.60	\$17.70
536389	1135-10PK	1/4" x 3" x 36"	10	\$24.60	\$22.20
536414	1146-10PK	1/4" x 4" x 36"	10	\$39.80	\$35.90
536390	1137-5PK	3/8" x 3" x 36"	5	\$15.00	\$13.50
536416	1148-5PK	3/8" x 4" x 36"	5	\$26.40	\$23.80
536391	1231-5PK	1/2" x 3" x 36"	5	\$20.70	\$18.70
536415	1241-5PK	1/2" x 4" x 36"	5	\$38.50	\$34.70

### Density-graded Balsa Wood Strips

**Midwest Products** Use for aircraft, architectural and engineering model building.

Stk.	Mfr.	Density	Avg. Mass/Stick	W x Thick. x L	Qty.	Price
536303	390	Light	1.22 grams	1/8" x 1/8" x 36"	100	\$46.00
536304	391	Medium	1.36-1.63 grams	1/8" x 1/8" x 36"	100	\$46.00
536305	392	Hard	1.81 grams	1/8" x 1/8" x 36"	100	\$46.00

## TOOLS & SUPPLIES

### Model & Hobby Cement

**Elmer's** Convenient and fast-drying, sets in 30 seconds with a strong, invisible bond. Ideal for all plastic-to-plastic bonds, including polystyrene model plastic. Water resistant, will not shrink, low odor and paintable. For indoor use.



Stk.	Mfr.	Size	Price
257800	E1013	1 oz.	\$3.73

### Tacky Formula Modeling Glue

**Midwest Products** Flows easier from bottle for no waste. White glue is nontoxic & has no objectionable odors. For aviation, structures & transportation models.



Stk.	Mfr.	Size	Qty./Pkg.	Price
536310	362	1 oz.	24	\$25.00
536311	361	4 oz.	1	\$3.93

### Craft Bond Tacky Glue

**Elmer's** Durable, clear-drying wet tack glue offers long-lasting bond and post-drying flexibility. Glue won't run and is ideal for multi-purpose craft projects involving porous and semi-porous materials (not for photos, bare metal, submerged, heated surfaces, or outdoors). Easy water cleanup. Safe and non-toxic.



Stk.	Mfr.	Size	Price
257350	E430	4 oz.	\$2.35

### Scale Lumber Gauge

**Midwest Products** Quickly, accurately identify and size scale lumber. Includes built-in strip identification gauges in model railroad gauges O, HO and N. Also features a 12" ruler with



1/16" increments on one side and 30cm ruler on the other side in 1mm increments.

Stk.	Mfr.	Price
536356	1124	\$6.75

### Hobby & Craft Square

**Midwest Products** Versatile tool features ruler, 90° square, strip ID gauge (1/16" to 1/2"), dowel/tubing ID gauge (1/16" to 1/4"), protractor (5° increments) and quick-align stop rail.



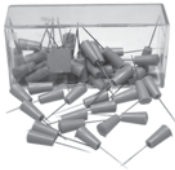
Stk.	Mfr.	Size	Price
536355	1123	4"	\$5.63
536422	1137	6"	\$6.75



**Map Tacks**

**Moore** Brightly colored, spherical-head map tack assortment. 1/8" head, 5/16" point.

Stk.	Mfr.	Qty.	Price
<b>196366</b>	M100A	50	<b>\$4.86</b>



**Grip Pins**

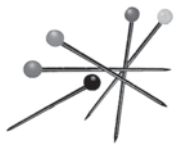
**Midwest Products** Easy-grip tapered barrel body. Wide shoulder eliminates "cross-pinning." Extra long stainless pin shaft allows assemblies to be built on top of each other. Larger size minimizes pin loss.

Stk.	Mfr.	Qty.	Price
<b>544003</b>	587	50	<b>\$5.94</b>



**T-Pins**

Stk.	Mfr.	Length	Qty.	Price
<b>196015</b>	PIN125	1-1/2"	35	<b>\$6.85</b>
<b>196016</b>	PIN130	1-3/4"	40	<b>\$6.85</b>
<b>614319</b>	189-24	1-1/2"	450	<b>\$15.50</b>
<b>614320</b>	189-32	2"	350	<b>\$15.50</b>



**Color Ball Pins**

**Alvin** Easy to grip, easy to find and have an extra long shaft.

Stk.	Mfr.	Length	Qty.	Price
<b>196022</b>	PIN135	1-1/4"	100	<b>\$6.17</b>

**Easy Cutters**

**Midwest Products** Fast and accurate for cutting small wood strips to length. Easy-to-use cutter has alignment angle plate. Cutter eliminates the need for expensive, intimidating power tools.

- Cut 1/2" square basswood strips or 1" wide sheets; model aircraft longerons & cap strips to length

- Die-cast alum. alignment angle plate w/English & metric marks
- Built-in protractor to easily cut 45°, 60°, 90°, 105° & 120° angles
- High carbon steel blade double-ground & heat-treated to stay sharp
- Safety latch keeps blade out of the way when not in use
- Comfort textured grips makes cutting easier on your hands

Stk.	Mfr.	Price
<b>536357</b>	1126	<b>\$18.40</b>

**Super Easy Cutter** Smaller & more compact for use by students w/ smaller hands. Cuts strips up to 1/4" T.

Stk.	Mfr.	Price
<b>536427</b>	1128	<b>\$16.20</b>

**Easy Cutter Ultimate** Fast and accurate, tool features self-indexing, movable fence with preset angles. Cuts strip wood up to 1/2". Accurately cuts angles in seconds. Adjustable fence w/7 popular angles (45° to 135°). No-slip rubber grip and safety lock handle.

Stk.	Mfr.	Price
<b>536353</b>	1134	<b>\$22.70</b>

**Replacement Blade** Fits Easy Cutters 1126 & 1134.

Stk.	Mfr.	Price
<b>536358</b>	AC1126-R	<b>\$12.40</b>



**Handi-Cut Utility Cutter**

**Craftsman** Super sharp stainless blades slice through a wide range of materials. Rugged alloy steel frame with integrated in-handle blade storage. Ergonomically shaped handle equipped with vinyl grips. Mfr.'s lifetime warranty.

**Includes** blade.

Stk.	Mfr.	Item	Price
<b>305750</b>	37301		<b>\$24.80</b>
<b>305745</b>	37253	Replacement Blades, 5/pkg.	<b>\$9.36</b>

**Multi-Purpose Utility Cutter**

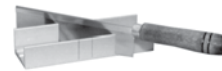


**Master Mechanic** Molded comfort grip with blade storage in the handle. Uses standard utility blades.

**Includes** 5 blades.

Stk.	Mfr.	Price
<b>943291</b>	GSTV1112	<b>\$13.90</b>

**Razor Saw & Aluminum Miter Box Set**



**Zona** Great for model and miniature making. Use for smooth, extra-fine cuts in balsa and other wood, plastic, copper or brass.

Stk.	Mfr.	Item	Blade	TPI	Thickness	Price
<b>613842</b>	35-550	Saw	6-1/2"	42	.010"	<b>\$8.80</b>
<b>613846</b>	37-240	Miter Box				<b>\$19.10</b>
<b>613843</b>	35-241	Saw & Miter Box				<b>\$24.00</b>

**Easy Miter Box w/Saw**



**Midwest Products** Keep cutting material firmly in place with 3 unique cam clamps and work bench lip. Easily cut material up to 2" wide and 1/2" thick at 45°, 22-1/2°, 30° and 60° angles.

Stk.	Mfr.	TPI	Price
<b>536322</b>	1136	32	<b>\$13.50</b>

**Miter Trimmer**



**Robert Larson** Make perfect miter cuts on stock up to 4" and when squaring stock up to 6". Both right and left cuts can be made at angles between 45° and 90°. The ground base surface and 2 razor sharp knives offer controlled shaving and leave a glass smooth finish in the stock.

Stk.	Mfr.	Price
<b>768878</b>	800-3500	<b>\$404.00</b>

**No. 5 Heavy-Duty Knife**

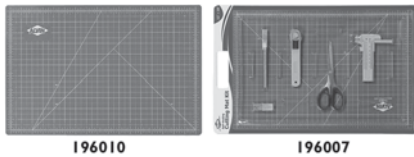


**X-Acto** Contoured handle for sure grip. Supplied with No. 19 blade for precise, heavy-pressure cutting of heavyweight material.

Stk.	Mfr.	Handle	Price
<b>477585</b>	X3205	4-1/4" Plastic	<b>\$6.23</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!





**Cutting Mats & Kit**

**Alvin** Self-healing, reversible 3mm thick mats. Durable composite vinyl material, for use with rotary and straight utility

blades, can be cut without showing cutting lines.

Printed grid pattern includes guide lines for 45° and 60° angles and 1/2" grid lines (*mats 24" x 36"+ & above have horz. & vertical graduated marks*). Fully-numbered edges are graduated with 1/8" marks extending beyond zero baseline. Non-stick surface is impervious to abrasions and liquid spills. Black on 1 side, green on the other (*gridded on both*).

Stk.	Mfr.	Size	Price
<b>196006</b>	GBM0812	8-1/2" x 12"	<b>\$5.04</b>
<b>196010</b>	GBM1218	12" x 18"	<b>\$9.90</b>
<b>196011</b>	GBM1824	18" x 24"	<b>\$16.70</b>
<b>196012</b>	GBM2436	24" x 36"	<b>\$31.70</b>

**6-Piece Kit Includes** mat, artist's knife w/spare blade, 7" scissors, rotary cutter & circle cutter w/spare blades.

Stk.	Mfr.	Size	Price
<b>196007</b>	GMK818	12" x 18"	<b>\$39.70</b>



**Cutting Mat & Knife**

**X-Acto** Portable cutting solution. Protects work surface from the nicks and cuts from blades and cutting tools.

**Includes** a #1 knife & cutting mat.

Stk.	Mfr.	Size	Price
<b>476988</b>	X7768	4" x 7-1/2"	<b>\$11.20</b>

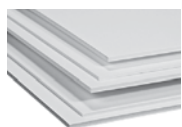


**Cellfoam 88™**

**Midwest Products** Extruded, closed-cell polystyrene foam sheets are lighter than Balsa and tougher than foam board. Use for "foamie" models, craft projects and architectural models.

Consistent, smooth flat surface without paper liners. Accepts most paints (*water-based, enamels & latex*), most adhesives (*epoxy, foam-safe CA, water based & polyurethane*) and can be sanded.

Stk.	Mfr.	Size	Qty.	Price
<b>536595</b>	5920	11-1/2" x 11-1/2" x 1/8"	4	<b>\$5.44</b>
<b>536596</b>	5921	11-1/2" x 11-1/2" x 3/16"	3	<b>\$5.44</b>
<b>536597</b>	5922	11-1/2" x 11-1/2" x 3/8"	2	<b>\$5.44</b>



**White Foam Board**

**Elmer's** For mounting, framing, silk screening and more. Resilient polystyrene cores ensure a clean precise cut with mat cutter, rabbet cutter or utility knife. Ideal for dry or vacuum mounting (*from 180° to 220°F*). Boards resist warping, denting and crushing.

Bonds easily with fabrics, paper and many other materials.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>196377</b>	90109	20" x 30" x 3/16"	25	<b>\$102.00</b>
<b>196379</b>	90105	24" x 36" x 3/16"	25	<b>\$143.00</b>
<b>196378</b>	90510	30" x 40" x 3/16"	25	<b>\$196.00</b>



**Wax Paper**

**Reynolds** Protect table tops and other surfaces from glue and paint.

Stk.	Mfr.	Size	Price
<b>543663</b>	330	12" x 75'	<b>\$3.25</b>



**#8 Lightweight Retractable Utility Knife**

**X-Acto** Multi-purpose knife makes precise cuts through paper, mat board, foam board, delicate fabrics, sheet metal, plastic and more.

**Includes** 1 blade.

Stk.	Mfr.	Price
<b>477588</b>	X3208	<b>\$2.49</b>

**#8 Lightweight Utility Knife Blades X-Acto** Fits #8 Lightweight Retractable Utility Knife Mfr. X3208.

Stk.	Mfr.	Qty.	Price
<b>476810</b>	X208	5	<b>\$3.24</b>



**Rabbet Cutter**

**FoamWerks** Create perfect adjoining joints. Dual-blade action creates 1-stroke finished results. Use with right or left hand. Features ergonomic handle and on-board blade storage.

**Includes** 2 blades.

Stk.	Mfr.	Price
<b>536588</b>	WC4010	<b>\$15.10</b>

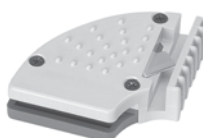


**Straight/Bevel Cutter**

**FoamWerks** Features adjustable blade depth, ergonomic handle and on-board blade storage. Works with 3/16" (5mm) foam board and can be used with any suitable straight edge. Transform from a straight cutter to a bevel cutter by rotating the angled base block.

**Includes** 2 blades.

Stk.	Mfr.	Price
<b>536585</b>	WC6010	<b>\$15.10</b>



**90° Rabbet Cutter**

**Alvin** Use on foam board to make perfect 90° corners and eliminate the exposure of internal foam. For use on all 3/16" foam boards. Ideal for model makers. Uses single edge razor blades.

Stk.	Mfr.	Price
<b>196148</b>	RB316	<b>\$16.40</b>

**Single Edge Razor Blades Master Mechanic** Fits all standard razor blade tools. Made of high-carbon surgical steel. Each blade is protected in shelling paper.

Stk.	Mfr.	Qty.	Price
<b>943279</b>	741330	10	<b>\$2.21</b>
<b>942846</b>	521013	100	<b>\$8.55</b>



**Safe-T-Cut Straightedge**

**Alvin** Ensure safe, accurate cutting with this unique vertical hardened aluminum straight-edge. Ideal for studio, shop or classroom use. The precision-rule edge is graduated in inches (1/16) and centimeters (1mm) for easier-than-ever trimming. Extra-wide 3-1/2" base

with nonskid rubber backing helps prevent slipping and accidental cuts. Convenient hanging ring.

Stk.	Mfr.	Length	Price
<b>196194</b>	SE12	12"	<b>\$35.90</b>
<b>196195</b>	SE18	18"	<b>\$43.50</b>

# FISCHERTECHNIK

## STEM Labs

STEM Lab Programs are a standards-based curriculum involving inquiry, design and problem solving, especially developed for use with the Fischertechnik construction system. These programs were created by Tom White, Distinguished Educator and STEM Program Designer.

Project Themes:

- Sketching & Documentation
- Energy Conversion Systems
- Introduction to Control Systems
- Simple Machines
- Basic Electricity
- Introduction to Energy & Power
- Conversion & Storage of Energy
- Human/Machine Collaboration
- Mechanisms
- Mobile Robotics



### Middle School Energy, Power, Robotics

**Fischertechnik Includes** over 160 different types of components (859 pieces in all) including gears, sensors, actuators, blocks, panels, motors, axles, wheels, a photocell, gearboxes, lights, an electronic magnet, encoder motors &

I ROBO TX Controller interface unit with a power supply, plus all assembly instructions, ROBO Pro Programming Software & complete curriculum.

Stk.	Mfr.	Price
<b>406100</b>	519340	<b>\$895.00</b>



### High School

**Fischertechnik Includes** over 200 different types of components (1,186 pieces in all) including gears, sensors, blocks, panels, motors, axles, wheels, compressors, pneumatic parts, gearboxes, switches, lights, an electronic magnet, encoder motors &

I ROBO TX Controller interface unit with a power supply, plus all assembly instructions, ROBO Pro Programming Software & complete curriculum.

Stk.	Mfr.	Price
<b>406101</b>	519341	<b>\$995.00</b>

## Science & Technology PROFI Sets

**Fischertechnik Profi sets** are an ideal way to explore many important aspects of STEM Education. These sets help to provide the technicians of tomorrow with a hands-on learning experience in the areas of mechanics, statics, pneumatics, physics, simple machinery, electronics and renewable energies. These sets are widely used in middle and high schools as well as in colleges and universities across the globe. Each set comes with both full color instructions, as well as a black and white, multi-language teaching and activity guide. Recommended for age 9+.



### Mechanic + Static

**Fischertechnik** The ideal introduction to fundamentals of engineering and construction for all future mechanical engineers. The areas of dynamics, statics, gears, structure, and bracing are all addressed as students learn by building models that illustrate the principles behind these concepts.

This set will help students to answer questions such as:

- How does a gear box work?
- How is the movement of a windshield wiper produced?
- How do you design a stable bridge?
- What is a planetary gear?
- ...and much more

**Includes** 500 components for building 30 different models, instruction booklet, mini motor, switch & battery tray.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>406055</b>	93291	<b>\$152.00</b>

## Pneumatic



**Fischertechnik** Educational construction set helps students learn the principles behind pneumatics and uses realistic models (8 total) to demonstrate how compressors, pneumatic valves and cylinders work. Powerful and compact compressor guarantees a reliable supply of compressed air to the models.

**Includes** 360 components, plus a compressor, 4 pneumatic cylinders, four 4/3-way manual valves, activity booklet & battery holder (for 9V block batteries).

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>406085</b>	516185	<b>\$168.00</b>

## Oeco Energy



**Fischertechnik** How can ecological electric power be produced? "Renewable energies" will become our most important suppliers of energy in the future. Production, storage and use of electricity from natural energy sources such as water, wind and the sun are graphically illustrated using various models and numerous experiments.

These 2 solar modules not only guarantee more power; the many attachment possibilities ensure flexible use in the models. The Gold Cap included for power storage can release the stored power at a slower rate. This helps student understand energy forms of the future.

**Includes** 10 models (built one at a time), 320 parts, plus instructional booklet, solar motor (2V), 2x solar modules (1V; 400 mA), Gold Cap power storage device (2,7V/25 F), LED & on/off switch.

**This set can be combined with the Fuel Cell Kit (Mfr. 520401) to allow you to build additional models & operate them with a fuel cell.**

Stk.	Mfr.	Price
<b>406120</b>	520400	<b>\$158.00</b>



## Fuel Cell Kit

**Fischertechnik** How does a fuel cell work and how does it generate hydrogen? Kit brings this technology of the future directly into the classroom and provides answers to these and other questions!

**Includes** instructional booklet, reversible fuel cell with integrated hydrogen storage unit & solar module (1V, approx. 400 mA).

Stk.	Mfr.	Price
<b>406121</b>	520401	<b>\$121.00</b>

**Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.**

## Robotics & Programming

**Fischertechnik** Robotics and Programming line allows you to construct fully functional robotic models, then program them with your Windows based computer and the easy-to-use ROBO Pro graphic software. These sets are also widely used schools and universities.



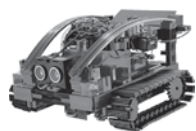
### Robotics LT Beginner Set

**Fischertechnik** With over 200 components and the aid of sensors (phototransistor, mini-switches) and actuators (XS motor, indicator lights), students can construct 12 easy-to-understand models such as a hand dryer, stamping

machine, lighthouse with blinking light, merry-go-round or automatic sliding door. The controller has 3 inputs for sensors, 2 outputs for motors or indicator lights and a USB interface for simultaneous power supply. The Pro Light software makes quick programming easy. The detailed didactic activity booklet supports the learning process for children making programming easy to understand. For 8+.

**Includes** didactic activity booklet, ROBO LT Controller (USB interface/ USB power supply), software ROBO PRO Light, XS motor, 2x light, lens tip lamp, phototransistor & 2x switch.

Stk.	Mfr.	Price
<b>406135</b>	524370	<b>\$221.00</b>



### ROBO TX Explorer

**Fischertechnik** The ideal set for robotic competitions. Explore unknown areas, measure distances, follow trails, show driving directions by means of blinking signals, recognize colors, measure temperatures, avoid obstacles without

touching them, recognize day and night, turn headlights on and off automatically, trigger an alarm and more.

**Includes** 400 components to construct 6 models, plus 2 encoder motors, 3 indicator lights, buzzer, optical color sensor & an IR Trail Sensor & construction booklet.

**Requires ROBO TX Controller, ROBO Pro Software and Accu Set (all sold separately).**

Stk.	Mfr.	Price
<b>406070</b>	508778	<b>\$264.00</b>



### Robot TX Kit

**Fischertechnik** Learn about true industrial robotics. This set provides you with instructions and materials for building 4 reality-based and fully functional industrial simulation robots, including a high-rack storage robot, 3-axis robot and 2 other grappler robots. Stable and sturdy

aluminum channels are used in all models. The instructional activity booklet provides support in the form of background information, projects and programming tips. For ages 10+.

**Requires ROBO TX Controller, ROBO Pro software & either Accu Set or Energy Set to perform all functions (each sold separately).**

Stk.	Mfr.	Price
<b>406080</b>	511933	<b>\$305.00</b>



### ROBO Pro Software

**Fischertechnik** Easy to use programming software. Beginners can quickly begin programming through the use of simple flow charts consisting of various software building blocks. The exchange of information can be done through variables and graphical connections as well. This allows the program functions to be displayed in a clear and understandable manner.

The graphic programming language ROBO Pro provides all the key elements of a modern programming language, such as arrays, functions, recursions, objects, asynchronous events and quasiparallel processing, making it a useful tool even for professional programmers. Programs are translated directly into machine language for efficient execution of even the most complex programs. Even advanced programmers will find that ROBO Pro knows no limits. With ROBO Pro, it's easy to write teach-in programs or exchange data with other Windows software.

Compatible with Windows XP, Vista & 7.

Stk.	Mfr.	Price
<b>406058</b>	93296	<b>\$45.40</b>



### Robotics TXT Discovery Set

**Fischertechnik** Complete Robotics Set with 310 parts, controller and software for control of mobile and stationary robot models. Transfer images via USB or WiFi, color recognition, line tracing and motion recognition. The controller features a color 2.4" touch display, combined WLAN/Bluetooth

module, micro SD card slot, IR receiver diode, integrated loud speaker, 4 motor outputs, 8 digital/analog inputs and 4 high speed numerical inputs. With the ROBO Pro software it is possible to program apps for controlling the models with a smartphone/tablet PC (presently for android). Additional sensors and actuators such as encoder motors, XS motor, mini-switches, NTC resistors, phototransistors and LED's allow construction of mobile rover vehicle, surveillance stations, alarm centers and more. Preprogrammed modules are provided for beginners.

**Includes** ROBOTICS TXT Controller, software ROBO Pro, USB camera (1 MP), 2 encoder motor, XS motor, 2 LED's, 2 switches, phototransistor & NTC resistor.

Stk.	Mfr.	Price
<b>406130</b>	524328	<b>\$549.00</b>

### Robotics TXT Controller

**Fischertechnik** Controller is easy to operate with the color 2.4" touch display. Combined Bluetooth/WiFi RF module provides a wireless interface for numerous applications. Interfaces also include a USB host port. Integrated Micro SD card slot allows expansion of memory capacity. Controllers can be coupled. Visit our website for more information.

**Requires Accu Set or Power Set, sold separately.**

Stk.	Mfr.	Price
<b>406125</b>	522429	<b>\$406.00</b>



### Accu Set NiMH Battery & Charging Unit

**Fischertechnik** Ideal for powering mobile models. Battery charger with microcontroller for reliable protection from overcharge. Very short recharging time, maximum 2 hours. High-powered NiMH Accu Pack with short-circuit protection, 8.4V/1500 mAh. 120V/60Hz.

Stk.	Mfr.	Price
<b>406030</b>	57487	<b>\$108.00</b>

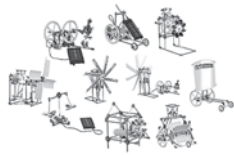
Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

## K'NEX

**STEM K'NEX** Sets focus on science, technology, engineering and mathematics concepts taught through problem-solving, discovery, exploratory learning and critical thinking. It requires students to be active participants in the learning.

Dynamic K'NEX models offer hands-on learning opportunities that encourage scientific inquiry, investigation and experimentation. Models are fully-functioning replicas of real-world machines/structures enabling students to relate the concepts to the world they live in. Color-coded building instructions allow students of varying levels to participate and succeed.

Teacher guides, with inquiry-based lessons, challenge students as they build, investigate, problem solve, discuss, and evaluate scientific and design principles in action. The lessons include objectives, activities, key concepts, journals and worksheets, everything you need to introduce the concepts and assess what the students have learned. Teacher guides are aligned to National Science, Technology, Engineering and Math standards, including Common Core Mathematics and Next Generation Science Standards.



### Renewable Energy

**K'NEX** Students generate electricity to operate models as they compare/contrast the power and efficiency of wind-, solar- and water-powered machines.

3 groups of students work simultaneously on projects of real-world significance learning

about issues impacting the future. Builds 9 models, 3 at a time. Supports 6 - 12 students working in teams.

**Includes** 550 pieces, solar cell (1.38V - 500mA), 3 motors w/power cords, energy storage capacitor, building instructions, comprehensive Teacher's Guide w/inquiry-based lesson plans & background information, plus plastic storage tub.

Stk.	Mfr.	Grade Level	Price
<b>498726</b>	78976	5-9	<b>\$162.00</b>



### Exploring Wind & Water Energy

**K'NEX** Go green and bring STEM concepts to life. Designed to address critical science, technology and engineering concepts in the middle school classroom and provide instructional models that will enhance students' understanding of these important concepts. Build 6 renewable energy models, 2 at a time. Supports 1-2 students working as a team.

**Includes** 288 pieces, building instructions, Teacher's guide & molded storage tub w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498731</b>	77051	5-9	<b>\$78.70</b>



### Investigating Solar Energy

**K'NEX** Learn how to harness the energy of the sun into electricity to power K'NEX models. Builds 3 models, 2 at a time. Teacher's Guide provides guidance to the teacher as they present a comprehensive STEM experience for their students. Students will be given a specific

problems, ask questions and conduct research using fair and consistent testing procedures, chart and analyze their data, refine solutions through feedback from their designs, and communicate their results.

**Includes** 128 pieces, solar panel, motor, building instructions, Teacher's guide & storage tub w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498732</b>	77075	5-9	<b>\$78.70</b>



### Intro to Simple Machines: Levers & Pulleys

**K'NEX** Build 8 different replicas of real-world models, one at a time. Set includes building instructions with real-life photos and key facts for each model. Models demonstrate 1st, 2nd and 3rd class levers along with fixed, movable

and combination pulley systems. Supports 2 - 3 students working as a team.

**Includes** 178 pieces, Teacher's guide CD & plastic storage case w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498762</b>	78610	3-5	<b>\$41.80</b>



### Intro to Simple Machines: Wheels, Axles & Inclined Planes

**K'NEX** Build 7 different replicas of real-world models, one at a time. Models demonstrate how a wheel and axles turn, 2 levels of inclined planes, plus screw and wedge. Supports 2 - 3 students working as a team.

**Includes** 221 pieces, Teacher's guide & molded case w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498763</b>	78620	3-5	<b>\$41.80</b>



### Intro to Simple Machines: Gears

**K'NEX** Build 7 different replicas of real-world models, 1 at a time. Demonstrate 2 spur gear, 2 crown gear and 2 sprocket gear examples. Supports 2 - 3 students working as a team.

**Includes** 198 pieces, Teacher's guide CD & molded storage tray w/movable dividers & lid.

Stk.	Mfr.	Grade Level	Price
<b>498764</b>	78630	3-5	<b>\$41.80</b>



### Exploring Machines

**K'NEX** Build 30 fully-functioning replicas of real-world machines, up to four at a time! Models demonstrate: levers, pulley systems, wheels and axles, inclined planes and more. Supports 8-12 students working in teams.

**Includes** 1,432 pieces, Teacher's guide, plus molded storage tray w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498761</b>	78600	5-9	<b>\$183.00</b>



### Simple Machines Deluxe

**K'NEX** Students build 60 fully-functioning machine models that highlight mechanical principles and relate to the real world. Set uses discovery-based problem solving challenges to investigate machine operation, form and function, plus work performed. Supports 10 - 15

students working in teams.

**Includes** 3,447 K'NEX rods, connectors, pulleys, tires, strings, gears, 12V motor & adapter, 1 of each Simple Machine Educator Guide (for levers, pulleys, wheels & axles, gears & inclined planes), 57 comprehensive lesson plans, bonus parts & instructions to build the Big Ball Factory (a 4' tall Rube Goldberg complex machine).

Stk.	Mfr.	Grade Level	Price
<b>498835</b>	79520	3-9	<b>\$347.00</b>



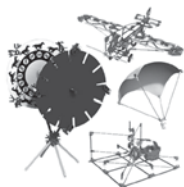
### Forces, Energy & Motion

**K'NEX** The racer set curriculum is organized as a series of objectives achieved through classroom discussion and laboratory exercises. Students investigate potential and kinetic energy, and identify the differences between energy associated with position and condition.

An exciting, hands-on opportunity to address fundamental physical science concepts. Build 11 models, up to 4 at a time. Supports 12- 16 students working in teams.

**Includes** 442 K'NEX rods & connectors, 2 battery motors, 2 flywheel motors, 4 transparent spring motors, 80-page Educator Guide w/8 extensive lesson plans, 7 inquiry-based lesson plans etc. w/Teacher's Guide & plastic storage tub w/dividers.

Stk.	Mfr.	Grade Level	Price
<b>498767</b>	78790	5-9	<b>\$144.00</b>



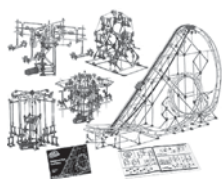
### Energy, Motion & Aeronautics

**K'NEX** Students to investigate a variety of concepts related to Newton's Laws and aeronautics. These concepts include aeronautics as it applies to force and motion as well as the effects on individuals who work and live in space.

The teacher's guide follows a modified version of the 5E instructional model – Engage, Explore, Explain, Elaborate, and Evaluate. Students will use the Scientific Inquiry and the Engineering Design Processes extensively throughout the lessons as they explore, create, invent, and innovate. Lessons include worksheets, key terms, design briefs, design challenges, research and design logs, and rubrics. Supports 6 - 9 students working in teams.

**Includes** 1,430 K'NEX pieces, building instruction booklets, comprehensive teacher's guide w/9 lessons, student worksheets & answer sheet.

Stk.	Mfr.	Grade Level	Price
<b>498850</b>	79621	5-9	<b>\$169.00</b>



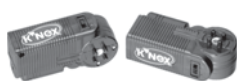
### Amusement Park

**K'NEX** Build 13 classic amusement park rides including a roller coaster with clothoid loop, carousel, ferris wheel, pirate ship (*classic pendulum*), scrambler, swing and boom rides, plus half pipe and inclined plane ramp system (with circular loop).

Explore gearing options for rotating rides. Build at least one roller coaster model at a time, or build any 2 of the smaller rides simultaneously. Models are compatible with data logging sensors from Vernier, Pasco and Texas Instruments. Support 6 - 8 students working as teams.

**Includes** 2,264 K'NEX pieces, building instructions plus CD of add'l. instructions, 78-page teacher's guide w/11 lesson plans & 3 storage trays w/ movable dividers & lids.

Stk.	Mfr.	Grade Level	Price
<b>498721</b>	78890	5-9	<b>\$278.00</b>



### Motor Pack

**K'NEX** Battery-powered motors turn concept models into technology at work. Build, investigate, and experiment with motorized models

that have constant speeds and continuous operation. Build 2 models with different gearing systems and operate them side-by-side to observe the effects of each system.

**Includes** 2 motors.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Grade Level	Price
<b>498725</b>	78910	3+	<b>\$26.70</b>



### Computer Control

**K'NEX** Dynamic STEM set challenges students to build and control models using the Computer Control interface.

• Builds 5 models, one at a time

- Write programs to control on-screen models using the software included, then download into the interface's memory & use to operate the models
- Interface can control up to 2 motors, 6 output devices (*buzzers, bulbs, LEDs*) & 4 input devices (*push button switches, reed switches, light switches, etc.*) simultaneously
- Models are fully functioning replicas of a Sliding Door, Elevator, Bascule Bridge, Oscillating Fan & Super Spinner Ride
- Compatible with interactive whiteboards

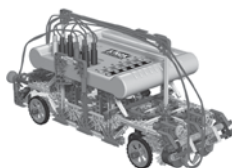
• PC Compatible

Key Concepts include:

- Design process/Engineering design process
- Systems & organization
- Communication of mathematical thinking
- Forces, energy & motion, troubleshooting & optimization
- Exploratory learning & more!

**Includes** 699 K'NEX pieces, computer control interface & software, 2 motors, 3 LEDs, 1 buzzer, 2 push button switches, 2 reed switch, 4 magnets, building instructions, student challenges & teacher guide, plus storage container.

Stk.	Mfr.	Grade Level	Price
<b>498785</b>	79018	4-6	<b>\$540.00</b>



### STEM Explorations

**K'NEX** Modules are hands-on, cooperative activities providing stimulating inquiry and problem solving through design.

With the software, interface, various input/output devices, motors, rods and connectors, students will experience problem solving in

design and automation using programming, construction techniques, and devices to help them understand how to program and operate computer controlled devices. Build 9 computer controlled models, 1 at a time.

**Includes** 820 K'NEX parts, interface & software (*with site license*), motors, push button switches, reed switches, a buzzer & LEDs, plus storage container.

Stk.	Mfr.	Grade Level	Price
<b>498722</b>	79118	5-9	<b>\$540.00</b>

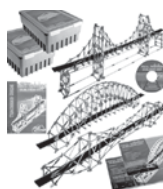


### Introduction to Structures: Bridges

**K'NEX** Build 13 different bridge models, 1 at a time. Demonstrates beam, truss, arch, cantilever, suspension, cable-stayed and movable/bascule. Supports 2-3 students.

**Includes** 207 pieces, Teacher's guide CD & molded storage case w/lid.

Stk.	Mfr.	Grade Level	Price
<b>498766</b>	78640	3-5	<b>\$41.80</b>



### Real Bridge Building

**K'NEX** A versatile, adaptable, reusable and fun bridge-building alternative. Students will discover the history and benefits of each bridge type, plus test load capability, strength and stability.

Set builds seven 5-6' long replicas of real world bridges, 2 at a time. The greatest flexibility for

hands-on experiences in bridges or architecture curriculum. Support 6 - 8 students working as a team.

**Includes** 2,282 K'NEX rods, connectors, pulleys, hubs & strings, Educator Guide & 2 plastic storage tubs.

Stk.	Mfr.	Grade Level	Price
<b>498765</b>	78680	5-9	<b>\$196.00</b>

## HEAT TRANSFER PRESSES



### Digital Knight 14" x 16" Clamshell

**Geo Knight** Economical, business-grade digital press opens for full access to the lower bottom table. Teflon-coated 3/4" heat platen back raises above and away from the bottom table for wide access.

The solid steel frame allows shirts to slide over the table with complete drape around and under the loading area. Portable, heavy-duty machine (83 lbs.) is ideal for rooms with space limitations.

- Digital features include temperature control (32°-600°F), automatic timer, dual pre-press timer & pressure bar graph
- SuperCoil-Microwinding™ heater w/indicator light
- Records number of completed pressing cycles
- Temperature readout accuracy +2°F (displays °C or °F)
- Self-lifting gas-spring
- Selectable end-of-cycle alarms
- Extreme high-pressure capability
- Hardened, high-strength pivot points
- Mfr.'s warranty: heat platen (lifetime), control (3-yr.), entire press (1-yr.)

Stk.	Mfr.	Heat Area	Price
<b>967584</b>	HFCGKCL14	14" x 16"	<b>\$1,244.00</b>



### JetPress 12" x 14" Swinger

**Geo Knight** Print any computer image (photo, clip art, artwork, lettering, web image) to Inkjet2T Transfer Paper using an inkjet printer. Then, place it onto a T-shirt, mouse pad, cap or most any absorbent material via the heat press machine.

Easy-to-use JetPress Portable printing press features a solid steel welded frame, silicone pad pressing surface, smooth swing-away action and adjustable height (for items over 1" T).

- Adjustable temperature control (over 400°F)
- Heat indicator light
- Digital countdown timer w/alarm
- 1-yr. mfr.'s warranty

Stk.	Mfr.	Heat Area	Price
<b>967582</b>	HFSGKJPI4	12" x 14"	<b>\$738.00</b>



### Digital Knight 4" x 7" Cap Press

**Geo Knight** Printing the front face of any sized headwear. Unique hold-down device pulls the rear strap of the headwear down against the pressing surface, holding the cap in place. 1-yr. mfr.'s warranty.

- Fully digital temperature control 32°- 600° F range
- Automatic digital timer & dual pre-press timer
- 70 programmable presets
- Records number of pressing cycles done

Stk.	Mfr.	Heat Area	Price
<b>967553</b>	DK7	4" x 7"	<b>\$804.00</b>

**Transfer Paper Welsh** Easy-to-peel, no-stick transfers w/superior color reproduction. Washable, contains no solvents. For Epson, Canon, HP & other non-thermal inkjets.

Stk.	Mfr.	Qty.	Price
<b>967555</b>	D2J2T8-10	10	<b>\$13.70</b>
<b>967556</b>	D2J2T8-50	50	<b>\$65.00</b>

**White T-shirts Welsh** Hanes Stedman cotton heavyweight shirts.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>967562</b>	ITHW-S	Small	12	<b>\$90.70</b>
<b>967563</b>	ITHW-M	Medium	12	<b>\$90.70</b>
<b>967564</b>	ITHW-L	Large	12	<b>\$90.70</b>
<b>967565</b>	ITHW-XL	X-Large	12	<b>\$90.70</b>

**Mouse Pads Welsh**

Stk.	Mfr.	Color	Size	Qty.	Price
<b>967566</b>	IRM4	White	1/4" x 7-1/2" x 9-1/4"	100	<b>\$326.00</b>

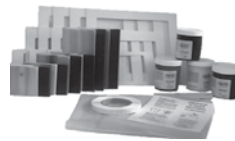
## SCREEN PRINTING



### Introductory Thermal Kit

**Welsh Includes** 20 Thermal Screen Sheets, 70 mesh (8-3/4" x 11"), 4 oz. Versatex water-based screen printing inks (1 ea. black, red, blue, yellow, green, orange), 12 reusable plastic frames (4 full, 4 half, 4 quarter size), 3 squeegees (1 ea. full, half, quarter size), 1 roll screen-mounting tape (1/4" x 60 yds.), 1 plastic spatula & instructions.

Stk.	Mfr.	Price
<b>967507</b>	TKII	<b>\$252.00</b>



### Deluxe Thermal Kit

**Welsh Includes** 40 Thermal Screen Sheets, 70 mesh (8-3/4" x 11"), 4 pints Versatex water-based screen printing inks (1 ea. black, red, blue, yellow), 16 reusable plastic frames (4 full, 6 half, 6 quarter size), 6 squeegees (2 ea. full, half, quarter size), 1 roll screen-mounting tape (1/4" x 60 yds.), 1 plastic spatula & instructions.

quarter size), 1 roll screen-mounting tape (1/4" x 60 yds.), 1 plastic spatula & instructions.

Stk.	Mfr.	Price
<b>967508</b>	TKDI	<b>\$414.00</b>

### Versatex Water-Based Screen Printing Ink

**Welsh** Make permanent prints on T-shirts, banners, tote bags, buttons, posters, greeting cards, etc. Brilliant, blendable colors are nontoxic, fast drying & wash fast after heat-setting.

Stk.	Mfr.	Color	Size	Price
<b>967569</b>	T3P	Black	16 oz.	<b>\$15.80</b>
<b>967570</b>	T3P	Blue	16 oz.	<b>\$15.80</b>
<b>967571</b>	T3P	Brown	16 oz.	<b>\$15.80</b>
<b>967572</b>	T3P	Light Green	16 oz.	<b>\$15.80</b>
<b>967573</b>	T3P	Dark Green	16 oz.	<b>\$15.80</b>
<b>967574</b>	T3P	Magenta	16 oz.	<b>\$15.80</b>
<b>967575</b>	T3P	Orange	16 oz.	<b>\$15.80</b>
<b>967576</b>	T3P	Bright Red	16 oz.	<b>\$15.80</b>
<b>967577</b>	T3P	Dark Red	16 oz.	<b>\$15.80</b>
<b>967578</b>	T3P	Turquoise	16 oz.	<b>\$15.80</b>
<b>967579</b>	T3P	Violet	16 oz.	<b>\$15.80</b>
<b>967580</b>	T3P	White	16 oz.	<b>\$15.80</b>
<b>967581</b>	T3P	Yellow	16 oz.	<b>\$15.80</b>

**Screen Mounting Tape Welsh** Double-sided for mounting thermal screens to frames

Stk.	Mfr.	Size	Price
<b>967511</b>	T4T	1/4" x 60 yds.	<b>\$17.90</b>

**Reusable Plastic Frames Welsh** For mounting screens.

Stk.	Mfr.	Size	Price
<b>967513</b>	T4FF	Full (7-3/4" x 10-1/2")	<b>\$5.17</b>
<b>967514</b>	T4FH	Half (4-7/8" x 7-1/2")	<b>\$3.13</b>
<b>967515</b>	T4FQ	Quarter (3-3/4" x 4-7/8")	<b>\$2.38</b>

**Contoured Squeegees Welsh**

Stk.	Mfr.	Size	Price
<b>967547</b>	T4SQF	Full (7-3/8"W)	<b>\$19.90</b>
<b>967548</b>	T4SQH	Half (4-3/8"W)	<b>\$14.60</b>
<b>967549</b>	T4SQQ	Quarter (3-3/8"W)	<b>\$12.50</b>

## VINYL CUTTERS



### Stika Desktop Cutters

**Roland** Easy-to-use, affordable, versatile vinyl cutters produce colorful POP displays, labels and iron-ons. Bundled CutStudio™ software lets students create larger signs, then tile them into smaller sections for cutting. Allows tiling of

up to 16 designs. Software repositions, rotates, mirrors and enlarges images while maintaining the original quality. Cut TrueType fonts without outlining. Simple to use, just print registration marks on graphics with your desktop printer, load the printed graphics into the cutter, set the position of the registration marks with the Stika driver, and make professional-looking graphics.

Interface - USB 1.1, compatible w/Windows 98 SE/ME/2000/XP & Mac OS 9 or later. All offer plug-&-play capabilities.

**Includes** AC adapter, power cord, USB cable, replaceable blade protector, blade w/blade holder, pin, material & application tape for test cuts, Roland Software Package CD-ROM (w/CutStudio design software, plug-ins for Corel-Draw 10, 11, 12 & Adobe Illustrator 9, 10, CS, Stika Windows Navi utility) & manual.

**Accepts PVC or label material of 0.004" or less. Total material thickness w/backing of 0.012" thickness or less.**

**Size 13-3/8"W x 8-1/8"D x 4-1/2"H. Weight 4.9 lbs.**

Stk.	Mfr.	Media Width	Max. Cutting Area	Cutting Speed	Price
<b>769591</b>	SV-8	8-7/16"	6-1/4"W x 39-5/16"L	40 mm/sec.	<b>\$563.00</b>

**Size 17-3/8"W x 8-1/8"D x 4-1/2"H. Weight 6 lbs.**

<b>769592</b>	SV-12	12"	9-13/16"W x 39-5/16"	40 mm/sec.	<b>\$702.00</b>
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**Size 20-5/8"W x 8-1/8"D x 4-1/2"H. Weight 7.3 lbs.**

<b>769593</b>	SV-15	12" / 15"	13-3/8"W x 39-5/16"L	100 mm/sec.	<b>\$966.00</b>
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### CAMM-1 Desktop Vinyl Cutter

**Roland** Equipped with a completely redesigned cutting and blade holder, the GS-24 offers greater stability and a 39.5% increase in downforce (from 250g to 350g). Cut like never

before on thick, dense substrates, vehicle graphics, signs and decals, decorated apparel, specialty graphics, and more.

CutStudio™ software allows you to quickly, easily, and effectively enlarge, reduce, reposition, rotate, and mirror images. The GS-24 also cuts oversized images using an improved tiling function, and cuts true type fonts without the need for outlining. Supports BMP, JPG, STX, AI, and EPS file formats, as well as the ability to cut directly from Adobe Illustrator or Corel Draw.

- Innovative, digital servo motor offers exceptional precision
- Overlap cutting (up to 10x), for cutting thicker media like magnetic materials & card stock
- Perforated cutting function makes it easy to create labels & decals ready for individual sale
- Efficiently cuts up to 20" per-second, providing maximum productivity
- Mfr.'s 3-yr. warranty

Size 33.9"W x 12.56"D x 9.17"H Weight 29.77 lbs.

**Includes** AC adapter, power cord, blade, blade holder, roller base, alignment tool, USB cable, Roland CutStudio software & set up guide.

**See our website for software requirements.**

Stk.	Mfr.	Media Width	Max. Cutting Area	Cutting Speed	Price
<b>769598</b>	GS-24	2" to 27-1/2"	22.9"W x 984.25"L	19.69"/sec.	<b>\$1,956.00</b>

## VINYL CUTTER ACCESSORIES

### Stika Signmaking Starter Kit

#### Ordway

**Includes:** 4 rolls of MacTac vinyl (1 ea. black, white, red & blue @ 12" x 11'), high-carbine plotter blade, 45° blade for vinyl cutting plotters, 12" x 100' application tape, retractable snap-off blade cutter, Ordway weeding tool, Ordway weeding tweezers, Lil Chizler, 5" Ordway squeegee, 4 oz. bottle application fluid, 4 oz. bottle adhesive remover, 1" rivet brush & 2 replacement retractable cutter blades.

Stk.	Mfr.	Price
<b>835860</b>	8300-KIT	<b>\$178.00</b>

### MACal 8300pro Vinyl

**MacTac** A general purpose signage film for flat to slightly curved surfaces. 2.8 mil. cadmium-free high gloss vinyl w/up to 5 yrs. outdoor life. Coated w/durable, permanent acrylic, pressure-sensitive adhesive. Good dimensional stability & excellent cutting & weed ability. 83# white kraft liner has excellent stability & layflat w/yellow backprinting.

#### 8" x 33'

Stk.	Mfr.	Color	Price
<b>835800</b>	8359-00-8	Medium Red	<b>\$27.70</b>
<b>835801</b>	8339-00-8	Medium Blue	<b>\$27.70</b>
<b>835802</b>	8389-00-8	Black	<b>\$26.60</b>
<b>835803</b>	8305-00-8	Yellow	<b>\$27.70</b>
<b>835804</b>	8329-01-8	White	<b>\$26.60</b>
<b>835805</b>	8349-00-8	Medium Green	<b>\$27.70</b>
<b>835806</b>	8359-12-8	Burgundy	<b>\$27.70</b>
<b>835807</b>	8301-00-8	Orange	<b>\$27.70</b>
<b>835808</b>	8379-00-8	Gold	<b>\$35.00</b>

#### 12" x 33'

Stk.	Mfr.	Color	Price
<b>835815</b>	8359-00-12	Medium Red	<b>\$35.00</b>
<b>835816</b>	8339-00-12	Medium Blue	<b>\$35.00</b>
<b>835817</b>	8389-00-12	Black	<b>\$33.30</b>
<b>835818</b>	8305-00-12	Yellow	<b>\$35.00</b>
<b>835819</b>	8329-01-12	White	<b>\$33.30</b>
<b>835820</b>	8349-00-12	Medium Green	<b>\$35.00</b>
<b>835821</b>	8359-12-12	Burgundy	<b>\$35.00</b>
<b>835822</b>	8301-00-12	Orange	<b>\$35.00</b>
<b>835823</b>	8379-00-12	Gold	<b>\$44.00</b>

#### 15" x 33'

Stk.	Mfr.	Color	Price
<b>835830</b>	8359-00-15	Medium Red	<b>\$35.00</b>
<b>835831</b>	8339-00-15	Medium Blue	<b>\$35.00</b>
<b>835832</b>	8389-00-15	Black	<b>\$33.30</b>
<b>835833</b>	8305-00-15	Yellow	<b>\$35.00</b>
<b>835834</b>	8329-01-15	White	<b>\$33.30</b>
<b>835835</b>	8349-00-15	Medium Green	<b>\$35.00</b>
<b>835836</b>	8359-12-15	Burgundy	<b>\$35.00</b>
<b>835837</b>	8301-00-15	Orange	<b>\$35.00</b>
<b>835838</b>	8379-00-15	Gold	<b>\$44.00</b>

### Appli-Tape 4075

**MacTac** Standard-grade paper application tape. Releases clean & easy. High tolerance to humid environments. Excellent for plotter & thermal die cuts of all size decals.

Stk.	Mfr.	Size	Price
<b>835845</b>	4075-8	8" x 100 yds.	<b>\$53.60</b>
<b>835846</b>	4075-14	14" x 100 yds.	<b>\$93.70</b>

## LASER TECHNOLOGY & EQUIPMENT



### Digital Photometer

**Industrial Fiber Optics** Measures power levels of laser beams, demodulating optical signals for audio applications and solar experiments. Offers 4 scale measurements from 20 microwatts to 20 milliwatts. Battery power, portability and adjustable detector height offers flexibility.

Analog output to 2 banana jacks is a conditioned electrical voltage that is directly proportional to light incident upon the photodetector with a frequency range up to 10 kHz. This allows it to be connected to a strip chart recorder for solar monitoring, oscilloscope for observing time-dependent optical signals or to an amplified speaker for voice transmission. Meter will also act as an audio receiver to demodulate laser signals.

- 4 ranges
- All solid state detector & electronic design
- Calibrated at 632.8 Nm
- Sensitive to visible & IR light

**Includes** metal optical stand, manual, two 9V batteries & case.

Stk.	Mfr.	Price
<b>535610</b>	IFPM	<b>\$252.00</b>



### Laser Communication Kits

**Industrial Fiber Optics** Versatile laser with very wide electrical modulation capacity and digital audio jack (*w/low 100 Hz for laser audio communication experiments*) and RF video jack (*w/70 Mhz for simultaneous transmission of color*

*video picture & sound*) allow students to perform dynamic optical communication demonstrations:

- Voice communication
- AM/FM radio transmission
- Video from camcorder
- RF video from VCR or DVD player
- Digital line-of-sight computer links

Laser can also conduct regular laser, optics and fiber optic experiments showing the properties of:

- Tyndall's light-guiding-in-water experiments
- Critical angle determination in materials
- Perimeter security using laser beams
- Convergence/divergence of lenses
- Speed of light measurement
- Light shows
- Light polarization
- Refraction & reflection
- Brewster's angle measurements

**Visit our website for more information.**

**Includes** highly-linear 0.8 mW 635 nm Class II diode lab laser, optical RF video receiver, interconnecting cables, power adapters & manual.

**Video Project** Demonstrate TV picture and sound transmitted over a laser beam.

Stk.	Mfr.	Price
<b>535611</b>	IF-UL08-635X	<b>\$510.00</b>

**Communication Kit** Laser project capable of demonstrating the versatility of data transmission with light. *Also includes microphone, AM/FM radio, patch cords & audio receiver.*

Stk.	Mfr.	Price
<b>535612</b>	IF-UL08-635Y	<b>\$600.00</b>



### Student Lab Starter Set

**Industrial Fiber Optics** Contains all the lenses and optic accessories necessary to perform a large number of demonstrations and student labs.

**Includes** Helium-neon Laser, Hard-seal, Class II 0.8 mW (ML810) Photometer, 8-range (45-230) Laser Optics Lab (45-600).

Stk.	Mfr.	Price
<b>543830</b>	MW45-810	<b>\$964.00</b>



### Laser Optics Lab

**Industrial Fiber Optics** Laser optics lab contains more than 30 optical parts and accessories. With the lab components and instructions, students can:

- Measure wavelength of light using techniques of Young, Michelson & Lloyd
- Constrict optical levers to detect & measure movements so small they are almost imperceptible to the human eye
- Test a lens for defects, collimate light & check vision
- Capture light in an arcing water jet or a glass fiber & investigate fiber optics phenomena
- View a hologram, observe interference rings & measure the diffraction patterns with a ruler
- Determine index of refraction of a liquid or transparent solid by measuring bend in intense laser beam as it enters or leaves material
- Investigate reflection, refraction & critical angle
- Study characteristics of light: wavelength, interference, diffraction & polarization

**Includes** optics bench system (*metal component carriers that attach magnetically to steel optical table*), 3 lenses, 4 mirrors, coated beam splitter, triangular prism, beam spreader, air wedge, transmission hologram, diffraction mosaic, diffraction grating, fiber optics light guide, pair of glass interference plates plus polarizing & color filters, plus 68-page manual.

Stk.	Mfr.	Price
<b>535620</b>	45-600	<b>\$191.00</b>

### Helium-neon Lasers



**Industrial Fiber Optics** Provides 20,000 hours of continuous operation. For individual student lab work or hands-on group demonstrations. Rugged extruded aluminum housing contains laser tube and all power supply

components. Has standard 1/4" camera-type threaded hole in bottom for tripod or optical bench mounting. Threaded optics mount over front aperture to facilitate mounting lenses, filters or collimators. Slide shutter over front aperture blocks beam without having to shut off power (*as required by US CDRH*).

- Rear end cap w/power switch & indicator lamp, fuse holder & line cord w/3-prong grounded plug
- Hard-seal laser tube ensures long, dependable life
- Solid-state power supply mounted on printed circuit board
- Labels & safety features to meet all US CDRH regulations
- Shock-resistant mountings
- Full-length rubber strips along bottom

**Class II Laser 0.5 mW** Ideal for individual work in the student laboratory or for group demonstrations. Power requirements: 105-125VAC, 30 watt.

Stk.	Mfr.	Optical Output Power	Price
<b>535540</b>	ML800	.05 mW	<b>\$468.00</b>

**Class II Laser 0.8 mW** Same as ML800 but w/output power of 0.8 mW. Beam is visible in bright or semi-darkened room of average size, but to see fine details in diffraction pattern or make holograms or precise intensity measurements of laser output, a relatively dark room is suggested.

Stk.	Mfr.	Optical Output Power	Price
<b>535547</b>	ML810	.08 mW	<b>\$480.00</b>

**Class IIIA Laser 2.0 mW** For shorter exposure times in holography, better fringe visibility for interferometry, greater irradiance for long distance communications & for large area illumination. Excellent beam power stability w/less than 5% variance after warm up.

Stk.	Mfr.	Optical Output Power	Price
<b>535555</b>	ML820	2.0 mW	<b>\$399.00</b>



## WIND ENERGY



### STEM Plus 4V3 Turbine Competition Kit

**Picoturbine** Takes learning to the next level by adding competition to the equation. Each interface allows up to 4 alternating power sources to be compared at one time. Using a PC, students see real time data comparison of

RPM's and power output of their alternators.

- Works seamlessly w/PicoTurbine Savonius V3 Wind turbine kit
- Students learn what helps or hinders alternator efficiency through trial & error

**Includes** STEM Plus interface & 4 PicoTurbine SavoniusV3 Wind turbines, 1 cable & 1 CD.

Stk.	Mfr.	Price
<b>681510</b>	PVSI	<b>\$240.00</b>



### Savonius Model Wind Turbine V3 Kit

**Picoturbine** Kit is a fully functioning miniature vertical windmill. Users learn how S-foil wind blades capture energy from any direction. They build an alternator that uses magnetic induction to produce electrical current. Ideal for science fair projects and classroom demonstrations.

- Injection molded base & frame
- Produces approximately 1.5-6.0V/50mA at wind speeds of 12 mph
- For ages 10 & up

**Includes** sets of recycled plastic s-foils, disc & blades, 4 ceramic grade-five magnets & pre-wound 4 (220)-turn copper coils.

Stk.	Mfr.	Size	Price
<b>681520</b>	PWV3	8"H x 5.7"W x 5.7"D	<b>\$43.80</b>

### SKY-Z Horizontal Wind Turbines



**Picoturbine** Explore wind energy in this compact, innovative turbine design. Its features include 8" blades within a 3 or 6-blade hub with pitch angles, as well as 4 coils and 4 magnets to build and customize the generator. Turbine creates alternating current power. Built-in LED light helps to indicate the generated power.

26" blade to floor, 18" nose to floor, 6.2" base

**SKY-Z Includes** 4 types of rectification experiments, 3-blade hub & three 8" blades.

Stk.	Mfr.	Price
<b>681515</b>	PWH1	<b>\$78.00</b>

**SKY-Z Plus Includes** 4 types of rectification experiments, 6-blade hub & six 8" blades.

Stk.	Mfr.	Price
<b>681516</b>	PWH2	<b>\$97.50</b>

### Sky-Z Mini Turbine Basic DC

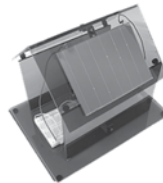
#### Picoturbine

- 20" tall wind turbine w/DC motor
- Max efficiency at 2,700 RPM's
- Power up to 1.2W
- Variable hub w/pitch angles
- Mfr.'s 1-yr. limited warranty

**Includes** set of six 6" blades, 6-blade hub & 6-24V DC motor.

Stk.	Mfr.	Price
<b>681565</b>	PWH16	<b>\$68.30</b>

## SOLAR POWER



### 54-in-1 Solar House Lab

**Chaney** Students create a model house made of Plexiglas and install an amorphous silicon glass solar panel to simulate how to harness the sun's energy. This kit will introduce students to basic technology and fundamental concepts used in common household devices such as lighting, thermostats, fire alarms

and burglar alarms. These technologies include solar panels, motors, fans, resistors, diodes, LEDs, switches, lamps and batteries.

Easy-to-follow pictorial diagrams will guide the student through 26 chapters containing a variety of activities and useful experiments along with fun and interesting facts relating to solar energy. Kit offers a hands-on approach that is applicable for use in grades 6 through college. No soldering or additional batteries required. Re-usable and safe to use. Beginner skill level.

**Includes** parts, components, wires, breadboard, solar panel & detailed instruction manual.

Stk.	Mfr.	Price
<b>301000</b>	C7041	<b>\$60.00</b>



### EcoStem Village Kits

**ECO CAD** Students build solar house kits and conduct simulated Power Grid experiments with solar panels, rechargeable batteries, LEDs, fans, water pumps, a 3-blade wind turbine and a remote controlled electric car. They connect multiple houses together in an electrical Power

Grid to simulate electrical blackouts and brownouts. It is a great way to have students assemble and wire each house to learn about renewable energy and how the real Power Grid works.

Each house supports up to 2 students. No cutting or trimming required. Assembly requires only a screwdriver. More houses and accessories can be added to the grid.

**Each kit includes** pre-cut, pre-drilled coroplast foundation, walls, ceiling & roof, 4 ceiling LEDs with attached wires, 3 AA rechargeable NiMH batteries w/battery holder & wires, 2 solar panels (6V 150ma) w/attached wires, ceiling motor-fan w/attached wires, aggregator circuit board (EV-AB) w/4 input & 4 output switches plus push terminals that accept wires from the components above & connectors for CAT5 cables on each end to attach the houses together into a power grid, CAT5 cable (3'L) w/attached 8-pin connectors on each end, mounting hardware (screws, angle brackets, etc.), USB Module (EV-USB), energy monitoring software classroom license (Windows), 6 hand held, battery operated 27 LED lights, 3 multi-function meters, 3-blade wind turbine, remote controlled, super-capacitor electric car, mini water pump, complete experiments, student exercises & teacher guide.

Stk.	Mfr.	Item	Price
<b>379850</b>	EV-COL	3 House Kit	<b>\$995.00</b>
<b>379851</b>	EV-HOUSE	1 House Kit	<b>\$249.00</b>



### Solar Deluxe Educational Kit

**Elenco** Solar power harnesses the sun's power with environmental-friendly D.I.Y. kit. A series of experiments teaches the basics of solar energy. They'll learn how to make electrical and solar circuits, how to increase voltage and current and how to use solar power to

produce energy for a radio, calculator, battery charger, a cassette player and more. For ages 10 & up.

**Includes** fan unit, musical unit, plastic lamp, DC motor, solar cell module w/stand, yellow plastic turntables (4 sizes), paper airplane & bird models, jumper, connecting wires, screwdriver, screws, nuts & assembly manual.

Stk.	Mfr.	Price
<b>390492</b>	SK-40	<b>\$24.20</b>



### Electricity Learning Kit

**Picoturbine** Solar Lab 1.0 demonstrates solar cell and electrical circuitry concepts. 9 step-by-step labs of easily understood experiments. Each lesson teaches introductory knowledge on solar cells as they integrate into circuits.

**Includes** manual, solar powered battery charger (batteries included), 7-function multimeter for circuitry testing and experimentation & high quality solar cells.

Stk.	Mfr.	Price
681530	PSL4	\$62.40



### Solar Power Kit

**Elenco** 150 challenging experiments teach students how to convert solar energy. They'll build a solar electric generator, motor, water heater, furnace, thermometer, crane and solar energy mobile. Unique experiments with color optics, electroplating, stroboscopes, thermodynamics and Moiré patterns.

**Includes** crane arm, diode, electrodes, galvanometer set, heat absorber bag, LED, magnifying glass, mirror, motor, plastic arm, jar w/lid, resistor, solar cell, test tube w/metal holder, thermometer, supplies & manual.

Stk.	Mfr.	Price
390288	EDU-8405	\$47.30



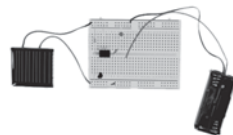
### Basic Solar Education Kit

**Picoturbine** Mini solar panel with motor and plastic fan for school projects and experimenting. Can be used indoors using a 100-150W bulb, from a distance of about 6-12".

Panel measures 2.5" x 3.5". Output 0.9V, approx. 400mA.

**Includes** solar cell, motor, fan & 3' wire.

Stk.	Mfr.	Price
681500	PSL1	\$20.80



### Solar Energy Experiment Kit

**Velleman** 10 fun solar powered projects. Projects include: LED, attention grabber, cricket, battery charger, garden light, musical instrument, IR remote tester, motion detector and alarm simulator. No soldering required.

**Includes** breadboard, micro controller & manual.

Stk.	Mfr.	Price
949040	EDU02	\$33.90



### Mini Lab Solar Energy Kit

**Slinky** A complete lab with solar collector, solar heater, energy focusing lens & thermometer. Conduct over 25 fun and safe sun-related experiments. Collect and measure energy using a variety of solar tools. For ages 8+.

**Includes** 9-piece solar energy lab & instruction booklet.

Stk.	Mfr.	Price
621497	02010	\$10.00



### 6-in-1 Educational Solar Kit

**OWI** Students learn the benefits of solar energy by creating fun, battery-free models. Beginner building kit shows how solar power drives a small motor. Snap-together parts build 6 different working models (car, dog, airplane, plane, windmill & revolving plane).

**Includes** 21 snap-together parts, solar panel (75mA), DC motor & manual.

Stk.	Mfr.	Price
390336	OWI-MSK610	\$26.40



### Solar Astronaut Robot Kit

**Picoturbine** Beginner's kit requires little to no previous knowledge of electronics to construct and operate. The instructions walk the users through the construction process of building this easy to use solar powered robot. 105 moving parts powered by solar cell or can switch to 1 AA battery. No soldering required. For ages 8+.

**Includes** solar cell, gears, shafts, motor & plastic body.

**Batteries not included, sold separately.**

Stk.	Mfr.	Price
681502	PSL6	\$25.60



### Super Solar Racing Car

**OWI** Easy-to-assemble and demonstrates alternative energy principles. No batteries and tools required and less than a dozen parts to assemble.

Stk.	Mfr.	Price
390265	OWI-MSK671	\$16.50

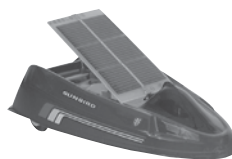


### Sonic F1 Solar Car Kit

**OWI** Dragster offers aerodynamics, transmission, speed and style for exciting racing. Green technology vehicle uses the sun to attain amazing speeds. Easy to build (just 8 parts!) and fun to compete.

**Includes** parts & solar cell (1.1V, 50mA).

Stk.	Mfr.	Price
390268	OWI-MSK674	\$21.90



### Photon Solar Racer Kit

**Elenco** Sleek solar car teaches students about solar energy and its conversion to useful applications. Paintable, clear plastic racer runs on a high efficiency solar cell. No soldering required.

Stk.	Mfr.	Price
390270	AK-590	\$35.10

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

We're experts when it comes to setting up your classroom, shop & lab. Call us at 800-831-5904.



### Solar Power Fun Racer

**Picoturbine** Ideal for learning the basics of solar cell technology and circuitry design. This beginner's kit requires little to no previous knowledge of electronics to construct and operate. The instructions walk the users through the construction process of building this easy to use solar powered racecar. No soldering required.

Stk.	Mfr.	Price
<b>681536</b>	PSL5	<b>\$25.60</b>



### T3 Transforming Solar Robot

**OWI** Easily transforms into 3 designs: Tank, Robot and Scorpion. Only basic building skills are required. For ages 9+.

**Includes** solar panel (75mA) & DC motor.

Stk.	Mfr.	Price
<b>390293</b>	OWI-MSK614	<b>\$25.70</b>



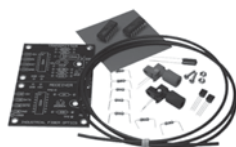
### Encapsulated Solar Cells

**Velleman** Polycrystalline solar cell for educational purposes.

**Includes** red & black lead wires.

Stk.	Mfr.	Volts	Current	Size	Price
<b>949230</b>	SOL1	0.5	400mA	1.8" x 2.8" x 0.2"	<b>\$6.96</b>
<b>949231</b>	SOL2	0.5	800mA	2.6" x 3.7" x 0.2"	<b>\$12.00</b>
<b>949232</b>	SOL3	1	200mA	1.8" x 3.0" x 0.2"	<b>\$7.80</b>

## FIBER OPTIC



### Educational Communication Kit

**Industrial Fiber Optics** Inexpensive kit examines fundamentals of fiber optic communication technology. Assemble and test digital fiber optic links. Construct high-voltage isolation for telephones, modems and computers. Kit is an easy-to-assemble, digital link for experimenting

and science projects. Soldering experience recommended for assembly.

**Includes** red LED & photodetector, one meter of optical fiber, printed wiring boards, polishing film, oscillator chip, electronic components & instruction booklet.

Stk.	Mfr.	Price
<b>535608</b>	IF-E22	<b>\$27.00</b>



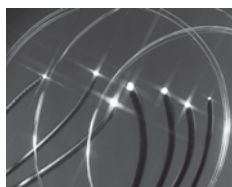
### Deluxe Fiber Assortment Kit

**Industrial Fiber Optics** A low-cost sampling of 12 or more different optical fiber optical materials or cable that would be expensive if purchased individually. Kit contains at least two pieces of fluorescent fiber, a glass coherent

light guide and a sample of the ulexite stone.

**Includes** lengths of glass fiber, jacketed & unjacketed plastic core materials, multi-fiber light guides & coherent fiber guide.

Stk.	Mfr.	Price
<b>535606</b>	IF-FGB2	<b>\$18.00</b>



### Optical Sample Kit

**Industrial Fiber Optics** Demonstrates fiber optic principles. Contains an assortment of fiber core diameters. These fiber lengths are commonly used in illumination projects as well as in model airplanes, model automobiles and small-scale railroad construction.

Stk.	Mfr.	Price
<b>535607</b>	IF-53883	<b>\$27.00</b>



### Optical Voice Link Kits

**Industrial Fiber Optics** Suitable for science projects, short audio fiber optic curriculums for schools, classroom demonstrations, hands-on industrial training and voice transmission in electrical isolation applications. No special tools or prior experience necessary. Link can be extended to 200'.

**Includes** printed wiring boards, switches, electronics, microphone, 8-ohm speaker, 9.8' fiber optic cable, & an uncomplicated tutorial & step-by-step assembly instruction manual.

**Requires two 9V batteries, sold separately.**

Stk.	Mfr.	Item	Price
<b>431832</b>	IF-OVL10-K	Ready-to-Assemble Kit	<b>\$70.50</b>
<b>431833</b>	IF-OVL10-A	Assembled Kit	<b>\$135.00</b>



### Fiber Optic Experiment Kit

**Industrial Fiber Optics** Ideal for designing experiments, original science projects and short-distance optical isolation applications.

**Includes** 3.3' (1 meter) of 1000 μm plastic optical fiber, matched LED & photodetector (IF E91A and IF D92, respectively) with integral fiber optic connectors, instructional design information & application hints.

Stk.	Mfr.	Price
<b>431829</b>	IF-E10	<b>\$9.45</b>



### Fiber Optic Minicourse

**Industrial Fiber Optics** This short course is intended as a supplement to other more general electronics classes. Class length is variable, to meet instructors' time constraints: 5 to 10 1-hour periods, plus two 2-hour experimental sessions.

The course begins with "The History of Fiber Optics", followed by sections describing fiber optic communications systems and their individual components. Also included are a list of additional reading references and a helpful fiber optic glossary. Experimental sessions involve students in assembling and testing a fully functional fiber optic digital communication link with separate transmitter and receiver modules.

No prior fiber optics experience or special tools are needed for assembly and demonstration.

**Includes** full-color classroom manual & kit containing all required electronic components, including printed wiring boards, fiber optic LED, photodetector & cable.

Stk.	Mfr.	Price
<b>431827</b>	IF-MC10	<b>\$51.00</b>

# NON-SOLDERING ELECTRONIC PROJECT KITS

**littleBits Kits** Kits consists of tiny circuit-boards with specific functions engineered to snap together with magnets. No soldering, no wiring, no programming, just snap together for prototyping, learning and fun. Each bit has a specific function (light, sound, sensors, buttons, thresholds, pulse, motors, etc.), and modules snap to make larger circuits.



### littleBits Base Kit

**littleBits** A fantastic foundation for a journey into creation and design. 10 color-coded Bits modules guarantee to keep curious minds engaged for hours. With over 150,000 possible circuit combinations, there's certainly nothing basic about the Base Kit. For ages 8+.

**Includes** DC motor, light sensor, button, power, bright LED, buzzer, bargraph, dimmer, 2 wires, motorMate, battery, cable, screwdriver & booklet.

Stk.	Mfr.	Price
<b>505100</b>	650-0119	<b>\$108.00</b>



### littleBits Premium Kit

**littleBits** Designed for those that crave creativity and includes everything you need to start designing and prototyping your own inventions. 14 color-coded Bits modules make over 600,000 possible circuit combinations! Look

forward to such favorites as the pressure sensor, vibrate motor and the all-new servo motor, a controllable motor that can swing back and forth.

**Includes** fan, slide dimmer, roller switch, branch, 2 long LEDs, power, pulse, vibration motor, 2 wires, pressure sensor, servo w/accessories, sound trigger, vibrateSnap, screwdriver, battery, cable & booklet.

Stk.	Mfr.	Price
<b>505101</b>	650-0120	<b>\$162.00</b>



### littleBits Classroom Kit

**littleBits** This set, customized for educators, contains 26 color-coded uniquely functioning modules that snap together magnetically to create larger circuits for prototyping, learning

and design challenges. Set is the ideal resource for STEM and STEAM (Science, Technology, Engineering, Art and Mathematics) teaching and learning. 1 Classroom set is perfect for 4 students working individually or 8 students working in pairs. For ages 8+.

**Includes** Base Exploration Kit, Premium Exploration Kit, 2 quick-start instruction booklets w/circuit & project ideas, 2 additional power bit modules, 2 9V batteries, cables & 2 screwdrivers.

Stk.	Mfr.	Price
<b>544856</b>	650-0011	<b>\$279.00</b>



### littleBits Space Kit

**littleBits** Designed in collaboration with NASA scientists and engineers, this kit brings you fun and powerful ways to explore Earth and Space science in the classroom. 12 modules, 5 NASA lesson plans and 10 STEM activities.

Learn scientific principles like Electromagnetic, Kinetic and Potential Energy. Make a Mars Rover or an ISS; transmit music wirelessly and more. For ages 14+.

**Includes** dc motor, light sensor, 2 power modules, 2 wires, bright LED, microphone, IR LED, number, remote trigger, speaker, battery & cable, screwdriver, motorMate, audio cable & 1 activities booklet

Stk.	Mfr.	Price
<b>505110</b>	650-0123	<b>\$162.00</b>



### littleBits Smart Home Kit

**littleBits** Kit can turn any household object into an internet-connected device. Instead of buying different smart products, you can reinvent the things you already have. Control your AC from anywhere. Automate your curtains to

open at sunrise. Make a remote-controlled pet feeder. Kit makes it easy to snap the internet to anything.

**Includes** USB power, light sensor, button, servo, sound trigger, bright LED, split, synth speaker, MP3 Player, IR Transmitter, temperature sensor, cloud-Bit™, threshold, number, screwdriver, Shoes, Servo accessories, mounting boards, USB power adapter/cable & AC switch.

Stk.	Mfr.	Price
<b>505115</b>	680-0001	<b>\$262.00</b>



### littleBits Arduino Coding Kit

**littleBits** This kit contains 8 prototyping modules. It's everything you need to get started with electronics and programming. Make your own Etch-a-Sketch™! Program a visual display! Learn the basics using the Arduino programming environment, without the breadboarding,

soldering or wiring normally required. Perfect for hackers, designers, makers and tinkerers of all levels. For ages 14+.

**Includes** bargraph, button, 2 dimmers, power, servo, fork, Arduino, battery & cable, micro USB cable & mounting board.

Stk.	Mfr.	Price
<b>505116</b>	680-0002	<b>\$96.60</b>



### littleBits Hardware Kit

**littleBits** This kit is the quickest way to get started developing your own module for the bitLab. The 2 proto modules allow you to connect to PCBs and breadboards while the perf module allows you to build a small circuit right on the module. When you're ready to design your PCB, you can use the included gray

bitSnap™ connectors to attach to the board. We've also included color-coded stickers so you can easily denote your bitSnaps as power, input, wire, or output. For ages 14+.

**Includes** 2 proto modules, perf module, 12 bitSnaps (6 male & 6 female) and color-coded bitSnap stickers (blue, pink, orange & green).

Stk.	Mfr.	Price
<b>505120</b>	680-0005	<b>\$43.40</b>



### littleBits Power Bit Module

**littleBits** Power bit lets you use a 9V battery to supply electricity to your littleBits. Snap in the battery & cable (sold separately) and flip the switch to turn it on. For ages 8+.

Stk.	Mfr.	Price
<b>505090</b>	650-0061	<b>\$7.30</b>



### littleBits 9V Battery & Cable

**littleBits** For use with the power Bit, and won't work with the USB or coin battery Bits. For ages 8+.

**Includes** 9V alkaline battery & cable.

Stk.	Mfr.	Price
<b>505080</b>	660-0006	<b>\$6.25</b>



**Electricity Kit**

**Poof-Slinky** Hands-on introduction to electricity and electrical circuits. Learn about series, parallel, short circuits, voltage switches, current, resistance and more. For ages 8+.

**Includes** circuit board, battery holder, brass strip, 2 light bulbs w/holders, switch, 11 long wires, 11 short wires, 2 bulb holder clamps, morse code switch, 22 washers, 33 brads, 2 resistors, plastic jar w/lid, steel wool, 14 springs & manual.

**Requires 4 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>621506</b>	02018	<b>\$11.00</b>



**Electro-Magnetix Kit**

**Poof-Slinky** More than 30 experiments, magic tricks and games, plus the simplest, yet most mysterious, electromagnetic motor ever built. For ages 8+.

**Includes** 57-piece lab kit & instruction booklet.

**Requires 1 D battery, sold separately.**

Stk.	Mfr.	Price
<b>621505</b>	02017	<b>\$10.00</b>



**Mini Lab Electric Motor Kit**

**Slinky** Explore the world of electro-magnetics and how it causes a motor to do the things it does. Build a battery powered motor, attach it to your boat and watch it cruise. For ages 8+.

**Includes** electric motor kit, 9"L plastic boat & instruction booklet.

**Requires 1 D battery, sold separately.**

Stk.	Mfr.	Price
<b>621500</b>	02013	<b>\$11.00</b>



**Tin Can Mechanical Man**

**Poof-Slinky** Use a pop can (*not included*) to make Mechanical Man. Easy to follow instructions. For ages 8+.

**Requires 1 AA battery, sold separately.**

Stk.	Mfr.	Price
<b>621520</b>	02032	<b>\$10.00</b>

**Crystal Radio Kit**

**Poof-Slinky** Build a working crystal radio that will pick up radio stations, plus experiment with radio waves while learning chemistry basics. No batteries or soldering are needed. For ages 8+.

**Includes** diode, base, 4 rubber bands, tuning rod, 2 connecting wires, coil wire, sand paper, earphone, 3 nuts, 3 bolts, 4 washers, coil tube, tuning ball & manual.

Stk.	Mfr.	Price
<b>621499</b>	02012	<b>\$11.00</b>



**Electronic Crystal Radio Kit**

**Elenco** No batteries required, crystal diode converts RF (*radio frequency*) to audio so you'll be able to tune in your favorite AM radio stations.

**Includes** earphone, all parts needed & easy-to-read instructions.

Stk.	Mfr.	Price
<b>390391</b>	MX-901C	<b>\$16.50</b>



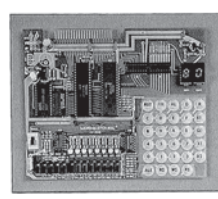
**Remote Control Car Kit**

**Elenco** Solderless kit teaches gears, motors, printed circuit boards, integrated circuits, plus basic transmitters, receivers and electronic switching theories. As students construct each section, they'll explore and troubleshoot the circuitry. Car features 7 remote functions, flashing top light and single channel operation.

**Includes** remote control, detailed color assembly & training manual.

**Requires 9V & 4AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390331</b>	FUN-875	<b>\$37.00</b>

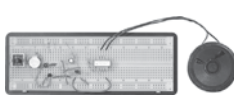


**Computer Theory Kit**

**Elenco** Teaches students to write into RAM, ROM and run an 8085 microprocessor. Uses the 8156 IC, 2048 Bit static MOS RAM with I/O ports and timer and the 2816 E2 Prom, electrically erasable programmable ROM. Learn how to scan the keyboard and display. No previous computer knowledge required.

**Includes** lesson manual & experiments.

Stk.	Mfr.	Price
<b>390460</b>	MM-8000K	<b>\$198.00</b>

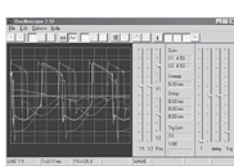


**Basic Electronic Experiment**

**Elenco** Transform breadboard into an electronic learning center. Perform 50+ experiments including electronic keyboard, water alarm, finger-touch lamp, electronic kazoo, battery tester, magnetic bridge, voltmeter, morse code and more.

**Includes** parts for 50 experiments w/manual, breadboard & 9V battery.

Stk.	Mfr.	Price
<b>390494</b>	PK-101B	<b>\$31.40</b>



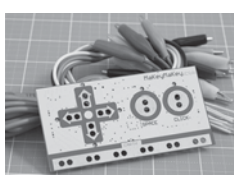
**Basic Electronics Kit with Computer Interface**

**Elenco** Computer interface turns PC into an oscilloscope and spectrum analyzer. See visually how oscillators and amplifiers work. Analyze your own voice on the monitor. Includes 50+ experiments including Basic Electronics Kit (PK-101), plus experiments to create audio amplifiers, oscillators, siren, space gun, burglar alarm, speaker microphone and more.

**Includes** parts for 50 experiments w/manual & 9V battery.

**Requires Breadboard (Mfr. 9830), sold separately.**

Stk.	Mfr.	Price
<b>390495</b>	PK-201	<b>\$52.40</b>



**MaKey MaKey Standard Kit**

**Maker Shed** Kit is an Arduino-based device that lets you turn nearly anything into a computer key. Just attach alligator clips to food, people, liquids, Play-Doh, or any other somewhat conductive material for a whole new level of interactivity and fun. Kit uses high resistance switching to detect connections. This allows it to detect a "button press" even if the material is only somewhat conductive. Onboard ATmega32u4 communicates to your computer with the HID (*Human Interface Device*) protocol allowing it to "act" as a keyboard or a mouse.

**Includes** HID board, mini-USB cable, jumper wire pack & alligator clip pack.

Stk.	Mfr.	Price
<b>513200</b>	MKJLI	<b>\$75.00</b>



### Raspberry Pi B Starter Kit

**Maker Shed** Kit includes virtually everything you need to get your Pi up and running, including a power supply, USB cable, and SD card. The Raspberry Pi B is a small computer that runs Linux. It has many capabilities of a traditional PC, including word processing, web browsing, and games.

**Includes** Raspberry Pi Single-Board Computer, MAKE 3.14 Breakout, MAKE: Pi Enclosure, USB power supply (1A) & USB cable, SDHC flash memory card, deluxe full-size breadboard & jumper wires, Mintronics: Survival Pack Guts (60+ components), HDMI high-speed cable & Getting Started with Raspberry Pi Book.

Stk.	Mfr.	Price
<b>513205</b>	MSRPIK2	<b>\$147.00</b>



### Raspberry Pi B+ Bundle

**Maker Shed** Getting Started with Raspberry Pi B+ Bundle is the perfect way to get into all things Raspberry Pi B+. Features extra USB ports, micro SD slot and GPIO pins.

**Includes** Raspberry Pi Model B+ board, 8 GB microSD NOOBS Operating System Card &

Getting Started With Raspberry Pi 2nd Ed.

Visit our website for more information.

Stk.	Mfr.	Price
<b>513210</b>	MSBUN76	<b>\$52.50</b>



### Getting Started w/Arduino Kit V3.0

**Maker Shed** The Arduino microcontroller is the open source electronics prototyping platform that's taken the maker world by storm. Using the included components, you'll create electronics projects that sense and react to the physical world around you.

The Getting Started Kit will teach you how to:

- Wire up, program & blink the most basic of actuators, an LED
- Connect sensors & then monitor them for changes in values
- Write sketches to perform tasks in response to real-world data input
- Work w/included sensors, switches, breadboard & jumper wires to prototype circuits that respond to light levels, touches & more

**Includes** Arduino UNO, USB cable, 9V battery pack w/DC plug (requires simple soldering), clear breadboard, deluxe jumper wires, 7 LEDs (2 red, 2 green, 2 blue, 1 RGB), 10kΩ Ohm resistors, 10 220Ω resistors, 1 270Ω resistor, 2 photoresistors, 2 momentary buttons & clamshell box.

Stk.	Mfr.	Price
<b>513215</b>	MSGSA	<b>\$73.20</b>



### Quartz Clock Movement Module Kits

**Primex** Use hands-on projects can for individual or group activity to promote interest in science and electronics. Students assemble the clock movement to create a working clock.

**Includes** unassembled quartz movement, mounting hardware, hr./min./sec. hands, AA battery, 5-7/8" dia. styrene dial & assembly instruction.

Stk.	Mfr.	Item	Price
<b>682020</b>	10005	Kit only	<b>\$8.25</b>
<b>682083</b>	49650	Kit w/Lesson Plan Guide	<b>\$9.90</b>



### Wall Clock Kits

**Primex** Great for middle or high school students learning manufacturing and/or graphic curriculums. Students will step through the process of producing a finished product in a manufacturing environment.

**Includes** frame, lens, clock movement, hands, dial backing, template & instructions.

Stk.	Mfr.	Color	Price
<b>682040</b>	34487	Blue Frame	<b>\$11.10</b>
<b>682042</b>	34488	Red Frame	<b>\$11.10</b>
<b>682043</b>	34489	Black Frame	<b>\$11.10</b>
<b>682044</b>	34490	White Frame	<b>\$11.10</b>



### Customizable CD Clock Kit

**Primex** Perfect for graphics and marketing curriculums, this kit contains a CD with a clock dial template. Load onto a computer and use in conjunction with free downloadable Avery software. Change the numeral font style, size, add a photo and personalize with names, dates, etc.

**Includes** quartz clock movement, hardware, hr./min./sec. hands, 5" frosted acrylic easel, Dial Graphic Template CD & sheet of 2 Avery CD labels.

Stk.	Mfr.	Price
<b>682050</b>	35383	<b>\$12.90</b>



### Arabic Clock Insert

**Primex** Inserts are high-quality clocks designed to meet your economical needs. Plastic bezel, backplate and lens. Friction-fit mounting system. 3-yr. mfr.'s warranty.

Overall Dia. 3-1/4" (83 mm).  
Mounting 2-29/32" dia. x 5/8"D.

Requires 1 AA battery, sold separately.

Stk.	Mfr.	Price
<b>682023</b>	15559	<b>\$11.00</b>



### C Cell Clock Movement with Hands

**Primex** Long life movement runs up to 3 years on C battery. Small size offers flexibility for mounting in small or large clocks. 3-yr. mfr.'s warranty.

Size 2-3/4"H x 2-3/16"W x 1"D.

**Includes** pair of hands & hanger.

Requires C battery, sold separately.

Quantity Savings!							
Stk.	Mfr.	Dial Thickness	Shaft L.	Shaft Dia.	Qty.	Price	50 or more
<b>682000</b>	101590	5/16" max.	1-3/16"	3/8"	1	<b>\$12.10</b>	<b>\$10.30</b>



### AA Cell Quartz Clock Movement with Hands

**Primex** Super-accurate timekeeper. Built-in molded hanger strong enough to hold up to 4 lbs. Fits in a 3" dia. hole. 6-yr. mfr.'s warranty.

Size 2-7/32"H x 2-7/32"W x 5/8"D.

**Includes** pair of hands.

Requires AA battery, sold separately.

Quantity Savings!							
Stk.	Mfr.	Dial Thickness	Shaft L.	Shaft Dia.	Qty.	Price	100 or more
<b>682010</b>	104000	3/4" max.	1-3/16"	5/16"	1	<b>\$3.19</b>	<b>\$2.75</b>

**All-In-One Project Labs**

**Elenco** Labs teach students about electronics from A-Z. They'll learn about electronic parts, reading schematics & writing diagrams while building up to 500 different & interesting projects. Uses spring hook-up method. No soldering required. For ages 10+.



**50-in-1**

**Elenco** Ideal for beginners, this lab explores the workings of circuitry including voltage, current, resistors, capacitors, transistors, diodes, transformers, speakers and antennas.

**Includes** all parts & instructions needed to build:

- Finger Touch Lamp • Magnetic Bridge • Voltmeter • Morse Code • Alarm
- Electronic Noisemaker • Electronic Kazoo • Electronic Keyboard
- Transistor Radio • Radio Announcer • Metal Detector

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>390384</b>	EP-50	<b>\$22.50</b>



**75-in-1**

**Elenco** The basic principles of electricity, electronics, physics and magnetism are covered in this lab containing an easy-to-read, illustrated, lab-style manual.

**Includes** all parts & instructions needed to build:

- Timer Buzzer • Electronic Organ • Sound-sensor Timer • Sound Alarm
- Motion Detector • 4-Level Photometer • Burglar Alarm • First-aid Siren
- 2-Stage Timer Sound • Photo-level Alarm • Pulse Width Modulation
- Voltage Detector • Logic Tester • Water Level Alarm • Conductivity Tester
- Electronic Coin Toss • Sound Level Meter • Optical Volume • Motion LED
- DC to DC Converter • & many, many more!

**Requires 4 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390385</b>	MX-905	<b>\$58.50</b>



**130-in-1**

**Elenco** The basic principles of voltage, current, resistors, capacitors, transistors, diodes, transformers, speakers and antennas. Lab contains an easy-to-read, illustrated, lab-style manual.

**Includes** all parts & instructions needed to build:

- Electronic Siren • LED Strobe Light • Light Dimmer • Sound Amplifier
- Winking LED's • Sound Machine • Pencil Organ • Burglar Alarm
- AM Radio Station • Logic Tester • Metal Detector

**Requires 6 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390269</b>	EP-130	<b>\$45.00</b>



**300-in-1**

**Elenco** A great introduction to the world of advanced electronics is covered in this lab containing an easy-to-read, illustrated, lab-style manual. Uses spring and breadboard hook-up methods.

**Includes** all parts & instructions needed to build:

- Transistor Radio • Multiple Counter • Rain Detector • IC Organ
- Digital Light Dimmer • Voltage Drop Alarm • Burglar Alarm
- Tone Burst Generator • Logic Checker • Delayed Timer
- Audio Signal Tracer • Function Generator • Electronic Game
- Electronic Candle • Voltage Controlled Amplifier • Optical Volume
- Voice Level Meter • Multiplier • Metal Detector • & many more!

**Requires 6 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390388</b>	MX-908	<b>\$139.00</b>



**500-in-1**

**Elenco** Learn the basics of electronics and put that knowledge to work creating 500 electronic experiments, special lighting effects, radio transmitter and receivers, amazing electronic sound effects, cool games and more.

Features built-in breadboard for easy wiring and connection of components, and an LCD (*liquid crystal display*) indicates the information during the experiments in process. Uses breadboard and spring hook-up methods to build knowledge by exploring amplifiers, analog and digital circuits, plus how to read schematic diagrams.

**Includes** transistors, transformers, diodes, resistors, capacitors, phototransistors, CDs, integrated circuits, speaker, earphone, LED's, LED digit display & fact-filled illustrated lab-style manual.

**Requires 6AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390389</b>	MX-909	<b>\$360.00</b>



**4-In-One Action Kit Lab**

**Elenco** Students will build an operating motor, discover how an electric bell is constructed and how it rings, and they'll find out how a generator makes electricity. The lab features a meter to measure the amount of electricity used in experiments. For ages 8+.

Some experiments include

- Electromagnet & reverse polarity
- Using a generator to control a motor's forward/reverse rotation & to operate an electric bell
- Color mixing w/rotating color disc

**Includes** all parts needed & easy-to-read illustrated lab-style manual.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390390</b>	MX-902	<b>\$41.40</b>

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### Snap Circuits®

**Elenco** Snap Circuits make learning electronics easy & fun! Students follow colorful pictures to build exciting projects such as AM radios, burglar alarms, doorbells & more. Parts are mounted on plastic modules & snap together with ease. No tools required. For students age 8+.

**Requires batteries, sold separately.**



#### Snap Circuits Jr.

**Elenco** Students will have hours of fun building more than 100 projects while learning the basics of electronics.

Some experiments include:

- Flying saucer
- Spin draw
- Sound activated switch
- Alarms & touch circuits
- Games

**Includes** 30+ parts including a photoresistor, music IC, motor, space war IC & manual.

**Requires 2 AA batteries.**

Stk.	Mfr.	Price
<b>390339</b>	SC-100	<b>\$34.20</b>



#### Snap Circuits

**Elenco** Students will build more than 300 projects while learning how transistors and capacitors function, how to make time delay circuits and how oscillators and photo sensors work.

Some experiments include:

- AM radio
- Radio announcer
- Lie detector
- Burglar alarm
- Plus, experiments from Snap Circuits, Jr. Kit

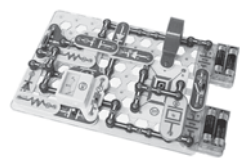
**Includes** 60+ parts including 2 transistors, microphone, power amplifier IC, variable capacitor & manual.

**Requires 4 AA batteries.**

Stk.	Mfr.	Price
<b>390340</b>	SC-300	<b>\$65.40</b>

**Snap Circuits w/Computer Interface** **Includes** the above plus, 73 computer-interfaced experiments.

Stk.	Mfr.	Price
<b>390348</b>	SC-300S	<b>\$84.90</b>



#### Snap Circuits Pro

**Elenco** With this pro-version kit, students will build more than 500 projects and learn how 7-segment displays, meters, relays, transformers and diodes work.

Some experiments include:

- FM radio
- Adjustable light control
- Digital voice recorder
- AC generator
- Plus, experiments from Snap Circuits, Jr. & Snap Circuits Kits

**Includes** 75+ parts including voice recording IC, FM radio module, analog meter, transformer, relay, 7-segment LED display & manual.

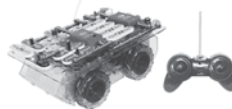
**Requires 4 AA batteries.**

Stk.	Mfr.	Price
<b>390341</b>	SC-500	<b>\$97.50</b>

**Snap Circuits Pro w/Computer Interface** **Includes** the above plus, 73 computer-interfaced experiments.

Stk.	Mfr.	Price
<b>390349</b>	SC-500S	<b>\$117.00</b>

### RC Snap Rover Kit



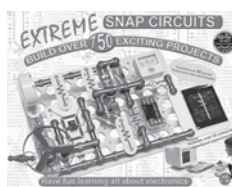
**Elenco** Colorful Snap Circuits parts connect together easily allowing students to effortlessly complete a wireless Snap Rover vehicle. Navigation is made simple using the remote control.

- L & R turning control
- Race up to 3 Rovers at the same time
- Night mission red/blue side lights
- Multi-function, wireless remote control
- Build 20+ projects
- Forward/backward motion
- Headlight
- Colorful moving gear
- Sound Fx

**Includes** 30+ parts, remote control & manual.

**Requires 9V & 6 AA batteries.**

Stk.	Mfr.	Price
<b>390344</b>	SCROV-10	<b>\$87.70</b>



#### Snap Circuits Extreme

**Elenco** Action-packed kit allows students to build more than 750 projects including 73 computer interfaced experiments.

Some experiments include:

- Strobe light
- Solar power
- Transistor AM radio
- Electromagnetism
- Rechargeable battery
- Vibration switches
- Plus projects from Snap Circuits, Jr., Snap Circuits, Snap Circuits Pro & Pro w/Computer Interface Kits

**Includes** 80+ parts including solar cell, electromagnet, vibration switch, computer interface & manual.

**Requires 4 AA batteries.**

Stk.	Mfr.	Price
<b>390343</b>	SC-750	<b>\$137.00</b>

## ELECTRONIC SOLDERING KITS



#### Classroom Solder Activity Kit

**Chaney** An economical way to introduce students to the field of electronics. Bulk package contains all the parts (400) and PC boards to build 24 kits. Activity box contains etched and drilled 2-1/2" x 1" nonfunctional PC boards and all the components and circuit boards necessary to give 24 students ample soldering practice. Beginner skill level kit. For ages 13+.

**Includes** resistors, capacitors, diodes, LEDs, 2 sizes of IC sockets & transistors, instructions, zip bags, PC boards, Teacher's Power Point instruction CD & demonstration PC board.

Stk.	Mfr.	Price
<b>300958</b>	C6774	<b>\$135.00</b>



#### 4-in-1 Solder Kit

**Chaney** If you are introducing soldering to your students, you'll want this value packed 4-in-1 package. Each kit operates on its own and can be mounted if the student desires. At the conclusion, the student has built 1 non functional kit (*Learn to Solder*) and 3 fully operating kits (*Phasor Ray*, *Red Star Flasher*, *Yes/No Decision Maker*) that he/she can enjoy. Beginner skill level kit. For ages 13+.

**Includes** complete set of parts for each kit, PC boards & instructions.

**Each kit requires a 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>300970</b>	C6881	<b>\$23.70</b>





**Learn to Solder Kit**

**Chaney** Kit designed for the student who has no experience with soldering. Kit has 30 components to be soldered are used to gain soldering experience, but the last 10 components, when soldered in, make up a bright red and yellow

alternating LED flasher! The LED flasher portion is built after the student has soldered in the 20 practice components, which include: capacitors, a transistor, resistors, and an IC socket. When the student completes this kit, they should have developed good soldering techniques and have a functioning LED flasher. Beginner skill level kit. For ages 13+.

**Includes** parts & instructions.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>300910</b>	C6445	<b>\$12.00</b>



**Solar Camping Light**

**Chaney** Kit features a small slide switch so you can illuminate your immediate camp surroundings when switched to the "full power" position (4 ultrabright LEDs having approx. 2 hrs. of illumination). Or you may choose to relax in your tent with the "nightlight" position (1 warm

white LED offers all night illumination). Light is housed in the bottom of a recycled 2 liter soda bottle and hung by an "L" bracket. Beginner skill level. For ages 13+.

**Includes** PC board, solar panel, rechargeable NiMH battery, LEDs & parts.

**2 liter soda bottle not included.**

Stk.	Mfr.	Price
<b>300980</b>	C6985	<b>\$22.50</b>

**Super LED Chaser**



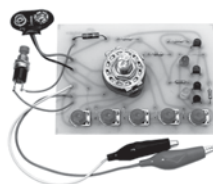
**Chaney** Here is an exciting visual display! 3 groups of 2 LEDs light up sequentially to provide a red display. Kit uses 6 jumbo LEDs and 3 transistors. Kit requires soldering of components to the PC board while building with red LEDs. Intermediate skill level. Soldering experience required. For ages 13+.

**Includes** parts, PC board & instructions.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>300965</b>	C6825	<b>\$7.02</b>

**Battery Tester Solder Kit**



**Chaney** Simple to use and tests all types of common batteries. LED lights indicate whether battery is good or bad. 5 calibration trim pots allow you to set up your tester to test any 5 different type batteries. Beginner skill level kit. For ages 13+.

**Includes** parts, PC board & instructions.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>300905</b>	C6414	<b>\$13.90</b>

**Power Supply Solder Kit**



**Chaney** Ideal for powering breadboard experiments, small tape recorders, radios, amplifiers, calculators and various electronic projects. Kit features a transformer, circuit protecting fuse, power transistor, full-wave rectification, two radial electrolytic capacitors, LED power indicator, On/Off switch, a potentiometer and other components. Reliable circuit design with momentarily short circuit protection. Outputs a maximum current of 100mA @ 12V and 200mA @ 6V or less. Operates from standard 120VAC. Intermediate skill level kit. Soldering experience required. For ages 13+.

**Includes** parts, PC board & instructions.

Stk.	Mfr.	Price
<b>300950</b>	C6724	<b>\$15.70</b>



**Blinder LED Flasher**

**Chaney** Kit features 3 crystal clear special LEDs which create brilliant flashes of orange-red light. Light output of this flasher kit can even be seen in direct sunlight. Flash rate is adjustable with the built-in trimmer potentiometer. Beginner skill level. For ages 13+.

**Includes** parts, PC board & instructions.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Qty.	Price
<b>300985</b>	C6891	1	<b>\$7.44</b>
<b>301006</b>	C8100	25	<b>\$102.00</b>

**Jitterbug Robot**



**Chaney** This little robot is waiting for night, or when it's completely dark, to roam. Light sensor allows the jitterbug to move with the help of a tiny vibrating motor. Customize its antennas and legs. Flashing LED allows you to find it in the dark. Operates on a 3V CR2430 coin battery. Beginner skill level. For ages 13+.

**Includes** parts, battery, PC board & instructions.

Stk.	Mfr.	Qty.	Price
<b>300979</b>	C6984	1	<b>\$9.82</b>
<b>301010</b>	C8104	25	<b>\$143.00</b>

**Secret Alarm**



**Chaney** This is the perfect device to scare off someone who opens your desk, dresser, file cabinet, lunch box, etc. Uses sensitive CDS and SCR circuit to respond to light. As long as it is kept in the dark it is quiet, but when light hits

the sensor, watch out! Beginner skill level kit. For ages 13+.

**Includes** parts, PC board & instructions.

**Requires 9V battery, sold separately**

Stk.	Mfr.	Price
<b>300920</b>	C6455	<b>\$13.20</b>

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**Soldering Kits**

Kits come complete with all electronic parts necessary to assemble the circuit, a printed circuit board (PCB) & an instruction sheet with parts placement diagram, assembly steps & discussion of operation. Each PCB is etched & drilled.

**Batteries or Battery Eliminator, if required, sold separately.**



**LED Robot Blinker**

**Elenco** Learn about free-running oscillators. You'll have fun building, displaying and learning about the LED Robot Blinker.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390338</b>	K-17	<b>\$11.40</b>



**Motion Detector**

**Elenco** This super sensor detector sounds an alarm if someone approaches the unit. Learn the basics of motion detector technology. Uses pyroelectric infrared sensor.

**Requires 9V battery.**

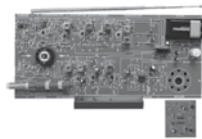
Stk.	Mfr.	Price
<b>390475</b>	AK-510	<b>\$20.90</b>

**AM/FM Radio Kit**

**Elenco** Kit is a "superheterodyne" receiver of the standard AM (amplitude modulation) and FM (frequency modulation) broadcast frequencies.

**Includes** radio mounting stand & 64 page manual.

**Requires 9V battery.**



Stk.	Mfr.	Price
<b>390444</b>	AM/FM-108CK	<b>\$48.20</b>



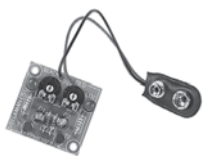
**Soldering Starter Kit w/Tools**

**Velleman** Students experiment with LED light and sound variables, plus learn about lead-free soldering.

**Includes** 20W soldering iron & stand (w/ cleaning sponge), Flashing LED's Kit, LED Sound-to-Light Kit, 4.3" hardened carbon-steel mini-diagonal wire cutter & lead-free solder.

**Requires two 9V batteries.**

Stk.	Mfr.	Price
<b>949050</b>	K/STARTULF	<b>\$33.50</b>



**Flashing LED's**

**Velleman** Produces adjustable flashing speed with 2 potentiometers

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>949100</b>	MK102	<b>\$5.16</b>

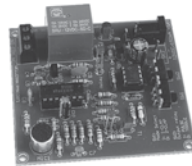


**Decision Maker**

**Velleman** Push a button to start flashing yes/no LEDs. Flashing speed gradually decreases until 1 remains lit.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>949120</b>	MK135	<b>\$8.63</b>



**Clap On/Off Switch**

**Velleman** Operates lighting with a handclap. Surrounding noises won't affect operation.

**Requires 12V Battery Eliminator or power adapter.**

Stk.	Mfr.	Price
<b>949124</b>	MK139	<b>\$17.90</b>



**Traffic Light**

**Velleman** Miniature traffic light as used at 4-way junctions. Realistic operation with adjustable delay. 12 LEDs.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>949117</b>	MK131	<b>\$12.80</b>

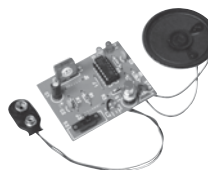


**3W Mono Amplifier Kit**

**Velleman** Small but powerful amplifier suits a wide range of applications such as: microphone amp for doorbells, melody generators, intercom, sound effects, earphones, radio receivers, PC sound card, musical instrument and more.

- No additional heatsink required
- Single supply
- Wide supply range

Stk.	Mfr.	Price
<b>949065</b>	K8066	<b>\$13.90</b>



**Space War Gun Kit**

**Elenco** Produces a rapid fire or single shot with 2 flashing LEDs.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390310</b>	K-10	<b>\$11.40</b>



**Burglar Alarm Kit**

**Elenco** An easy-to-build alarm control for car, house, room or closet. After alarm is on the only way to turn it off is to open S1.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390412</b>	K-23	<b>\$11.40</b>



**Sound Activated Switch**

**Elenco** Light will go on or off with the clap of your hands.

**Requires 9V battery.**

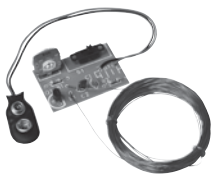
Stk.	Mfr.	Price
<b>390442</b>	K-36	<b>\$14.30</b>



**Telephone Bug**

**Elenco** Size of a dime yet it transmits both sides of a telephone conversation to any FM radio. Powered by your phone.

Stk.	Mfr.	Price
<b>390441</b>	K-35	<b>\$11.40</b>



**Metal Detector**

**Elenco** Find money, old treasure. Get started in the hobby of metal detecting.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390424</b>	K-26	<b>\$11.40</b>



**Solder Practice Kit: European Siren Kit**

**Elenco** Build a flashing European siren, learn good soldering techniques and become familiar with a variety of electronic components.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390295</b>	SP-1A	<b>\$12.00</b>

**Kit w/Tools Includes** 30W soldering iron & wire cutters.

Stk.	Mfr.	Price
<b>390471</b>	AK-100	<b>\$20.90</b>



**Practical Soldering Project Kit**

**Elenco** Exercises include identifying components, color code reading of resistors, capacitors and inductors, plus desoldering and complete voltage and resistance analysis of circuit. 163 solder points (*standard soldering connections, close tolerance soldering & tack soldering*).

**Includes** color code calculator, written & visual exam of performed soldering connections.

**Requires 9V battery.**

Stk.	Mfr.	Price
<b>390296</b>	SP-3B	<b>\$12.00</b>



**MAKE: Electronics Book**

**Maker Shed** This impressively clear, well-written, and lavishly illustrated book carefully steps you through 36 experiments. Learn about electronics by trying first, breaking things and learning from your mistakes and experiments of discovery. Learn how to set up a productive and organized workspace

w/ the tools and parts you need. Learn about key electronic components and their functions in a circuit. Create an intrusion alarm, holiday lights, wearable electronic jewelry, audio processors, a reflect tester, an electronic combination lock and an autonomous robot cart that can sense and avoid obstacles. Get clear, easy-to-understand explanations about what you're doing and why it works (*or why it fails*). 352 pages.

Stk.	Mfr.	Price
<b>513220</b>	9780596153748	<b>\$32.80</b>



**MAKE: Electronics Components Pack I**

**Maker Shed** Learn voltage, amperage and resistance with this companion Electronics Components Pack to the MAKE: Electronics Book (*sold separately*). Includes all components necessary to complete the experiments from the first two sections of the book. All parts are

spec'd directly from the book and author Charles Platt to ensure compatibility. Most of the parts included are reused throughout the book and can be re-purposed for use in future projects.

**Includes** 9V alkaline battery, 9V battery snap, 6 AA 1.5V batteries, 3 AA battery holders (*single, two, four*), AC adapter (*multi DC output: 3V to 12V @ 500mA*), 5 ea. alligator clips (*black, red*), 4 bipolar NPN 2N2222 transistor, 4 ea. ceramic capacitors (*.0047uF (4700pF), .047uF*), 2 ea. electrolytic capacitors (*2.2uF, 22uF, 1,000uF*), deluxe screw terminal breadboard w/70 pc., jumper wire kit, 2 DPDT 12VDC non-latching relay, 2 DPDT toggle switches (*replaces SPDT in book*), 1 ea. 22 ga. solid x 25' hookup wire (*black, red, yellow*), 5 ea. LEDs (*3mm green, 5mm green, 3mm red, 5mm red*), 8 ohm loudspeaker, linear potentiometers (*one 1m, two 2k*), 4 programmable uni-junction 2N6027 transistor, SPST off/on pushbutton, 10 ea. resistors (*1K, 2K, 4.7K, 10K, 15K, 27K, 33K, 51K, 100K, 330K, 470K, 100 ohm, 180 ohm, 220 ohm, 330 ohm, 470 ohm, 680 ohm*) & component case.

Stk.	Mfr.	Price
<b>513203</b>	MERS I	<b>\$116.00</b>



**Compact Digital Multimeter Kit**

**Elenco** Economical, pocket-size unit with 7 functions, 17 ranges. Features transistor test, diode check and audible continuity test.

DC Volts: 200mV, 2000mV, 20V, 200V, 600V  
AC Volts: 200V, 600V

DC Current: 200µA, 2000µA, 20mA, 200mA, 10A

Resistance: 200Ω, 2kΩ, 20kΩ 200kΩ 2000kΩ

**Includes** test leads, 9V battery & manual.

Stk.	Mfr.	Price
<b>390350</b>	M-1008K	<b>\$29.30</b>



**Analog Multimeter Kit**

**Elenco**

- 20,000 ohms/volt
- 23 ranges
- 3-1/2" meter
- Mirrored scale

- Checks transistors/diodes
- 10A DC reading
- Audible continuity
- dBA scale
- Battery test

**Includes** test leads, batteries & manual.

Stk.	Mfr.	Item	Price
<b>390458</b>	M-1250	Assembled Kit	<b>\$33.50</b>
<b>390459</b>	M-1250K	Ready-to-Solder Kit	<b>\$35.60</b>

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**Soldering Stations**

**Elenco** Station is electronically controlled from 5 to 40 watts.

- Iron holder funnel
- Sponge pad for cleaning tip
- Cushion grip handle

- Power on/off with indicator light
- Heavy-duty iron w/plated conical tip

Stk.	Mfr.	Item	Price
<b>390377</b>	SL-5K-40	Ready-to-Assemble Kit	<b>\$47.30</b>
<b>390378</b>	SL-5-40	Assembled Kit	<b>\$47.30</b>

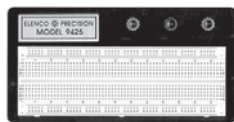
**Replacement Tips**

Stk.	Mfr.	Item	Price
<b>390382</b>	SR-2BT	Wedge Tip	<b>\$5.75</b>
<b>390383</b>	SR-2BT2	Conical Tip	<b>\$5.75</b>

**ELECTRONIC PARTS & SUPPLIES**

**Breadboards**

**Elenco**



**Breadboard 9425** 830 test points, 126 separate 5-point terminals and 8 horizontal bus lines of 25 common test points each. Capacity up to eleven 14-pin or thirty 16-pin dip ICs. 3 coded black, red and green binding posts. Base of heavy black anodized aluminum.

Stk.	Mfr.	Size	Price
<b>390317</b>	9425	3-3/4"L x 7-1/4"W	<b>\$17.90</b>

**Breadboard 9830** Contains 830 tie points with four independent common bus lines for easy connections to common lines. Numbers and letters are printed in black, bus lines in red and blue. Snap lock permits unlimited interlocking of additional boards. Base of heavy black anodized aluminum.

Stk.	Mfr.	Size	Price
<b>390329</b>	9830	2-1/8"L x 6-1/2"W	<b>\$10.40</b>

**Grounding Wrist Strap**

**Elenco** Velcro adjustable wrist strap allows full freedom of movement while protecting components from static damage. Ideal for assembly, laboratory and field service work. Alligator clip included.



Stk.	Mfr.	Price
<b>390298</b>	WVS-1	<b>\$5.75</b>

**Alligator Lead Set**

**Elenco** Jumper clip lead set in 5 colors including red, black, yellow, white and green. 14"L, 10/set.



Stk.	Mfr.	Price
<b>390301</b>	TL-6	<b>\$8.63</b>

**Banana to Alligator Set**

**Elenco** Stackable banana to alligator clip. 36"L.



Stk.	Mfr.	Price
<b>390299</b>	TL-5	<b>\$5.75</b>



**Banana to Minigrabber Set**

**Elenco** Stackable banana to minigrabber. Black and red leads. 36"L.

Stk.	Mfr.	Price
<b>390305</b>	TL-12	<b>\$8.05</b>



**Minigrabber to Minigrabber Set**

**Elenco** IC clip test lead set. Red & black test leads w/ IC clip (mini-grabber) on each end. 20 ga. wire. 36"L.

Stk.	Mfr.	Price
<b>390302</b>	TL-9	<b>\$9.09</b>



**Jumper Wire Kits**

**Elenco** Kits contain 14 different lengths of pre-stripped, pre-formed #22 solid wire in various colors. Storage case included.

Stk.	Mfr.	Qty.	Price
<b>390312</b>	JW-140	70 Lengths	<b>\$9.78</b>
<b>390313</b>	JW-350	350 Lengths	<b>\$16.70</b>



**Magnet Wire**

**Kelvin** Copper enamel wire. 1 lb.

Stk.	Mfr.	Gauge	Length	Price
<b>492164</b>	330128	22	514'	<b>\$25.30</b>



**Hook-Up Wire Spools**

**Elenco** Insulation rated to 300V.

**Solid** For general wiring that is not subject to repeated flexing & for solderless breadboards. Maximum recommended current 7A.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>390275</b>	884410	22	Black	25'	<b>\$3.60</b>
<b>390276</b>	884420	22	Red	25'	<b>\$3.60</b>
<b>390277</b>	884440	22	Yellow	25'	<b>\$3.60</b>
<b>390278</b>	884450	22	Green	25'	<b>\$3.60</b>
<b>390279</b>	884490	22	White	25'	<b>\$3.60</b>

**Stranded** For general wiring that may be subject to repeated vibration or flexing. Maximum recommended current 3.5A.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>390280</b>	885210	24	Black	25'	<b>\$3.36</b>
<b>390281</b>	885220	24	Red	25'	<b>\$3.36</b>
<b>390282</b>	885240	24	Yellow	25'	<b>\$3.36</b>
<b>390283</b>	885250	24	Green	25'	<b>\$3.36</b>
<b>390284</b>	885290	24	White	25'	<b>\$3.36</b>

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**Basic Electronics Parts Kit**

**Elenco Includes** plastic case with:

- LEDs standard T 1-3/4 size (5 ea. red, green, yellow)
- mylar capacitors 100V radial dIP - (2 ea. .001µF, .0047µF, .01µF, .047µF, .1µF, .33µF)
- resistors 1/4W (5 ea. 10Ω, 100Ω, 470Ω, 1kΩ, 2.2kΩ, 4.7kΩ, 8.2kΩ, 10kΩ, 18kΩ, 27kΩ, 47kΩ, 82kΩ, 100kΩ, 220kΩ, 330kΩ, 470kΩ, 1MΩ)
- displays (2 ea. 7-segment common cathode, 7-segment common anode)
- electrolytic capacitors 50V radial (2 ea. 1µF, 4.7µF, 10µF, 47µF, 100µF, 470µF, 1000µF)
- integrated circuits (2 ea. 7805, 7812 regulators, LM386 audio amp, 555 timer, 741 op-amp, 74LS00, 74LS02, 74LS08, 74LS10, 74LS47, 74LS74, 74LS86, CD4013, CD4017)
- transistors (2 ea. PN2222, PN2907, 2N3055, 2N3904, 2N3906, 2N5457)
- ceramic disc capacitors 500V (2 ea. 2.2pF, 4.7pF, 10pF, 1pF, 22pF, 47pF, 100pF, 220pF, 470pF, 680pF)
- diodes (2 ea. 1N4148, 1N4001, 1N34, 1N4728, 1N4733, 1N4739, 1N4743, 1N4747)
- inductors (1 ea. 4.7µH, 10µH, 47µH, 100µH, 470µH, 1µH, 10µH, 33µH)
- trim pots single turn (1 ea. 500Ω, 1kΩ, 5kΩ, 50kΩ, 100kΩ, 500kΩ, 1MΩ)
- switches (2 ea. push-button, SPDT slide, DPDT slide, 8-position DIP)
- plus (25' 22 AWG hook-up wire, red & black alligator lead sets, 5V DIP relay, photo cell, microphone, speaker, buzzer, 9V battery snap, 1.5A 100V bridge, 4A 200V SCR)

Stk.	Mfr.	Price
<b>390493</b>	CK-1000	<b>\$90.00</b>



**365-Piece Resistor Kit**

**Elenco**

**Includes** 5 ea. of 73 standard values from 1Ω to 1MΩ (1/2W) & slide-out carton.

Stk.	Mfr.	Price
<b>390497</b>	RK-365	<b>\$18.00</b>



**Capacitor, Diode & LED Kits**

**Elenco**

**100-Piece Capacitors** Ceramic disc, mylar & electrolytic-type capacitors. **Includes** 30 Ceramic from 10pF to 470pF, 35 Mylar from .001µF to .22µF, 35 Electrolytic from 1µF to 1000µF.

Stk.	Mfr.	Price
<b>390501</b>	CAPK100	<b>\$18.00</b>

**465-Piece Capacitors** 365 resistors & 100 capacitors. **Includes** 1/2w Resistor Kit containing 5 each of 73 standard 5% carbon film resistors, 30 Ceramic from 10pF to 470pF, 35 Mylar from .001µF to .22µF, 35 Electrolytic from 1µF to 1000µF.

Stk.	Mfr.	Price
<b>390502</b>	RCK465	<b>\$32.40</b>

**80-Piece Diode** Assortment of silicon, zener, germanium, bridge & switching diodes. **Includes** 20 types.

Stk.	Mfr.	Price
<b>390503</b>	DIOK80	<b>\$18.00</b>

**80-Piece LED** 18 varieties. **Includes** small, standard, large, rectangular, bi-color, blinking & ultra bright, red, amber, green, blue, yellow & white.

Stk.	Mfr.	Price
<b>390504</b>	LEDK80	<b>\$18.00</b>



**DC Electric Motors**

**Velleman** Use motor to power robotics, models, science projects & solar power demonstrations.

Stk.	Mfr.	Operating Range	Speed (rpm)	Size	Price
<b>949180</b>	MOT1N	1.5-3V	14,200	1-1/2" x 15/16"	<b>\$1.62</b>
<b>949181</b>	MOT2N	2.5-6V	14,500	1-3/4" x 15/16"	<b>\$3.24</b>



**Battery Holders**  
**Velleman**

Stk.	Mfr.	Type	Qty.	Price
<b>949020</b>	BH9V	9V holder w/leads	1	<b>\$0.84</b>
<b>949022</b>	BH11ID	D holder w/solder tags	1	<b>\$0.84</b>
<b>949024</b>	BH21ID	C holder w/solder tags	1	<b>\$0.98</b>
<b>949026</b>	BH31ID	AA holder w/solder tags	1	<b>\$0.50</b>
<b>949028</b>	BH41ID	AAA holder w/solder tags	1	<b>\$0.70</b>
<b>949030</b>	BS-TR	T-style snap	1	<b>\$0.76</b>
<b>949032</b>	BS-IR	I-style snap	1	<b>\$0.76</b>



**Precision Tweezers**

**General** Fine quality tweezers with a strong point bevel.

Stk.	Mfr.	Length	Price
<b>418762</b>	401AA	5"	<b>\$9.22</b>



**Industrial Tweezers**

**General** Quality tweezers for toolmakers, mechanics, electronic assemblers, repairmen & hobbyists.

Stk.	Mfr.	Item	Length	Price
<b>418764</b>	408	Bent Nose	4-1/2"	<b>\$7.22</b>
<b>418766</b>	410	Narrow Sharp Point Nose	4-1/4"	<b>\$5.94</b>



**Lighted Tweezers Set**

**General** Built-in LED illuminates work area. Made from heat-treated steel w/corrosion-resistant black finish. Non-slip cushion grip.

**Includes** serrated bent tip, serrated blunt tip & smooth pointed tip tweezers.

Stk.	Mfr.	Item	Price
<b>418880</b>	70400	3-Piece Set	<b>\$30.00</b>



**Tweezers Set**

**General** Assorted nickel-plated steel tweezers set in a clear vinyl pouch.

Stk.	Mfr.	Item	Price
<b>418770</b>	C421	6-Piece Set	<b>\$41.40</b>



**Seizer w/Serrated Jaws**

**Xcelite** Clamps firmly onto wires for soldering. Acts as a heat sink & retrieves small parts from hard-to-reach places. Precision-machined, tempered stainless steel. Box-joint construction w/3-position snap lock.

Stk.	Mfr.	Item	Length	Price
<b>308826</b>	42HV	Straight Nose	5-1/2"	<b>\$13.90</b>
<b>308827</b>	43HV	Curved Nose	5-1/2"	<b>\$14.10</b>



**5-piece Precision Screwdriver Set**

**Craftsman** Color-coded swivel heads for easy identification.

**Includes** slotted (3/32" x 1-1/2", 1/8" x 2-1/2"), Phillips (#00 x 1-1/2", #0 x 2-1/2") & Torx (T10 x 2-1/2").

Stk.	Mfr.	Price
<b>305767</b>	41632	<b>\$23.60</b>



**UltraTech™ Precision Screwdriver Set**

**General** UltraTech™ Precision Screwdrivers in 3 Versa-Grip comfort handle sizes (1" to 2-1/2"). Color-coded rings allow quick blade ID.

**Includes** 3 slotted (1/16", 3/32", 1/8"), 3 Phillips (#'s 00, 0, 1) & Torx (T6).

Stk.	Mfr.	Item	Price
<b>419150</b>	67123	7-Piece Set	<b>\$24.40</b>



**Precision Screwdriver Set**

**General** Precision screwdriver set with 17 interchangeable extended-shaft, heat treated blades for electronic, computer and jewelry repair. Black oxide blade coating prevents rust and corrosion. Locking screw chuck secures blades and allows quick changes. Versa-Grip comfort handle provides precision feel.

**Includes** 4 slotted (3/64", 1/16", 5/64", 3/32"), 2 Phillips (#'s 000, 00), 4 Torx (T#'s 6, 7, 8, 9), 3 hex (.50, 1/16", 5/64"), 3 nut drivers (3/32", 1/8", 5/32"), awl/scribe & handle, plus vinyl zip case.

Stk.	Mfr.	Item	Price
<b>419151</b>	63518	18-Piece Set	<b>\$26.60</b>

**BATTERIES, CHARGERS & TESTERS**

**Batteries**



Stk.	Mfr.	Type	Qty.	Brand	Price
<b>687722</b>	6V	6V carbon zinc	1	Duracell	<b>\$6.92</b>
<b>687755</b>	6V	6V alkaline	1	Energizer	<b>\$24.40</b>
<b>687715</b>	9V	9V alkaline	1	Duracell	<b>\$7.56</b>
<b>687731</b>	C	C alkaline	4	Duracell	<b>\$13.70</b>
<b>687745</b>	D	D alkaline	4	Duracell	<b>\$13.70</b>
<b>687720</b>	AA	AA alkaline	4	Duracell	<b>\$7.09</b>
<b>687734</b>	AAA	AAA alkaline	4	Duracell	<b>\$7.09</b>
<b>943197</b>	L91BP-2	AA Li-ion	2	Energizer	<b>\$8.15</b>
<b>943198</b>	L92BP-2	AAA Li-ion	2	Energizer	<b>\$8.15</b>

**Rechargeable Ni-Mh Batteries**

**Energizer**

Stk.	Mfr.	Type	Qty.	Price
<b>942713</b>	NH22NBP	9V	1	<b>\$15.50</b>
<b>942709</b>	NH35BP-2	C	2	<b>\$15.50</b>
<b>942711</b>	NH50BP-2	D	2	<b>\$15.50</b>
<b>942719</b>	NH12BP-2	AAA	2	<b>\$11.50</b>
<b>942717</b>	NH15BP-2	AA	2	<b>\$11.50</b>
<b>942715</b>	NH15BP-4	AA	4	<b>\$19.10</b>



**Universal Battery Charger**

**Energizer** Charges up to 8 AA, 8 AAA, 4C, 4D or 1 9V NiMH rechargeable batteries.

Charges 4 AA batteries in approx. 3 hours. Easy-to-read LCD screen shows charging status of the batteries inside. Features auto shut-off

to prevent over charge, short circuit and reverse polarity protection & bad battery detection. Energy Star rated.

**Includes** AC adapter.

Stk.	Mfr.	Price
<b>943265</b>	CHFC	<b>\$44.50</b>



**Battery Tester**

**Gardner Bender** Analog meter with a 9-position rotary selector switch. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, N, 9V, 1.5V button cells, 1.25V Ni-Cd rechargeable, 3V Li-ion, 22.5V photo & lantern cells, 6V lantern cell, 12V & 5V photo cells.

**Includes** test leads & instructions.

Stk.	Mfr.	Price
<b>416600</b>	GBT-500A	<b>\$12.50</b>



**Analog Battery Tester**

**Gardner Bender** Analog meter with low/good indicator. Moveable contact arm fits various battery sizes. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, 9V & 1.5V button cells.

**Includes** instructions.

Stk.	Mfr.	Price
<b>416602</b>	GBT-3502	<b>\$10.10</b>

**POWER SUPPLIES**



**Variable Voltage Power Supply Kit**

**Elenco** Portable power supply for students, technicians and hobbyists. Ideal for breadboarding and prototyping. Short protected IC thermo. Assembly required.

Input voltage 120VAC.  
Output voltage 0VDC - 15VDC.  
Output current 0.3A @ 12V, 0.2A @ 15V.

Stk.	Mfr.	Price
<b>390345</b>	XP-15K	<b>\$29.90</b>

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**Battery Eliminator**

**Elenco** Substitutes for AA, AAA, C, D and 9V batteries. Rotary switch selects voltage. Advanced, solid-state electronics provide LINE and LOAD regulation of volt output. Voltage selector switch won't allow output volts to

increase while adjusting between volt ranges. Fuse in series with output of power supply provides short-circuit protection.

Input 120VAC. Output current 1 amp max. Accuracy +5%. Output voltage 1.5, 2.2, 3, 4.5, 5, 6, 7.2, 9, 10, 13.8, 15VDC.

Stk.	Mfr.	Price
<b>390479</b>	XP-100	<b>\$71.40</b>



**Voltage Supply**

**Elenco** Current limiting adjustment is easy: simply short output and adjust limit control to read desired maximum current. Use in labs, service shops, schools, home and industry. 4 supplies in 1 unit.

- Output voltage is continuously variable & precisely held to your setting
- Maximum output current is externally adjustable
- Special circuit protects equipment, user & itself

Output: voltage 0-20, 5, -5, 12; current 2.5A, 3A, 5A, 1A.

Input voltage 120 VAC. Load & line regulation 1 volts (each).

Ripple max. RMS 005V. Output impedance 025 ohms.

Current & short protection (each) 1 to 1A lim. Meter 30V, 3A.

Stk.	Mfr.	Price
<b>390315</b>	XP-581A	<b>\$156.00</b>

**TECHNICIAN TOOL KITS**



**Computer Service Tool Kit**

**Elenco** Tools in a black vinyl zippered case.

**Includes** deluxe 25W soldering iron, solder-ease kit & solder tube, soldering iron wire stand, desoldering pump, 4-1/2" diagonal cutters, IC puller, IC inserter (14-16 pin), 5" needle nose pliers, spare parts tube, 3-prong parts

retriever, premium wire stripper, 4 screwdrivers (3/16" & 1/8" slotted, #'s 0 & 1 Phillips, tweezers) & 11-pc. screwdriver bit set (3 nut drivers, 2 slotted, 2 Phillips, 3 star bits).

Stk.	Mfr.	Qty.	Price
<b>390335</b>	TK-1200	29-Piece Set	<b>\$78.00</b>



**Deluxe Technician Tool Kit**

**Elenco** Tools in a black vinyl zippered case with handles.

**Includes** 25W soldering iron w/3-wire grounded plug & wire stand, stainless steel, vinyl-grip puller, digital multimeter, desoldering vacuum pump, 4-pc. solder ease kit, 5" cushion-grip, springed needle nose pliers, desoldering wick, 6-pc. precision screwdriver set, 4-1/2" cushion-grip, springed diagonal cutters, solder tube, premium cushion-grip wire stripper/cutter/crimper/pliers, parts box & 11-pc. screwdriver bit set (3 nut drivers, 2 Phillips, 2 slotted & 3 star bits).

Stk.	Mfr.	Qty.	Price
<b>390332</b>	TK-1500	32-Piece Set	<b>\$82.90</b>



**Electronic Tool Kit**

**Elenco** Professional technician service tool kit in a metal reinforced tool case with heavy-duty handle and locks. Removable, double-sided pallet handles most of the tools listed with additional tool storage in the lower half. Ramp in tool case secures meter.

**Includes** deluxe 25W soldering iron, soldering iron holder, 4-pc. solder ease kit, desoldering wick, desoldering pump, solder tube 63/37 rosin core, premium wire stripper, 6-pc. precision screwdriver set, 3 screwdrivers (3/16" slotted, #1 Phillips, pocket), IC puller, mini diagonal cutters, safety goggles, 11-pc. screwdriver bit set (handle, 3 nut drivers, 2 slotted, 2 Phillips & 3 star bits) & mini long nose pliers.

**Shown with meter & calculator, sold separately.**

Stk.	Mfr.	Qty.	Price
<b>390333</b>	TK-3000	34-Piece Set	<b>\$137.00</b>

**ROBOTICS**



**Robotic Arm Edge Kit**

**OWI** Students will command the gripper to open and close with 120° wrist motion, 300° elbow range, 270° base rotation, 180° base motion, 15" vertical reach, 12.6" horizontal reach and 100 g lifting capacity.

Added features include a search light on the gripper and a safety gear audible indicator on all 5 gear boxes to prevent any potential injury or gear breakage during operation. Total command and visual manipulation using the 5's (5 switch-wired controller, 5 motors & 5 joints).

**Includes** pre-assembled PC board, hardware & mechanical-drive systems.

**Requires 4 D batteries, sold separately, plus basic hand tools for assembly.**

Stk.	Mfr.	Item	Price
<b>390287</b>	OWI-535		<b>\$70.30</b>
<b>390274</b>	OWI-535-USB	PC Interface Kit	<b>\$50.40</b>



**TeachMover II Microbot**

**Questech** Challenge students to expand their robotic workcell knowledge using the TeachMover II. Features an updated PC board that has additional memory and an auxiliary motor that outputs programs from the Teach Pendant allowing students to synchronize the

movements of other material handling accessories.

- Internal power supply w/8 axis (vs. 6 axis on original TeachMover)
- Added height of base increases robot work envelope (+3.5")
- Rotary table can be programmed w/Teach Pendant
- Configuration 5 revolute axis & integral hand
- Teach control 4-mode, 17-function keyboard
- Control method Point to Point (PTP)
- Programming capacity 300 steps
- Gripper opening 3"

**Includes** teach control, power supply, interface cable, 10-day curriculum, rotary table & case.

Stk.	Mfr.	Price
<b>684064</b>	00200	<b>\$5,920.00</b>



### Mini Mimsy Robot Lab

**Picoturbine** Students may assemble in a single class period and use either pre-programmed experiments or write their own programs using the free Arduino IDE. Programming and wireless control can be accomplished using Mac, PC, iPad, or Android devices.

- Arduino Nano microcontroller w/I/O shield
- Continuous rotation servo drive train w/selectable gear ratio
- LCD screen shows running program information
- Extendable using 3D printed parts & sample 3D parts files

**Includes** 4 sensors (*bump, IR rangefinder, line following light & pushbutton for start/pause*), 10 experiments & sample programs.

Stk.	Mfr.	Price
<b>681525</b>	PRB10	<b>\$207.00</b>

### Bioid Robot Kits

The Bioid platform consists of components and small, modular servo motors called the AX-12A Dynamixels, which can be used in a daisy-chained fashion to construct robots of various configurations, such as wheeled, legged, or humanoid robots.

The robot is programmed with RoboPlus - a C language based software solution. The platform is currently in use by the U.S. Naval Academy in their Mechanical Engineering courses, and is also popular in the RoboCup international robotics competitions.

### Bioid STEM Standard



**Robots Lab** Kit is optimized for various robot projects. The kit comes with instructions of 7 example robots and 21 weeks of educational training. It provides an organized learning system by blending Science, Technology, Engineering and Mathematics.

**Includes** CM-530, 2 AX-12W DYNAMIXEL robot actuator, IR sensor array, 3 single IR sensor, 6 battery box, parallel power board, OLLO compatible plates & rivets, BIOLOID compatible frames, bolts/nuts, 6 3P BIOLOID compatible cables, screwdriver, OLLO tool, 3 5P sensor cable, battery cable, mini USB cable, 2 STEM curriculum guides & RoboPlus CD.

Stk.	Mfr.	Price
<b>769103</b>	BIOLOID STEM	<b>\$349.00</b>

### Bioid Premium Kit



**Robots Lab** Kit is a do-it-yourself educational robot kit using modular DC servo blocks. By using the components included into the kit, you can build various types of robot such as a scorpion, a spider, a dinosaur or a puppy.

- Excellent humanoid walking performance (*Adjusting posture while walking*)
- Various sensors including Gyro, DMS, IR & more external ports
- Remote control capability (*IR-default, Zigbee-optional*)
- C-style programming & motion teaching with RoboPlus S/W (*USB Interface included*)
- Transparent humanoid skin for customization
- Digital Packet communication with daisy chain topology
- Building various robots using versatile expansion mechanism

**Includes** CM-530 (*main controller-ARM cortex (32bit)*), 18 AX-12A servo motors (*Robot Actuator, Dynamixel*), gyro sensor (*2 Axis*), DMS, 2 IR sensor, RC-100A (*remote controller*), head & chest skin, SMPs for external power (*1.2V, 5A*), rechargeable battery (*1.1V, 1000mA/PCM*), lipo balance battery charger, screwdriver, cable holder, plastic frame set, quick start book & RoboPlus software CD.

Stk.	Mfr.	Price
<b>769104</b>	BIOLOID PREMIUM	<b>\$1,230.00</b>



### Robots Lab Box

**Robots Lab** A revolutionary teaching-aid demonstrating Algebra I & II, Physics, Geometry, Trigonometry and Pre-Calculus' core concepts using robots. The easy-to-use tablet includes 50 hrs. of interactive lessons, in-class quizzes and instructional videos, helping students understand why math is relevant to their world.

Without any prior experience in robotics or computer science, teachers can demonstrate abstract concepts like slope, sine, cosine and vectors right out of the BOX. The lesson plans are strictly aligned with mandated Common Core, TEKS and STAAR standards for middle and high school. Designed by teachers for teachers this affordable solution improves student's understanding and information retention; robots are the best engagement tool math and science classes have ever seen. 1-yr. mfr.'s warranty.

**Includes** tablet computer w/lessons, quizzes & 50 apps, ArmBot (*robotic arm*), AR.Drone (*quadcopter*), Sphero (*robotic ball*), Mobot (*mobile robot*) & 12 accessories.

### Standard Edition

Stk.	Mfr.	Price
<b>769100</b>	ROBOTSLAB-ST	<b>\$3,528.00</b>

**Deluxe Edition Includes** the above, plus 30 extra lessons (*subscription for 1-yr.*) & 1-yr. mfr.'s extended warranty.

Stk.	Mfr.	Price
<b>769101</b>	ROBOTSLAB-DE	<b>\$3,999.00</b>



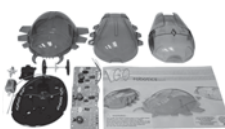
### Tumbling Robot

**Elenco** This little robot is tough! Run by a single motor, he walks with a decidedly "angry" pace - and if he falls over, he picks himself up again! An awesome design with an amazing gear mechanism, he will not quit! Easily built in under 1-hr. 3 modes: fall/get up, dance and somersault. For ages 12+.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390267</b>	EDU-62019	<b>\$32.20</b>

### Robotics Kit



**Elenco** Join forces with the world of robotics and assemble 3 fantastic robots (1 at a time). One robot detects objects using infrared rays, the wake-up robot is sensitive to light and the third robot is operated by any TV remote control.

A separate circuit and body are supplied for each robot: just fix the selected circuit onto the robot base and add the corresponding transparent body. No soldering required.

**Includes** 1 pre-assembled PC board & 3 robot bodies.

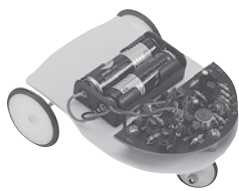
Stk.	Mfr.	Price
<b>390266</b>	EDU-7090	<b>\$42.80</b>



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**Cindy Jungers** ext. 3107  
cjungers@midwesttechnology.com





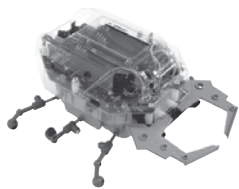
### Sound Reversing Car Kit

**Elenco** Learn electronics and mechanism by building this Sound Reversing Car. It is a simple voice control robot car by using a microphone as its detector. The car will move forward when you switch on the unit. When the microphone detects noise it will turn to the left for a

few seconds then keep forward moving again until the next signal received by the microphone. For ages 14+.

**Requires 2 AA batteries, sold separately. Soldering Required.**

Stk.	Mfr.	Price
<b>390307</b>	21881	<b>\$20.90</b>



### Scarab Robot Kit

**Elenco** A robot that uses 2 touch sensors to detect obstacles. When its antennas (*touch sensor*) detect an obstacle; robot will first step back and then automatically execute a two-step maneuver to avoid the obstacle. Robot can also be configured with different sets of movements. Ages 13+.

**Includes** 2 sets of legs.

**Requires 4 AA batteries, sold separately. Soldering required.**

Stk.	Mfr.	Price
<b>390306</b>	21884	<b>\$42.80</b>



### Jungle Robot Kit

**OWI** Robot transverses hand-over-hand like an orangutan or walks on the ground like a gorilla. If it's asleep, say "Wake up!" and Jungle Robot will start climbing or walking for a pre-set time, then reset itself waiting for another command. 2 move legs on each side by crankshaft. Sound sensor control with

condenser microphone/transistor light sensor/photo transistor.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390392</b>	OWI-9870	<b>\$49.80</b>



### Binary Player Robot

**OWI** Illustrates basic principles of binary coding. Robot controlled by infrared sensor reading black and white patterns programed onto a disc. Patterns activate wheels to turn left, right, forward, or pause.

**Requires 4 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390273</b>	OWI-9875	<b>\$54.70</b>



### Moon Walker II Robot

**OWI** A whimsical indication of future trends, Moon Walker II combines the technology of 2 sensors - light and sound. Build-it-yourself electronic robot begins to walk when it detects a change in light intensity or sound commands, continues its four-legged voyage until told to stop by an internal timer. 2 move legs on each side

by crankshaft. Sound sensor control with condenser microphone/transistor light sensor/photo transistor.

**Requires 1 AA battery, sold separately.**

Stk.	Mfr.	Price
<b>390480</b>	MV-979	<b>\$62.90</b>



### 3-in-1 All Terrain Robot

**OWI** Utilize different track modules and make your robot transform into 3 amazing variations: the forklift, rover, and gripper. Using the wired controller, command the robot to move forward, backward, turn, grip and lift. For ages 10+.

**Requires 4 AA Batteries, sold separately.**

Stk.	Mfr.	Price
<b>390292</b>	OWI-536	<b>\$62.60</b>



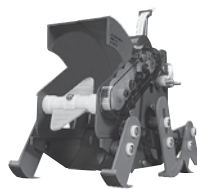
### Hyper Peppy Robot

**OWI** Explore the fundamentals of robotics with this informative and entertaining robot kit. Intelligent robot with a touch/sound sensor. If robot comes in contact with an object or hears a loud noise (*such as hands clapping*), it automatically reverses, then turns left before

embarking on a new course. Sound sensor control with condenser microphone. Requires only basic hand tools. For ages 10+.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390467</b>	OWI-969	<b>\$54.60</b>



### Soccer Jr. Robot

**OWI** Interactive robot has 6 operational legs, plus retrieving and kicking mechanism. Wired controller activates movement and ball control. Runs forward, backward, turns left or right and executes 360° turns. This one even helps develop eye/hand coordination skills. For ages 10+.

**Includes** controller & ball.

**Requires 4 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>390337</b>	OWI-9820	<b>\$67.30</b>



### Library Tech Space

**Midwest** No library is complete without this creative workspace! A place where kids can put their ideas to work with access to information and tools at their fingertips. Future engineers

and hobbyists will flock to a well-equipped workspace to share ideas with the community. Expand your learning center with this library tech package.

The package includes all aspects of a tech lab. From robots to electrical tools, each item fosters innovation and sparks creative problem solving. Students and teachers will delve into the creative process while learning about engineering procedures, computer programming and building techniques.

Start your students on a path to success while teaching them the importance of Science, Technology, Engineering and Math!

**Includes** Elenco Robotics Kit, Elenco 300-In-1 Electronic Project Lab, Makey Makey Standard Kit, Raspberry Pi B Starter Kit, littleBits Base Kit, Getting Started w/Arduino Kit, Bioloid Stem Standard Robot Kit & Electronic Tool Kit.

Stk.	Mfr.	Price
<b>58220</b>	MW-LTSP	<b>\$995.00</b>

## PLASTICS

### Strip Heaters



**Quincy** Black heat, low watt density, incoloy sheathed elements for heat source. Covers of heavy gauge steel, painted tan, hammer-baked on silicone enamel.

Stk.	Mfr.	Volts	Working Area	Price
<b>686525</b>	13-160	115	21"L x 7"W	<b>\$161.00</b>
<b>686540</b>	23-160	115	33"L x 7"W	<b>\$223.00</b>

### Replacement Element

Stk.	Mfr.	Volts	Working Area	Price
<b>686527</b>	1212-13		21"L x 7"W	<b>\$64.10</b>
<b>686542</b>	1212-23		33"L x 7"W	<b>\$77.20</b>

### Acrylic Sheets

**Olson Mfg.** Durable, translucent acrylic sheets may be cut, sawed, drilled, routed or cemented. Lightweight, high-impact performance and durability. Excellent weatherability, high optical quality, heat resistant, easily thermoformed, resists chipping and melting, excellent color consistency and uniformity.

Stk.	Mfr.	Size	Color	Price
<b>614950</b>	F2-1/8	1/8" x 12" x 24"	Clear	<b>\$14.10</b>
<b>614952</b>	2447	1/8" x 12" x 24"	White	<b>\$16.50</b>
<b>614948</b>	2119	1/8" x 12" x 24"	Orange	<b>\$16.50</b>
<b>614951</b>	2283	1/8" x 12" x 24"	Red	<b>\$16.50</b>
<b>614954</b>	2050	1/8" x 12" x 24"	Blue	<b>\$16.50</b>
<b>614955</b>	F2-1/4	1/4" x 12" x 24"	Clear	<b>\$27.90</b>
<b>614956</b>	2447	1/4" x 12" x 24"	White	<b>\$27.90</b>
<b>614949</b>	2119	1/4" x 12" x 24"	Orange	<b>\$27.90</b>
<b>614958</b>	2283	1/4" x 12" x 24"	Red	<b>\$27.90</b>
<b>614959</b>	2050	1/4" x 12" x 24"	Blue	<b>\$27.90</b>
<b>614960</b>	F2436-1/8	1/8" x 24" x 36"	Clear	<b>\$45.80</b>
<b>614961</b>	F2436-1/4	1/4" x 24" x 36"	Clear	<b>\$62.60</b>

### Acrylic Cutter



**Fletcher-Terry** Double-edged cutter with 2 tips for normal or extra-pressure scoring of acrylics. Plastic handle.

Stk.	Mfr.	Length	Price
<b>943250</b>	05-111C	9-1/2"	<b>\$6.58</b>

### Laminate J Roller



**Marshalltown** For use by plastic laminate installers. Recessed end permits rolling near backsplashes, walls.

Stk.	Mfr.	Size	Price
<b>528347</b>	JR008	1-1/2" dia. x 3"W	<b>\$15.80</b>

### LCD Heat Gun



**DEWALT** LCD allows temperature adjustments within 50° increments. Features overload protection to shut down heating element (preventing burn up), ergonomic comfort grip, kickstand and hang ring. 3-yr. mfr.'s warranty.

120V, 13 Amps. Weight 2.3 lbs.

**Includes** 10' cord w/protector, cone & fishtail surface nozzles.

Stk.	Mfr.	Watts	Air Flow	Max. Temp.	Price
<b>242852</b>	D26960	1,550	17.7 CFM	150° - 1,100°F	<b>\$146.00</b>



### 1500W Heat Gun

**PORTER-CABLE** Variable temperature dial allows for easy adjustment of temperatures. Integrated support stand allows the gun to sit upright for hands free use. Hanging hook is ideal for storage. 6' high grade cord improves flexibility during cold use.

Weight 2 lbs.

Stk.	Mfr.	Watts	Air Flow	Max. Temp.	Price
<b>626673</b>	PCI500HG	1,500	19 CFM	120° - 1,150°F	<b>\$45.50</b>



### Laboratory Bench Ovens

**Quincy** Oven features double-wall construction, scratch-proof rubber feet, incoloy sheathed elements with automatic thermo control, pilot light heat indicator and mercury thermometer.

- Alumined interior to inhibit corrosion due to moisture
- Euro-style controls & control panel
- Full-length piano type hinge
- 1" mineral wool insulation
- Positive door latch

115V, 1 phase. Temp. Range 428°.

**Includes** 6' cord w/plug & 2 adjustable shelves.

### Model 10GC Interior oven 12"W x 10"D x 10"H.

Stk.	Mfr.	Item	Watts	Price
<b>686520</b>	10GC		600	<b>\$476.00</b>
<b>686522</b>	101-1000	Shelf		<b>\$32.40</b>
<b>686523</b>	101-1001	Supports, 2/pkg.		<b>\$12.00</b>

### Model 30GC Interior oven 18"W x 12"D x 16"H.

Stk.	Mfr.	Item	Watts	Price
<b>686550</b>	30GC		1,200	<b>\$689.00</b>
<b>686552</b>	101-3000	Shelf		<b>\$43.20</b>
<b>686553</b>	101-3001	Supports, 2/pkg.		<b>\$12.00</b>

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Al Ryan ext. 3130  
aryan@midwesttechnology.com





**Bench Ovens**

**Quincy** Use for drying and baking finishes or for preheating, curing, dehydrating and many other processes.

- Fan-forced air circulation provides even work area temperature

- Incoloy-sheathed heating elements
- Fiberglass insulation for ultimate cleanliness & insulating quality
- Steel-lined interior is welded into 1 durable piece for long life
- Fully-gasketed doors maintain even temps throughout cabinet
- Adjustable damper control allows fresh air to enter back of cabinet to help control temperature when thermostat is not purchased
- Shelves are adjustable on 1-1/2" centers for a total of 11 possible shelf positions (*unit is supplied w/2 shelves*)
- Piano-type door hinges allow proper alignment & fit
- Calibrated dial type high-low heat switch for economical operation
- Silicone baked enamel finish is applied after completely cleaning metal w/ iron phosphate cleaner for firm paint bond

**Includes** 6' cord with plug.

**Model 21-250** Interior 25.5" x 19.75" x 24". Exterior 33" x 24" x 35.5". Cubic capacity 7'.

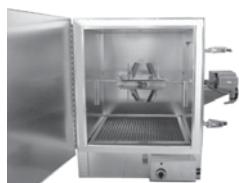
Stk.	Mfr.	Volts	Phase	Watts	Temp. Range	Price
<b>686532</b>	21-250	115	1	1,000	300°F	<b>\$1,687.00</b>

**Model 21-350** Interior 25.5" x 19.75" x 24". Exterior 33" x 24" x 35.5". Cubic capacity 7'.

Stk.	Mfr.	Volts	Phase	Watts	Temp. Range	Price
<b>686534</b>	21-350	115	1	2,000	450°F	<b>\$1,750.00</b>

**Model 51-550** Interior 25.5" x 19.75" x 22.5". Exterior 33" x 24" x 35.5". Cubic capacity 6.60'.

Stk.	Mfr.	Volts	Phase	Watts	Temp. Range	Price
<b>686570</b>	51-550	230	1	3,000	550°F	<b>\$2,049.00</b>



**Rotational Ovens**

**Quincy** Dual rotational unit features a steel gear drive mechanism. Oven is heavy 22 ga. galvanized metal inside and out. Cal rod heating element. 2" board-type insulation. Remove oven's rotational unit in seconds to use the oven for other applications.

Temp. range 100-550°F.

**Includes** 2 universal, quick-disconnect mold holders.

Stk.	Mfr.	Watts	Exterior Dimensions	Price
<b>478247</b>	RO110	1,000	18"W x 15"H x 15"D	<b>\$2,494.00</b>
<b>478248</b>	RO210	2,000	20"W x 22"H x 22"D	<b>\$2,707.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*



**Manual Injection Molder**

**Crystal Alloy** Simple-to-use, electronic heat control unit for demonstrating the process of hands-on injection molding. Industrial-quality components mounted on a sturdy, corrosion-resistant aluminum frame.

- Over-center mold clamp
- Teflon-coated ram & heater block
- GFI safety switch
- Uses pellets of styrene, polyethylene or polypropylene

**Includes** purge block, filler tool, wooden crate & manual.

Stk.	Mfr.	Volts	Capacity	Max. Temp.	Clamping Pressure	Price
<b>478240</b>	66M	110	2/3 oz.	550°F	2,500 lbs.	<b>\$1,967.00</b>

**Injection Molds lasco** For use with Manual Injection Molder Mfr. 66M.

Stk.	Mfr.	Item	Price
<b>478251</b>	IAPCO NO.1	Screwdriver Handle	<b>\$128.00</b>
<b>478252</b>	IAPCO NO.2	Checker Game Piece	<b>\$128.00</b>
<b>478253</b>	IAPCO NO.9	Golf Tee	<b>\$128.00</b>
<b>478254</b>	IAPCO NO.16	CO2 Racer Front Wheel	<b>\$128.00</b>
<b>478255</b>	IAPCO NO.17	CO2 Racer Rear Wheel	<b>\$128.00</b>



**Therm-O-Vac Vacuum Former**

**Nichols** Indispensable for fast, efficient 3D modeling, prototyping, packaging, fabricating and mold making. A safe and fascinating hands-on portable vacuum former for styrene plastic sheets over a variety of vacuum forming molds. User-friendly, open design allows

custom molds to be exposed to reduced temperatures, greatly expanding materials to be used as molds or forms.

To operate, simply mount a sheet of high impact polystyrene plastic in the pivoting latch-lock frame, lay pattern on the vacuum platen and cycle machine. Unobstructed vacuum surface allows rearranging and straightening of layout up to the final seconds before forming.

Free-standing, self-contained unit compacts to suitcase size for storage. Set-up time is less than 90 seconds. A 3-way switch operates both plastic heating and vacuum forming sides of the unit.

110V. Tool weight 32 lbs.

**Includes** 12 asst. polystyrene sheets.

**Molds required, but sold separately.**

Stk.	Mfr.	Price
<b>478241</b>	10-B	<b>\$1,671.00</b>

**Therm-O-Vacuum Former Molds Nichols**

Stk.	Mfr.	Item	Size	Price
<b>478242</b>	FM11	Horse Head	7-1/4" x 7-1/4"	<b>\$42.00</b>
<b>478243</b>	FM13B	Ship (medium size)	6" x 7-1/2"	<b>\$25.90</b>
<b>478244</b>	FM14B	Duck (medium size)	6" x 7"	<b>\$19.40</b>
<b>478245</b>	FM39	Moose Head	7" x 8"	<b>\$32.30</b>
<b>478246</b>	FM53	Pointer Dog	6" x 10-1/2"	<b>\$25.10</b>

**Vacuum Sheet Pack Nichols** 65 high-quality virgin-grade, high-impact polystyrene sheets. Assorted colors & thickness from .020 to .060.

Stk.	Mfr.	Price
<b>478250</b>	VSP-20	<b>\$94.90</b>

## WORK BENCHES



### STEM Robotics Workstations

**Hann** This workbench with shelves is a great centerpiece for any robotics program. The perimeter of the top is 3/4" thick solid hard maple which extends 1-1/2" above the Fibersin surface. The result is a sturdy work surface that keeps small parts from falling onto the

ground and provides a functional perimeter for robot trials.

The base provides storage while the top acts as both an assembly area and proving ground. Double-sided cabinet composed of solid hard maple and hard maple plywood. Features heavy-duty face frame construction. Top overhangs the base by roughly 9" on all sides.

Overall size 49"W x 61"D x 32"H.

Stk.	Mfr.	Item	Price
<b>439405</b>	SWSR-3131	Base Cabinet w/2 Doors	<b>\$1,620.00</b>
<b>439406</b>	SWSR-3232U	Base Cabinet w/2 Doors & 2 Drawers	<b>\$1,896.00</b>



### Open Leg Work Benches

**Hann** Wall bench series features 4"H rear maple curb and angle iron front edge. Tops are 2-1/4"T laminated maple. Legs are 2-1/4" square maple with bolt reinforcements at all stringers. Lower shelf is 12"D with rear curb. Natural finish.

**Includes** lower shelf & assembly hardware.

Stk.	Mfr.	Overall Size	Price
<b>439254</b>	AB-632	72"W x 24"D x 32"H	<b>\$1,173.00</b>
<b>439255</b>	AB-832	96"W x 24"D x 32"H	<b>\$1,320.00</b>
<b>439257</b>	AB-637	72"W x 24"D x 37"H	<b>\$1,207.00</b>
<b>439258</b>	AB-837	96"W x 24"D x 37"H	<b>\$1,352.00</b>



### Economy Work Benches

**Midwest** Features 2 Montisa Learning channel braces, 2 bench legs with a 2-1/4"T Bally Block top. 14 ga. steel base is with flared legs for extra stability. Channel braces secure legs eliminating side sway. Foot is punched for easy floor attachment. Gray baked enamel finish.

**1-2 Station Top 28"W x 64"D x 2-1/4"H. Base 23-1/2"W x 30"H.**

Stk.	Mfr.	Vises	Price
<b>549040</b>	C2864A	None	<b>\$649.00</b>
<b>549041</b>	C2864B	1 Wilton (7")	<b>\$799.00</b>
<b>549042</b>	C2864C	2 Wilton (7")	<b>\$989.00</b>

**4 Station Top 54"W x 64"D x 2-1/4"H. Base 35-1/2"W x 30"H.**

Stk.	Mfr.	Vises	Price
<b>549328</b>	5464A	None	<b>\$999.00</b>
<b>549462</b>	5464E	4 Wilton (7")	<b>\$1,689.00</b>
<b>549463</b>	5464F	4 Wilton (10")	<b>\$2,100.00</b>



### 2-Station Work Benches

**Shain** 2-Station single-faced unit with solid maple construction and maple veneer. 2 locking doors have pulls and 5-knuckle heavy-duty hinges. 2 drawers(14"W x 18"D x 6"H) with dovetail construction, solid maple fronts and locks roll easily on epoxy-coated glides. 2-1/4"T maple top. Earth-friendly UV finish.

Top 64"W x 28"D x 2-1/4"H. Base 35"W x 23"D x 29"H.

Stk.	Mfr.	Vises	Price
<b>155364</b>	WW232-0V	None	<b>\$1,360.00</b>
<b>562600</b>	WW232-1V	1 Wilton (7")	<b>\$1,395.00</b>
<b>562601</b>	WW232-2V	2 Wilton (7")	<b>\$1,595.00</b>



### 2 or 4 Station Open-Style Work Benches

**Shain** Base is built with solid maple legs and frame. Maple plywood storage shelf. Steel corner braces. Earth-friendly UV finish. 2-1/4"T maple top. Light assembly.

**2 Station Top 64"W x 28"D x 2-1/4"H. Base 47"W x 24"D x 31-1/4"H.**

Stk.	Mfr.	Vises	Price
<b>155358</b>	WW2-0V	None	<b>\$1,078.00</b>
<b>562610</b>	WW2-1V	1 Wilton (7")	<b>\$1,195.00</b>
<b>562611</b>	WW2-2V	2 Wilton (7")	<b>\$1,350.00</b>

**4 Station Top 64"W x 54"D x 2-1/4"H. Base 47"W x 37"D x 31-1/4"H. Ships in 5 business days! Quantity restrictions apply.**

Stk.	Mfr.	Vises	Price
<b>155365</b>	WW4-0V	None	<b>\$1,635.00</b>
<b>562630</b>	WW4-4V	4 Wilton (7")	<b>\$2,195.00</b>



### 4-Station Work Benches

**Hann** Ideal for school shop, crafts room or art department. Base is hand built of heavy maple

framing and hardwood paneling. Bally Block maple top. Natural finish.

Top 64"W x 54"D x 2-1/4"T. Base 35"W x 22"D x 29-3/4"H (ea.).

**12 Drawers 12 master-keyed locking dovetailed drawers with handles.**

Stk.	Mfr.	Vises	Price
<b>439320</b>	LCB-30-0V	None	<b>\$2,400.00</b>
<b>562640</b>	LCB-30-4V	4 Wilton (7")	<b>\$2,995.00</b>

**4 Doors 2 master-keyed locking double-door cabinets.**

Stk.	Mfr.	Vises	Price
<b>439321</b>	LCB-31-0V	None	<b>\$1,984.00</b>
<b>562641</b>	LCB-31-4V	4 Wilton (7")	<b>\$2,595.00</b>



### 4-Station Work Bench w/12 Lockers

**Shain** 12 lockers in a base constructed of solid maple framing with maple veneer. Locking doors have pulls and 5-knuckle heavy-duty hinges. 2-1/4"T maple top. Earth-friendly UV finish.

Locker openings (12) 11"W x 21"D x 11-1/8"H.

Top 64"W x 54"D x 2-1/4"H. Base 36"W x 42"D x 29"H.

Stk.	Mfr.	Vises	Price
<b>155360</b>	WW12-0V	None	<b>\$2,620.00</b>
<b>562605</b>	WW12-4V	4 Wilton (7")	<b>\$2,995.00</b>



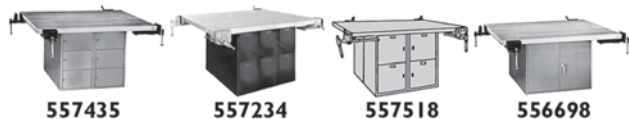
### 8-Station Work Bench

**Hann** This unit can serve as a training module or project center for up to eight students. Each wing provides workspace while the center allows space for parts and materials. 2-1/4" hard maple top includes a center octagonal section that measures 56" across and 4 wings which are all 32"W x 30"D.

Top overhangs the base cabinets by roughly 4" on all sides. Base cabinets all feature heavy-duty solid hard maple face frame construction. Base cabinet under each wing includes an adjustable shelf. Drawer cabinets in the center include 3 drawers. Upper drawers measure 16"W x 13"D x 4"H (I.D.) and the lower drawer measures 16"W x 13"D x 8"H (I.D.).

Overall height 32".

Stk.	Mfr.	Price
<b>439495</b>	WBS-31	<b>\$6,453.00</b>



#### 4-Station Work Islands

**Midwest** Bally Block Tops used on all work benches listed, are carefully selected solid maple woods are electronically bonded (*laminated*) together by the famous Wood Welded® construction using controlled pressure and resin adhesives. The surfaces and edges are accurately planed and sanded, then covered with a special wear-resistant finish - Durakryl™ 102. This tough, nontoxic coating will repel alcohol, bleach, even paint thinner.

Montisa Learning Bases feature all-welded heavy gauge steel construction with spring-hinged doors. Lockers have a separate padlock hasp with knockout plug for a cylinder lock. Door units include adjustable shelf and master-keyed 2-point cylinder lock mounted in aluminum handle. (*Number plates sold separately.*) Gray baked enamel finish. Bases are shipped set up. Top 54"W x 64"D x 2-1/4"H. Base 36"W x 42"D x 31"H.

#### 12 Flat Lockers

Stk.	Mfr.	Vises	Base Units	Price
557368	MW12SA	None	(2) Mfr. 4166	\$1,495.00
557435	MW12SC	4 Wilton (7")	(2) Mfr. 4166	\$2,195.00
557503	MW12SF	4 Wilton (10")	(2) Mfr. 4166	\$2,499.00

#### 12 Lockers

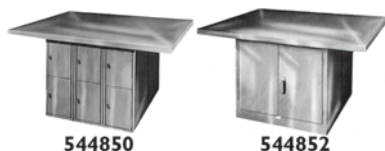
Stk.	Mfr.	Vises	Base Units	Price
557167	MW12A	None	(2) Mfr. 4160	\$1,575.00
557234	MW12C	4 Wilton (7")	(2) Mfr. 4160	\$2,249.00
557302	MW12F	4 Wilton (10")	(2) Mfr. 4160	\$2,559.00

#### 8 Lockers

Stk.	Mfr.	Vises	Base Units	Price
557515	MW68A	None	(2) Mfr. 4168	\$1,595.00
557518	MW68E	4 Wilton (7")	(2) Mfr. 4168	\$2,225.00
557519	MW68F	4 Wilton (10")	(2) Mfr. 4168	\$2,599.00

#### 2 Double Door Units

Stk.	Mfr.	Vises	Base Units	Price
556564	MW8A	None	(2) Mfr. 4140	\$1,399.00
556698	MW8E	4 Wilton (7")	(2) Mfr. 4140	\$1,995.00
556699	MW8F	4 Wilton (10")	(2) Mfr. 4140	\$2,399.00



#### Metalworking Benches

**Montisa Learning** Heavy-gauge steel top with 2" thick core of layered particleboard and plywood. Steel top corners are welded and ground smooth. Top surface is enamel finished. Base is all-welded construction with gray baked enamel finish. Base units are shipped set up.

Base 36"W x 21"D x 31"H. Top 64"W x 54"D x 2"T.

#### 12 Locker Unit

Stk.	Mfr.	Base Units	Openings	Price
544850	MW6020	(2) Mfr. 4160	12	\$1,399.00

#### 2 Double Door Units

Stk.	Mfr.	Base Units	Openings	Price
544852	MW6021	(2) Mfr. 4140		\$1,189.00

#### Wall Assembly Units

*Bally Block Tops* are carefully selected solid maple woods electronically bonded (*laminated*) together by the famous Wood Welded® construction using controlled pressure and resin adhesives. The surfaces and edges are accurately planed and sanded, then covered with a special wear-resistant finish - Durakryl™ 102. This tough, nontoxic coating will repel alcohol, bleach, even paint thinner.

*Shop tops* are made with 3/8" T, high-density phenolic resin board on top and bottom, with a 1" T core of industrial particle board. Banded with solid hard maple.

*Montisa Learning Bases* feature all-welded heavy gauge steel construction. *Shop locker bases* feature 3 spring hinged double door units. Adjustable shelf and reinforced doors with master-keyed cylinder lock mounted in chrome handle. Gray baked enamel finish. Bases are shipped set up.



#### Locker Units

**Midwest** All base units are 21"D x 31"H. All tops are 24"D.

#### 8 Lockers Base units (1) Mfr. 4160, (1) Mfr. 4162.

Stk.	Mfr.	Base	Top	Price
561321	WA15	4"W	1-3/4"T x 5"W	\$895.00
561656	WA25	4"W	2-1/4" x 5"W	\$995.00

#### 10 Lockers Base units (1) Mfr. 4160, (2) Mfr. 4162.

561388	WA16	5"W	1-3/4"T x 6"W	\$1,149.00
561723	WA26	5"W	2-1/4" x 6"W	\$1,195.00

#### 12 Lockers Base units (2) Mfr. 4160.

561455	WA17	6"W	1-3/4"T x 7"W	\$1,195.00
561790	WA27	6"W	2-1/4" x 7"W	\$1,295.00

#### 14 Lockers Base units (2) Mfr. 4160, (1) Mfr. 4162.

561522	WA18	7"W	1-3/4"T x 8"W	\$1,395.00
561857	WA28	7"W	2-1/4" x 8"W	\$1,495.00

#### 16 Lockers Base units (2) Mfr. 4160, (2) Mfr. 4162.

561589	WA19	8"W	1-3/4"T x 9"W	\$1,695.00
561924	WA29	8"W	2-1/4" x 9"W	\$1,829.00

#### 18 Lockers Base units (3) Mfr. 4160.

561991	WA110	9"W	1-3/4"T x 10"W	\$1,650.00
562125	WA210	9"W	2-1/4" x 10"W	\$1,895.00

#### 22 Lockers Base units (3) Mfr. 4160, (2) Mfr. 4162.

562058	WA112	10"W	1-3/4"T x 12"W	\$2,229.00
562192	WA212	10"W	2-1/4" x 10"W	\$2,495.00



#### 3 Double Door Units

**Midwest** All base units are 21"D x 31"H. All tops are 24"D. Base units (3) Mfr. 4140.

Stk.	Mfr.	Base	Top	Price
562259	WCC-1	9"W	1-3/4"T x 10"W	\$1,350.00
562326	WCC-2	9"W	2-1/4"T x 10"W	\$1,525.00



#### 3 Sliding Door Bench Units

**Midwest** All base units are 21"D x 31"H. All tops are 24"D. Base units (3) Mfr. 4135.

Stk.	Mfr.	Base	Top	Price
562527	WCSD-1	11"W	1-3/4"T x 12"W	\$1,225.00
562594	WCSD-2	11"W	2-1/4"T x 12"W	\$1,525.00

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!



### General Utility Bench Units

**Midwest** All base units are 21"D x 31"H. All tops are 24"D.

Base units (1) Mfr: 4140, (2) Mfr: 4162, (1) Mfr: 4166, (1) Mfr: 5001, (1) Mfr: 5004.

**Tops shipped in 2 pieces.**

Stk.	Mfr.	Item	Base	Top	Price
<b>561254</b>	U12	1-3/4" Shop Top	11"W	12"W	<b>\$2,395.00</b>
<b>561255</b>	U12-1	1-3/4" Maple Top	11"W	12"W	<b>\$2,495.00</b>
<b>561256</b>	U12-2	2-1/4" Maple Top	11"W	12"W	<b>\$2,695.00</b>



### Steel Lockers

**Montisa Learning** Lockers have all-welded, 1-section construction w/ reinforced side panels (20 ga.). Doors (18 ga.) w/spring hinges, padlock hasp & knockout plug for cylinder lock. Gray baked enamel finish. Shipped set up.

#### Quantity Savings!

#### 4-Lockers

Stk.	Mfr.	Overall Size WxDxH	Opening WxDxH	Qty.	Price	2 or more
<b>210826</b>	4168	36" x 21" x 31"	18" x 21" x 15"	1	<b>\$401.00</b>	<b>\$359.00</b>

#### 6-Vertical Lockers

<b>210834</b>	4170	36" x 21" x 27"	12" x 21" x 13"	1	<b>\$552.00</b>	
<b>210556</b>	4160	36" x 21" x 31"	12" x 21" x 15"	1	<b>\$436.00</b>	<b>\$393.00</b>

#### 6-Horizontal Lockers

<b>210824</b>	4166	36" x 21" x 31"	18" x 21" x 10"	1	<b>\$375.00</b>	<b>\$339.00</b>
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### 2-Locker Base Units

**Montisa Learning** All lockers are 21"D.

Stk.	Mfr.	Overall Size	Opening	Qty.	Price
<b>210690</b>	4162	12"W x 31"H	12"W x 15"H	1	<b>\$216.00</b>
<b>210825</b>	4167	18"W x 31"H	18"W x 15"H	1	<b>\$265.00</b>
<b>210838</b>	4172	12"W x 27"H	12"W x 13"H	1	<b>\$233.00</b>



### 3-Locker Base Unit

**Montisa Learning** 3-horizontal lockers.

Overall size 18"W x 21"D x 31"H.  
Opening size 18"W x 21"D x 10"H.

Stk.	Mfr.	Price
<b>210757</b>	4165	<b>\$262.00</b>



### Steel Cabinets

**Montisa Learning** Cabinets have all-welded, 1-section construction w/ reinforced side panels (20 ga.). Doors (18 ga.) w/spring hinges, padlock hasp & knockout plug for cylinder lock. Gray baked enamel finish. Shipped set up.

Overall size 18"W x 21"D x 31"H.

#### 1 Door & Adjustable Shelf Opening 18"W x 21"D x 31"H.

Stk.	Mfr.	Price
<b>211293</b>	5001	<b>\$267.00</b>

#### 2 Drawers Drawers (2) 15"W x 20-3/4"D x 13-1/2"H.

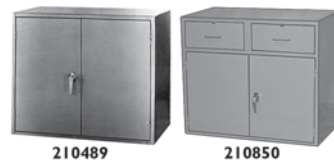
<b>211360</b>	5002	<b>\$404.00</b>
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#### 3 Drawers Drawers (2) 15"W x 20-3/4"D x 6"H, (1) 13-1/2"H.

<b>211427</b>	5003	<b>\$489.00</b>
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#### 4 Drawers Drawers (4) 15"W x 20-3/4"D x 6"H.

<b>211494</b>	5004	<b>\$558.00</b>
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### Shop Lockers

**Montisa Learning** Lockers have all-welded, 1-section construction w/ reinforced side panels (20 ga.). Doors (18 ga.) w/spring hinges.

Keypad or master keyed cylinder lock mounted in chrome handle with 2-point locking device. Gray baked enamel finish. Shipped set up.

Includes 1 adjustable shelf.

**Includes** 1 adjustable shelf.

#### Quantity Savings!

#### 2 Doors

Stk.	Mfr.	Overall Size	Qty.	Price	2 or more
<b>210489</b>	4140	36"W x 21"D x 31"H	1	<b>\$321.00</b>	<b>\$289.00</b>
<b>210500</b>	4150	36"W x 21"D x 27"H	1	<b>\$408.00</b>	

#### 2 Doors & Drawers Drawers (2) 15"W x 19-3/4"D x 6"H. Drawer cylinder lock sold separately.

<b>210850</b>	4180	36"W x 21"D x 31"H	1	<b>\$635.00</b>	<b>\$569.00</b>
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### Locker w/Sliding Door

**Montisa Learning**

Overall size 36"W x 21"D x 31"H.

Stk.	Mfr.	Price
<b>210422</b>	4135	<b>\$295.00</b>



### Number Plates

**Montisa Learning** For Montisa Learning shop lockers. **Please specify number(s).**

Stk.	Mfr.	Qty.	Price
<b>207208</b>	74NP	1	<b>\$3.15</b>

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### Key & Cylinder Locks

**Montisa Learning** Deadbolt-type lock cannot be sprung back w/knife or screwdriver. Cylinder locks are keyed differently.

Stk.	Mfr.	Item	Price
<b>216100</b>	870049	Sliding Doors, cylinder	<b>\$13.20</b>
<b>216101</b>	8700491	Sliding Doors, cylinder (installed)	<b>\$30.40</b>
<b>216106</b>	870053	Hinged Doors, Drawer, cylinder	<b>\$11.30</b>
<b>216107</b>	8700531	Hinged Doors, Drawer, cylinder (installed)	<b>\$19.00</b>
<b>216115</b>	870240	Locking Handle, cylinder	<b>\$14.60</b>
<b>216116</b>	8702401	Locking Handle, cylinder (installed)	<b>\$21.00</b>
<b>216120</b>	870247	Master Key for cylinder lock	<b>\$4.81</b>
<b>216117</b>	870241	Master Key for locking handle	<b>\$16.90</b>



### Built-in Master-keyed Combination Lock

**Montisa Learning** Combination lock is shipped factory-mounted in locker doors (when specified) to provide master-key control by instructor. Different combination settings can be obtained on each lock for reset each term.

Stk.	Mfr.	Price
<b>209910</b>	1654	<b>\$26.50</b>

### Montisa Learning Bench Components

**Montisa Learning** Please specify color: gray, forest green or dark tan. Gray will be shipped if not specified.

**Bench Legs** Uprights of formed steel. 4"W top cross member is punched for attaching tops. 2-1/2"W shelf cross member is punched for attaching shelves. Stable feet are flared and punched for floor mounting.

Stk.	Mfr.	Overall Size	Qty.	Price
<b>209000</b>	475	23-1/2"D x 30"H	1	<b>\$95.10</b>
<b>209001</b>	476	29-1/2"D x 30"H	1	<b>\$92.20</b>
<b>209005</b>	478	35-1/2"D x 30"H	1	<b>\$106.00</b>
<b>209015</b>	480	23-1/2"D x 32"H	1	<b>\$95.50</b>
<b>209082</b>	481	29-1/2"D x 32"H	1	<b>\$101.00</b>
<b>209150</b>	483	35-1/2"D x 32"H	1	<b>\$107.00</b>
<b>209216</b>	485	23-1/2"D x 34"H	1	<b>\$94.90</b>
<b>209283</b>	486	29-1/2"D x 34"H	1	<b>\$101.00</b>
<b>209351</b>	488	35-1/2"D x 34"H	1	<b>\$106.00</b>

**Bench Legs Top Hardware Pkg.** Attaches bolts to connect legs to wood tops.

Stk.	Mfr.	Overall Size	Qty.	Price
<b>216070</b>	4824363		1	<b>\$2.44</b>

**Channel Braces** Reinforces legs and adds rigidity to any type of bench with a leg brace. Use for additional bracing when a shelf is not used. All fastenings furnished. 14 ga. steel.

Stk.	Mfr.	Overall Size	Qty.	Price
<b>207139</b>	73	4'L	1	<b>\$31.40</b>
<b>207206</b>	74	5'L	1	<b>\$51.40</b>
<b>207273</b>	75	6'L	1	<b>\$84.90</b>
<b>207275</b>	76	8'L	1	<b>\$84.90</b>

**Shelves** Shelves of 16 ga. steel provide structural rigidity as well as storage space. Flanged on the front edge, shelf attaches to cross member between legs. Order 10-1/4"W for 24" bench & 16-1/4"W for all other bench sizes.

Stk.	Mfr.	Overall Size	Qty.	Price
<b>207541</b>	82	4'L x 16-1/4"D	1	<b>\$107.00</b>
<b>207608</b>	83	4'L x 10-1/4"D	1	<b>\$68.80</b>
<b>207675</b>	86	5'L x 16-1/4"D	1	<b>\$153.00</b>
<b>207742</b>	87	5'L x 10-1/4"D	1	<b>\$91.40</b>
<b>207809</b>	89	6'L x 10-1/4"D	1	<b>\$92.40</b>
<b>207876</b>	90	6'L x 16-1/4"D	1	<b>\$175.00</b>
<b>208080</b>	95	8'L x 10-1/4"D	1	<b>\$98.10</b>
<b>208082</b>	96	8'L x 16-1/4"D	1	<b>\$181.00</b>



### Butcher Block Bench Tops

**Bally Block** Select, edge-grain solid butcher block machine and work bench work surfaces are

specially chosen for rugged wear. Wood Welded® laminate construction using controlled pressure and resin adhesives creates a rock-hard bond. Surface and edges are precision planed, sanded and coated with wear-resistant Durakryl™ 102 finish to repel alcohol, bleach, even paint thinner! Top can be resurfaced or repaired without special tools or skill.

#### Quantity Savings!

#### 2-1/4" 2-Student Top

Stk.	Mfr.	Overall Size	Qty.	Price	2 or more
<b>165747</b>	28X64X2-1/4	64"L x 28"D	1	<b>\$415.00</b>	

#### 2-1/4" 4-Student Top

<b>128134</b>	54X64X2-1/4	64"L x 54"D	1	<b>\$786.00</b>	<b>\$699.00</b>
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#### 1-3/4" Top

<b>128335</b>	24X48X1-3/4	4'L x 24"D	1	<b>\$243.00</b>	
<b>128402</b>	24X60X1-3/4	5'L x 24"D	1	<b>\$303.00</b>	
<b>128469</b>	24X72X1-3/4	6'L x 24"D	1	<b>\$340.00</b>	
<b>128536</b>	24X84X1-3/4	7'L x 24"D	1	<b>\$396.00</b>	
<b>128603</b>	24X96X1-3/4	8'L x 24"D	1	<b>\$404.00</b>	
<b>128670</b>	24X108X1-3/4	9'L x 24"D	1	<b>\$451.00</b>	
<b>128737</b>	24X120X1-3/4	10'L x 24"D	1	<b>\$445.00</b>	
<b>165479</b>	24X144X1-3/4	12'L x 24"D	1	<b>\$588.00</b>	
<b>128804</b>	30X48X1-3/4	4'L x 30"D	1	<b>\$303.00</b>	
<b>128871</b>	30X60X1-3/4	5'L x 30"D	1	<b>\$354.00</b>	
<b>128938</b>	30X72X1-3/4	6'L x 30"D	1	<b>\$394.00</b>	
<b>129005</b>	30X84X1-3/4	7'L x 30"D	1	<b>\$416.00</b>	
<b>129072</b>	30X96X1-3/4	8'L x 30"D	1	<b>\$465.00</b>	
<b>129139</b>	30X108X1-3/4	9'L x 30"D	1	<b>\$504.00</b>	
<b>129206</b>	30X120X1-3/4	10'L x 30"D	1	<b>\$583.00</b>	
<b>166283</b>	30X144X1-3/4	12'L x 30"D	1	<b>\$702.00</b>	
<b>129273</b>	36X48X1-3/4	4'L x 36"D	1	<b>\$364.00</b>	
<b>129340</b>	36X60X1-3/4	5'L x 36"D	1	<b>\$424.00</b>	
<b>129407</b>	36X72X1-3/4	6'L x 36"D	1	<b>\$473.00</b>	
<b>129474</b>	36X84X1-3/4	7'L x 36"D	1	<b>\$287.00</b>	
<b>129541</b>	36X96X1-3/4	8'L x 36"D	1	<b>\$570.00</b>	
<b>129608</b>	36X108X1-3/4	9'L x 36"D	1	<b>\$662.00</b>	
<b>129675</b>	36X120X1-3/4	10'L x 36"D	1	<b>\$700.00</b>	
<b>166953</b>	36X144X1-3/4	12'L x 36"D	1	<b>\$795.00</b>	

#### 2-1/4" Top

<b>129742</b>	24X48X2-1/4	4'L x 24"D	1	<b>\$351.00</b>	
<b>129809</b>	24X60X2-1/4	5'L x 24"D	1	<b>\$398.00</b>	
<b>129876</b>	24X72X2-1/4	6'L x 24"D	1	<b>\$420.00</b>	
<b>129943</b>	24X84X2-1/4	7'L x 24"D	1	<b>\$468.00</b>	
<b>130010</b>	24X96X2-1/4	8'L x 24"D	1	<b>\$510.00</b>	
<b>130077</b>	24X108X2-1/4	9'L x 24"D	1	<b>\$605.00</b>	
<b>130144</b>	24X120X2-1/4	10'L x 24"D	1	<b>\$683.00</b>	
<b>165613</b>	24X144X2-1/4	12'L x 24"D	1	<b>\$868.00</b>	
<b>130211</b>	30X48X2-1/4	4'L x 30"D	1	<b>\$398.00</b>	
<b>130278</b>	30X60X2-1/4	5'L x 30"D	1	<b>\$438.00</b>	
<b>130345</b>	30X72X2-1/4	6'L x 30"D	1	<b>\$502.00</b>	
<b>130412</b>	30X84X2-1/4	7'L x 30"D	1	<b>\$558.00</b>	
<b>130479</b>	30X96X2-1/4	8'L x 30"D	1	<b>\$634.00</b>	
<b>130546</b>	30X108X2-1/4	9'L x 30"D	1	<b>\$757.00</b>	
<b>130613</b>	30X120X2-1/4	10'L x 30"D	1	<b>\$855.00</b>	
<b>166417</b>	30X144X2-1/4	12'L x 30"D	1	<b>\$1,050.00</b>	
<b>130680</b>	36X48X2-1/4	4'L x 36"D	1	<b>\$401.00</b>	
<b>130747</b>	36X60X2-1/4	5'L x 36"D	1	<b>\$502.00</b>	
<b>130814</b>	36X72X2-1/4	6'L x 36"D	1	<b>\$573.00</b>	
<b>130881</b>	36X84X2-1/4	7'L x 36"D	1	<b>\$669.00</b>	
<b>130948</b>	36X96X2-1/4	8'L x 36"D	1	<b>\$764.00</b>	
<b>131015</b>	36X108X2-1/4	9'L x 36"D	1	<b>\$904.00</b>	
<b>131082</b>	36X120X2-1/4	10'L x 36"D	1	<b>\$862.00</b>	
<b>167087</b>	36X144X2-1/4	12'L x 36"D	1	<b>\$1,129.00</b>	

## Wood Shop Tops

**Wisconsin Bench** MDF core between 2 layers of 3/8" high-density particleboard offers superior screw and rivet-holding characteristics. Top and bottom layers are sealed with a catalyzed lacquer finish. The non-conductive, splinter-proof top has a 180° bullnose edge. 1-3/4" T top.

Stk.	Mfr.	Overall Size	Price
<b>281500</b>	CMP1069-V	4'L x 24"D	<b>\$213.00</b>
<b>281502</b>	CMP1071-V	5'L x 24"D	<b>\$241.00</b>
<b>281503</b>	CMP1072-V	6'L x 24"D	<b>\$268.00</b>
<b>281504</b>	CMP1074-V	8'L x 24"D	<b>\$330.00</b>
<b>281508</b>	CMP1080-V	4'L x 30"D	<b>\$239.00</b>
<b>281509</b>	CMP1082-V	5'L x 30"D	<b>\$273.00</b>
<b>281510</b>	CMP1083-V	6'L x 30"D	<b>\$307.00</b>
<b>281511</b>	CMP1085-V	8'L x 30"D	<b>\$381.00</b>
<b>281516</b>	CMP1092-V	5'L x 36"D	<b>\$308.00</b>
<b>281517</b>	CMP1093-V	6'L x 36"D	<b>\$335.00</b>
<b>281518</b>	CMP1095-V	8'L x 36"D	<b>\$363.00</b>

## Steel Bench Tops

**Montisa Learning** 2" T heavy-gauge tops with completely smooth surface, minus screws, bolts and weld marks. All 4 sides are turned down and under for added strength.

### 24"D Top

Stk.	Mfr.	Overall Size	Price
<b>211025</b>	ST-4824	4'L x 24"W	<b>\$404.00</b>
<b>212097</b>	ST-6024	5'L x 24"W	<b>\$435.00</b>
<b>215045</b>	ST-7224	6'L x 24"W	<b>\$440.00</b>

### 30"D Top

Stk.	Mfr.	Overall Size	Price
<b>211226</b>	ST-4830	4'L x 30"W	<b>\$402.00</b>
<b>212432</b>	ST-6030	5'L x 30"W	<b>\$438.00</b>
<b>215246</b>	ST-7230	6'L x 30"W	<b>\$436.00</b>

**Attaching Channels** For mounting steel tops to locker bases.

Stk.	Mfr.	Overall Size	Price
<b>216063</b>	1913202	For 24"D Tops	<b>\$28.30</b>
<b>216064</b>	1913203	For 30"D Tops	<b>\$30.40</b>

## Heavy Steel Capped Tops

**Montisa Learning** 2" T metalworking bench tops made of 12 ga. heavy steel capping and Avian board (particleboard top & bottom w/ a honeycomb cardboard core). Steel top corners are welded and ground smooth. Enamelled finish.

Stk.	Mfr.	Overall Size	Price
<b>210355</b>	SC2864S	64"L x 28-1/2"D	<b>\$500.00</b>
<b>206000</b>	SC2872S	72"L x 28-1/2"D	<b>\$642.00</b>
<b>211628</b>	SC5464S	64"L x 54"D	<b>\$626.00</b>

## Sliding Door Work Benches



**Pucel** Cabinets with steel or hardwood tops. Factory-installed sliding doors contain a cylinder lock. Adjustable shelf on 4" centers.

**Includes** shelf, 2 handles & 2 keys.

## Steel Top

Stk.	Mfr.	Size	Price
<b>683820</b>	CS-2860-SD	60"W x 30"D x 34"H	<b>\$1,019.00</b>
<b>683821</b>	CS-2872-SD	72"W x 30"D x 34"H	<b>\$1,164.00</b>

## Wood Top

Stk.	Mfr.	Size	Price
<b>683822</b>	CW-3060-SD	60"W x 30"D x 34"H	<b>\$1,247.00</b>
<b>683823</b>	CW-3072-SD	72"W x 30"D x 34"H	<b>\$1,438.00</b>



## 5-Drawer Workstation

**Kennedy** Heavy-duty work bench has friction slides on legs to level on any floor. 5 drawers, 2 shelves. Gray finish. 1-1/2" thick maple work surface. Assembly required.

Stk.	Mfr.	Size	Price
<b>492931</b>	W5405XGW	54"W x 20"D x 34-1/2"H	<b>\$905.00</b>

## Power Tool Storage Bench



**Hann** Provides ample storage space for tools. Constructed of hard maple face framing. All members are glued and stapled to one another forming a strong, interconnected cabinet. Natural finish. Shipped set up.

- 4 large drawers each 13-7/8"W x 18-5/8"D x 5-3/8"H

- Cabinet area includes 2 large suspension shelves providing 3 storage areas each 9"H

- Drawers & doors are furnished w/master-keyed locks

- Top is 48"W x 24"D x 1-3/4" thick maple

Stk.	Mfr.	Overall Size	Price
<b>439277</b>	BC-180WT	48"W x 24"D x 36-1/2"H	<b>\$1,160.00</b>

## Adjustable Height Work Benches



**Edsal** Industrial gray bench adjusts for students of varying height. Straight leg design adjusts 29" to 33"H on 1" increments. 14 ga. steel top support and foot assemblies. 16 ga. ribbed steel legs. 2-3/4"W feet can be bolted to the floor. Welded frame. Knock-outs in legs for electrical hook-ups. 2 stringer legs and stringer.

## Steel Top

Stk.	Mfr.	Overall Size	Price
<b>379573</b>	1000S	5'W x 30"D x 29" to 33"H	<b>\$328.00</b>
<b>379574</b>	1001S	6'W x 30"D x 29" to 33"H	<b>\$372.00</b>
<b>379575</b>	1002S	6'W x 36"D x 29" to 33"H	<b>\$416.00</b>

## Wood on Steel Top

Stk.	Mfr.	Overall Size	Price
<b>379576</b>	1012PW	5'W x 30"D x 29" to 33"H	<b>\$405.00</b>
<b>379577</b>	1013PW	6'W x 30"D x 29" to 33"H	<b>\$472.00</b>
<b>379578</b>	1014PW	6'W x 36"D x 29" to 33"H	<b>\$525.00</b>

## Shop Top

Stk.	Mfr.	Overall Size	Price
<b>379579</b>	1003W	5'W x 30"D x 29" to 33"H	<b>\$433.00</b>
<b>379581</b>	1004W	6'W x 30"D x 29" to 33"H	<b>\$482.00</b>
<b>379582</b>	1005W	6'W x 36"D x 29" to 33"H	<b>\$541.00</b>

## Maple Top

Stk.	Mfr.	Overall Size	Price
<b>379583</b>	1009M	5'W x 30"D x 29" to 33"H	<b>\$593.00</b>
<b>379584</b>	1010M	6'W x 30"D x 29" to 33"H	<b>\$688.00</b>
<b>379585</b>	1011M	6'W x 36"D x 29" to 33"H	<b>\$794.00</b>

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### Heavy-duty Work Benches

**BenchPro** Heavy-duty tables with 20,000 lb. capacity, 3" x 14 ga. tubular legs. 2" x 3" gray frame tubing. Adjustable height glides included. 10-yr. mfr.'s warranty. Some assembly required.

**Meets ANSI, BIFMA, DIN & GSA Structural Standards.**

#### Quantity Savings!

**Maple Top** Butcher block is made from 1-3/4" thick strips of genuine maple hardwood. Glued edge to edge to reduce splitting and warping. Top is treated with oil for industrial assembly applications.

Stk.	Mfr.	Overall Size WxHxD	Qty.	Price	5 or more
235220	HW2448	48" x 24" x 32"	1	\$788.00	\$709.00
235221	HW2460	60" x 24" x 32"	1	\$872.00	\$779.00
235222	HW2472	72" x 24" x 32"	1	\$923.00	\$829.00
235225	HW3048	48" x 30" x 32"	1	\$868.00	\$779.00
235226	HW3060	60" x 30" x 32"	1	\$965.00	\$869.00
235227	HW3072	72" x 30" x 32"	1	\$1,026.00	\$925.00
235230	HW3648	48" x 36" x 32"	1	\$927.00	\$835.00
235231	HW3660	60" x 36" x 32"	1	\$1,031.00	\$929.00
235232	HW3672	72" x 36" x 32"	1	\$1,080.00	\$969.00

**Steel Top** Heavy-duty 18 ga. grade 304 stainless steel top with #4 brushed finish over 1-1/2" T solid particleboard. Not recommended for food preparation areas.

Stk.	Mfr.	Overall Size WxHxD	Qty.	Price	5 or more
235200	HN2448	48" x 24" x 32"	1	\$872.00	\$779.00
235201	HN2460	60" x 24" x 32"	1	\$976.00	\$879.00
235202	HN2472	72" x 24" x 32"	1	\$1,075.00	\$968.00
235205	HN3048	48" x 30" x 32"	1	\$972.00	\$875.00
235206	HN3060	60" x 30" x 32"	1	\$1,095.00	\$985.00
235207	HN3072	72" x 30" x 32"	1	\$1,211.00	\$1,089.00
235210	HN3648	48" x 36" x 32"	1	\$1,046.00	\$945.00
235211	HN3660	60" x 36" x 32"	1	\$1,216.00	\$1,089.00
235212	HN3672	72" x 36" x 32"	1	\$1,278.00	\$1,149.00



### Flared Leg Work Benches

**Tennsco** 13 ga. steel legs are electrically welded into a 1-piece rigid framework. Flared feet permit bolting to the floor. Supports up to 4,000 lbs. (per leg pair). Knock-outs in legs for electrical outlets. 2 stringer legs and 14 ga. stringer. Medium gray color.

**Steel Top Bench w/Stringer & Legs** Top is 12 ga. steel with 14 ga. end channels.

Stk.	Mfr.	Overall Size	Price
892700	WB-1-3060S	5'W x 30"D x 33-1/2"H	\$284.00
892701	WB-1-3072S	6'W x 30"D x 33-1/2"H	\$315.00
892702	WB-1-3672S	6'W x 36"D x 33-1/2"H	\$356.00

**Steel Top Bench w/Stringer, Legs & Shelf** Top is 12 ga. steel with 14 ga. end channels.

Stk.	Mfr.	Overall Size	Price
892703	WB-2-3060S	5'W x 30"D x 33-1/2"H	\$336.00
892704	WB-2-3072S	6'W x 30"D x 33-1/2"H	\$377.00
892705	WB-2-3672S	6'W x 36"D x 33-1/2"H	\$417.00

**Butcher Block Top Bench w/Stringer & Legs** Solid laminated hardwood butcher block top resists warping. Resandable surface is ideal for delicate machined parts and dies.

Stk.	Mfr.	Overall Size	Price
892706	WB-2-3060W	5'W x 30"D x 33-3/4"H	\$518.00
892707	WB-2-3072W	6'W x 30"D x 33-3/4"H	\$600.00
892708	WB-2-3672W	6'W x 36"D x 33-3/4"H	\$681.00

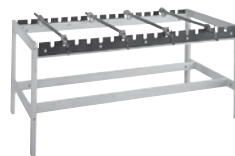


### Glue & Stain Bench

**Hann** Sturdy 2" T, 14 ga. galvanized steel top. Solid maple legs and maple plywood storage shelf. Assembly required.

Stk.	Mfr.	Overall Size	Price
439300	GS-24	60"W x 24"D x 32"H	\$765.00

### Glue Clamp Benches



**Shain** Areas for bar clamp storage and gluing projects. Open top has 17 sets of 3/4"W grooves cut into heavy-gauge steel rail to accept 3"L+ bar clamps. Use the lower rails to store hand screws and C-clamps. Solid maple table with Earth-friendly UV finish. Assembly required.

Overall size 72"W x 36"D x 32"H.

**Shown with clamps, sold separately.**

Stk.	Mfr.	Item	Price
155201	GCT-7236	Bench Only	\$461.00
155268	GCT-DP	Bench w/Drip Pan	\$625.00



### Mobile Glue & Stain Bench

**Shain** Solid maple framing with heavy-duty casters (not shown) and shelf with 4" rear curb. 1-1/4" T plywood top and edges are covered with heavy-coated galvanized steel. Earth-friendly UV finish. Assembly required.

Stk.	Mfr.	Overall Size	Price
155952	MGSB-6024	60"W x 24"D x 32"H	\$1,255.00



### Electronic Modular Work Benches

**Tennsco** Modular benches offer 4-drawer and cabinet lockable units. Heavy gauge welded steel construction in the drawers and cabinet units provide stability. Pre-punched holes allow units to be bolted side-by-side.

Removable, flat bottom drawers bring supplies to the work surface. Drawers extend fully, have recessed handles, quiet operation and entire unit locks with the turn of 1 key. Medium gray color.

Base size 6'W x 30"D x 33-1/2"H (steel top) x 33-3/4" (maple top).

**Includes** top, drawer & cabinet units, plus electronic outlet panel.

**Electronic Wiring Kit is required, sold separately.**

#### Benches w/2 4-drawer units & outlet panel

Stk.	Mfr.	Top	Price
892616	EMB-1-3072S	Steel	\$967.00
892617	EMB-1-3072M	Maple	\$1,152.00

#### Benches w/1 4-drawer unit, 1 shelf cabinet & outlet panel

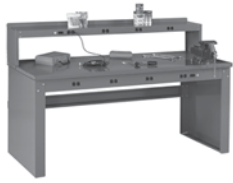
Stk.	Mfr.	Top	Price
892618	EMB-2-3072S	Steel	\$790.00
892619	EMB-2-3072M	Maple	\$975.00

### Electronic Wiring Kit

**Tennsco** Pre-wired for quick installation. Use with Tennsco Electronics Work Benches.

**Includes** 4 duplex receptacles, on/off switch w/pilot light, 8' grounded cord & plug (15 amp, 115V w/circuit breaker).

Stk.	Mfr.	Price
892710	WK-1	\$88.90



**Electronics Work Benches**

**Tennsco** Sleek, closed end panel leg and stringer design creates a sturdy framework. Legs also offer the option of adding numerous electrical outlets, allowing for a variety of applications including testing equipment and electronic component assembly.

Tops are supported by a complete steel framework. Tops include a channel shaped stringer that tie the legs rigidly together. Electronic riser adds storage space, plus the ability to add electrical outlets at a convenient height. Medium gray.

**Includes** top, panel legs, electronic outlet panel & electronic riser.

**Bench shown with Electronic Riser & tools, sold separately. Electronic Wiring Kit required, sold separately.**

**Benches w/stringer & outlet panel**

Stk.	Mfr.	Base WxDxH	Top	Price
<b>892610</b>	EB-1-3072S	6' x 30" x 33-1/2"	Steel	<b>\$441.00</b>
<b>892612</b>	EB-1-3072M	6' x 30" x 33-3/4"	Maple Laminate	<b>\$588.00</b>
<b>892613</b>	EB-1-3672M	6' x 36" x 33-3/4"	Maple Laminate	<b>\$654.00</b>

**Benches w/stringer, outlet panel & electronic riser**

Stk.	Mfr.	Base WxDxH	Top	Price
<b>892611</b>	EB-2-3072S	6' x 30" x 33-1/2"	Steel	<b>\$535.00</b>
<b>892614</b>	EB-2-3072M	6' x 30" x 33-3/4"	Maple Laminate	<b>\$673.00</b>
<b>892615</b>	EB-2-3672M	6' x 36" x 33-3/4"	Maple Laminate	<b>\$738.00</b>

**Electronic Wiring Kit**

**Tennsco** Pre-wired for quick installation. Use with Tennsco Electronics Work Benches.

**Includes** 4 duplex receptacles, on/off switch w/pilot light, 8' grounded cord & plug (15 amp, 115V w/circuit breaker).

Stk.	Mfr.	Price
<b>892710</b>	WK-1	<b>\$88.90</b>



**Soldering Work Benches**

**Pucel** Bench constructed of 12 gauge steel tops and legs, 16 gauge stringers and shelves, plus feature side and back stops. Top, stringer and legs are reinforced for extra strength. 3,000 lb. capacity.

Stk.	Mfr.	Overall Size	Shelf Depth	Price
<b>683810</b>	BS-2848	48"W x 28"D x 32-1/2"H	15-1/4"	<b>\$512.00</b>
<b>683811</b>	BS-2860	60"W x 28"D x 32-1/2"H	15-1/4"	<b>\$575.00</b>
<b>683812</b>	BS-3448	48"W x 34"D x 32-1/2"H	15-1/4"	<b>\$564.00</b>
<b>683813</b>	BS-3460	60"W x 34"D x 32-1/2"H	15-1/4"	<b>\$640.00</b>



**Mobile Tech Bench w/Dust Collection**

**Midwest** Bench unit of solid maple framing with maple veneered plywood panels using dowel construction reinforced with glue and screws. 4" casters (2 swivel, 2 rigid).

- Top (1-3/4" T) of maple laminated strips electronically-welded glued joints & finished w/multiple coats of tough, wear-resistant, nontoxic finish
  - Base w/4 master-keyed double locking doors & earth-friendly UV finish
- Base measures 71"L x 28"D x 27-1/2"H.

**Includes** mobile bench w/108" x 30" maple top, surge suppressor, dust collector package, vacuum hose (2-1/2" x 6') & 10 gal. wet/dry vac (Shop-Vac).

**Shown with bench top machines, sold separately.**

Stk.	Mfr.	Price
<b>557190</b>	MW-MG80MSP	<b>\$2,550.00</b>



**Locking Mobile Cabinets**

**Tennsco** Locking heavy-gauge steel bench with all-welded construction. Laminate work surface with side/back guards keep tools on top. 2 locking swivel casters (2 fixed). Locking drawer with divider and card holder. Locking cabinet with adjustable shelf on 3" centers. Medium gray color.

Overall size 42"W x 25"D x 36-1/4"H.

Stk.	Mfr.	Drawers	Shelves	Weight	Price
<b>892640</b>	MB-1-2542	4	1	182 lbs.	<b>\$740.00</b>
<b>892641</b>	MB-2-2542	1	2	157 lbs.	<b>\$607.00</b>



**Maple Top Mobile Work Bench**

**Shure** Durable, versatile bench offers a large storage cabinet behind 2 sliding doors, plus ample under-bench, 2-drawer storage. 60" hardwood maple bench top. 4 heavy-duty locking swivel casters. Powder-coated sebring gray finish. Light assembly required.

Stk.	Mfr.	Overall Size	Price
<b>795190</b>	811017	60"L x 24"D x 34"H	<b>\$1,892.00</b>

**Mobile Work Bench**



**Greene** Choice of 11 ga. pan-folded steel or 1-3/4" T hardwood maple top. All welded construction frame of heavy-gauge steel with 14 ga. steel body and doors. 3-point locking recessed handle in large storage area. 3 drawers with recessed pulls include cylinder locks with 2 keys each (master keys available). Smooth operating drawers are built for security and strength. 5" phenolic casters (2 rigid & 2 swivel heavy-duty). Sturdy side handle. Gray finish.

Overall size 75"L x 30"D x 34"H.

Stk.	Mfr.	Item	Price
<b>433668</b>	MG-88.M	Maple Top	<b>\$2,768.00</b>
<b>433669</b>	MG-88.STL	Steel Top	<b>\$2,237.00</b>

**Adjustable Height Mobile Work Bench**



**Shure** Heavy-duty steel work bench with hardwood maple top features all-welded adjustable-height legs, full-length support stringer, back and end stops, plus a lower shelf. 4 heavy-duty locking swivel casters. Powder-coated sebring gray finish. Assembly required.

**Shown with vise & drawers, not included.**

Stk.	Mfr.	Overall Size	Price
<b>795200</b>	811068	48"L x 30"D x 29"-40"H	<b>\$899.00</b>
<b>795201</b>	811069	60"L x 30"D x 29"-40"H	<b>\$899.00</b>
<b>795202</b>	811070	72"L x 30"D x 29"-40"H	<b>\$1,000.00</b>

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### Mobile Tear Down Benches

**Shure** Bench assists in eliminating unsafe spills when working on transmissions, small engines and hydraulic systems. Heavy-duty reinforced steel top with 1/2" lip on all sides. Powder-coated carmine red finish.

- All-welded adjustable height legs

- 3 gal. fluid drain pan
- Storage drawer
- 4 heavy-duty swivel casters w/brake

#### 48"L Overall size 48"L x 32"D x 29"-40"H.

Stk.	Mfr.	Item	Price
<b>795222</b>	811100	Bench w/Stainless Steel Top	<b>\$1,667.00</b>
<b>795250</b>	900744	Stainless Steel Top Insert Only	<b>\$308.00</b>
<b>795188</b>	800083	Lower Shelf, 12"D	<b>\$81.00</b>
<b>795187</b>	800023	Bench w/Steel Top	<b>\$1,115.00</b>

#### 60"L Overall size 60"L x 32"D x 29"-40"H.

Stk.	Mfr.	Item	Price
<b>795220</b>	811098	Bench w/Steel Top	<b>\$1,271.00</b>
<b>795253</b>	900747	Stainless Steel Top Insert Only	<b>\$384.00</b>



### Mobile Bench Cabinet w/4 Drawers

**Durham** 16 ga. all-welded steel cabinet (2,000 lb. capacity) with welded 12 ga. 12"H vice support. 4 full-extension drawers (ea. 100 lb. capacity) operate smoothly on ball bearing slides. Door offers a 3-pt. locking handle with cylinder lock and 2 keys. Sturdy tubular handle. 6" x 2"

bolt-on phenolic casters (2 swivel, 2 rigid). Durable, gray powder-coated finish. Shipped set up.

Overall size 60"W x 24"D x 39-3/4"H.

Drawers (4) 20-7/16"W x 14-1/16"D x 5-7/8"H.

**Shown w/supplies, sold separately.**

Stk.	Mfr.	Price
<b>345110</b>	3401-95	<b>\$1,261.00</b>



### Portable Tool Cabinet Work Bench

**Pucel** 12 gauge steel top, 9-drawer inside tool cabinet with cylinder lock, side and back stops, keyed door handle, vise shelf. 8" rubber casters (2 rigid, 2 swivel). 2,000 lb. capacity.

Overall size 48"L (63"L w/vise shelf) x 26"D x 37-1/4"H (40-1/4"H w/backsplash).

**Shown w/vise & supplies, sold separately.**

Stk.	Mfr.	Price
<b>683900</b>	PTC-48P	<b>\$1,591.00</b>



### Mobile Tool Work Bench

**Midwest** Solid maple framing with maple veneer bench features laminated maple top, 3 locking compartments, 2 electrical charging strips and four 3" hard-rubber locking casters.

- Top of maple laminated strips electronically-welded glued joints & finished w/multiple coats of tough, wear-resistant, nontoxic finish
- Base w/3 locking double-doors (2 front, 1 back) & pegboard (2 sides)
- 2 adjustable shelves on right side w/6 tote trays (8"W x 19"D x 4"H)
- Pegboard panels & charging strips in left & back compartments
- Mortise & tenon joint construction
- Draw-bolt reinforcement
- Earth-friendly UV finish

Top 60"W x 28"D x 2-1/4"T. Base 45-1/2"W x 25-1/2"D x 26"H.

Overall size 60"W x 28"D x 32"H.

Stk.	Mfr.	Item	Price
<b>155551</b>	MTSW-6028	Bench Only	<b>\$2,166.00</b>
<b>558319</b>	MTSW-6028-T	Set of Tools Only	<b>\$1,175.00</b>
<b>558320</b>	MTSW-6028-MBT	Bench w/Tools	<b>\$3,195.00</b>

#### Complete Set of Tools for MTSW-6028-T

<b>Adjustable Clamp</b>	<b>Irwin</b>	1	Hammer, Ball Pein, 8 oz., 12-1/4"
6 Clamp, C-Clamp, 2"	1 Bit, Drill, HSS, 15 Pc.	2	Hammer, Nail, Curve Claw, 13 oz., 13"
6 Clamp, Spring Clamp, 1"	1 Bit, Spade, 6", 13 Pc.	1	Hammer, Soft Face, 8 oz., 12"
2 Clamp, Spring Clamp, 3"	<b>Jet</b>	2	Knife, Putty, Flexible
<b>Black &amp; Decker</b>	1 Vise, Utility	2	Rule, Powerlock, 1/2" x 12"
1 Screwdriver, Cordless, 3.6V	<b>Lufkin</b>	1	Saw, Back, 14", 12 tpi
<b>Bosch</b>	3 Rule, Alum., 3'	1	Saw, Hacksaw, Tubular
1 Drill, Cordless, 3/8", 12V	<b>Lutz</b>	1	Square, Combination, 12"
<b>Crescent</b>	6 File Handle for 10" file	1	<b>Stanley Fastening</b>
1 Pliers, Diagonal Cut, 6"	<b>Nicholson</b>	1	Blade, Knife, Artist's, #11, 5/pkg.
1 Pliers, Long Nose, Chain, 6"	1 File Card	4	Knife, Artist's, #1
<b>Dremel</b>	1 File Hand Bastard, 10"	1	<b>Techni-Edge</b>
1 Moto-Tool, VS	1 File Square Bastard, 10"	1	Glue Gun, Dual Temp
<b>Eklind</b>	1 File, 3 Sq. Bastard, 10"	1	Glue Sticks, Dual Temp, 24 pc.
1 Wrench, Hex Key, Met., 10 Pc.	1 File, Flat Bastard, 10"	1	<b>Vise-Grip</b>
<b>General</b>	1 File, Half Rnd. Bastard, 10"	1	Pliers, Locking, Srt. Jaw, 10"
2 Compass, Pencil, 8"	1 File, Rnd. Bastard, 10"	1	ea. Snips, Straight, 7", 10"
<b>Great Neck</b>	<b>Shop Fox</b>	1	<b>Weller</b>
1 ea. Screwdriver, Phil.: #1, #2	1 Vise, Woodworking	2	Iron, Soldering, 25W
1 ea. Screwdriver, Std.: 3", 4", 6"	<b>Stanley</b>		
	1 Chisel, Wood, 3 pc.		

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 kluft@midwesttechnology.com



## TOOL CABINETS



### Tech Ed Workspace

**Midwest** Everything you need for your Tech Ed workspace in one cabinet. Mobile cabinet is available with or without tools. Hann cabinet includes pegboard, 3 full-width shelves (2 adjustable & 1 fixed) and 6 large tote trays. Heavy-duty cabinet constructed of maple framing and panels. 3/4" T

hardwood panel overlay doors. Shipped set-up.

- Master-keyed locking doors
- 2 recessed door handles
- Natural finish
- Three 270° hinges on each door
- 4" locking casters
- Hand built 1 at a time

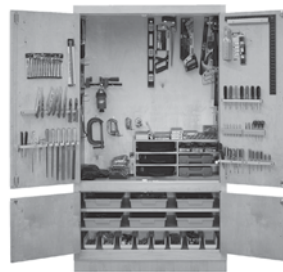
Overall size 48"W x 22"D x 66"H.

**Includes** 6 large tote trays.

Stk.	Mfr.	Item	Price
<b>439440</b>	TS-200M	Cabinet Only	<b>\$1,530.00</b>
<b>558359</b>	MW-MSTP	Tools Only	<b>\$2,295.00</b>
<b>558358</b>	MW-MSMTPPKG	Cabinet Plus Tools	<b>\$3,800.00</b>

### Complete Set of Tools for MW-MSTP

Category	Brand	Item	Quantity
<b>Cutting Tools</b>	<b>Alvin</b>	1 Cutting Mat, 18" x 24"	1
	<b>Techni-Edge</b>	2 Knife, Hobby, #1	2
	<b>Stanley</b>	2 Knife, Utility	2
		1 Saw, Back, 14"	1
	<b>Nicholson</b>	1 Saw, Hack, 10"	1
	<b>Irwin</b>	1 Saw, Pull, Double Edge, 7 & 17 TPI	1
		1 Snip, Aviation, Straight, 10"	1
	<b>Electronics Tools</b>		
	<b>Elenco</b>	1 Leads, Jumper Clip	1
	<b>X-Acto</b>	2 Magnifier, X-tra Hand	2
<b>Gardner Bender</b>	2 Multimeter, Digital	2	
<b>Johnson Mfg.</b>	1 Sal Ammoniac Bar	1	
<b>Weller</b>	2 Soldering Iron, 25W	2	
	2 Soldering Iron Tip Kit	2	
	2 Soldering Tool Stand	2	
<b>Gardner Bender</b>	1 Stripper Crimper, 8-1/2"	1	
<b>General Workspace</b>			
<b>Steiner</b>	5 Apron, Shop, 29" x 40"	5	
<b>Weiler</b>	1 Brush, Counter, 8"	1	
<b>Akro-Mills</b>	1 Cabinet, Storage, Plastic, 24 Drawer	1	
	1 Cabinet, Storage, Plastic, 44 Drawer	1	
<b>Coleman Cable</b>	1 Cord, Extension, 3-outlet, 25'	1	
<b>Fiskars</b>	1 Drill, Manual Rotary Craft	1	
<b>Black &amp; Decker</b>	1 Drill Bit, HSS, 29 pc.	1	
<b>Weiler</b>	1 Dust Pan	1	
<b>North Safety</b>	1 First Aid Kit, 25 Person	1	
<b>Sellstrom</b>	5 Glasses, Safety, Black	5	
<b>Steiner</b>	5 Gloves, Leather Work, Large	5	
<b>Sperian</b>	1 Masks, Dust, 20 count	1	
<b>Coleman Cable</b>	2 Surge Protector, 6 outlet	2	
<b>Master Magnetics</b>	3 Tool Holder, Magnet, 24"	3	
<b>Crawford</b>	1 Hook, Peg, 47-pc.	1	
<b>Holding Tools</b>			
<b>Irwin</b>	3 Clamp, Spring, 2"	3	
<b>Jorgenson</b>	6 Clamp, Bar, 6", 12", 36" (2 ea.)	6	
<b>Wilton</b>	1 Vise, Swivel Base, 2-1/2"	1	
<b>Joining Tools</b>			
<b>Stanley</b>	1 Glue Gun, Dual Melt	1	
<b>Surebonder</b>	1 Glue Gun, Mini 10W	1	
<b>Stanley</b>	1 Stapler/Brad Gun, Electric	1	
<b>Measuring Tools</b>			
<b>General</b>	1 Caliper, Dial, 6"	1	
	1 Compass, Pencil, 8"	1	
<b>De Walt</b>	2 Rule, Tape, 30'	2	
<b>Lufkin</b>	1 Ruler, Aluminum, Meter	1	
<b>Johnson Level</b>	1 Square, Combination, 12"	1	
	1 Square, Rafter, 12"	1	
<b>Power Tools</b>			
<b>Porter-Cable</b>	1 Drill, Cordless, 20V	1	
<b>De Walt</b>	1 Saw, Jig, VS, 5.5 Amps	1	
<b>Mechanical Tools</b>			
<b>Pittsburg</b>	1 Bits, Driver, 10 pc.	1	
<b>Stanley</b>	1 Hammer, Fiberglass, 16 oz.	1	
<b>Eklind</b>	1 Hex Key, Inch/Metric, 16 pc.	1	
<b>CS Osborne</b>	1 Mallet, Rubber, 25 oz.	1	
<b>Stanley</b>	1 Nail Set, 3/32"	1	
<b>Irwin</b>	2 Pliers, Lineman's, 8"	2	
<b>Crescent</b>	1 Pliers, Locking, 3 pc.	1	
<b>Irwin</b>	2 Pliers, Long Nose, 6"	2	
	1 Pliers, Slip Joint, 6"	1	
<b>Stanley</b>	1 Screwdriver, Comb., 8 pc.	1	
<b>General</b>	1 Screwdriver, Precision, 6 pc.	1	
<b>Wiss</b>	2 Shear, Easy Snip Utility, 8-1/2"	2	
<b>Crescent</b>	1 Wrench/Socket, Set, Frac./Met., 70 pc.	1	
	2 Wrench, Adjustable, 8", 10" (1 ea.)	2	
<b>Textile Tools</b>			
<b>Singer</b>	1 Needles, Hand, 25 pc.	1	
<b>Dritz</b>	2 Sewing Kit, Starter	2	
<b>Hamilton Beach</b>	1 Iron, Nonstick	1	
<b>Brother</b>	2 Sewing Machine	2	
<b>Sterlite</b>	1 Storage Container	1	



### 48"W Tech Ed Tool Cabinet

**Hann** Heavy-duty built with 1-1/2" thick mortise and tenon frames, doors mounted on continuous hinges and 3/4" thick plywood back. Upper cabinet & doors are lined with dedicated tool holders. Lower cabinet consists of 2 adjustable shelves made of veneer-core plywood. Master-keyed locking doors. Natural finish. Shipped set up.

Overall size 48"W x 22"D x 84"H.

**Includes** 6 tote trays (12-1/4"W x 3"H x 16-3/4"L) & 8 shelf bins (4-1/8"W x 4"H x 11-5/8"L).

**Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>439423</b>	TS-40	Cabinet Only	<b>\$1,880.00</b>
<b>554952</b>	MWTETC-40-T	Tools Only	<b>\$3,995.00</b>
<b>558653</b>	MWTETC-40CTHN	Cabinet Plus Tools	<b>\$5,995.00</b>

### Complete Set of Tools for MWTETC-40-T

<b>Acme</b>	3 Scissors, St. Trimmer, 8"	3 Screwdriver, Phil., #2	2 ea. Hammer, Nail, Crv. Claw, 13 oz. x 13-1/4", 16 oz. x 13"
<b>Adjustable Clamp</b>	2 Clamp, C-Clamp, 6"	1 Screwdriver, Std., 6"	1 Hammer, Soft Face, 8 oz., 12"
	6 ea. Clamp, C-Clamp: 1", 2", 3"	2 ea. Screwdriver, Std.: 3", 4"	2 Knife, Putty, Flexible
	6 Clamp, Spring, 1"	<b>Irwin</b>	1 Nail Set, 3 pc.
	2 Clamp, Spring, 3"	1 Bit, Drill, HSS, 15 pc.	6 Nail Set, Self-centering
	1 Saw, Compound Miter	2 Bit, Power Screwdriver, 40 pc.	2 Rule, Powerlock 1/2" x 12'
<b>Black &amp; Decker</b>	1 Bit, Spade, 6", 13 pc.	2 Pliers, Slip Joint, 6"	3 Saw, Back, 14", 12 tpi
3 Screwdriver, Cordless, 3.6V	2 Pliers, Torpedo, Alum., 9"	<b>Johnson</b>	1 Saw, Coping, 6-3/4"
<b>Blackhawk</b>	1 Wrench, Comb., Met., 8 pc.	1 Bevel, Sliding T, 8"	1 Saw, Hacksaw, Tubular
1 Wrench, Comb., Std., 14 pc.	1 Level, Alum., 24"	1 Level, Torpedo, Alum., 9"	1 Saw, Handsaw, 20", 9 tpi
1 Wrench, Torque, 3/8"D	1 Level, Torpedo, Alum., 9"	<b>Lisle</b>	1 Square, Rafter, Alum., 2" x 24"
<b>Bosch</b>	1 Tester, Continuity	<b>Lufkin</b>	1 Square, Comb., 12"
3 Drill, Cordless, 3/8", 12V	6 Ruler, Alum., 36"	2 Surform, File, Rnd., 14-1/4"	2 Surform, Pocket, 5-1/2"
<b>Channellock</b>	2 Surform, Shaver, 7-1/4"	<b>Lutz</b>	2 Surform, Shaver, 7-1/4"
2 Pliers, Lineman's, Rnd. Nose, 7"	6 File Handle, for 10" file	<b>Marson</b>	<b>Stanley Fastening</b>
<b>Coleman</b>	5 Glue Gun, Dual Temp	1 Rivet Tool, Hand	1 Glue Sticks, Dual Temp, 24 pc.
3 Surge Suppressor	2 Rivets, Alum., 100 pc.	<b>Mayhew</b>	<b>Starrett</b>
<b>Crescent</b>	1 Caliper, Inside, 6"	1 Punch & Chisel, 14 pc.	1 Caliper, Outside, 6"
2 Pliers, Chain Nose, Long, 6"	1 Divider, 6"	<b>Nicholson</b>	1 Square, Comb., 12"
2 Pliers, Diagonal Cut, 6"	1 Square, Comb., 6"	1 File, Card	<b>Techni-Edge</b>
1 Wrench, Adj., 12"	1 File, Flat Bastard, 10"	1 File, 3 Sq. Bastard, 10"	12 Blade, Knife, Artist's, #11, 5/pkg.
3 Wrench, Adj., 6"	1 File, Half Rnd. Bastard, 10"	1 File, Hand Bastard, 10"	12 Knife, Artist's, #1
<b>CS Osborne</b>	1 File, Rnd. Bastard, 10"	1 File, Sq. Bastard, 10"	<b>Vise-Grip</b>
1 Mallet, Black Rubber, 13 oz.	1 File, Sq. Bastard, 10"	1 Saw, Comp./Key., 12", 8 tpi	1 Pliers, Locking, Long Nose: 6", 9" cutter
<b>Dremel</b>	1 Saw, Comp./Key., 12", 8 tpi	10 Blade, Saw Coping 6-1/2", 20 tpi, 4/pkg.	1 Pliers, Locking, St. Jaw, 10"
1 Multi-Vise	<b>Olson</b>	1 Wrench, Hex Key, Frac., 7 pc.	1 Snips, St., 10"
2 Rotary Tool, VS	1 Wrench, Hex Key, Frac., 7 pc.	<b>Proto</b>	1 Snips, St., 7"
<b>Eklind</b>	1 Wrench, Hex Key, Met., 10 pc.	1 Wrench, Hex Key, Frac., 7 pc.	<b>Weller</b>
1 Wrench, Hex Key, Met., 10 pc.	<b>Revell</b>	6 Knife, Artist's, Swivel	4 Soldering Iron, 25W
<b>Elenco</b>	6 Knife, Artist's, Swivel	<b>Stanley</b>	<b>X-Acto</b>
1 Multimeter, Digital	3 Awl, Scratch	1 Chisel, Wood, 3 pc.	1 Knife, Artist's, 20 pc.
<b>Gear Wrench</b>	1 ea. Hammer, Ball Pein: 8 oz. x 12-1/4", 16 oz. x 14"	1 Screwdriver, Jeweler's, 6 pc.	<b>Xcelite</b>
1 Socket Std., 3/8D, 6-pt., 12 pc.		1 Socket Std., 1/4D, 6-pt., 13 pc.	1 Nut Driver, 7 pc.
1 Socket Std., 1/4D, 6-pt., 13 pc.		<b>General</b>	
2 Compass, Pencil, 8"		2 Rule, Steel, 12"	
1 Rule, Steel, 12"		1 Screwdriver, Jeweler's, 6 pc.	
<b>Great Neck</b>		1 Pry Bar, Utility, 15"	
1 Pry Bar, Utility, 15"		3 Screwdriver, Phil., #1	

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### 48"W Tech Ed Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 48"W x 22"D x 84"H.

**Includes** power strip & asst. pegboard hooks.

**Shown with Tote Trays (Stk. 558200), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
155526	TETC-40	Cabinet Only	\$2,287.00
554952	MWTETC-40-T	Tools Only	\$3,995.00
554953	MWTETC-40-CT	Cabinet Plus Tools	\$5,795.00
558200	MWTPPKG-48	14 Tote Trays	\$169.00

#### Complete Set of Tools for MWTETC-40-T

<b>Acme</b>	3	Screwdriver, Phil. #2	2 ea.	Hammer, Nail, Crv. Claw, 13 oz x 13-1/4", 16 oz x 13"							
2	Scissors, St. Trimmer, 8"	1	Screwdriver, Std., 6"	1	Hammer, Soft Face, 8 oz, 12"						
<b>Adjustable Clamp</b>	2	ea. Screwdriver, Std.: 3", 4"	1	Knife, Putty, Flexible							
2	Clamp, C-Clamp, 6"	<b>Irwin</b>	1	Nail Set, 3 pc.							
6 ea.	Clamp, C-Clamp: 1", 2", 3"	1	Bit, Drill, HSS, 15 pc.	6	Nail Set, Self-centering						
6	Clamp, Spring, 1"	2	Bit, Power Screwdriver, 40 pc.	2	Rule, Powerlock 1/2" x 12"						
2	Clamp, Spring, 3"	1	Bit, Spade, 6", 13 pc.	3	Saw, Back, 14", 12 tpi						
1	Saw, Compound Miter	2	Pliers, Slip Joint, 6"	3	Saw, Coping, 6-3/4"						
<b>Black &amp; Decker</b>	3	Screwdriver, Cordless, 3.6V	<b>Johnson</b>	1	Saw, Hacksaw, Tubular						
<b>Blackhawk</b>	1	Wrench, Comb., Met., 8 pc.	1	Bevel, Sliding T, 8"	1	Saw, Handsaw, 20", 9 tpi					
1	Wrench, Comb., Std., 14 pc.	1	Level, Alum., 24"	1	Level, Torpedo, Alum., 9"						
1	Wrench, Torque, 3/8"D	<b>Lisle</b>	1	Tester, Continuity	<b>Lufkin</b>	6	File Handle, for 10" file				
<b>Bosch</b>	3	Drill, Cordless, 3/8", 12V	<b>Lufkin</b>	6	Ruler, Alum., 36"	<b>Lutz</b>	2	Surform, File, Rnd., 14-1/4"			
<b>Channellock</b>	2	Pliers, Lineman's, Rnd. Nose, 7"	<b>Lutz</b>	6	File Handle, for 10" file	<b>Marson</b>	2	Rivets, Alum., 100 pc.			
<b>Coleman</b>	3	Surge Suppressor	<b>Mayhew</b>	1	Punch & Chisel, 14 pc.	<b>Nicholson</b>	2	File Card			
<b>Crescent</b>	2	Pliers, Chain Nose, Long, 6"	<b>Nicholson</b>	1	File, 3 Sq. Bastard, 10"	1	File, Flat Bastard, 10"				
2	Pliers, Diagonal Cut, 6"	<b>CS Osborne</b>	1	File, Half Rnd. Bastard, 10"	1	File, Hand Bastard, 10"	1	File, Rnd. Bastard, 10"			
1	Wrench, Adj., 12"	<b>Dremel</b>	1	File, Sq. Bastard, 10"	1	Saw, Comp./Key., 12", 8 tpi	<b>Olson</b>	10	Blade, Saw Coping 6-1/2", 20 tpi, 4/pkg.		
2	Rotary Tool, VS	<b>Ekling</b>	1	Wrench, Hex Key, Met., 10 pc.	<b>Olson</b>	1	Wrench, Hex Key, Frac., 7 pc.	<b>Revell</b>	6	Knife, Artist's, Swivel	
<b>Elenco</b>	1	Multimeter, Digital	<b>Elenco</b>	1	Socket Std., 3/8D, 6-pt., 12 pc.	<b>Stanley</b>	3	Awl, Scratch	<b>Weller</b>	4	Soldering Iron, 25W
<b>Gear Wrench</b>	1	Socket, Std., 1/4D, 6-pt., 13 pc.	<b>General</b>	6	Compass, Pencil, 8"	<b>Stanley</b>	1	Chisel, Wood, 3 pc.	<b>X-Acto</b>	6	Blade, Knife, Artist's, Swivel, 2/pkg.
6	Rule, Steel, 12"	<b>Great Neck</b>	1	Screwdriver, Jeweler's, 6 pc.	1	Pry Bar, Utility, 15"	1	Hammer, Ball Pein: 8 oz. x 12-1/4", 16 oz. x 14"	<b>Xcelite</b>	1	Nut Driver, 7 pc.
3	Screwdriver, Phil., #1										

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### 60"W Tech Ed Cabinet

**Shain** Cabinet is constructed of solid maple with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** asst. pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
155352	TC-4	Cabinet Only	\$1,956.00
544170	MWTC4-T	Tools Only	\$5,595.00
544171	MWTC4-CT	Cabinet Plus Tools	\$6,400.00
558201	MWTPPKG-60	19 Tote Trays	\$229.00

#### Complete Set of Tools for MWTC4-T

<b>Acme</b>	6	Scissors, Srt. Trimmer, 8"	<b>General</b>	1	Hammer, Ball Pein: 8 oz. x 12-1/4", 16 oz. x 14"		
<b>Adjustable Clamp</b>	16	Rule, Steel, 12"	1	Screwdriver, Jeweler's, 6 pc.	1	Hammer, Dead Blow, 20 oz., 11"	
6	Clamp, C-Clamp, 3"	<b>Great Neck</b>	2	Hammer, Nail, 13 oz., 13"			
2	Clamp, C-Clamp, 6"	1	Pry Bar, Utility, 15"	6	Hammer, Nail, 16 oz., 13-1/4"		
12 ea.	Clamp, C-Clamp: 1", 2"	5 ea.	Screwdriver, Phil.: #'s 1, 2	2	Hammer, Soft Face, 8 oz., 12"		
12 ea.	Clamp, Spring: 1", 3"	5 ea.	Screwdriver, Std.: 3", 4", 6"	<b>Irwin</b>	2	Knife, Putty, Flexible	
1	Saw, Miter, Comp.	<b>Alvin</b>	1	Bit, Drill, HSS, 15 pc.	1	Nail Set, 3 pc.	
<b>Alvin</b>	1	Lamp, Magnifier	1	Bit, Spade, 6", 13 pc.	6	Nail Set, Self-centering	
<b>Black &amp; Decker</b>	2	Screwdriver, Cordless, 3.6V	6	Pliers, Slip Joint, 6"	2	Rule, Tape, 1" x 25"	
<b>Blackhawk</b>	12	Saw, Dovetail, 10", 14 tpi	<b>Johnson</b>	3	Saw, Coping, 6-3/4"		
1	Torque Wrench, 3/8"	3	Bevel, Sliding T, 8"	1	Saw, Hacksaw, Tubular		
1	Wrench, Comb., Frac., 14 pc.	1	Level, Alum., 24"	1	Saw, Handsaw, 20", 9 tpi		
1	Wrench, Comb., Met., 8 pc.	1	Level, Torpedo, Alum., 9"	2	Square, Comb., 12"		
<b>Bosch</b>	2	Drill, Cordless, 3/8", 12V	<b>Lisle</b>	1	Level, Torpedo, Alum., 2" x 24"		
<b>Channellock</b>	6	Pliers, Lineman's, Rnd. Nose, 7"	2	Surform, File, Rnd., 14-1/4"			
<b>Coleman</b>	6	Pliers, Diagonal Cut, 6"	2	Surform, Pocket, 5-1/2"			
3	Surge Suppressor	<b>CS Osborne</b>	10	Ruler, Alum., 36"	2	Surform, Shaver, 7-1/4"	
<b>Crescent</b>	2	Pliers, Chain Nose, Long, 6"	<b>Stanley Fastening</b>	8	Glue Gun Sticks, Dual Temp, 24 pc.		
6	Pliers, Long Nose, Chain, 6"	6	File Handle, for 10" file	8	Glue Gun, Dual Temp		
1	Wrench, Adj., 12"	6	File Handle, for 8" file	<b>Starrett</b>	1	Caliper, Inside, 6"	
3	Wrench, Adj., 6"	<b>Marson</b>	1	Rivet Tool	1	Caliper, Outside, 6"	
<b>CS Osborne</b>	1	Mallet, Black Rubber, 13 oz.	2	Rivets, Alum., 100 pc.	1	Divider, 6"	
1	Mallet, Hick, Srt. Side, 2" x 4"	<b>Mayhew</b>	1	Punch & Chisel, 14 pc.	2	Square, Comb., 12"	
<b>Dremel</b>	1	Rotary Tool, Vise, D-Vise	<b>Nicholson</b>	6	File Card	6	Square, Comb., 6"
2	Rotary Tool, VS	<b>Ekling</b>	1	File, 3 Sq. Bastard, 10"	<b>Techni-Edge</b>	12	Knife, Artist's, #1
<b>Ekling</b>	1	Wrench, Hex Key, Met., 10 pc.	1	File, Flat Bastard, 10"	<b>Vise-Grip</b>	2	Pliers, Locking, Long Nose, Cutter, 9"
<b>Elenco</b>	1	Socket, 1/4D, 6-pt., 13 pc.	1	File, Half Rnd. Bastard, 10"	2	Pliers, Locking, Srt. Jaw, 10"	
<b>General</b>	6	Compass, Pencil, 8"	6	File, Half Rnd. Smooth, 8"	<b>Weller</b>	6	Iron, Soldering, 25W
6	Rule, Steel, 12"	<b>Gear Wrench</b>	1	File, Hand Bastard, 10"	<b>Wiss</b>	2	Snips, Srt., 11"
1	Screwdriver, Jeweler's, 6 pc.	<b>Elenco</b>	1	File, Rnd. Bastard, 10"	<b>Xcelite</b>	1	Nut Driver, 7 pc.
<b>Great Neck</b>	1	Pry Bar, Utility, 15"	1	File, Sq. Bastard, 10"			
3	Screwdriver, Phil., #1		2	Saw, Comp./Key., 12", 8 tpi			

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### 48"W Woodworking Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 48"W x 22"D x 84"H.

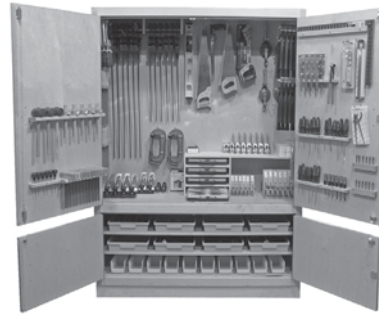
**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558200), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
155356	TC-4810	Cabinet Only	\$1,755.00
558776	MWTC4810-T	Tools Only	\$3,195.00
558777	MWTC4810-CT	Cabinet Plus Tools	\$4,795.00
558200	MWTPKG-48	14 Tote Trays	\$169.00

#### Complete Set of Tools for MWTC4810-T

<b>Adjustable Clamp</b>	<b>Lutz</b>	2	Nail Set, 3 pc.
6 Clamp, C-Clamp, 6"	2 File Card	2	Plane, Bench
6 Clamp, Handscrew, 8"	<b>Nicholson</b>	4	Plane, Block
<b>CS Osborne</b>	3 Rasp, Half Rnd. Bastard, 10"	2	Plane, Jack
2 Divider, Wing, 8"	6 Rasp, Half Rnd., 10"	3	Saw, Back, 14", 12 tpi
3 Mallet, Black Rubber, 13 oz.	3 Saw, Handsaw, 24", 12 tpi	3	Saw, Coping, 6-3/4"
<b>DeWalt</b>	<b>Norton</b>	1 ea.	Screwdriver, Phil: #'s 2, 3, 4
3 Drill, Electric, VSR, 3/8"	1 Stone, Oil, 2" x 1" x 8"	1	Screwdriver, Std., 8"
<b>Footprint</b>	2 Stone, Slip, Medium Grit	3 ea.	Screwdriver, Std.: 4", 6"
2 Gauge, Marking	<b>Olson</b>	1	Square, Rafter, Alum, 2" x 24"
<b>General</b>	20 Blade, Saw, Coping, 6-1/2", 15 tpi, 4/pkg.	<b>Starrett</b>	1 Gauge, Drill & Tap
2 Countersink, 1/2"	<b>Porter-Cable</b>	<b>Two Cheries</b>	4 Blade, Scraper, 3 pc.
12 Rule, Steel, 12"	2 Sander, Palm Grip	<b>Weiler</b>	6 Duster, Counter, 8"
<b>Irwin</b>	1 Saw, Jig, VS Orbital	<b>X-Acto</b>	1 Carving Tool, 6 pc.
1 Bit, Auger, 13 pc.	<b>Stanley</b>		
1 Bit, Drill, HSS, 15 pc.	3 Awl, Scratch		
<b>Johnson</b>	1 Chisel, 1"		
2 Bevel, Sliding T, 8"	2 ea. Chisel: 1/4", 3/8", 1/2", 3/4"		
1 Level, Alum., 24"	8 ea. Hammer, Nail, 13 oz.: 13", 13-1/4"		
7 Square, Try, 8"			



### 60"W Woodworking Cabinet

**Hann** Heavy-duty built with 1-1/2" thick mortise and tenon frames, doors mounted on continuous hinges and 3/4" thick plywood back. Upper cabinet & doors are lined with dedicated tool holders. Lower cabinet consists of 2 adjustable shelves made of veneercore ply-

wood. Master-keyed locking doors. Natural finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** 8 tote trays (12-1/4"W x 3"H x 16-3/4"L) & 10 shelf bins (4-1/8"W x 4"H x 11-5/8"L).

**Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
439420	TS-10	Cabinet Only	\$2,400.00
558575	MWTS10-T-02	Tools Only	\$4,395.00
558650	MWTS10-CTHN	Cabinet Plus Tools	\$6,395.00

#### Complete Set of Tools for MWTS10-T-02

<b>Adjustable Clamp</b>	<b>Lutz</b>	2	Plane, Block
6 Clamp, C-Clamp, 6"	6 File Card	4	Plane, Jack
6 ea. Clamp, Handscrew: 6", 8"	12 File Handle, for 10" file	8	Rule, Tape, 1"x 25'
<b>Channellock</b>	<b>Nicholson</b>	4	Saw, Back, 14", 12 tpi
1 Pliers, Cutting Nippers, 10"	6 Rasp, Half Rnd. Bastard, 10"	6	Saw, Coping, 6-3/4"
<b>Crescent</b>	10"	1	Scraper, Cabinet
4 Pliers, Comb., Slip Joint, 8"	6 Rasp, Half Rnd., 10"	3	Square, Rafter, Alum, 2" x 24"
3 Screwdriver, Comb., 6 pc.	2 Saw, Comp/Key., 12", 8 tpi	<b>Starrett</b>	1 Gauge, Drill & Tap
<b>CS Osborne</b>	4 Saw, Handsaw, 20", 8 tpi	<b>Two Cheries</b>	4 Blade, Scraper, 3 pc.
2 Divider, Wing, 8"	1 Saw, Handsaw, 24", 12 tpi	<b>Vise-Grip</b>	2 Pliers, Locking, Large Jaw, 12"
3 Mallet, Black Rubber, 13 oz.	<b>Olson</b>	<b>W.L. Fuller</b>	2 Countersink, 7 pc.
<b>Footprint</b>	20 Blade, Saw, Coping, 6-1/2", 20 tpi, 4/pkg.	<b>Weiler</b>	6 Brush, Bench, 8"
5 Gauge, Marking	<b>Quick-Grip</b>	<b>X-Acto</b>	1 Carving Tool, 6 pc.
<b>General</b>	10 ea. Clamp, Spring: 2", 3"		
12 Rule, Steel, 12"	6 ea. Clamp/Spread: Bar: 24", 36"		
<b>Great Neck</b>	<b>Stanley</b>		
4 Drill, Hand	6 Awl, Scratch		
<b>Irwin</b>	4 Chisel, 6 pc.		
2 Bit, Auger, 13 pc.	8 Hammer, Nail, Curve Claw, 16 oz., 13-1/4"		
2 Bit, Drill, HSS, 15 pc.	8 Hammer, Nail, Rip Claw, 16 oz., 13-1/4"		
4 Pliers, Slip Joint, 8"	3 Nail Set, 3 pc.		
<b>Johnson</b>	2 Plane, Bench		
2 Bevel, Sliding T, 8"			
3 Level, Alum., 24"			
12 Square, Try, 8"			

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### 60"W Woodworking Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels

mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** pegboard hook assortment.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

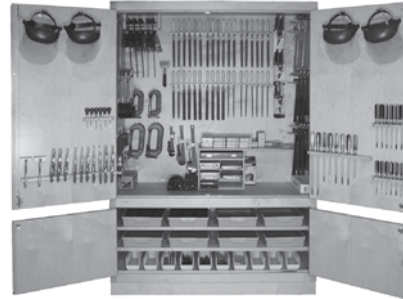
Stk.	Mfr.	Item	Price
<b>155670</b>	TC-10	Cabinet Only	<b>\$2,159.00</b>
<b>558575</b>	MWTS10-T-02	Tools Only	<b>\$4,395.00</b>
<b>558642</b>	MWTS10-CT-02	Cabinet Plus Tools	<b>\$5,995.00</b>
<b>543842</b>	MWOPT-1	Power Tools Only	<b>\$1,295.00</b>
<b>558201</b>	MWTPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTS10-T-02

<b>Adjustable Clamp</b>	<b>Lutz</b>	2	Plane, Block
6 Clamp, C-Clamp, 6"	6 File Card	4	Plane, Jack
6 ea. Clamp, Handscrew: 6", 8"	12 File Handle, for 10" file	8	Rule, Tape, 1"x 25"
<b>Channellock</b>	<b>Nicholson</b>	4	Saw, Back, 14", 12 tpi
1 Pliers, Cutting Nippers, 10"	6 Rasp, Half Rnd. Bastard, 10"	6	Saw, Coping, 6-3/4"
<b>Crescent</b>	2 Saw, Comp./Key, 12", 8 tpi	1	Scraper, Cabinet
4 Pliers, Comb., Slip Joint, 8"	4 Saw, Handsaw, 20", 8 tpi	3	Square, Rafter, Alum, 2" x 24"
3 Screwdriver, Comb., 6 pc.	1 Saw, Handsaw, 24", 12 tpi	<b>Starrett</b>	1 Gauge, Drill & Tap
<b>CS Osborne</b>	<b>Olson</b>	<b>Two Cherries</b>	4 Blade, Scraper, 3 pc.
2 Divider, Wing, 8"	20 Blade, Saw, Coping, 6-1/2", 20 tpi, 4/pkg.	<b>Vise-Grip</b>	2 Pliers, Locking, Large Jaw, 12"
3 Mallet, Black Rubber, 13 oz.	<b>Quick-Grip</b>	<b>W.L. Fuller</b>	2 Countersink, 7 pc.
<b>Footprint</b>	10 ea. Clamp, Spring: 2", 3"	<b>Weiler</b>	6 Brush, Bench, 8"
5 Gauge, Marking	6 ea. Clamp/Spreader, Bar: 24", 36"	<b>X-Acto</b>	1 Carving Tool, 6 pc.
<b>General</b>	<b>Stanley</b>		
12 Rule, Steel, 12"	6 Awl, Scratch		
<b>Great Neck</b>	4 Chisel, 6 pc.		
4 Drill, Hand	8 Hammer, Nail, Curve Claw, 16 oz., 13-1/4"		
<b>Irwin</b>	8 Hammer, Nail, Rip Claw, 16 oz., 13-1/4"		
2 Bit, Auger, 13 pc.	3 Nail Set, 3 pc.		
2 Bit, Drill, HSS, 15 pc.	2 Plane, Bench		
4 Pliers, Slip Joint, 8"			
<b>Johnson</b>			
2 Bevel, Sliding T, 8"			
3 Level, Alum., 24"			
12 Square, Try, 8"			

#### Complete Set of Tools for MWOPT-1

<b>DeWalt</b>	<b>Morse</b>	1	Sander, Belt, 3" x 24"
2 Drill, Electric, VSR, 3/8"	1 Blade, Jig Saw, Bi-Metal, 5 pc.	2	Sander, Palm Grip
<b>Freud</b>	<b>Porter-Cable</b>	1	Saw, Jig, VS Orbital
1 Bit, Router, HSS, 9 pc.	1 Router, 1-3/4 HP		



### 60"W Metalworking Cabinet

**Hann** Heavy-duty built with 1-1/2" thick mortise and tenon frames, doors mounted on continuous hinges and 3/4" thick plywood back. Upper cabinet & doors are lined with dedicated tool holders. Lower cabinet consists of 2 adjustable shelves made of

veneercore plywood. Master-keyed locking doors. Natural finish. Shipped set up.

Overall size 48"W x 22"D x 84"H.

**Includes** 6 tote trays (12-1/4"W x 3"H x 16-3/4"L) & 8 shelf bins (4-1/8"W x 4"H x 11-5/8"L).

**Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>439421</b>	TS-11	Cabinet Only	<b>\$2,400.00</b>
<b>558774</b>	MWTS11-T-02	Tools Only	<b>\$6,295.00</b>
<b>558651</b>	MWTS11-CTHN	Cabinet Plus Tools	<b>\$8,595.00</b>

#### Complete Set of Tools for MWTS11-T-02

<b>Adjustable Clamp</b>	<b>Lufkin</b>	<b>Roper Whitney</b>
6 ea. Clamp, C-Clamp: 4", 6"	2 Rule, Circumference, 36"	2 Seamer, Hand
<b>American Beauty</b>	6 Rule, Steel, 24"	<b>Sellstrom</b>
1 Soldering Iron, 100W	3 Rule, Steel, 36"	4 Face shield, Clear Window, Ratchet Headgear
<b>Crescent</b>	<b>Lutz</b>	<b>Stanley</b>
4 Wrench, Adj., 8"	6 File Cleaner	6 Awl, Scratch
2 ea. Wrench, Adj.: 10", 12"	36 File Handle, for 10" file	6 Hammer, Ball Pein, 12 oz x 13", 16 oz x 14"
<b>CS Osborne</b>	<b>Mayhew</b>	2 Screwdriver, Std., 12"
1 ea. Rivet Set: #s 00, 0, 1, 2, 3, 4, 5, 6	2 ea. Chisel, Cold: 1/4", 3/8", 1/2", 3/4", 1"	6 ea. Screwdriver, Std.: 4", 6", 8"
<b>General</b>	3 ea. Punch, Ctr.: 1/4", 3/8", 1/2"	<b>Starrett</b>
6 Gauge, Ctr.	<b>Nicholson</b>	20 ea. Blade, Hacksaw: 10" x 18 tpi, 10" x 24 tpi
1 Gauge, Drill	4 File, Flat Bastard, 10"	3 ea. Caliper, Inside: 6", 8"
1 Gauge, Sheet Metal	4 File, Flat Smooth, 10"	3 ea. Caliper, Outside: 6", 8"
12 ea. Rule, Steel: 6", 12"	4 File, Half Rnd. Bastard, 10"	3 Divider, 6"
<b>Great Neck</b>	4 File, Half Rnd. Smooth, 10"	1 Gauge, Surface
4 Hammer, Cross Pein, 3 lbs.	4 File, Mill Bastard, 10"	4 Micrometer, Outside
<b>Hanson</b>	4 File, Mill Second Cut, 10"	1 Square Comb. Set, 12"
1 Tap & Die, 39 pc.	4 File, Mill Smooth, 10"	1 VBlocks & Clamp
<b>Irwin</b>	4 File, Rnd. Smooth, 10"	<b>Vise-Grip</b>
2 Bit, Drill, HSS, 29 pc.	6 Saw, Hacksaw, 10", 18 tpi	2 Locking Tool, Sheet Metal, 8"
3 Pliers, Slip Joint, 6"	<b>Production Tool</b>	2 Pliers, Locking, 7 pc.
4 Pliers, Slip Joint, 8"	2 ea. Drill & Countersink: 1/8", 3/16", 1/4", 5/16", 7/16", 1/2"	<b>Weiler</b>
4 Pliers, Slip Joint, Thin Nose, 6"	<b>Quick-Grip</b>	12 Brush, Bench, 8"
6 Snips, Aviation, L. Cut, 10"	5 Clamp/Spreader, Bar, 12"	<b>Wilton</b>
6 Snips, Aviation, R. Cut, 10"	<b>Ridgid</b>	1 Vise, Angle
6 Snips, Aviation, Srt. Cut, 10"	1 ea. Wrench, Pipe: 10", 14", 18"	

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### 60"W Metalworking Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" T

maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** pegboard hook assortment.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155737</b>	TC-11	Cabinet Only	<b>\$2,427.00</b>
<b>558774</b>	MWTS11-T-02	Tools Only	<b>\$6,295.00</b>
<b>558843</b>	MWTS11-CT-02	Cabinet Plus Tools	<b>\$8,395.00</b>
<b>558201</b>	MWTPPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTS11-T-02

Adjustable Clamp	Lufkin	Roper Whitney
6 ea. Clamp, C-Clamp: 4", 6"	2 Rule, Circumference, 36"	2 Seamer, Hand
<b>American Beauty</b>	6 Rule, Steel, 24"	<b>Sellstrom</b>
1 Soldering Iron, 100W	3 Rule, Steel, 36"	4 Face shield, Clear Window, Ratchet Headgear
<b>Crescent</b>	<b>Lutz</b>	<b>Stanley</b>
4 Wrench, Adj., 8"	6 File Cleaner	6 Awl, Scratch
2 ea. Wrench, Adj.: 10", 12"	36 File Handle, for 10" file	6 Hammer, Ball Pein, 12 oz x 13", 16 oz x 14"
<b>CS Osborne</b>	<b>Mayhew</b>	2 Screwdriver, Std., 12"
1 ea. Rivet Set: #'s 00, 0, 1, 2, 3, 4, 5, 6	2 ea. Chisel, Cold: 1/4", 3/8", 1/2", 3/4", 1"	6 ea. Screwdriver, Std.: 4", 6", 8"
<b>General</b>	3 ea. Punch, Ctr.: 1/4", 3/8", 1/2"	<b>Starrett</b>
6 Gauge, Ctr.	<b>Nicholson</b>	20 ea. Blade, Hacksaw: 10" x 18 tpi, 10" x 24 tpi
1 Gauge, Drill	4 File, Flat Bastard, 10"	3 ea. Caliper, Inside: 6", 8"
1 Gauge, Sheet Metal	4 File, Flat Smooth, 10"	3 ea. Caliper, Outside: 6", 8"
12 ea. Rule, Steel: 6", 12"	4 File, Half Rnd. Bastard, 10"	3 Divider, 6"
<b>Great Neck</b>	4 File, Half Rnd. Smooth, 10"	1 Gauge, Surface
4 Hammer, Cross Pein, 3 lbs.	4 File, Mill Bastard, 10"	4 Micrometer, Outside
<b>Hanson</b>	4 File, Mill Second Cut, 10"	1 Square Comb. Set, 12"
1 Tap & Die, 39 pc.	4 File, Rnd. Bastard, 10"	1 VBlocks & Clamp
<b>Irwin</b>	4 File, Rnd. Smooth, 10"	<b>Vise-Grip</b>
2 Bit, Drill, HSS, 29 pc.	6 Saw, Hacksaw, 10", 18 tpi	2 Locking Tool, Sheet Metal, 8"
3 Pliers, Slip Joint, 6"	<b>Production Tool</b>	2 Pliers, Locking, 7 pc.
4 Pliers, Slip Joint, 8"	2 ea. Drill & Countersink: 1/8", 3/16", 1/4", 5/16", 7/16", 1/2"	<b>Weiler</b>
4 Pliers, Slip Joint, Thin Nose, 6"	<b>Quick-Grip</b>	12 Brush, Bench, 8"
6 Snips, Aviation, L. Cut, 10"	5 Clamp/Spreader, Bar, 12"	<b>Wilton</b>
6 Snips, Aviation, R. Cut, 10"	<b>Rigid</b>	1 Vise, Angle
6 Snips, Aviation, Srt. Cut, 10"	1 ea. Wrench, Pipe: 10", 14", 18"	



### 48"W General Shop Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" T maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 48"W x 22"D x 84"H.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558200), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155355</b>	TC-4812	Cabinet Only	<b>\$1,926.00</b>
<b>558778</b>	MWTC4812-T	Tools Only	<b>\$5,895.00</b>
<b>558779</b>	MWTC4812-CT	Cabinet Plus Tools	<b>\$7,195.00</b>
<b>558200</b>	MWTPPKG-48	14 Tote Trays	<b>\$169.00</b>

#### Complete Set of Tools for MWTC4812-T

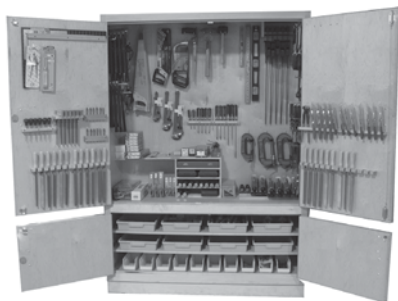
Adjustable Clamp	Johnson	Porter-Cable
4 ea. Clamp, C-Clamp: 4", 6"	1 Snips, Strght., 10"	2 Sander, Palm Grip
3 ea. Clamp, Handscrew: 6", 8"	<b>Johnson</b>	1 Saw, Jig, VS Orbital
<b>American Beauty</b>	1 Bevel, Sliding T, 8"	<b>Rigid</b>
1 Soldering Iron, 100W	1 Level, Alum., 24"	1 Vise, Pipe
<b>Bosch</b>	5 Square, Try, 8"	1 ea. Wrench, Pipe: 10", 14"
2 Sander, 1/2 Sheet	<b>Lufkin</b>	<b>Roper Whitney</b>
<b>Channellock</b>	6 Rule, Steel, 24"	1 Seamer, Hand
1 Pliers, Cutting Nippers, 10"	<b>Lutz</b>	<b>Stanley</b>
<b>Crescent</b>	10 File Card	3 Awl, Scratch
1 ea. Wrench, Adj.: 8", 10", 12"	27 File Handle, for 10" file	2 ea. Chisel: 1/4", 3/8", 1/2", 3/4", 1"
<b>CS Osborne</b>	<b>Mayhew</b>	4 Hammer, Ball Pein, 12 oz, 13"
1 Divider, Wing, 6"	1 ea. Chisel, Cold: 3/8", 1/2", 3/4", 7/8", 1"	4 Hammer, Nail, 13 oz, 13"
2 Mallet, Rubber, 13 oz.	2 ea. Punch, Ctr.: 3/8", 1/2"	2 ea. Nail Set: 1/32", 2/32", 3/32"
1 ea. Rivet Set: #'s 3, 4, 5, 6	<b>Nicholson</b>	1 Plane, Bench
<b>Desmond-Stephan</b>	1 File, 3 Sq. Bastard, 10"	2 Plane, Block
1 Wheel Dresser	1 File, Flat Bastard, 10"	1 Plane, Jack
<b>DeWalt</b>	1 File, Flat Smooth, 10"	1 Saw, Back, 14", 12 tpi
3 Drill, Electric VSR, 3/8"	1 File, Half Rnd. Bastard, 10"	2 Saw, Coping, 6-3/4"
<b>Footprint</b>	1 File, Half Rnd. Smooth, 10"	1 ea. Screwdriver, Phil: #'s 2, 3, 4 tpi, 24 tpi
2 Gauge, Marking	1 File, Mill Bastard, 10"	1 Screwdriver, Std., 12"
<b>General</b>	1 File, Mill Second Cut, 10"	2 ea. Screwdriver, Std.: 4", 6", 8"
3 Countersink, 1/2"	1 File, Mill Smooth, 10"	1 Square, Rafter, Alum., 2" x 24"
3 Gauge, Ctr.	1 File, Rnd. Bastard, 10"	<b>Starrett</b>
1 Gauge, Drill	1 File, Rnd. Second Cut, 10"	10 ea. Blade, Hacksaw, 10": 18 tpi, 24 tpi
6 Rule, Steel, 6"	1 File, Rnd. Smooth, 10"	1 ea. Caliper, Inside: 6", 8"
<b>Great Neck</b>	1 Rasp, Half Rnd. Bastard, 10"	1 ea. Caliper, Outside: 6", 8"
1 Carving Tool, 6 pc.	1 Saw, Comp/Key, 12", 8 tpi	1 Comb. Sq. Set, 12"
1 Hammer, Cross Pein, 3 lbs.	2 Saw, Hacksaw, 10", 18 tpi	1 Divider, 6"
1 Wood Turning Tool, 8 pc.	3 Saw, Handsaw, 24", 12 tpi	1 Gauge, Surface
<b>Hanson</b>	<b>Norton</b>	2 Micrometer, Outside
1 Tap & Die, 39 pc.	1 Stone, India Oil, 2" x 1" x 6"	1 VBlocks & Clamp
<b>Irwin</b>	2 Stone, Slip, Fine Grit	<b>Wilton</b>
1 Bit, Auger, 13 pc.	<b>Olson</b>	1 Vise, Angle
1 Bit, Drill, HSS, 13 pc.	20 Blade, Saw, Coping, 6-1/2", 15 tpi, 4/pkg.	
2 Pliers, 6" Thin Nose	<b>Plews</b>	
2 Pliers, Slip Joint, 6"	2 Oiler, Bench	
1 Snips, Circular, 10"		

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### 60"W General Shop Cabinet

**Hann** Heavy-duty built with 1-1/2" thick mortise and tenon frames, doors mounted on continuous hinges and 3/4" thick plywood back. Upper cabinet & doors are lined with dedicated tool holders. Lower cabinet consists of 2 adjustable shelves made of

veneercore plywood. Master-keyed locking doors. Natural finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** 8 tote trays (12-1/4"W x 3"H x 16-3/4"L ea.) & 10 shelf bins (4-1/8"W x 4"H x 11-5/8"L ea.).

**Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
439422	TS-12	Cabinet Only	\$2,400.00
558708	MWTS12-T	Tools Only	\$5,995.00
558652	MWTS12-CTHN	Cabinet Plus Tools	\$7,995.00

#### Complete Set of Tools for MWTS12-T

Adjustable Clamp		Lufkin		Ridgid	
4	Clamp, C-Clamp, 4"	1	Rule, Circumference	1 ea.	Wrench, Pipe: 10", 14", 18"
6	Clamp, C-Clamp, 6"	12	Rule, Steel, 12"	<b>Roper Whitney</b>	
3 ea.	Clamp, Handscrew: 6", 8"	3	Rule, Steel, 24"	1	Seamer, Hand
<b>American Beauty</b>		1	Rule, Steel, 36"	<b>Stanley</b>	
1	Soldering Iron, 100W	<b>Lutz</b>		6	Awl, Scratch
<b>Channellock</b>		10	File Card	2 ea.	Chisel: 1/4", 3/8", 1/2", 3/4", 1"
1	Pliers, Cutting Nippers, 10"	27	File Handle, for 10" file	3 ea.	Hammer, Ball Pein: 12 oz. x 13", 16 oz. x 14"
<b>Crescent</b>		<b>Marson</b>		4 ea.	Hammer, Nail: 13 oz. x 13", 16 x 13-1/4"
3	Wrench, Adj., 8"	2	Rivet Tool Kit	3	Nail Set, 3 pc.
2 ea.	Wrench, Adj.: 10", 12"	<b>Mayhew</b>		2	Plane, Bench
<b>CS Osborne</b>		1 ea.	Chisel, Cold: 3/8", 1/2", 3/4", 7/8", 1"	2	Plane, Block
1	Divider, Wing, 6"	1 ea.	Punch, Ctr.: 3/8", 1/2"	4	Plane, Jack
2	Mallet, Black Rubber, 13 oz.	<b>Nicholson</b>		2	Saw, Back, 14", 12 tpi
<b>Desmond-Stephan</b>		1	File, 3 Sq. Bastard, 10"	6	Saw, Coping, 6-3/4"
1	Wheel Dresser	2	File, Flat Bastard, 10"	2 ea.	Screwdriver, Phil.: #s 0, 3
<b>Eklind</b>		2	File, Flat Smooth, 10"	2 ea.	Screwdriver, Phil.: #s 1, 2
1	Wrench, Hex Key, Frac, 18 pc.	2	File, Half Rnd. Bastard, 10"	2 ea.	Screwdriver, Std.: 4", 6", 8"
<b>Footprint</b>		2	File, Half Rnd. Smooth, 10"	1	Spoke Shave
2	Gauge, Marking	2	File, Mill Bastard, 10"	2	Square, Rafter, Alum, 2" x 24"
<b>General</b>		2	File, Mill Second Cut, 10"	1	Square, Steel, 1-1/2" x 12"
1	Carving Tool, 6 pc.	2	File, Mill Smooth, 10"	<b>Starrett</b>	
1	Countersink, 1/2"	2	File, Mill Smooth, 10"	10 ea.	Blade, Hacksaw: 10" x 18 tpi, 10" x 24 tpi
3	Gauge, Ctr.	2	File, Rnd. Bastard, 10"	2	Caliper, Inside, 6"
1	Gauge, Drill	2	File, Rnd. Second Cut, 10"	1	Caliper, Outside, 8"
6	Rule, Steel, 6"	2	File, Rnd. Smooth, 10"	2	Divider, 6"
<b>Great Neck</b>		3	Rasp, Flat Bastard, 10"	1	Gauge, Surface
2	Hammer, Cross Pein, 3 lbs.	3	Rasp, Half Rnd. Bastard, 10"	2	Micrometer, Outside
<b>Hanson</b>		2	Saw, Comp./Key., 12", 8 tpi	1	Square, Comb., 12"
1	Tap & Die, 39 pc.	3	Saw, Hacksaw, 10", 18 tpi	1	V Blocks & Clamp
<b>Irwin</b>		4	Saw, Handsaw, 24", 12 tpi	<b>Steelex</b>	
1	Bit, Auger, 13 pc.	<b>Norton</b>		1	Bit, Drill, 115 pc.
4	Pliers, Slip Joint: 6"	1	Stone, India Oil, 2" x 1" x 6"	<b>Two Cherries</b>	
4	Pliers, Slip Joint: 8"	2	Stone, Slip, Medium Grit	3	Blade, Scraper, 3 pc.
2	Pliers, Slip-Joint, Thin, Nose, 6"	<b>Olson</b>		<b>Wilton</b>	
3	Snips, Aviation, L., 10"	20	Blade, Saw, Coping, 6-1/2", 20 tpi, 4/pkg.	1	Vise, Angle
3	Snips, Aviation, R., 10"	<b>Plews</b>		<b>Production Tool</b>	
3	Snips, Aviation, Srt., 10"	3	Oiler, Bench	1 ea.	Dnll & Countersink: 1/8", 3/16", 1/4", 5/16", 7/16", 1/2"
<b>Johnson</b>		<b>Quik-Grip</b>		5	Clamp, Bar, 24"
2	Bevel, Sliding T, 8"				
1	Level, Alum., 24"				
6	Square, Try, 8"				
<b>Kunz</b>					
1	Scraper, Cabinet				



### 60"W General Shop Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" T

maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
155804	TC-12	Cabinet Only	\$2,230.00
558708	MWTS12-T	Tools Only	\$5,995.00
558909	MWTS12-CT	Cabinet Plus Tools	\$7,995.00
558201	MWTTPKG-60	19 Tote Trays	\$229.00

#### Complete Set of Tools for MWTS12-T

Adjustable Clamp		Lufkin		Ridgid	
4	Clamp, C-Clamp, 4"	1	Rule, Circumference	1 ea.	Wrench, Pipe: 10", 14", 18"
6	Clamp, C-Clamp, 6"	12	Rule, Steel, 12"	<b>Roper Whitney</b>	
3 ea.	Clamp, Handscrew: 6", 8"	3	Rule, Steel, 24"	1	Seamer, Hand
<b>American Beauty</b>		1	Rule, Steel, 36"	<b>Stanley</b>	
1	Soldering Iron, 100W	<b>Lutz</b>		6	Awl, Scratch
<b>Channellock</b>		10	File Card	2 ea.	Chisel: 1/4", 3/8", 1/2", 3/4", 1"
1	Pliers, Cutting Nippers, 10"	27	File Handle, for 10" file	3 ea.	Hammer, Ball Pein: 12 oz. x 13", 16 oz. x 14"
<b>Crescent</b>		<b>Marson</b>		4 ea.	Hammer, Nail: 13 oz. x 13", 16 x 13-1/4"
3	Wrench, Adj., 8"	2	Rivet Tool Kit	3	Nail Set, 3 pc.
2 ea.	Wrench, Adj.: 10", 12"	<b>Mayhew</b>		2	Plane, Bench
<b>CS Osborne</b>		1 ea.	Chisel, Cold: 3/8", 1/2", 3/4", 7/8", 1"	2	Plane, Block
1	Divider, Wing, 6"	1 ea.	Punch, Ctr.: 3/8", 1/2"	4	Plane, Jack
2	Mallet, Black Rubber, 13 oz.	<b>Nicholson</b>		2	Saw, Back, 14", 12 tpi
<b>Desmond-Stephan</b>		1	File, 3 Sq. Bastard, 10"	6	Saw, Coping, 6-3/4"
1	Wheel Dresser	2	File, Flat Bastard, 10"	2 ea.	Screwdriver, Phil.: #s 0, 3
<b>Eklind</b>		2	File, Flat Smooth, 10"	2 ea.	Screwdriver, Phil.: #s 1, 2
1	Wrench, Hex Key, Frac, 18 pc.	2	File, Half Rnd. Bastard, 10"	2 ea.	Screwdriver, Std.: 4", 6", 8"
<b>Footprint</b>		2	File, Half Rnd. Smooth, 10"	1	Spoke Shave
2	Gauge, Marking	2	File, Mill Bastard, 10"	2	Square, Rafter, Alum, 2" x 24"
<b>General</b>		2	File, Mill Second Cut, 10"	1	Square, Steel, 1-1/2" x 12"
1	Carving Tool, 6 pc.	2	File, Mill Smooth, 10"	<b>Starrett</b>	
1	Countersink, 1/2"	2	File, Rnd. Bastard, 10"	10 ea.	Blade, Hacksaw: 10" x 18 tpi, 10" x 24 tpi
3	Gauge, Ctr.	2	File, Rnd. Second Cut, 10"	2	Caliper, Inside, 6"
1	Gauge, Drill	2	File, Rnd. Smooth, 10"	1	Caliper, Outside, 8"
6	Rule, Steel, 6"	3	Rasp, Flat Bastard, 10"	2	Divider, 6"
<b>Great Neck</b>		3	Rasp, Half Rnd. Bastard, 10"	1	Gauge, Surface
2	Hammer, Cross Pein, 3 lbs.	2	Saw, Comp./Key., 12", 8 tpi	2	Micrometer, Outside
<b>Hanson</b>		3	Saw, Hacksaw, 10", 18 tpi	1	Square, Comb., 12"
1	Tap & Die, 39 pc.	4	Saw, Handsaw, 24", 12 tpi	1	V Blocks & Clamp
<b>Irwin</b>		<b>Norton</b>		<b>Steelex</b>	
1	Bit, Auger, 13 pc.	1	Stone, India Oil, 2" x 1" x 6"	1	Bit, Drill, 115 pc.
4	Pliers, Slip Joint: 6"	2	Stone, Slip, Medium Grit	<b>Two Cherries</b>	
4	Pliers, Slip Joint: 8"	<b>Olson</b>		3	Blade, Scraper, 3 pc.
2	Pliers, Slip-Joint, Thin, Nose, 6"	20	Blade, Saw, Coping, 6-1/2", 20 tpi, 4/pkg.	<b>Wilton</b>	
3	Snips, Aviation, L., 10"	<b>Plews</b>		1	Vise, Angle
3	Snips, Aviation, R., 10"	3	Oiler, Bench	<b>Production Tool</b>	
3	Snips, Aviation, Srt., 10"	<b>Quik-Grip</b>		5	Clamp, Bar, 24"
<b>Johnson</b>					
2	Bevel, Sliding T, 8"				
1	Level, Alum., 24"				
6	Square, Try, 8"				
<b>Kunz</b>					
1	Scraper, Cabinet				

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### 36"W Power Tool Cabinet

**Shain** Cabinet of hard maple framing with maple veneer. 2 fixed, 4 adjustable full-width shelves (15-7/8"D). 3-point locking doors. Earth-friendly UV finish. Shipped set up.

Overall size 36"W x 22"D x 84"H.

#### Cabinet Only

Stk.	Mfr.	Price
155473	GSC-36	\$1,095.00

#### Cabinet w/Basic Tools

Stk.	Mfr.	Price
558308	MWPTC-2	\$3,295.00

#### Cabinet w/Deluxe Tools

Stk.	Mfr.	Price
558307	MWJR31	\$5,595.00

#### Complete Set of Tools for MWPTC-2

Brand	Qty	Description	Brand	Qty	Description
<b>Bosch</b>	1 ea.	Blade, Saw, Circular, CT: 7" x 40 tpi, 7-1/4" x 24 tpi,	<b>Porter-Cable</b>	1	Router, 1-3/4 HP
1 Sander, 1/2 Sheet		7-1/4" x 40 tpi	1	Router, Laminate Trimmer	
<b>DeWalt</b>	2	Drill, Electric, VSR, 3/8"	2	Sander, Belt, 3" x 24"	
1 Saw, Circular, Electric, 7-1/4"			1	Sander, Palm Grip	
<b>Freud</b>	5 ea.	Blade, Saw, Jig, Bi-Metal, 3" x 3/8": 6, 10, 14 tpi	1 ea.	Sanding Roll, 4-1/2" x 10 yd.: 80, 100, 180 grit	
1 Bit, Router, 9 pc.			1	Saw, Jig, VS Orbital	
<b>Irwin</b>	10 ea.	Sanding Belt, Openkote, 3" x 24": 40, 60, 80, 120 grit			
1 Bit, Drill, HSS, 13 pc.					
1 Bit, Spade, 6", 6 pc.					

#### Complete Set of Tools for MWJR31

Brand	Qty	Description	Brand	Qty	Description
<b>Bosch</b>	3 ea.	Bit, Router, HSS: 1 1/16" Cove, 1/4" & 1/2" Straight, 15/16" Round Over, 1-1/2" V-Grooving	<b>Porter-Cable</b>	1 ea.	Router, Guide, Template: 3/8", 5/16", 1/2", 7/16", 3/4", Lock Nut
<b>Makita</b>	2	Saw, Jig, VS	1	Router, 1-3/4 HP	
<b>Morse</b>	2	Blade, Saw, Jig, 5 pc.	1	Router, Dovetail Machine, 12"	
<b>Norton</b>	10 ea.	Sanding Belt, 3" x 21": 40, 60, 120 grit	1	Router, Guide, Edge	
10 ea.	Sanding Belt, 3" x 24": 60, 120 grit		1 ea.	Sander, Belt: 3" x 21", VS 3" x 24", 4" x 24"	
10 ea.	Sanding Belt, 4" x 24": 40, 60, 120 grit		<b>Vermont American</b>	2	Cutter, Plug 3 pc.
12 ea.	Sanding Sheet, 4-1/2" x 11": 100, 150 grit		3	Drill bit, Countersink 4 pc.	
<b>Irwin</b>	18	Sanding Sheet, 4-1/2" x 11": 60 grit			
3	Bit, Spade, 6", 6 pc.				



### 60"W Building Trades Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" T

maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
155491	TC-26	Cabinet Only	\$2,755.00
558317	MWBT26-T	Tools Only	\$3,495.00
558315	MWBT26-CT	Cabinet Plus Tools	\$5,995.00
558201	MWTPKG-60	19 Tote Trays	\$229.00

#### Complete Set of Tools for MWBT26-T

Brand	Qty	Description	Brand	Qty	Description	
<b>Acme</b>	2	Level, Alum., 24"	2	Chalk Refill, Blue, 8 oz.		
2	Scissors, Srt. Trimmer, 8"	1	Level, Mahogany, 24"	8	Hammer, Crv. Claw, 16 oz., 13-1/4"	
<b>Buck Brothers</b>	2	Plumb Bob, 8 oz.	2	Plumb Bob, 8 oz.	2	Hammer, Framing, 22 oz., 16"
2	Chisel, 1/2"	<b>Lisle</b>	1	Tester, Continuity	4	Hammer, Rip Claw, 16 oz., 13-1/4"
<b>Channellock</b>	2	Pliers, Lineman's, Rnd. Nose, 7"	<b>Lufkin</b>	6	Ruler, Alum., 36"	
2	Pliers, Long Nose, 6"	2	Wire Stripper, 8-1/4"	<b>Marshalltown</b>	2	Knife, Putty, Stiff
5	Wire Stripper, 8-1/4"	2	Chisel, Brick	2	Knife, Utility, Retractable	
<b>Crescent</b>	1	Wrench, Adj., 10"	4	Hammer, Brick	1	Nail Set, 3 pc.
<b>CS Osborne</b>	2	Mallet, Hick, Srt. Side, 2" x 4"	2	Jointer, Brick	2	Plane, Block
<b>Gardner Bender</b>	3	Ripper, Cable	2	Masonry Line, 500'	6	Rule, Tape, 1/2" x 12'
<b>General</b>	2	Compass, Pencil, 8"	4	Trowel, Brick	2	Saw, Back, 14", 12 tpi
2	Punch, Centering	4	Trowel, Pointing	2	Saw, Compass, 12", 8 tpi	
<b>Great Neck</b>	6	File, 8"	<b>Mayhew</b>	2	Saw, Coping, 4-3/4"	
2	Pry Bar, Utility, 15"	2	Chisel, Cold, 1/2"	4	Saw, Hacksaw, Mini, 10", 24 tpi	
5 ea.	Screwdriver, Phil: #'s 1, 2	<b>Nicholson</b>	8	Square, Comb., 12"	9	Square, Rafter, Alum, 2" x 24"
5 ea.	Screwdriver, Std: 3", 4", 6"	6	File, 8"	2	Surform, Pocket, 5-1/2"	
<b>Irwin</b>	1	Bit, Auger, 13 pc.	2	Saw, Handsaw, 20", 8 tpi	2	Tape, Steel, 100'
1	Bit, Drill, HSS, 13 pc.	4	Saw, Handsaw, 24" x 12 tpi	<b>Ridgid</b>	2	Divider, 8"
1	Bit, Speedbor, 6 pc.	4	Cutter, Tubing	<b>Skil</b>	2	Extension Cord, 14/3, 25'
2	Pliers, Slip Joint, 6"	4	Wrench, Pipe, 10"	2	Drill, Electric, VSR, 3/8"	
2	Snips, Aviation, L, 10"	<b>Stanley</b>	6	Awl, Scratch	2	Chalk Line Reel
<b>Johnson</b>	4	Bevel, Sliding T, 8"	2	Chalk Line Reel		

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### 60"W Electricity Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8"T maple veneer panels mounted w/hinges. Earth-

friendly UV finish. Shipped set up.

Overall size 60"W x 84"H x 22"D.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155485</b>	TC-13	Cabinet Only	<b>\$2,612.00</b>
<b>559109</b>	MWTC13-T	Tools Only	<b>\$4,895.00</b>
<b>558910</b>	MWTC13-CT	Cabinet Plus Tools	<b>\$6,995.00</b>
<b>558201</b>	MWTPPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTC13-T

<b>Adjustable Clamp</b> 6 ea. Clamp, C-Clamp: 2", 3", 4"	<b>General</b> 2 Countersink, 1/2" 1 Drill Stop, 6 pc.	1 ea. Saw, Handsaw: 20" x 8 tpi, 24" x 12 tpi
<b>Blackhawk</b> 1 Wrench, Comb., Frac., 14 pc.	<b>Great Neck</b> 2 Screwdriver, Offset, Comb., #2	<b>Norton</b> 4 Sanding, Block
<b>Buck Brothers</b> 1 ea. Chisel: 1/4", 1/2", 3/4", 1"	<b>Hanson</b> 1 Tap & Die, 39 pc.	1 Stone, Oil, India, 2" x 1" x 6"
<b>Channellock</b> 1 Cutter, Cable, 9-1/2"	<b>Irwin</b> 1 Bit, Drill, Auger, 13 pc. 1 Bit, Drill, HSS, 15 pc.	<b>Stanley</b> 2 ea. Screwdriver, Phil.: #s 2, 3, 4 4 Awl, Scratch
8 Pliers, Lineman's, Rnd. Nose, 7"	1 Bit, Drill, Spade, 6", 6 pc.	1 ea. Hammer, Ball Pein: 8 oz. x 12-1/4", 12 oz. x 13", 16 oz. x 14"
8 Pliers, Long Nose, 6"	1 Screw Extractor, 5 pc.	2 Hammer, Nail, Crv. Claw, 16 oz., 13-1/4"
1 Pliers, Tongue & Groove, 10"	3 Snips, Circular, 7"	2 Hammer, Soft Face, 16 oz., 13-1/2"
3 Wining Tool, 8-1/4"	2 Snips, Srt., 10"	1 Level, Alum., 24"
<b>Crescent</b> 8 Pliers, Diagonal, 6"	<b>Jet</b> 1 Cutter, Bolt, 5/16"	4 Nail Set, 3 pc.
4 Wrench, Adj., 4"	<b>Johnson</b> 1 Bevel, Sliding T., 8"	1 Plane, Bench
2 ea. Wrench, Adj.: 6", 8"	2 Square, Try, 8"	1 Plane, Block
<b>CS Osborne</b> 2 Hammer, Uphol., 7-1/2 oz.	<b>Lisle</b> 3 Tester, Continuity	1 Saw, Compass, 12", 8 tpi
1 Mallet, Black Rubber, 30 oz.	<b>Lufkin</b> 6 Rule, Steel, 12"	2 Screwdriver, Cab. Tip: 6", 6"
1 Mallet, Hick, Barrel, 2-1/2" x 5-1/2"	<b>Lutz</b> 2 File Card	3 ea. Screwdriver, Cab. Tip: 3", 4" 3 Screwdriver, Phil., #1 8 Screwdriver, Std., 1-3/4" 8 Screwdriver, Std., 4" 1 Screwdriver, Std., 6"
1 Wing Divider, 6"	<b>Mayhew</b> 1 ea. Chisel, Cold: 3/8", 1/2", 5/8"	3 ea. Screwdriver, Std.: 6", 8" 1 Square, Comb., 12"
<b>Dremel</b> 4 Multi-Vise	2 Punch, Ctr., 3/8" 2 ea. Punch, Pin: 1/8", 3/16"	1 Square, Steel, 12"
<b>Eklind</b> 1 Wrench, Hex Key, Frac., 18 pc.	<b>Milwaukee</b> 1 Drill, Cordless 18V	<b>Starrett</b> 2 Punch, Ctr., 5/32"
3 Wrench, Hex Key, T-Handle, Frac. 6", 8 pc.	<b>Nicholson</b> 8 File Handle, for 10" file 2 File, 5-1/2", 6 pc.	<b>Weller</b> 8 Soldering Gun 4 ea. Soldering Iron: 80W, 175W
<b>Footprint</b> 1 Gauge, Marking	2 File, Mill, Bastard, 10" 2 File, Mill, Second Cut, 10" 2 File, Mill, Smooth, 10"	<b>Wiss</b> 2 Snips, Compound, Srt., 9-3/4"
<b>Gardner Bender</b> 1 Cable Ripper	2 Rasp, Half Rnd., 10"	<b>Xcelite</b> 2 Nut Driver, 7 pc.
6 Knife, Pocket, 3-3/4"	1 Saw, Comp./Key., 12", 8 tpi 2 Saw, Hacksaw, 10", 18 tpi	
3 Multimeter		
2 Terminal Kit		



### 60"W Small Engine Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8"T maple veneer panels mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155488</b>	TC-16	Cabinet Only	<b>\$2,368.00</b>
<b>559115</b>	MWTS16-T	Tools Only	<b>\$4,695.00</b>
<b>559114</b>	MWTS16-CT	Cabinet Plus Tools	<b>\$6,795.00</b>
<b>558201</b>	MWTPPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTS16-T

<b>Armstrong</b> 2 Wrench, Ignition, 9 pc.	<b>Hanson</b> 1 Tap & Die, 24 pc.	<b>Stanley</b> 1 Hammer, Ball Pein, 13", 12 oz. 1 Hammer, Soft Face, 13-1/2", 16 oz.
<b>Blackhawk</b> 1 Wrench, Comb., Frac., 17 pc. 1 Wrench, Comb., Met., 17 pc.	<b>Irwin</b> 2 Pliers, Slip Joint, 6" 1 Pliers, Slip-Joint, Thin Nose, 6"	2 ea. Screwdriver, Phil.: #s 0, 1, 2, 3, 4, 2 Stb.
1 ea. Wrench, Torque: 3/8D, 1/2D	<b>Lisle</b> 1 Spark Plug, Gapper 1 Spark Plug, Tap	2 ea. Screwdriver, Std.: 3", 4", 6", 8", 10", 12", 1-3/4" Stb.
<b>Briggs &amp; Stratton</b> 1 Small Engine Tool Kit	<b>Mayhew</b> 1 ea. Chisel, Cold: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1"	<b>Starrett</b> 1 Gauges, Telescope, 4 pc.
<b>Channellock</b> 1 Pliers, Tongue & Groove, 10" 1 Pliers, Tongue & Groove, 6-1/2"	3 ea. Punch, Ctr.: 1/4", 3/8", 1/2" 2 ea. Punch, Pin: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	<b>Stewart-Warner</b> 1 Tachometer
<b>Crescent</b> 2 ea. Wrench, Adj.: 6", 10" 1 ea. Pliers, Diagonal: 6", 7", 4" Oval Head	1 ea. Punch, Solid: 1/8", 3/16", 1/4", 5/16", 3/8"	<b>Vise-Grip</b> 1 ea. Pliers, Long Nose, Locking: 4", 6", 9"
1 ea. Pliers, Long Nose, Chain: 6", 7"	<b>OEM</b> 1 Puller, Pulley	<b>Weiler</b> 1 Brush, Parts Cleaning 1 Brush, Wire
1 Pliers, Long Nose, Thin, 5"	<b>Plews</b> 2 Oiler, Bench	<b>Weller</b> 1 Soldering Gun
1 Pliers, Needle Nose, Crv., 6" 1 Pliers, Needle Nose, Thin, 6-1/2"	<b>Pratt-Read</b> 1 ea. Screwdriver, Torx: T#s 10 x 3", 15 x 3", 20 x 3", 25 x 3", 27 x 4", 30 x 4"	<b>Zim</b> 1 Cleaner, Groove 1 Compressor, Piston Ring, 1-3/4"-4-1/2"
<b>CS Osborne</b> 1 Mallet, Black Rubber, 13 oz.	<b>Proto</b> 1 Hammer, Brass, 1.5 lbs. 1 Pliers, Retaining Ring, 12 pc. 1 Puller, 7"	1 Expander, Piston Ring, 1-1/4"-2-1/4" 1 Expander, Piston Ring, 2"-4" 1 Hone, Cylinder, 7-3/4"
<b>Eklind</b> 2 Wrench, Hex Key, Frac., 18 pc.	<b>Ridgid</b> 1 Cutter, Tubing 1 Flaring Tool 1 Wrench, Pipe, 10" 1 Wrench, Strap	1 Puller, Gear 1 Reamer, Ridge 1 Valve, Compressor 1 Valve, Grinder 1 Valve, Refacing Lathe
<b>GearWrench</b> 1 Socket, Adapter, 10 pc. 1 Socket, Hex Bit, 10 pc. 1 Socket, Met., 3/8"D, 12-pt., 57 pc. 1 Socket, Std., 1/4"D, 12-pt., 51 pc. 1 Socket, Torx Bit, 13 pc.	<b>Greene</b> 2 Small Engine Stand	

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### 60"W Welding Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels

mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** assorted pegboard hooks.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155487</b>	TC-15	Cabinet Only	<b>\$2,263.00</b>
<b>559112</b>	MWTC15-T	Tools Only	<b>\$3,595.00</b>
<b>559178</b>	MWTC15-CT	Cabinet Plus Tools	<b>\$5,595.00</b>
<b>558201</b>	MWTPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTC15-T

<b>Adjustable Clamp</b>	<b>Johnson</b>	6	Welding Lens, Shade 10, 2" x 4-1/4"		
1 ea. Clamp, C-Clamp, Welder's: 5-3/4", 7-5/8"	2	Square, Bevel, 8"	24	Welding Plate Goggles, Shade 5, 2" x 4-1/4"	
2 ea. Clamp, C-Clamp: 8", 10"	<b>Lutz</b>	2	File Card		
<b>American Beauty</b>	3	File Handle, for 10" file	<b>Shurlite</b>	2	Flint Lighter
2	Soldering Iron, 200W	3	File Handle, for 12" file	4	Flint Renewal 5/pkg.
<b>Anchor</b>	2	Tip Cleaner	<b>Stanley</b>	2	ea. Screwdriver, Phil: #s 1, 2
<b>Crescent</b>	2	ea. Chisel, Cold: 1/4", 3/8", 1/2", 3/4", 7/8", 1"	1	Hammer, Ball Pein, 32 oz., 16"	
1 ea. Wrench, Adj: 10", 12"	<b>Mayhew</b>	4	ea. Punch, Ctr: 1/4", 3/8", 1/2", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	2	ea. Hammer, Ball Pein: 8 oz. x 12-1/4", 12 oz. x 13", 16 oz. x 14", 24 oz. x 15"
<b>Eklind</b>	1	ea. Punch, Pin: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"	2	ea. Hammer, Ball Pein: 8 oz. x 12-1/4", 12 oz. x 13", 16 oz. x 14", 24 oz. x 15"	
1	Wrench, Hex Key, Frac., 9 pc.	<b>Miller</b>	1	Welder, AC Arc, 225V	
<b>Firepower</b>	1	Soapstone Holder	<b>Morse</b>	10	Blade, Hacksaw, Bi-Metal, 10", 32 tpi
2	Welding Soapstone, 5 pc.	<b>Nicholson</b>	1	ea. File, Flat, Bastard: 10", 12"	
<b>Forney</b>	2	Brazing Flux, 1/2 lb.	1	ea. File, Half Rnd, Bastard: 10", 12"	
3	Hammer, Chipping w/brush, 1.3 lbs., 12"	<b>Osborne</b>	3	Clamp, C-Clamp, Locking, Swivel Pad, 11"	
3	Hammer, Chipping, 9 lbs., 10-1/2"	<b>Starrett</b>	12	Scriber, Pocket, Steel	
1	Welder, Oxy-Acetylene	1	VBlocks & Clamp		
<b>General</b>	12	Rule, Steel, 12"	<b>Steiner</b>	1	Apron, Bib, 24" x 36"
<b>Irwin</b>	1	ea. Screw, Extractor: 3/32"-5/32", 5/32"-7/32", 3/8"-5/8", 5/8"-7/8"	2	Apron, Bib, 24" x 42"	
2	ea. Screw, Extractor: 7/32"-9/32", 9/32"-3/8"	2	Apron, Split Leg, 24" x 42"		
		3	Clamp, C-Clamp, Locking, Swivel Pad, 11"		
		3	Pliers, Locking, Srt. Jaw, 10"		



### 60"W Automotive Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels

mounted w/hinges. Earth-friendly UV finish. Shipped set up.

Overall size 60" x 22"D x 84"H.

**Includes** pegboard hook assortment.

**Shown with Tote Trays (Stk. 558201), sold separately. Tools shown in cabinet may vary.**

Stk.	Mfr.	Item	Price
<b>155871</b>	TC-14	Cabinet Only	<b>\$2,853.00</b>
<b>559110</b>	MWTS14-2T	Tools Only	<b>\$5,495.00</b>
<b>559177</b>	MWTS14-2CT	Cabinet Plus Tools	<b>\$7,395.00</b>
<b>558201</b>	MWTPKG-60	19 Tote Trays	<b>\$229.00</b>

#### Complete Set of Tools for MWTS14-2T

<b>Armstrong</b>	3	Pliers, Slip-Joint, Cutter, 10"	1	Puller, Slide Hammer, 27"			
2	Wrench Ignition, 9 pc.	2	Screw Extractor, 6 pc.	1	Scraper, Carbon		
1	Wrench Tappet, 8 pc.	1	Snips, Aviation, Srt. Cut, 10"	1	Scraper, Gasket		
<b>Blackhawk</b>	<b>Lisle</b>	2	Brake, Adjusting Tool	1	Socket, Ratchet Attachment, 1/2"D, 2-1/2"		
2	Wrench, Comb, Frac., 17 pc.	1	Brake, Bleeder Tool	1	ea. Socket, Screwdriver: 3/4", 5/16"		
2	Wrench, Comb, Met., 17 pc.	1	Brake, Spring Tool	1	ea. Socket, Univ., 12-pt., 1/2"D: 1/2", 9/16", 1/2"D, 5/8"		
1	Wrench, Torque, 1/2D, 20.8"	2	Brake, Spring Washer Tool	1	ea. Wrench, Obstruction Box: 7/16" x 1/2", 9/16" x 5/8", 5/8" x 3/4"		
<b>Channellock</b>	1	Compressor, Ring	<b>Ridgid</b>	1	ea. Wrench, Pipe: 10", 14"		
2	Pliers, Diagonal Cut, 6"	2	Gauge, Mini Feeler	<b>Stanley</b>	1	ea. Hammer, Ball Pein: 4 oz. x 10-7/8", 8 oz. x 12-1/4", 12 oz. x 13", 16 oz. x 14", 24 oz. x 15", 32 oz. x 16"	
3	Pliers, Tongue & Groove, 10"	6	Pliers, Brake Spring	3	Hammer, Nail, Crv. Claw, 16 oz., 13-1/4"		
<b>Crescent</b>	1	Puller, Battery Terminal	2	Pliers, Lock Ring	3	Hammer, Nail, Rip. Claw, 16 oz., 13-1/4"	
3	Pliers, Needle Nose, 6-1/2"	1	Puller, Pitman Arm	1	Hammer, Soft Face, 16 oz., 13-1/2"		
2	ea. Wrench, Adj: 6", 8", 10", 12"	2	Spark Plug Gapper	3	Hammer, Soft Face, 8 oz., 12"		
<b>CS Osborne</b>	1	Wrench, Oil Filter	<b>Master Mechanic</b>	2	ea. Screwdriver, Std, Sq. Blade: 4", 6", 8"		
2	Hammer, Riveting, 16 oz.	<b>Mayhew</b>	2	ea. Chisel, Cold: 3/8", 1/2", 3/4", 1"	2	ea. Screwdriver, Std, 3", 4", 6", 8"	
1	Mallet, Black Rubber, 13 oz.	2	ea. Punch, Ctr: 3/8", 1/2"	2	ea. Screwdriver, Phil: #s 0, 1, 3, 4		
<b>Custom</b>	1	Wrench, Cross Rim, 20"	2	ea. Punch, Pin: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4"	2	ea. Screwdriver, Std, Sq. Blade: 4", 6", 8"	
<b>GearWrench</b>	1	Socket, 1/2D, 12-pt., 49 pc.	1	ea. Punch, Pin: 5/16", 3/8"	2	ea. Screwdriver, Std: 3", 4", 6", 8"	
1	Socket, 1/4D, 12-pt., 51 pc.	<b>Nicholson</b>	1	File, Ignition, 5"	1	Wrecking Bar 3/4 x 24"	
1	Socket, 3/8D, 12-pt., 57 pc.	<b>OEM</b>	1	Puller, Bearing	<b>Wiss</b>	1	Snips, Srt., 16-1/2"
1	Socket, Impact, 1/2D, 19 pc.	1	Puller, Pulley	<b>Zim</b>	1	Puller, Gear	
3	ea. Socket, Spark Plug, 3/8D: 13/16" & 5/8"	1	Puller, Tie Rod	<b>Proto</b>	4	Gauge, Feeler, 25 pc.	
1	ea. Socket, Speed Handle: 1/4D, 1/2D & 3/8D	1	Wedge, Pitman Arm	1	ea. Puller, Gear: 4", 10"		
2	Socket, Torx, 13 pc.	<b>OTC</b>	1	Compression Tester Kit			
2	Wrench, Box End, Ratch, 4 pc.	1	Digital Engine Analyzer				
1	Wrench, Flare Nut, Frac, 6 pc.	1	Digital Multimeter				
1	Wrench, Flare Nut, Met, 6 pc.	1	Inductive Timing Light				
<b>General</b>	1	Cutter, Tubing	1	Remote Starter Switch			
1	Pipe Flaring Tool	1	Vacuum & Pressure Tester				
1	Puller, Cotter Pin	<b>Great Neck</b>	3	Screwdriver, Offset Comb.			
<b>Irwin</b>	12	Pliers, Slip Joint, 6"	<b>Irwin</b>	12	Pliers, Slip Joint, 8"		

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

**Attach Tall Storage Cabinets to the wall for added safety.**



405500



405510

### School Tote Trays

**Shirley K's** Sturdy, high-impact plastic trays are unbreakable in normal use. Lightweight trays are easy-to-

handle and soil resistant. High gloss finish cleans easily with mild soap. Front card holder. Tan.

#### 1 Compartment

Stk.	Mfr.	Size	Qty.	Price
405500	T100	9"W x 4-3/8"H x 19"L	1	\$15.70
405501	T101	13-1/8"W x 3-1/2"H x 16-5/8"L	1	\$15.90
405502	T102	13-3/4"W x 4-3/8"H x 19"L	1	\$16.10
405503	T103	11-1/2"W x 4-1/4"H x 18"L	1	\$17.00
405505	T133	10-1/2"W x 4-3/8"H x 13-1/2"L	1	\$15.10
405520	T188	14-1/4"W x 3-1/2"H x 19"L	1	\$16.50

#### 3 Compartments

Stk.	Mfr.	Size	Qty.	Price
405510	T152	5-1/2"W x 2-1/2"H x 10-1/2"L	1	\$10.50

#### 14-Piece Tote Tray Set

**Shain** 3 each 19"L x 9"W x 4-3/8"H (1-compartment tray). 4 each 19"L x 13-3/4"W x 4-3/8"H (1-compartment tray). 7 each 10-1/2"L x 5-1/2"W x 2-1/2"H (3-compartment tray).

**Includes** 3 ea. T100, 4 ea. T102, 7 ea. T152.

Stk.	Mfr.	Item	Price
558200	MWTPPKG-48	14 Tote Trays	\$169.00

#### 19-Piece Tote Tray Set

**Shain** 3 each 19"L x 9"W x 4-3/8"H (1-compartment tray) 6 each 19"L x 13-3/4"W x 4-3/8"H (1-compartment tray) 10 each 10-1/2"L x 5-1/2"W x 2-1/2"H (3-compartment tray)

**Includes** 3 ea. T100, 6 ea. T102, 10 ea. T152.

Stk.	Mfr.	Item	Price
558201	MWTPPKG-60	19 Tote Trays	\$229.00

#### Tote Tray Rails

**Shirley K's** Aluminum rails designed to attach to tables and desks for tray storage. Pre-drilled mounting holes. Allows storage tray to perform like a removable drawer. Easy to clean and disinfect.

**Shown w/Tote Tray & table, sold separately.**

Stk.	Mfr.	Size	Qty.	Price
405480	R15	15"L	2	\$11.20

#### Tote Tray Support Panels

**Shirley K's** Plastic support panel designed to install into casework or cabinets. Once installed, the placement of multiple trays easily glide into the grooves of the panels. Made of high impact polystyrene with a high gloss finish. Easy to clean and disinfect. Tan colored.

Stk.	Mfr.	Size	Qty.	Price
405490	P1028	21-1/4"D x 27"H	1	\$24.10
405491	P1029	21-1/4"D x 29-3/4"H	1	\$25.60

## DRAFTING & DRAWING



### Drafting Supply Cabinet

**Shain** Cabinet is constructed of solid maple framing with maple veneer. 3-point locking doors. Upper shelf provides extra storage. Center area holds T-squares (sold separately) & 8 totes. Lower area stores 18" x 24" drawing boards. Earth-friendly UV finish. Shipped set up.

**Includes** 8 totes & T-square brackets.

**Tools shown in cabinet may vary.**

#### 24 Students Overall size 48"W x 22"D x 84"H.

Stk.	Mfr.	Item	Price
155134	DTC-24	Cabinet Only	\$1,983.00
196191	MS-24S	Supplies Only	\$2,198.00
558439	MWDCI	Cabinet Plus Supplies	\$3,925.00

#### 36 Students Overall size 60"W x 22"D x 84"H.

Stk.	Mfr.	Item	Price
155195	DTC-36	Cabinet Only	\$2,185.00
196192	MS-36S	Supplies Only	\$3,278.00
558441	MWDC2	Cabinet Plus Supplies	\$5,295.00

#### Complete Set of Tools for MS-24S

<b>Alvin</b>	36	Eraser, Rub Gum	24	Tape, Drafting, 3/4"	
36	Compass/Divider, Pencil, 6"	24	Erasing Shield, Steel	24	Triangle, 30/60, 10"
24	Curve, Irregular, 8"	12	Pencil, Drawing, 2H, 12/pkg.	24	Triangle, 45/90, 8"
24	Drawing Board, 18" x 24"	12	Pencil, Drawing, 4H, 12/pkg.	24	T-Square, Transparent, 24"
2	Drawing Paper, Buff, Ream, 12" x 18"	24	Pointer, Lead		
		24	Protractor, Solid, 6"		
2	Drawing Paper, Green, Ream, 12" x 18"	24	Scale, Triangular Architect, 12"		
		24	Sketching/Drawing Book		

#### Complete Set of Tools for MS-36S

<b>Alvin</b>	60	Eraser, Rub Gum	36	Tape, Drafting, 3/4"	
36	Compass/Divider, Pencil, 6"	36	Erasing Shield, Steel	36	Triangle, 30/60, 10"
36	Curve, Irregular, 8"	18	Pencil, Drawing, 2H, 12/pkg.	36	Triangle, 45/90, 8"
36	Drawing Board, 18" x 24"	18	Pencil, Drawing, 4H, 12/pkg.	36	T-Square, Transparent, 24"
3	Drawing Paper, Buff, Ream, 12" x 18"	36	Pointer, Lead		
		36	Protractor, Solid, 6"		
3	Drawing Paper, Green, Ream, 12" x 18"	36	Scale, Triangular Architect, 12"		
		36	Sketching/Drawing Book		



### Drawing Supply Cabinets

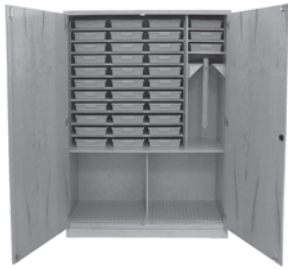
**Hann** Provides a complete facility for storing drafting materials for students. Specially designed hooks and holders mounted in the cabinet provide both adequate storage and visual check by the instructor. Drawing boards are stored vertically in slots along the bottom row. Master-keyed locks included. Constructed of hard maple face framing. All members are glued and stapled to one another forming a strong, interconnected cabinet. Natural finish. Shipped set up.

**Cabinet does not include supplies. Cabinet should be secured to the wall for safety. Mounting hardware not included.**

Stk.	Mfr.	Item	Overall Size	Price
439290	DC-1	24-Students	48"W x 22"D x 84"H	\$1,824.00
439291	DC-2	36-Students	60"W x 22"D x 84"H	\$2,016.00

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### Drawing/Drafting Storage Cabinets

**Hann** Provides storage for drawing boards and T-squares. Upper area includes plastic tote trays w/label holder. Constructed of hard maple face framing with hardwood paneling. All members are glued and stapled to one another forming a strong, inter-connected cabinet. Master keyed locks included. Natural finish. Shipped set up.

**Drawing boards & T-squares, sold separately. Cabinet should be secured to the wall for safety. Mounting hardware not included.**

Storage for 24 T-squares & 24 drawing boards. Size 48"W x 22"D x 84"H.

Stk.	Mfr.	Trays	Tray Size	Price
<b>439292</b>	DC-5	24	13-1/4"W x 19"D x 3-1/2"H	<b>\$1,840.00</b>

Storage for 36 T-squares & 36 drawing boards. Size 60"W x 22"D x 84"H.

Stk.	Mfr.	Trays	Tray Size	Price
<b>439293</b>	DC-5-36	36	13-1/4"W x 19"D x 3-1/2"H	<b>\$2,080.00</b>



### Paper/Drawing Board Storage

**Shain** Maple plywood cabinet offers ample horizontal storage space for 25 (20" x 26") drafting boards and paper. Max. weight per slot is 2.5 lbs. Fiberboard dividers. 3-point locking doors. Earth-friendly UV finish.

**Cabinet should be secured to the wall for safety. Mounting hardware not included.**

Stk.	Mfr.	Size	Price
<b>155531</b>	DBC-1	32"W x 22"D x 84"H	<b>\$1,135.00</b>

### Paper Storage Cabinet



**Shain** Blueprint and paper maple plywood cabinet with 7 pull-out shelves (inside dimensions 41"W x 24"D x 3"H ea.) and easy-to-handle finger slots. Laminate top (50"W x 30"D x 1-1/4"H). Earth-friendly, UV finish. Light assembly required.

Stk.	Mfr.	Overall Size	Price
<b>155530</b>	DPSC-50	50"W x 30"D x 36"H	<b>\$1,624.00</b>

### Flat File Systems



**Shain** Protect and store your art work, drawings or biological collections. Flat files hold papers up to 24" x 36". Inside of drawers measure 37"W x 24-3/4"D x 1-1/2"H and feature full extension glides, dovetailed drawers, ADA compliant pulls and label holders. Up to 3 units can be stacked providing ample storage. All 3 pieces are interlocking to each other or can be independent of each other. Start with the 4" toe kick which is covered with rubber base molding. Next stack the flat files (5 drawers ea.) and for a finished look add the veneered top.

Up to 3 units can be stacked providing ample storage. All 3 pieces are interlocking to each other or can be independent of each other. Start with the 4" toe kick which is covered with rubber base molding. Next stack the flat files (5 drawers ea.) and for a finished look add the veneered top.

#### 5-Drawer Flat File

Stk.	Mfr.	Description	Size WxDxH	Price
<b>155092</b>	FFS-3624K	Oak	40-1/2" x 27" x 17"	<b>\$884.00</b>
<b>155093</b>	FFS-3624M	Maple	40-1/2" x 27" x 17"	<b>\$906.00</b>

#### Veneered Top

<b>155096</b>	FFST-3624K	Oak	40-1/2" x 27" x 3/4"T	<b>\$118.00</b>
<b>155097</b>	FFST-3624M	Maple	40-1/2" x 27" x 3/4"T	<b>\$143.00</b>

#### Base

<b>155089</b>	FFSB-3624	Base	40-1/2" x 27" x 4"	<b>\$298.00</b>
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### 5 Drawer Plan File

**Mayline** Five-drawer steel plan files support up to 200 sheets per drawer. Fully-enclosed top and bottom on each file. Rear hood and front hinged flap keep drawings in place. Units can be bolted together if desired. Drawer pulls are chrome.

**Please specify color: gray, black, sand beige or white. Gray will be shipped if not specified.**

#### Drawer size 2"H x 37"W x 26"D.

Stk.	Mfr.	Item	Price
<b>146988</b>	7867-C	Size 46-3/4"W x 28-3/8"D x 15-3/8"H	<b>\$1,378.00</b>
<b>146990</b>	7867-W	4" Flush Base	<b>\$300.00</b>

#### Drawer size 2"H x 43"W x 32-3/4"D.

Stk.	Mfr.	Item	Price
<b>146992</b>	7868-C	Size 46-3/4"W x 35-3/8"D x 15-3/8"H	<b>\$1,601.00</b>
<b>146993</b>	7868-W	4" Flush Base	<b>\$333.00</b>

#### Base Legs

Stk.	Mfr.	Item	Price
<b>146978</b>	7890-X	Fits both cabinets. 4 legs.	<b>\$289.00</b>



### B-Size Plan Mobile File

**Mayline** 8-drawer file cabinet stores up to 2,500 sheets. All-steel construction with 4 casters (2 locking, 2 non-locking) & gang lock. Sand beige.

Stk.	Mfr.	Overall Size	Price
<b>146002</b>	9P810	15-1/4"W x 27-3/4"D x 27-1/8"H	<b>\$910.00</b>

### CAD Drafting Tables



**Shain** Solid maple framing and legs with steel corner brace construction. Earth-friendly, UV finish. Features CPU holder, keyboard tray, mouse tray and cable manager. 2-piece laminate top with

soft close adjustable top w/pencil stop (30"W x 30"D x 3/4"T) on left side and fixed top (12"W x 30"D) on the right side. Light assembly required.

Overall size 42"W x 30"D x 39-3/4"H.

**Shown w/monitor arm, sold separately. Computer equipment, not included.**

#### Quantity Savings!

**Table only** Ships in 5 business days! Quantity restrictions apply.

Stk.	Mfr.	Price	2 or more
<b>155035</b>	CDTC-70	<b>\$1,319.00</b>	<b>\$1,188.00</b>

**Table w/Drawers** 6 locking drawers with dovetail construction, solid maple fronts and pulls (ea. 7-1/2"W x 2-3/4"H x 16"D)

<b>155036</b>	CDTC-71	<b>\$1,930.00</b>	<b>\$1,737.00</b>
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**Table w/Board Storage** Board storage w/lock & 6 spaces (1-1/4"W x 25-1/4"H x 24-3/8"D ea.)

<b>155037</b>	CDTC-72	<b>\$1,631.00</b>	<b>\$1,468.00</b>
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### CAD Drafting & Drawing Table

**Hann** Solid maple framing, aprons, legs and spreaders. Full-face frame construction is mortised and tenoned, glued and stapled. Natural

finish. CPU holder, monitor arm, keyboard tray and cable manager. Shipped set-up.

- Tilting laminate top (30"W x 30"D x 3/4"T) w/ratcheting mechanism & pencil stop
- Fixed laminate top (12"W x 30"D)
- Hand built

Overall size 42"W x 30"D x 39"H.

**Shown w/computer equipment, not included.**

**Quantity Savings!**

**Table Only**

Stk.	Mfr.	Qty.	Price	2 or more
<b>439212</b>	CDWD-66	1	<b>\$920.00</b>	<b>\$829.00</b>

**Table w/CPU Cabinet & Drawer** CPU cabinet with 1 dovetailed master-keyed locking drawer (6-1/4"W x 19-1/2"D x 2-3/4"H). 2-1/2" grommet & cover on fixed reference top.

<b>439211</b>	CDWD-65	1	<b>\$1,208.00</b>	<b>\$1,087.00</b>
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**Table w/6 Drawers** 6 dovetailed master-keyed locking drawers (6-1/4"W x 19-1/2"D x 2-3/4"H ea.)

<b>439210</b>	CDWD-61	1	<b>\$1,320.00</b>	<b>\$1,188.00</b>
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### Drafting/Computer Table

**SMI** CPU storage area provides air circulation and cable management. Table offers an adjustable monitor stand and keyboard tray with ball-bearing glides.

- High-quality solid oak table w/oak veneers & multiple coats of clear lacquer

- Rugged thru-bolt construction
- Fixed table (30"D x 12"W)
- Tilting table (30"D x 30"W) w/oak pencil rail
- Thermally-fused white melamine top
- Drawer w/polished chrome pull glides on natural wood rails

Overall size 42"W x 30"D x 39-3/4"H.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	2 or more
<b>832030</b>	F3042-CT1	1	<b>\$1,159.00</b>	<b>\$1,045.00</b>



### CAD/Drawing Table

**Hann** Ideal table for the student who needs computer accessibility as well as ample work-space. A locking cabinet for the computer tower provides security against computer theft or damage. Designed so that the monitor can be positioned at the perfect eye-level. Shipped set up.

- Double-bolt lower leg spreader & additional upper leg spreader provide superior rigidity
- Solid maple base w/bolt-reinforced mortise & tenon joints
- Hand built 1 at a time
- Fibersin work surface
- Natural finish
- Wide feet w/adjustable floor glides

Overall size 42"W x 40-1/2"D x 33"H.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	2 or more
<b>439190</b>	CAD-3042T-KB	1	<b>\$1,432.00</b>	<b>\$1,289.00</b>



### CAD Drafting Table for Vertical CPU

**Shain** Solid maple table with maple veneer cabinet. Earth-friendly, UV finish. Great for drafting, graphic art and design, or CAD.

- Adjustable laminate top (42"W x 30"D x 3/4"T) w/pencil strip for drafting machine or parallel rule use

- Rear shelf frees desktop & provides platform for monitor arm
- Vertical CPU cabinet w/locking doors front & rear (inside dimensions 9-1/2"W x 22-1/4"D x 19-1/4"H)
- Sturdy maple legs w/heavy-duty glides
- Open front for keyboard & mouse tray

Overall size 42"W x 40"D x 30"H.

**Ships in 5 business days! Quantity restrictions apply.**

**Quantity Savings!**

**Desk Only**

Stk.	Mfr.	Qty.	Price	2 or more
<b>155034</b>	CDTC-IVT	1	<b>\$1,118.00</b>	<b>\$999.00</b>

**Desk w/Keyboard & Mouse Tray**

<b>155018</b>	CDTC-IVT-UDK	1	<b>\$1,293.00</b>	
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### Angle-CAD Drafting Bench

**Montisa Learning** Gray drafting bench progresses along with students. They'll learn drafting basics, then switch to computer-aided design (CAD) without moving to other workstations. Steel construction with durable versatility for classroom use. Assembly required.

- Laminated top (60"W x 30"D x 1.25"T) w/grommets to CPU cabinet
- Drafting board (36"W x 30"D x 7° angle) w/stain-resistant/self-sealing mat, plus edge clearance for drafting machine & parallel edge
- Wire management trough for mounting in rear (40"W x 3"D x 3.5"H)
- CPU cabinet (15"W x 29"D x 32.25"H) w/locking door & adj. shelf
- Pencil drawer (14.75"W x 26.5"D x 3"T), modesty panel
- Slide-out keyboard tray (34.5"H)
- Power strip/surge suppressor

**Quantity Savings!**

Stk.	Mfr.	Overall Size	Price	2 or more
<b>206010</b>	CD5-D	60"W x 30"D x 34"H	<b>\$1,151.00</b>	<b>\$1,035.00</b>



### CAD Desk/Graphic Arts Table

**Smith System** Split top table tilts 0-45° for R/L-hand CAD use, or tilt both for graphic artists. 14 ga. steel front and back channels (2" x 3") with welded construction. Steel bar holds the adjustable, slanted work surface. Light assembly required.

- Adjustable legs (29"-39"H) & floor glides

- Laminate split-top table holds computer monitor or laptop
- Upper legs are 1" square steel tubing welded to leg brace

**Shown w/CPU holder, stool & monitor arm, sold separately. Computer equipment, not included.**

Stk.	Mfr.	Overall Size	Price
<b>159089</b>	27344	48"W x 24"D x 29-39"H	<b>\$616.00</b>

**CPU Holder w/Locks** CPU holder with locks for Smith System tables Mfr.'s 27344, 27345 & 27347. Can be installed on right or left side of desk.

Stk.	Mfr.	Overall Size	Price
<b>156960</b>	17213	7"W x 13"D x 16"H	<b>\$119.00</b>



**Height Adjustable Split-level Drafting Table**

**Safco** Drafting/computer table with workspace and shelving (47-1/4"W x 10"D). Split table lowers for working surface or tilts 50°. Table height adjusts for standing table use. Durable steel frame with medium oak wood grain melamine top. No tools required.

Overall size 47-1/4"W x 29-3/4"D x 26"-37-1/4"H.

Tilting surface 31-1/2"W x 19-3/4"D. Fixed surface 15-3/4"W x 19-3/4"D.

**Laptop & desk items, not included.**

Stk.	Mfr.	Price
<b>770861</b>	3965MO	<b>\$476.00</b>



**Flat Panel Monitor Extension Arm**

**Hafele** Full movement arm extends a full 13-7/8". Mounting is through a standard 2-3/8" grommet hole cut in desktop (1-1/2" max. desktop thickness). Mounting post provides secure mount for heavier screens. Silver colored, die-cast aluminum arm & post w/stainless steel pins. For flat screen monitors up to 24" (11 to 16.5 lbs.).

Stk.	Mfr.	Price
<b>544841</b>	MEA-FP-HD	<b>\$261.00</b>



**2 Station Drawing Table w/Drawers**

**Shain** Solid maple apron and legs. Plywood cabinet with maple veneer. Steel corner braces attach legs. Earth-friendly, UV finish. Light assembly required.

- Fully adjustable laminate tops (24"W x 24"D ea.) w/pencil stops & soft-close feature

- Reference area (12"W x 24"D)
- 6 dovetailed locking drawers (10-1/2"W x 19-3/4"D x 3-1/4"H ea.) w/solid maple fronts & metal drawer pulls
- Book compartment (11"W x 22"D x 5"H)
- Maple foot rests

Stk.	Mfr.	Overall Size	Price
<b>155009</b>	DTA-21A	60"W x 24"D x 36"H	<b>\$1,478.00</b>



**2-Station Drawing Tables**

**Hann** 2-Station tilt-top drawing tables constructed of maple solids and panels, with mortise and tenon construction for rugged durability. Natural finish. Shipped set-up.

- Tilting Fibersin tops (28" x 32-1/2"D ea.) w/adjustable pencil stops

- Dovetailed master-keyed locking drawers (18-3/8"W x 26-1/4"L) accept an 18" x 24" board
- Knee space (19-3/8"W)
- Stationary center top (14"W)
- Ratchet-type tilting mechanism

**6 Drawers 3-1/2"H each drawer.**

Stk.	Mfr.	Overall Size	Price
<b>439520</b>	WD-80	70"W x 32-1/2"D x 39-3/4"H	<b>\$1,611.00</b>

**8 Drawers 2-5/8"H each drawer.**

Stk.	Mfr.	Overall Size	Price
<b>439521</b>	WD-82	70"W x 32-1/2"D x 39-3/4"H	<b>\$1,710.00</b>



**Adjustable Top Drawing Tables**

**Hann** Features a 3/4" thick Fibersin top that provides a rock hard, flat, smooth surface. Table is constructed of

solid maple and hardwood panels. Table includes pencil ledge and ratchet type tilting mechanism. Shipped set up.

- Solid maple base w/bolt-reinforced mortise & tenon joints
- Double-bolt lower leg spreader & additional upper leg spreader provide superior rigidity
- Hand built 1 at a time
- Natural finish

Overall size 42"W x 30"D x 39"H.

**Full-top Table**

Stk.	Mfr.	Price
<b>439510</b>	WD-30	<b>\$567.00</b>

**Full-top Table w/6 Drawers 6 dovetailed master-keyed locking drawers (6-1/4"W x 17-1/2"D x 2-3/4"H).**

Stk.	Mfr.	Price
<b>439511</b>	WD-31	<b>\$1,020.00</b>

**Split-top Table 30"W x 30"D adjustable top, 12"W x 30"D fixed top.**

Stk.	Mfr.	Price
<b>439514</b>	WD-60	<b>\$580.00</b>

**Split-top Table w/6 Drawers 30"W x 30"D adjustable top, 12"W x 30"D fixed top. 6 dovetailed master-keyed locking drawers (6-1/4"W x 17-1/2"D x 2-3/4"H).**

Stk.	Mfr.	Price
<b>439515</b>	WD-61	<b>\$936.00</b>



**Tilt-top Drawing Tables**

**Hann** Tilt-top drawing table constructed of hard maple framing with mortise and tenon construction to withstand demanding classroom use. Hand built 1 at a time. Shipped set-up.

- 3/4"T Fibersin top w/adjustable pencil stop
- Ratchet-type tilting mechanism

- Dovetailed drawer
- Natural finish

**Full-Top Table Drawer 19"W x 17"D x 2-3/4"H.**

Stk.	Mfr.	Overall Size	Price
<b>439500</b>	WD-1	36"W x 24"D x 37"H	<b>\$549.00</b>

**Split-Top Table 24"W x 24"D adjustable top, 12"W x 24"D fixed. Drawer 7-5/8"W x 16-3/4"D x 2-3/4"H.**

<b>439501</b>	WD-2	36"W x 24"D x 30"H	<b>\$522.00</b>
<b>439502</b>	WD-3	36"W x 24"D x 37"H	<b>\$540.00</b>



**Drafting Tables**

**SMI** Cost-effective tables constructed of fine-quality solid oak with multiple coats of clear lacquer finish. Durable thru-bolt construction. Adjusting mechanism provides infinite drawing surface angles. Thermally-fused melamine tops with oak pencil rail. Locking drawer.

**30"H 50° angle.**

Stk.	Mfr.	Overall Size	Tilting Surface	Price
<b>832050</b>	F2436-30STA	36"W x 24"D	24"W x 24"D	<b>\$461.00</b>
<b>832052</b>	F3042-30STA	42"W x 30"D	30"W x 30"D	<b>\$486.00</b>

**36-3/4"H 75° angle.**

<b>832051</b>	F2436-37STA	36"W x 24"D	24"W x 24"D	<b>\$499.00</b>
<b>832053</b>	F3042-37STA	42"W x 30"D	30"W x 30"D	<b>\$542.00</b>
<b>832054</b>	F3648-37STA	48"W x 36"D	36"W x 36"D	<b>\$749.00</b>
<b>832055</b>	F3660-37STA	60"W x 36"D	48"W x 36"D	<b>\$814.00</b>





### 4-Station Drawing Table

**Hann** 4-station drawing table has four 30"W x 24"D tilting Fiberesin drawing surfaces and a fixed center top. Base is constructed of solid hard maple to withstand demanding classroom use. Aprons are mortised into the legs providing strength and stability. Natural finish.

Overall size 48"W x 18"D x 29"H.

Stk.	Mfr.	Item	Price
<b>439512</b>	WD-4876	Table	<b>\$936.00</b>
<b>439513</b>	WD-4876-4D	Table w/4 Drawers	<b>\$1,112.00</b>



### Workmaster Jr. Drafting Table

**Alvin** Durable 4-post drafting table built for hard long-term use. Black base is constructed of 1" x 1" heavy-gauge steel tubing. Work surface angle with easy front or rear adjustments. For drafting, mechanical and architecture drawing or as a reference table. Assembly required.

- Warp-free white Melamine® board
- 12" x 32" storage shelf
- Angle adjusts from 0° to 35°
- Height adjusts from 29" to 44"

Stk.	Mfr.	Overall Size	Price
<b>196050</b>	WMJ48-3-XB	48"W x 36"D x 29"-44"	<b>\$350.00</b>



### Adaptable-Height Split-Top Drawing Tables

**Shain** Table's height quickly adjusts in 2 cm increments. 2-piece laminate top is great for drawing and tabletop use. Soft close tops. Powder-coated legs with glides. Pencil stops on adjustable top side. Spacer included for an extra 3" of table height. Light assembly required. ADA Compliant.

Overall size 30"W x 60"L x 27-3/4"H to 39"H.

#### 1 Adjustable, 1 Fixed Top (18"W x 30"D)

Stk.	Mfr.	Tilting Surface	Price
<b>155020</b>	ALTD1-6030	42"W x 30"D	<b>\$953.00</b>

#### 2 Adjustable Tops

<b>155021</b>	ALTD2-6030	30"W x 30"D ea.	<b>\$1,028.00</b>
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**2 Adjustable Tops w/Fixed Back Includes** 12"D fixed flat surface across the back to accommodate a flat panel monitor.

<b>155022</b>	ALTD3-6030	30"W x 24"D ea.	<b>\$1,055.00</b>
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### Lift Top Drafting Tables

**Fleetwood** Table incorporates lift-top drafting surface, slide-out keyboard holder and enclosed wire management. Welded 16-ga. 1" x 1-1/2" rectangular steel tubing. Set screw-style mechanism adjusts the legs in 2" increments. Legs with plastic-base adjustable levelers for uneven

floors. Baked enamel paint finish on frame and legs.

- Lift top of 3/4" T fiberesin & fixed top of 1" T fiberesin, both edge banded w/3mm thick PVC
- Dual ratcheting mechanisms all top adjustments from 0°-45°
- 5" sq. wire management w/18-gauge piano hinge runs entire width of table & is located at rear underside of table

Overall size 60"W x 30"D x 25-1/2" to 39-1/2"H.

Stk.	Mfr.	Item	Price
<b>407485</b>	44.6350.686.000	Right Lift Top	<b>\$1,302.00</b>
<b>407486</b>	44.6360.686.000	Left Lift Top	<b>\$1,302.00</b>



### Adjustable Drafting Tables

**Smith System** Heavy-duty welded steel frame with telescoping legs (with 1" adjustments) made of 1-1/4", 14 ga. sq. tubing.

- Adjustable-height tables can be positioned from 29" to 39"H & adjust from 0° to 45°
- Laminate top 7/8" thick w/pencil stop

**Please specify color: Maple top w/champagne frame or gray top w/ black frame. Maple top w/champagne frame will be shipped if not specified.**

Stk.	Mfr.	Overall Size	Price
<b>159091</b>	27345	36"W x 24"D x 29"-39"H	<b>\$413.00</b>
<b>159093</b>	27347	42"W x 31"D x 29"-39"H	<b>\$544.00</b>

**CPU Holder w/Locks** CPU holder with locks for Smith System tables Mfr.'s 27344, 27345 & 27347. Can be installed on right or left side of desk.

Stk.	Mfr.	Overall Size	Price
<b>156960</b>	17213	7"W x 13"D x 16"H	<b>\$119.00</b>

## ARTS & CRAFTS



### Art Horse

**Hann** Designed for student comfort Upright and grooved seat will accommodate boards up to 24" x 30". Drawing board rest is 12"W x 33"H.

Stk.	Mfr.	Overall Size	Price
<b>439260</b>	B-1	12"W x 29"D x 17"H	<b>\$270.00</b>



### Portable Clay Cart

**Hann** Mobile maple plywood cart complete with locking casters. Anti-slam lid-stay device. Clay area has a removable plastic liner with cover. Natural finish. Hand built 1 at a time. Shipped set-up.

Stk.	Mfr.	Overall Size	Price
<b>439200</b>	CC-7	15"W x 18-1/2"D x 28-1/2"H	<b>\$360.00</b>



### Ceramic Workstation

**Hann** Ceramic workstation features 3 drawer cabinet, single door storage area and portable clay cart. Natural finish.

- Maple grain design plastic laminate top (72"W x 30"D x 1-1/4" T) provides a smooth, flat work surface
- Base cabinets feature heavy-duty face frames with mortise & tenon construction
- Moveable birch plywood cart (15"W x 18-1/2"D x 28-1/2"H) complete with locking casters
- Anti-slam lid-stay device
- Clay area has a removable plastic liner w/cover

Stk.	Mfr.	Overall Size	Price
<b>439199</b>	CC-2A	72"W x 30"D x 31"H	<b>\$1,432.00</b>

Installation Available  
**for Equipment & Furniture.**  
 Pricing Upon Request • 800-831-5904

## SCIENCE FURNITURE



### 2-Student Science Tables

**Shain** Solid maple table in various sizes and top styles. Earth-friendly, UV finish. Light assembly.

- Base constructed w/steel corner brace construction
- 2-1/4" sq. legs w/non-skid adjustable boots

**Ships in 5 business days! Quantity restrictions apply.**

### Epoxy Resin Top Chemical & heat resistant.

Stk.	Mfr.	Overall Size	Price
<b>155680</b>	P7106M30N	48"W x 24"D x 30"H	<b>\$599.00</b>
<b>155684</b>	P7206M30N	54"W x 24"D x 30"H	<b>\$649.00</b>
<b>155688</b>	P7606M30N	60"W x 24"D x 30"H	<b>\$714.00</b>

### ChemGuard Top Chemical & acid resistant.

Stk.	Mfr.	Overall Size	Price
<b>155681</b>	P7102M30N	48"W x 24"D x 30"H	<b>\$410.00</b>
<b>155685</b>	P7202M30N	54"W x 24"D x 30"H	<b>\$442.00</b>
<b>155689</b>	P7602M30N	60"W x 24"D x 30"H	<b>\$466.00</b>

### Laminate Top Durable & easy-to-clean.

Stk.	Mfr.	Overall Size	Price
<b>155682</b>	P7101M30N	48"W x 24"D x 30"H	<b>\$372.00</b>
<b>155686</b>	P7201M30N	54"W x 24"D x 30"H	<b>\$404.00</b>
<b>155690</b>	P7601M30N	60"W x 24"D x 30"H	<b>\$422.00</b>

### Adjustable Height 2-Student Science Tables



**Diversified** Solve your ADA requirements with this table that adjusts in 3/4" increments (27"H to 39"H). Raises or lowers quickly and easily. For an incline, simply adjust 1 end. No tools required.

- Solid oak apron (4-1/2"H) w/chemical-resistant, earth-friendly UV finish
- 2-1/4" powder-coated legs w/adjustable feet or casters (sold separately)

Overall height 27"-39"H.

### Phenolic Top Chemical resistant.

Stk.	Mfr.	Overall Size	Price
<b>155102</b>	P8104K	48"W x 24"D	<b>\$865.00</b>
<b>155105</b>	P8204K	54"W x 24"D	<b>\$911.00</b>
<b>155108</b>	P8604K	60"W x 24"D	<b>\$940.00</b>
<b>155114</b>	P8144K	60"W x 30"D	<b>\$1,073.00</b>
<b>155111</b>	P8304K	72"W x 24"D	<b>\$1,039.00</b>

### ChemGuard Top Chemical & acid resistant. Ships in 5 business days! Quantity restrictions apply.

Stk.	Mfr.	Overall Size	Price
<b>155101</b>	P8102K	48"W x 24"D	<b>\$701.00</b>
<b>155104</b>	P8202K	54"W x 24"D	<b>\$741.00</b>
<b>155107</b>	P8602K	60"W x 24"D	<b>\$753.00</b>
<b>155113</b>	P8142K	60"W x 30"D	<b>\$809.00</b>
<b>155110</b>	P8302K	72"W x 24"D	<b>\$808.00</b>

### Laminate Top Durable & easy to clean. Ships in 5 business days! Quantity restrictions apply.

Stk.	Mfr.	Overall Size	Price
<b>155100</b>	P8101K	48"W x 24"D	<b>\$666.00</b>
<b>155103</b>	P8201K	54"W x 24"D	<b>\$699.00</b>
<b>155106</b>	P8601K	60"W x 24"D	<b>\$711.00</b>
<b>155112</b>	P8141K	60"W x 30"D	<b>\$760.00</b>
<b>155109</b>	P8301K	72"W x 24"D	<b>\$752.00</b>

### Quick-Release Swivel Casters 4/set.

Stk.	Mfr.	Overall Size	Price
<b>155115</b>	100709X4		<b>\$43.50</b>



### Science Tables

**Hann** Table provides work space for two or more students. Legs and apron constructed of solid hard maple. Apron measures 13/16" x 5". Legs are 2-1/4" square and include black vinyl boots. Finish consists of multiple coats of natural chemically resistant catalyzed varnish.

Maple top is manufactured of the finest grade northern grown maple. The lumber is seasoned and then kiln dried to a moisture content of six to eight percent. Strips of lumber are then electronically laminated with a special tight bonding glue to create a smooth surface. Some assembly required.

Stk.	Mfr.	Overall Size	Price
<b>439390</b>	STPM-2460M	60"W x 24"D x 30"H	<b>\$615.00</b>
<b>439391</b>	STPM-4848M	48"W x 48"D x 30"H	<b>\$990.00</b>
<b>439392</b>	STPM-4260M	60"W x 42"D x 30"H	<b>\$837.00</b>



### Mobile Microscope Cabinet

**Fleetwood** High quality, rugged double sided cabinet with 30 storage compartments and 2 locking and 2 non-locking casters. Provides extra cabinet space that may be moved from classroom to classroom. Light oak laminate with black frame and edge. Shipped set up.

- Welded steel u-frame end assembly, steel supports for top & bottom
- 3/4" laminate panels
- 5" casters
- Mfr.'s full lifetime warranty

Stk.	Mfr.	Overall Size	Price
<b>407450</b>	15.7730.318.000	50-1/2"W x 66"H x 28"D	<b>\$2,202.00</b>

## TABLES



### Stainless Steel Table

**Shain** 18 ga. stainless steel top has 2 sound deadened integrally welded 5" C-channels to reinforce and maintain level working surface. Galvanized legs are 1-5/8" dia. and have adjustable high impact corrosion resistant feet. Under-shelf is adjustable and has two pins per corner providing extra strength and stability. National Safety Foundation Certified.

Under-shelf is adjustable and has two pins per corner providing extra strength and stability. National Safety Foundation Certified.

Stk.	Mfr.	Overall Size	Price
<b>155084</b>	XS3630	36"W x 30"D x 35"H	<b>\$370.00</b>
<b>155086</b>	XS6030	48"W x 30"D x 35"H	<b>\$477.00</b>
<b>155085</b>	XS4830	60"W x 30"D x 35"H	<b>\$417.00</b>
<b>155087</b>	XS7230	72"W x 30"D x 35"H	<b>\$523.00</b>

### Heavy-duty Art/Planning Tables



**Shain** Solid maple base with 2 tapered pedestal panel legs and 2 truss bars. Earth-friendly UV finish. Light assembly required.

Overall size 42"W x 60"D x 30"H.

**Ships in 5 business days! Quantity restrictions apply.**

### I-3/4" Maple Top

Stk.	Mfr.	Price
<b>155610</b>	PT-62M	<b>\$1,033.00</b>

### I-1/4" Laminate Top Almond color top w/3 mm PVC edging.

Stk.	Mfr.	Price
<b>155611</b>	PT-62P	<b>\$683.00</b>



**Art Table Series**

**Hann** Sturdy multi-purpose art table has a solid maple base with bolt-reinforced mortise and tenon joints. Hand built 1 at a time. Shipped set up.

- Wide feet w/adjustable floor glides
- Double-bolt lower leg spreader & additional upper leg spreader provide superior rigidity
- Natural finish

Overall size 42"D x 29-3/4"H.

**Quantity Savings!**

**1-1/4" T Maple Grain Laminate Top**

Stk.	Mfr.	Item	Qty.	Price	2 or more
<b>439250</b>	A2-4260PL3	60"W	1	<b>\$567.00</b>	<b>\$510.00</b>
<b>439253</b>	A2-4272PL3	72"W	1	<b>\$666.00</b>	<b>\$599.00</b>

**1-3/4" T Maple Top**

<b>439251</b>	A2-4260M	60"W	1	<b>\$873.00</b>	<b>\$785.00</b>
<b>439252</b>	A2-4272M	72"W	1	<b>\$1,062.00</b>	<b>\$955.00</b>



**4-Student Tables**

**Shain** Sturdy work center with 2-1/4" solid maple legs and apron with steel corner plates. Adjustable floor guides. Earth-friendly UV finish. Light assembly required.

**1-3/4" Maple Top**

Stk.	Mfr.	Overall Size	Price
<b>155080</b>	WX4-M26	48"W x 48"D x 26"H	<b>\$1,085.00</b>
<b>155082</b>	WX4-M	48"W x 48"D x 30"H	<b>\$1,079.00</b>

**1-1/4" Laminate Top Almond colored top.**

Stk.	Mfr.	Overall Size	Price
<b>155081</b>	WX4-P26	48"W x 48"D x 26"H	<b>\$541.00</b>
<b>155083</b>	WX4-P	48"W x 48"D x 30"H	<b>\$525.00</b>

155082 & 155083|Ships in 5 business days! Quantity restrictions apply.

**4-Student Work Table**



**Hann** Sturdy multi-purpose table has a solid maple base with bolt-reinforced mortise and tenon joints. Shipped set up.

- Wide legs w/adjustable floor glides
- Intersecting lower cross bracing allows for leg room on all 4 sides
- Natural finish
- Hand built

Overall size 48"W x 48"D x 30"H

Stk.	Mfr.	Item	Price
<b>439400</b>	STX-4848MP	1-3/4" T maple top	<b>\$1,071.00</b>

**Planning Tables**



**Hann** Ideal for general use as well as planning and designing. The all-wood table is constructed of the finest hard maple with natural finish. Includes adjustable floor glides. Furnished with 2 large drawers 20"W x 20"D x 2-3/8"H. Shipped set-up.

Overall size is 72"W x 30"D x 30"H.

Stk.	Mfr.	Item	Price
<b>439327</b>	PL-2	1-1/4" Laminate Top	<b>\$694.00</b>
<b>439328</b>	PL-2HM	1-3/4" Maple Top	<b>\$900.00</b>



**4-Student Craft Tables**

**Fleetwood** Table provides the large work surface needed to perform many skills associated with home economics or art, while incorporating a crank mechanism for raising or lowering the work surface.

- 14-ga. steel base w/2" x 1" rectangular tubing & baked enamel finish
- 4 adjustable glides compensate for uneven floors
- Anodized extruded aluminum legs
- 500 lb. capacity
- Crank folds away when not in use
- 2 wheelchairs on either side
- Mfr.'s full lifetime warranty

Overall size 60"W x 42"D x 26"-37"H.

Stk.	Mfr.	Item	Price
<b>407460</b>	25.5000.686.000	1" Laminate Top	<b>\$1,807.00</b>
<b>407461</b>	25.5503.600.000	1-3/4" Maple Top	<b>\$2,575.00</b>



**Adaptable Table**

**Shain** Perfect for the classroom since height adapts to accommodate any student. Raise or lower the table in 2 cm increments. For an incline, simply adjust one end. Powder-coated legs with adjustable glides. Gray laminate top. ADA Compliant. Assembly required.

Overall size 30"W x 60"L x 27" - 39"H.

**Ships in 5 business days! Quantity restriction apply.**

Stk.	Mfr.	Item	Price
<b>155025</b>	ALT-6030GG	1-1/4" Laminate Top	<b>\$757.00</b>



**Flip-N-Go Tables**

**Mayline** It doesn't take much to put Flip-N-Go to work. Just roll the tables where you want them and lock the 3" casters. When it comes time to store them, just flip a lever and the top will tilt and lock to allow straight-line nesting. Nebula graphite laminate w/black base.

Minimal assembly required.

- Dual-sided levers for a quick-flip of top
- Can be connected together (*gang accessory, sold separately*)
- 5-1/4" between tables when nested
- Integrated modesty panel w/built-in cable trough
- 1-1/4" T high pressure laminate surface w/solid core 45# density particle board & 3 mm thick PVC T-mold edge
- Table legs & modesty panel are 18 ga. steel

Stk.	Mfr.	Overall Size	Price
<b>146010</b>	LF1848HT	48"W x 18"D x 29"H	<b>\$422.00</b>
<b>146011</b>	LF1860HT	60"W x 18"D x 29"H	<b>\$468.00</b>
<b>146012</b>	LF1872HT	72"W x 18"D x 29"H	<b>\$495.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



### Adjustable Height Riser Tables

**Shain** Table adjusts in 2 cm increments from 27"H to 39"H in less than 30 seconds. Add 3" spacer for even more height. The 4-1/2"H solid maple frame with exposed metal corner braces compliment the powder-coated adjustable legs with adjustable glides.

Wood is finished with a chemical resistant, earth-friendly UV finish. Riser is 12" deep and has a 10"H clearance above the work surface (*supported by 1" diameter powder coated steel tubes*). It is made of the same material as the top. Black top.

Overall size 60"W x 30"D x 27"-39"H.

Stk.	Mfr.	Item	Price
<b>155675</b>	PR8141M	1-1/4"T Plastic Laminate Top	<b>\$959.00</b>
<b>155676</b>	PR8142M	1-1/4"T Chemical Resistant Top	<b>\$1,205.00</b>
<b>155677</b>	PR8144M	1-1/4"T Phenolic Top	<b>\$1,867.00</b>



### Lobo Adjustable & Fixed Leg Tables

**Wisconsin Bench** Tough, durable activity table tops are high-pressure, laminate bonded to 1-1/4"T MDF (*medium density fiberboard*) with phenolic backing and Lotz Armor Edge® finish.

- 14 ga. steel apron (1" x 2") w/a solid steel frame

- Legs are 1-1/2" square tube assembly w/non-mar adjustable glides
- Apron frame & leg assembly are powder-coated w/polyester texture black finish to 3 mm thick
- 5-yr. mfr.'s warranty

**Please specify top color: gray, oak or black. Gray will be shipped if not specified.**

**Adjustable Leg Tables** 14 ga. outer tube with 16 ga. insert adjustable legs provide ADA table height range from 23-1/2" to 37-1/2"

Stk.	Mfr.	Overall Size	Price
<b>281520</b>	LOB7071-ADJ	60"W x 24"D	<b>\$313.00</b>
<b>281521</b>	LOB7082-ADJ	60"W x 30"D	<b>\$332.00</b>
<b>281522</b>	LOB7083-ADJ	72"W x 30"D	<b>\$359.00</b>
<b>281523</b>	LOB7100-ADJ	72"W x 42"D	<b>\$484.00</b>

**Fixed Leg Tables** 14 ga. fixed legs for table height of 29-1/2"

Stk.	Mfr.	Overall Size	Price
<b>281524</b>	LOB7071-FX	60"W x 24"D	<b>\$297.00</b>
<b>281525</b>	LOB7082-FX	60"W x 30"D	<b>\$314.00</b>
<b>281526</b>	LOB7083-FX	72"W x 30"D	<b>\$342.00</b>
<b>281527</b>	LOB7100-FX	72"W x 42"D	<b>\$468.00</b>



### Folding Tables

**Mayline** Reinforced to support more weight than standard folding tables. Seamless polypropylene tops are impact and stain-resistant as well as easy-to-clean.

- 2 slide locks per table
- Steel legs enhance stability & durability

- Heavy-duty 18-ga. tubular frame
- Indoor or outdoor use
- Texture white surface with dark gray hammered frame

Stk.	Mfr.	Overall Size	Price
<b>146350</b>	772448	48"W x 24"D x 29"H	<b>\$114.00</b>
<b>146351</b>	773060	60"W x 30"D x 29"H	<b>\$153.00</b>
<b>146352</b>	773072	72"W x 30"D x 29"H	<b>\$177.00</b>

## DESKS



### Multi-purpose Planning Desk

**Hann** Versatile unit is a desk, planning area or demonstration table. Constructed of heavy maple and hardwood paneling with mortise and tenon construction for durability. Natural finish. Shipped set-up.

- Top (1-1/4"T) plastic laminate
- 4 paper/blueprint plan drawers
- 4 storage & 1 file drawer (*w/master-keyed locks*)
- Dovetailed drawers

Stk.	Mfr.	Overall Size	Price
<b>439285</b>	D-631	72"W x 30"D x 36-3/4"H	<b>\$1,680.00</b>



### 600 Series Steel Teacher's Desk

**Sandusky Lee** Features laminated wood top surface with 6" rear overhang. Rounded corners and vinyl clad edges for safety. Two grommets for easy cable and wire management. Heavy-duty steel frame with powder coat finish.

Chrome-plated 1" square steel legs with levelers. Central locking system, full extension file drawers and center drawer. Putty with oak color. Shipped assembled except legs & handles.

Stk.	Mfr.	Overall Size	Price
<b>770013</b>	DQ6030PO	60"W x 30"D x 29-1/2"H	<b>\$640.00</b>



### Planning & Layout Desk

**Shain** Solid maple framed pedestal with maple veneer on sides and back. Earth-friendly, UV finish. Light assembly required.

- Plastic laminate top (72"W x 30"D x 1-1/4"T)

- 9 locking drawers w/solid maple fronts, dovetail construction & pulls
- 4 drawers (15-1/4"W x 19-3/4"D x 4-1/2"H ea.), 4 drawers (32-1/2"W x 25-3/4"D x 2"H ea.) & file drawer (15-1/4"W x 19-3/4"D x 10-1/4"H)
- Legs of solid maple w/truss bar & steel corner braces

Stk.	Mfr.	Overall Size	Price
<b>155806</b>	PLB-201	72"W x 30"D x 36"H	<b>\$1,924.00</b>



### Crosswinds™ Mobile Computer Worktable

**Mayline** Sturdy steel and laminate construction with metal-to-metal connectors. Designed to accommodate today's large monitors and towers. Includes slide-out keyboard and mouse tray. Gray laminate with dove gray paint. Assembly required.

**Computer equipment not included.**

Stk.	Mfr.	Overall Size	Price
<b>147075</b>	8100TD	47-1/4"W x 24"D x 28-1/2"H	<b>\$456.00</b>

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**Muv™ Mini Tower Adjustable Height Workstation**

**Safco** Workstation features a roll-out printer shelf and accommodates a CPU up to 16-1/2"H. Decorative molded side panels hide cords. Black powder-coated steel frame. Assembly required.

- 1" increment, adjustable height medium oak laminate top (35-1/2"W x 19-3/4"D x 3/4"T)

- Compressed wood shelves - lower (30"W x 15"D) & roll-out keyboard (30-1/2"W x 13-1/2"D)
- 4 dual-wheel carpet casters (2 locking)

Computer equipment not included.

Stk.	Mfr.	Overall Size	Price
<b>770801</b>	I927MO	35-1/2"W x 22"D x 29" to 34"H	<b>\$462.00</b>



**Standing Shop Desk**

**Edsal** All-steel desk with writing surface, shelf and locking drawer, plus pencil and paper compartments. Sloping top is 43"H at front. Powder-coat industrial gray finish.

Overall size 34-1/2"W x 30"D x 53"H.  
Drawer size 24"W x 28"D x 3-1/2"H.

Supplies not included.

Stk.	Mfr.	Price
<b>379570</b>	620	<b>\$437.00</b>

**SEATING**



**Alday Intensive Use Chair**

**Safco** Pneumatic-adjust seat height. Back height control, 360° swivel and seat tilt lock. Black polyester upholstered ergo seat (20-1/2"W x 20"D) and back (18-3/4"W x 18"H). Black frame. 2" dia. dual wheel, hooded carpet casters. 500 lb. rating.

Meets ANSI/BIFMA standards.

Stk.	Mfr.	Seat Height	Price
<b>770830</b>	339 1BL	17-1/2"-20"	<b>\$450.00</b>



**Budget Chair**

**Alvin** Pneumatic height control for adjustments. Black polypropylene seat and back shell, height and depth adjustable hinged backrest, dual wheel casters and a 22" dia. reinforced nylon base. Black fabric. Backrest is 16"W x 12"H.

Meets BIFMA standard. CAL 117 Fire Retardant.

Stk.	Mfr.	Seat Height	Price
<b>196294</b>	CH222-40	16-1/2" to 21-1/2"	<b>\$101.00</b>



**Economy Chair**

**Alvin** Ideal for classroom, tech lab or shop. Gas lift mechanism adjusts seat height for comfort. 1 handwheel adjusts backrest forward and backward, while another handwheel adjusts backrest height. Black seat and metal frame are supported by a 24" span 5-star fiberglass molded base with double-wheel hooded casters. Black fabric.

Meets BIFMA standard. CAL 117 Fire Retardant.

Stk.	Mfr.	Seat Height	Price
<b>196307</b>	CH277-40	17-1/2" to 22-1/2"	<b>\$128.00</b>



**Maestro Stack Chairs**

**Krueger** High-density chairs that can be set up, rear-ranged, stacked and stored for nearly any application. Integral handle in the seat back for easy lifting. High back provides comfort and promotes correct posture. Waterfall seat front supports circulation. Chrome frame. Chairs stack 10 high.

Overall size 19-1/4"W x 21-1/4"D.

Stk.	Mfr.	Color	Price
<b>143870</b>	MSP/NG/CH/PBL/NFR	Black	<b>\$96.60</b>
<b>143871</b>	MSP/NG/CH/PSA/NFR	Sand	<b>\$96.60</b>



**Stacking Chairs**

**Krueger** Durable, comfortable contoured chair of 1-piece, high-impact polypropylene. Color-permeated, textured shell hides scratches and cleans easily. 14 ga. round chrome legs, self-leveling plastic glides. Chairs stack 12 high.

Overall size 22"W x 22-1/4"D x 31"H.

Stk.	Mfr.	Color	Price
<b>143820</b>	1000NG/CH/PND/PG	Nordic Blue	<b>\$60.80</b>
<b>143821</b>	1000NG/CH/PBD/PG	Burgundy	<b>\$60.80</b>
<b>143822</b>	1000NG/CH/PSA/PG	Sand	<b>\$60.80</b>



**Hardwood Stools**

**Hann** Ideal for seating in the classroom or lab. Heavy duty seats with rounded edge are 1-1/4" thick and 13" dia. 1-1/2" dia. rounded legs are tensioned into the bottom of the seat and secured with screws. Legs are rounded at the end. Draw-tight stretchers are glued and pinned at stress points.

**Quantity Savings!**

**Maple**

Stk.	Mfr.	Seat Height	Qty.	Price	12 or more
<b>439331</b>	S-18-M	18"	1	<b>\$79.60</b>	<b>\$71.00</b>
<b>439333</b>	S-24-M	24"	1	<b>\$85.50</b>	<b>\$77.00</b>
<b>439335</b>	S-30-M	30"	1	<b>\$90.70</b>	<b>\$81.00</b>

**Oak**

<b>439330</b>	S-18-O	18"	1	<b>\$79.60</b>	<b>\$71.00</b>
<b>439332</b>	S-24-O	24"	1	<b>\$85.50</b>	<b>\$77.00</b>
<b>439334</b>	S-30-O	30"	1	<b>\$90.70</b>	<b>\$81.00</b>



**Student Bench**

**Hann** Provides sturdy seating and storage needed in the art room. Stationary top. Made entirely of hard maple. Natural finish.

Stk.	Mfr.	Overall Size	Price
<b>439261</b>	B-2	17"W x 12"D x 17"H	<b>\$210.00</b>



**AlphaBetter® Stool**

**Safco** Steel base tip-resistant stool adjusts in 1-1/4" increments. 13"W x 13"D x 5/8"T thermoplastic laminated MDF seat. Black powder coat finish. Assembly required.

Stk.	Mfr.	Seat Height	Price
<b>770770</b>	I205BL	21" to 35-1/2"	<b>\$205.00</b>



### 5-Legged Square Tube Stools

**Wisconsin Bench** Fully-welded stool for demanding environments. 5-legged design improves stability, discourages attempts to balance on two legs. Black, 16 gauge powder-coated steel with non-marring glides. 1/2" solid steel foot ring. 14" dia. x 1-1/4" hardwood seat. Assembly required.

#### Fixed-Height

Stk.	Mfr.	Seat Height	Price
<b>281540</b>	STL9186-AH-HW	18"	<b>\$81.30</b>
<b>281541</b>	STL9186-AL-HW	24"	<b>\$88.10</b>

#### Adjustable-Height

Stk.	Mfr.	Seat Height	Price
<b>281542</b>	STL9186-AR-HW	18" to 28"	<b>\$126.00</b>
<b>281543</b>	STL9186-AP-HW	22" to 32"	<b>\$203.00</b>



### Masonite Seat Stools

**Krueger** Get function, versatility and long-term value. Heavy-duty, electronic seam-welded tubular steel construction. 14" dia. seats with lacquered hardboard insets.

**Please specify color: gray metallic, beige, black, brown or sand enamel finish.**  
**Gray will be shipped if not specified.**

#### Quantity Savings!

**Fixed-Height** Includes replaceable polyethylene feet.

Stk.	Mfr.	Seat Height	Qty.	Price	12 or more
<b>143000</b>	618	18"	1	<b>\$42.60</b>	<b>\$39.00</b>
<b>143268</b>	624	24"	1	<b>\$50.00</b>	<b>\$46.00</b>
<b>143536</b>	630	30"	1	<b>\$58.10</b>	<b>\$53.00</b>

**Fixed-Height w/Backrest** Steel back w/replaceable polyethylene feet.

Stk.	Mfr.	Seat Height	Qty.	Price	12 or more
<b>143134</b>	618B	18"	1	<b>\$71.60</b>	<b>\$66.00</b>
<b>143402</b>	624B	24"	1	<b>\$74.30</b>	<b>\$68.00</b>
<b>143670</b>	630B	30"	1	<b>\$82.40</b>	<b>\$75.00</b>

**Adjustable-Height** Adjusts in 1" increments. **Includes** self leveling glides.

Stk.	Mfr.	Seat Height	Qty.	Price	12 or more
<b>143067</b>	618A	19" to 27"	1	<b>\$58.10</b>	<b>\$53.00</b>
<b>143335</b>	624A	25" to 33"	1	<b>\$64.80</b>	<b>\$59.00</b>
<b>143603</b>	630A	31" to 39"	1	<b>\$77.00</b>	<b>\$69.00</b>

**Adjustable-Height w/Backrest** Adjusts in 1" increments. **Includes** steel back & self leveling glides.

Stk.	Mfr.	Seat Height	Qty.	Price	12 or more
<b>143201</b>	618BA	19" to 27"	1	<b>\$86.40</b>	<b>\$79.00</b>
<b>143469</b>	624BA	25" to 33"	1	<b>\$90.50</b>	<b>\$82.00</b>
<b>143737</b>	630BA	31" to 39"	1	<b>\$103.00</b>	<b>\$95.00</b>



### Angle Steel Stools

**Montisa Learning** Angle steel leg stools with 14" round metal or wood seats. Legs are constructed of 7/8" square angle steel with 1 row of stretchers. Stools that are 26"H or higher have 2 rows of stretchers. Ball feet are an integral part of the leg. Glides sold separately.

**Please specify color: gray, forest green or dark tan.**

**Gray will be shipped if not specified.**

#### Steel Seat

Stk.	Mfr.	Seat Height	Price
<b>206692</b>	21-A-20	20"	<b>\$74.60</b>
<b>206694</b>	21-A-24	24"	<b>\$78.50</b>
<b>206696</b>	21-A-26	26"	<b>\$94.10</b>
<b>207000</b>	21-A-30	30"	<b>\$96.90</b>

#### Wood Seat

Stk.	Mfr.	Seat Height	Price
<b>207004</b>	21-B-20	20"	<b>\$127.00</b>
<b>207006</b>	21-B-24	24"	<b>\$131.00</b>
<b>207008</b>	21-B-26	26"	<b>\$146.00</b>
<b>207012</b>	21-B-30	30"	<b>\$153.00</b>

#### Glides 4/set.

Stk.	Mfr.	Seat Height	Price
<b>206014</b>	GL01		<b>\$9.35</b>



### Maple Seat Stools

**Krueger** 14" dia. hardwood maple seat, w/clear lacquer finish. Legs are firmly welded to form a solid, integral unit. Fixed leg models have super-dylan feet. Adjustable-height legs allow adjustments in 1" increments & have self-leveling guides.

**Please specify color: gray metallic, beige, sand, black or brown. Gray metallic will be shipped if not specified.**

#### Fixed-Height

Stk.	Mfr.	Seat Height	Price
<b>143220</b>	618W	18"	<b>\$75.60</b>
<b>143475</b>	624W	24"	<b>\$81.00</b>
<b>143750</b>	630W	30"	<b>\$81.00</b>

#### Fixed-Height w/Backrest

Stk.	Mfr.	Seat Height	Price
<b>143228</b>	618BW	18"	<b>\$111.00</b>
<b>143483</b>	624BW	24"	<b>\$118.00</b>
<b>143758</b>	630BW	30"	<b>\$106.00</b>

#### Adjustable-Height

Stk.	Mfr.	Seat Height	Price
<b>143224</b>	618WA	19" to 27"	<b>\$97.20</b>
<b>143479</b>	624WA	25" to 33"	<b>\$98.60</b>
<b>143754</b>	630WA	31" to 39"	<b>\$102.00</b>

#### Adjustable-Height w/Backrest

Stk.	Mfr.	Seat Height	Price
<b>143232</b>	618BWA	19" to 27"	<b>\$131.00</b>
<b>143487</b>	624BWA	25" to 33"	<b>\$127.00</b>
<b>143762</b>	630BWA	31" to 39"	<b>\$126.00</b>



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### Perforated Steel Seat Stools

**Lyon** Available in 5 heights. 14" x 14" seats, perforated for ventilation. Welded construction. Tapered legs insure against tipping. All legs punched for adjustable leg extension permitting 3" height adjustment. Stools under 30" have one cross brace between legs, 30" stools have two braces. Enamel finish. Additional stool heights in these styles are available upon request.

**Stools must be ordered in multiples of 2, or Lyon will increase order quantity to next even number.**

**Specify color: dove gray, putty or wedgewood blue (allow additional time for putty & wedgewood blue). Gray will be shipped if not specified.**

#### Stool w/Steel Feet

Stk.	Mfr.	Seat Height	Qty.	Price
<b>175015</b>	1700	18"		<b>\$56.60</b>
<b>176087</b>	1750	22"		<b>\$57.20</b>
<b>177159</b>	1800	24"		<b>\$60.40</b>
<b>178231</b>	1850	26"		<b>\$62.00</b>
<b>179303</b>	1900	30"		<b>\$73.40</b>

#### Stool w/Steel Feet & Backrest

Stk.	Mfr.	Seat Height	Qty.	Price
<b>175216</b>	1704	18"		<b>\$82.90</b>
<b>176288</b>	1754	22"		<b>\$83.50</b>
<b>177360</b>	1804	24"		<b>\$86.70</b>
<b>178432</b>	1854	26"		<b>\$88.30</b>
<b>179504</b>	1904	30"		<b>\$99.70</b>

#### Stool w/Rubber Feet

Stk.	Mfr.	Seat Height	Qty.	Price
<b>176154</b>	1751	22"		<b>\$64.50</b>
<b>177226</b>	1801	24"		<b>\$67.70</b>
<b>178298</b>	1851	26"		<b>\$69.30</b>
<b>179370</b>	1901	30"		<b>\$80.80</b>

#### Stool w/Rubber Feet & Backrest

Stk.	Mfr.	Seat Height	Qty.	Price
<b>176355</b>	1755	22"		<b>\$86.10</b>
<b>177427</b>	1805	24"		<b>\$89.60</b>
<b>178499</b>	1855	26"		<b>\$90.90</b>
<b>179571</b>	1905	30"		<b>\$103.00</b>

#### Stool w/Steel Glides

Stk.	Mfr.	Seat Height	Qty.	Price
<b>175149</b>	1702	18"		<b>\$66.70</b>
<b>176221</b>	1752	22"		<b>\$67.30</b>
<b>177293</b>	1802	24"		<b>\$70.50</b>

#### Stool w/Steel Glides & Backrest

Stk.	Mfr.	Seat Height	Qty.	Price
<b>175350</b>	1706	18"		<b>\$87.00</b>
<b>176422</b>	1756	22"		<b>\$87.60</b>
<b>177494</b>	1806	24"		<b>\$90.80</b>

#### Black Rubber Feet 1-13/16"D x 1-1/8"H

Stk.	Mfr.	Seat Height	Qty.	Price
<b>180330</b>	1960			<b>\$2.35</b>

#### Black Rubber Feet w/Steel Glide 1-13/16"D x 1-1/8"H

Stk.	Mfr.	Seat Height	Qty.	Price
<b>180331</b>	1961			<b>\$3.25</b>



### Upholstered Seat Stool w/Backrest

**Krueger** Seat is upholstered in 1-3/4" polyfoam, covered with elastic-backed vinyl. Swivels 360°. Backrest is upholstered with Tufflex pad to match seat.

**Please specify color: black vinyl w/gray enamel or brown vinyl w/beige enamel. Black w/gray will be shipped if not specified.**

Stk.	Mfr.	Seat Height	Price
<b>143804</b>	824SB	24" to 28"	<b>\$103.00</b>



### Upholstered Seat Stool w/Backrest & Top Spin Height Adjustment

**Edsal** Adjusts quickly for individual preferences. Cushioned black nylon swivel seat with vinyl backrest. Baked enamel steel frame and self-adjusting rubber cushioned metal glides.

Stk.	Mfr.	Seat Height	Price
<b>379670</b>	SS409	21" to 30"	<b>\$276.00</b>



### Hydraulic Stool w/Back

**Craftsman** Hydraulic stool is built to last with sturdy chrome legs, resilient foam padding and tough black vinyl covers. Adjustable back rest. Adjustable, slip-resistant feet. Some assembly required.

Stk.	Mfr.	Seat Height	Price
<b>305788</b>	61828	28-1/2"	<b>\$129.00</b>



### Gel Seat Stool w/Height Adjustment

**Safco** Sitstar™ stool features an oversized, tractor style seat of PVC-coated gel molded on a metal frame. Soft, polyurethane black seat has a polished chrome base with raised adjustable foot ring and 5 dual carpet casters. Swivels 360°. Black padded backrest for good posture (*sold separately*). Light assembly required.

Stk.	Mfr.	Item	Seat Height	Price
<b>770890</b>	6660BL		23" to 33"	<b>\$341.00</b>
<b>770891</b>	6661BL	Backrest		<b>\$172.00</b>



### Diesel Adjustable Stools

**Safco** Ideal for workbench use in industrial and educational settings. Steel frame and clear coat finish. 14" dia. padded seat. Nylon-coated screw adjusts height manually. Non-marring rubber feet protect floors. Light assembly required.

Stk.	Mfr.	Item	Seat Height	Price
<b>770899</b>	6669	Low Base	16" to 22"	<b>\$135.00</b>
<b>770897</b>	6665	High Base	22" to 27"	<b>\$153.00</b>

#### Stool w/Backrest Leather padded steel back.

Stk.	Mfr.	Item	Seat Height	Price
<b>770898</b>	6668	Low Base	16" to 22"	<b>\$208.00</b>
<b>770896</b>	6664	High Base	22" to 27"	<b>\$223.00</b>

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## STORAGE CABINETS



### 30" W Wardrobe Cabinet

**Shain** Compact 5-shelf/clothes hanging maple cabinet stores supplies, files, jackets, hats, etc. Full-length fixed top shelf, 1 fixed and 3 adjustable shelves. Easy-open locking door with 5-knuckle institutional hinges. Earth-friendly UV finish. Shipped set up.

**Includes** clothing hang bar, 1 large & 4 small shelves.

Stk.	Mfr.	Overall Size	Price
<b>155011</b>	WSC-26	30"W x 22"D x 84"H	<b>\$855.00</b>



### 36" W 80-Bin Storage Cabinet

**Shain** Constructed of maple veneers & banded with sold maple (3/4" back). 3-point locking cabinet has 5-knuckle hinges, 3 adjustable shelves and area for 80 hanging high-impact plastic bins. Earth-friendly UV finish. Shipped set up.

**Includes** 80 hanging bins.

Stk.	Mfr.	Overall Size	Bins	Price
<b>155628</b>	PSC-80	36"W x 18"D x 84"H	80	<b>\$1,859.00</b>



### 36" W Tool Storage Cabinets

**Hann** Cabinet offers 1/4" T peg-board-lined back and full-width adjustable shelves. Unit features heavy-duty construction of hard maple framing and birch

panels. 3/4" T hardwood panel overlay doors with pulls. Master-keyed locking doors. Natural finish. Shipped set up.

**Tote Storage Cabinet** Overall size 36"W x 22"D x 84"H.

**Includes** 1 full-width adjustable shelf & bins.

Stk.	Mfr.	Bins	Bin Size	Price
<b>439462</b>	TS-1000	4	8" x 19" x 3-1/2"	<b>\$1,216.00</b>

**Bin Storage Cabinet** Overall size 36"W x 18"D x 84"H.

**Includes** 2 full-width adjustable shelves, tool hooks & bins.

<b>439450</b>	TS-36W	10	10-7/8"W x 13-3/4"D x 3"H	<b>\$1,112.00</b>
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**Adjustable Shelf Cabinet** Overall size 36"W x 18"D x 84"H.

**Includes** 4 full-width adjustable shelves & tool hooks.

<b>439451</b>	TS-48W			<b>\$1,080.00</b>
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### 48" W 24-Tote Tray Storage Cabinet

**Hann** Cabinet constructed of hard maple face framing and birch panels. All members are glued and stapled to one another forming a strong, interconnected cabinet. 3 adjustable shelves made of 3/4" veneercore plywood. Natural finish. Master-keyed locking doors. High-impact polystyrene tote trays with label holders. Shipped set up.

Overall size 48"W x 22"D x 84"H.

Stk.	Mfr.	Trays	Tray Size	Price
<b>439475</b>	TT-4	24	19" x 13-1/4" x 3-1/2"	<b>\$2,056.00</b>



### 48" W 48-Tote Tray Cabinet

**Shain** Constructed of solid hardwood, solid maple with maple veneers. 3-point locking doors w/pulls. Earth-friendly, UV finish. Shipped set up.

Overall size 48"W x 22"D x 84"H

**Cabinet should be secured to the wall for safety. Mounting hardware not included.**

Stk.	Mfr.	Trays	Tray Size	Price
<b>155528</b>	TTC-48	48	14-1/4" x 19" x 3-1/2"	<b>\$2,582.00</b>



### 48" W General Storage Cabinet w/Drawers

**Hann** Constructed of hard maple face framing and birch panels. All members are glued and stapled forming a strong, interconnected cabinet. Natural finish. Shipped set up.

- Master-keyed locking doors & drawers
- 4 full width adjustable shelves made of 3/4" veneercore plywood

Overall size 48"W x 22"D x 84"H.

Stk.	Mfr.	Drawer Size	Price
<b>439417</b>	TS-2	21"D	<b>\$1,658.00</b>



### 48" W Teacher's Storage Cabinets

**Wisconsin Bench** Constructed of 3/4" T particle board with thermal-fused laminate on both sides with 1" top over 3/4" sub top. Fully finished back & all edges are finished using 3 mm PVC edge banding. Offset 5-knuckle door swing allows doors to lay flat against the cabinet sides when open and integrated locks keep doors and drawers secure when not in use.

- Floor levelers w/glides accessible from the inside
- Four, 1" T adjustable shelves
- Four, 20"W x 21"D x 6"H drawers w/key locks
- Factory assembled using dowel construction

Overall size 48"W x 24"D x 84"H.

Stk.	Mfr.	Item	Price
<b>281532</b>	SS4000-PM	Pacific Maple Laminate	<b>\$2,103.00</b>
<b>281533</b>	SS4000-WC	Wild Cherry Laminate	<b>\$2,103.00</b>



### 60" W Display Cabinet

**Hann** Ideal for storing and displaying projects, books, magazines, trophies and more. Unit features solid maple framing and panels with mortise and tenon construction. Natural finish. Shipped set up.

- Upper cabinet w/2 adjustable glass shelves & 1/4" tempered glass sliding doors
- 7 door/drawer handles
- Lower storage area w/2 shelves (42"W x 19"D)
- 3 large filing drawers for reference storage
- Master-keyed locks for storage areas & file drawers
- Hand built

Stk.	Mfr.	Overall Size	Price
<b>439345</b>	SC-13G	60"W x 22"D x 84"H	<b>\$2,360.00</b>





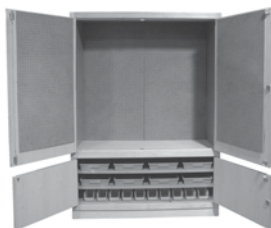
**60"W Tool Cabinet Storage**

**Shain** Cabinet is constructed of solid maple with maple veneer. Upper cabinet doors, side and rear panels are lined w/1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves. Upper & lower locking doors of 1-1/8" maple veneer panels mounted w/hinges Earth-friendly UV finish. Shipped set up.

Overall size 60"W x 22"D x 84"H.

**Includes** pegboard hook assortment.

Stk.	Mfr.	Item	Price
<b>155352</b>	TC-4	Cabinet Only	<b>\$1,956.00</b>



**60"W Tool Storage Cabinet w/Pegboard**

**Hann** Heavy-duty build with 1-1/2" thick mortise and tenon frames, doors mounted on continuous hinges and 3/4" thick plywood backs. Lower cabinet consists of 2 adjustable shelves made of 3/4" veneercore plywood. Upper storage compartment lined with 1/4" perforated pegboard. Master-keyed locking doors. Natural finish. Shipped set up.

**Includes** tool hangers, 10 bins & 14 totes.

Stk.	Mfr.	Overall Size	Price
<b>439418</b>	TS-4	60"W x 22"D x 84"H	<b>\$2,120.00</b>



**96"W White Board Wall Cabinet**

**Shain** Provides large presentation boards and ample storage for classroom activities. Full-width map rail above marker board. Two 4' porcelain magnetic marker boards. Behind the sliding marker boards are 3 adjustable shelves. Lower storage cabinets contain 1 adjustable shelf and both units lock.

- Cabinet constructed of solid oak or maple & oak or maple hardwood veneers using dowel construction
- Drawer glides are epoxy coated w/100 lb. capacity
- Drawers feature full dovetail construction
- Drawer fronts are oak or maple veneers w/solid wood edge banding
- Doors are oak or maple plywood w/solid wood edge banding
- Hinges are 5 knuckle institutional & doors & drawers have locks

Stk.	Mfr.	Item	Overall Size	Price
<b>155051</b>	LW-8K	Oak	96"W x 24"D x 84.25"H	<b>\$4,062.00</b>
<b>155052</b>	LW-8M	Maple	96"W x 24"D x 84.25"H	<b>\$4,213.00</b>

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for Equipment & Furniture.  
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**Attach Tall Storage  
Cabinets to the wall for added safety.**



**General Storage Cabinets**

**Shain** Constructed of solid hardwood, solid maple with maple veneers. Fixed, adjustable full-width shelves (15-7/8"D). 3-point locking doors. Earth-friendly UV finish. Shipped set up.

**Cabinet w/Doors 2 fixed, 4 adjustable full-width 3/4"T shelves.**

Stk.	Mfr.	Overall Size	Price
<b>155471</b>	GSC-23	30"W x 22"D x 84"H	<b>\$1,044.00</b>

**Cabinet w/Doors 2 fixed, 4 adjustable full-width 1" shelves.**

Stk.	Mfr.	Overall Size	Price
<b>155473</b>	GSC-36	36"W x 22"D x 84"H	<b>\$1,095.00</b>
<b>155470</b>	GSC-22	48"W x 22"D x 84"H	<b>\$1,230.00</b>
<b>155496</b>	GSC-21	60"W x 22"D x 84"H	<b>\$1,530.00</b>

**Cabinet w/Doors & Drawers 1 fixed & 4 adjustable shelves 1"T, 4 locking drawers (22-3/4"W x 19-3/4"D x 8-1/4"H ea.) w/solid maple fronts, dovetail construction & pulls. Shown w/supplies, not included.**

Stk.	Mfr.	Overall Size	Price
<b>155482</b>	GSC-8	48"W x 22"D x 84"H	<b>\$1,817.00</b>

**Binder/Notebook Cabinets**



**Shure** Easy-open cabinets contain a lock and flip-front door with stay-open gas-spring shocks. Partial back panel allows access to electrical outlets when wall-mounted. Powder-coated sebring gray finish.

Stk.	Mfr.	Overall Size	Price
<b>795184</b>	791442	36"W x 15"D x 18-1/2"H	<b>\$632.00</b>
<b>795185</b>	791457	48"W x 15"D x 18-1/2"H	<b>\$632.00</b>
<b>795186</b>	791443	60"W x 15"D x 18-1/2"H	<b>\$946.00</b>

**Wall Cabinet w/Sliding Doors**

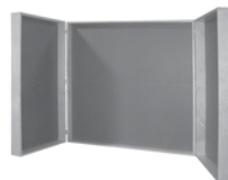


**Fleetwood** High quality, rugged cabinets. Light oak laminate with black frame and edge. Shipped set-up.

- Steel reinforced cabinet to stand up in more intense-use situations

- Welded steel U-Frame end assembly construction; steel supports for top & bottom
- 3/4" laminate panels
- Mfr.'s full lifetime warranty

Stk.	Mfr.	Overall Size	Price
<b>407415</b>	15.2020.018.000	48"W x 14"D x 20"H	<b>\$579.00</b>
<b>407416</b>	15.2030.018.000	48"W x 14"D x 30"H	<b>\$639.00</b>



**Wall Mounted Tool Storage Cabinet**

**Hann** Provides a full 96" of tool mounting area when the unit is open. Constructed of heavy hardwood panels with natural finish. Fitted with masonite pegboard, lock, strap hinges and provision for wall mounting.

Side panels are 24"W x 4"D x 48"H and center panel is 48"W x 4"D x 48"H. Shipped set-up.

**Includes** assortment of tool hangers.

Stk.	Mfr.	Overall Size	Price
<b>439415</b>	TC-5	48"W x 8"D x 48"H	<b>\$702.00</b>



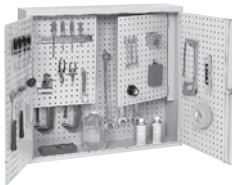
**Wall-mounted Tool Cabinet w/Pegboard**

**Shain** Plywood construction with 1/8" peg-board interior for flexible tool arrangement. Earth-friendly UV finish. Shipped set up.

**Includes** hasp & lock plus asst. tool pegs.

Stk.	Mfr.	Overall Size	Price
<b>155469</b>	MC-1	96"W x 6"D x 48"H (closed)	<b>\$734.00</b>

**METAL STORAGE CABINETS**



**Wall-mounted Steel Tool Cabinet w/Square Peg Holes**

**Kennedy** 3-point locking doors combine easy access and convenient storage with security. Square hole perforated cabinet back and inner door panels give large tool hanging capacity. Features 24"L x 18"W swingout inner panels

for storage of flat tools. Tan finish. 100 lbs.

**Includes** 60-piece tool holder set & 2 keys.

**Shown w/tools, sold separately.**

Stk.	Mfr.	Overall Size	Price
<b>492880</b>	50260TX	44"W x 39-3/8"H x 11-13/16"D	<b>\$1,349.00</b>



**21" Metal Cabinet**

**Edsal** Work surface with back and end stops to prevent tools from sliding off. Top easily reverses to give a flat working surface. 3 shelves adjust on 1-1/2" centers. Heavy-gauge steel construction and all-steel components. Industrial powder-coated gray finish.

Stk.	Mfr.	Overall Size	Price
<b>379572</b>	630	21"W x 15-1/2"D x 34"H	<b>\$231.00</b>



**28" Steel Wall Cabinet**

**Craftsman** Locking cabinet with baked red enamel resists rust and corrosion. Pre-drilled holes are spaced on 16" and 24" centers. 1 fixed shelf supports up to 30 lbs. Opening for electrical cord. Some assembly required.

Stk.	Mfr.	Item	Price
<b>305605</b>	10131	28"W x 12"D x 28"H	<b>\$230.00</b>



**30" Clear View Wall Cabinet**

**Sandusky Lee** Steel cabinet attaches to a wall to save floor space. Doors are spot welded at inside corners and full-length welded for rigidity. Felt pads protect paint and assure quiet closure. Clear acrylic panels in doors allow easy viewing of contents locked inside.

Cabinet has triple-formed sides for stability. Shelf adjusts at 2" increments, reverses for tray effect and can be elevated at back for slanted shelf. Shelf capacity 150 lbs. Putty powder-coated finish.

**Includes** 3-point locking handle w/key & adjustable shelf w/clips

**Shown w/supplies, not included.**

Stk.	Mfr.	Overall Size	Price
<b>770030</b>	WAIV-301226-07	30"W x 12"D x 26"H	<b>\$445.00</b>



**30" Storage Cabinet w/Fixed Shelves**

**Sandusky Lee** Welded steel cabinet with locking doors safely store equipment and supplies. Doors are spot welded at inside corners and full-length welded for rigidity. Felt pads protect the paint and assure quiet closure. Locking cam handle secures the cabinet.

Cabinet has triple-formed sides for stability. 3 fixed shelves are interlocked within the side break and welded. Powder-coated putty finish.

Stk.	Mfr.	Overall Size	Price
<b>770040</b>	VF31-301872-07	30"W x 72"H x 18"D	<b>\$402.00</b>



**30" & 36" 3-in-1 Cabinet Set**

**Sandusky Lee** Cabinets feature 24-ga. welded steel construction. Full length recessed pull handles and recessed push button lock on doors. Multi-granite finish. Tall and base cabinets include 7"H heavy duty legs with levelers. Ships assembled (except legs) in one carton.

**Includes**

- Tall Cabinet (36"W x 18"D x 79"H) w/1 fixed shelf & 2 adjustable shelves
- Base Cabinet (30"W x 15"D x 37"H) w/1 adjustable shelf, pull-out drawer w/cam lock & 3/4" MDF work top (30"W x 15"D)
- Wall Cabinet (30"W x 12"D x 26"H) w/1 adjustable shelf & mounting hardware

Stk.	Mfr.	Price
<b>770000</b>	3IN1VDPMDf-MGL	<b>\$746.00</b>



**36" Metal Adjustable Shelf Cabinet**

**Montisa Learning** Sturdy storage cabinet has 4 adjustable shelves. Doors swing wide for easy accessibility, have 3-point locking handle. Baked enamel finish. Assembly required.

Overall size 36"W x 21"D x 78"H.

**Please specify color: gray, forest green or dark tan. Gray will be shipped if not specified.**

Stk.	Mfr.	Item	Price
<b>209417</b>	505		<b>\$883.00</b>
<b>209618</b>	508	Extra Shelf	<b>\$42.10</b>



**36" Metal Wardrobe Cabinet**

**Edsal** Durable, all steel components cabinet has a full-width, adjustable shelf at top for hats and packages, plus space below to hang 8-15 bulky coats. Shelf is adjustable every 2". Completely finished interior has no sharp edges to damage clothing. Tough industrial powder-coated gray finish. Assembly required.

**Shown w/supplies, not included.**

Stk.	Mfr.	Overall Size	Price
<b>379640</b>	7003GY	36"W x 18"D x 72"H	<b>\$388.00</b>

**Attach Tall Storage Cabinets to the wall for added safety.**



### 36" W Heavy-duty Industrial Storage Cabinets

**Edsal** Smooth panel constructed of 16 gauge steel frame for superior rigidity. Welded door frame for lasting alignment. Chrome locking handle with 3-point

latching doors for highest security. Fully enclosed base with 2 leg levelers to compensate for uneven floor conditions. Industrial powder-coated gray finish. Assembly required.

**Shown w/supplies, sold separately.**

**Counter Height Cabinet** Counter height top cabinet includes 2 adjustable shelves & 4-knuckle hinges.

Stk.	Mfr.	Overall Size	Price
<b>379627</b>	3006GY	36"W x 18"D x 42"H	<b>\$390.00</b>
<b>379628</b>	3007GY	36"W x 24"D x 42"H	<b>\$437.00</b>

**Combination Cabinet** Storage/wardrobe cabinet with 1 full-width shelf, 4 adjustable shelves (on 2" centers). Channel reinforced doors w/ hidden hinges.

Stk.	Mfr.	Overall Size	Price
<b>379624</b>	3004GY	36"W x 18"D x 78"H	<b>\$598.00</b>
<b>379625</b>	3005GY	36"W x 24"D x 78"H	<b>\$666.00</b>

**Storage Cabinet** Cabinet includes 4 adjustable shelves and 4-knuckle hinges.

Stk.	Mfr.	Overall Size	Price
<b>379615</b>	3000GY	36"W x 18"D x 78"H	<b>\$538.00</b>
<b>379620</b>	3002GY	Extra Shelf 36"W x 18"D	<b>\$31.60</b>
<b>379616</b>	3001GY	36"W x 24"D x 78"H	<b>\$600.00</b>
<b>379621</b>	3003GY	Extra Shelf 36"W x 24"D	<b>\$38.80</b>



### 36" W & 48" W Standard Series Metal Cabinets

**Tennsco** Heavy-duty cabinet has reinforced doors with extra wide reinforcement for added rigidity. Enclosed, raised base keeps contents from contact with floor moisture. Built-in shelf tabs for easy adjustments. Chrome handle activates 3-point locking feature on both doors. Heavy-duty leaf hinges door maintain door alignment. Medium gray finish. Assembly required.

**Shown w/supplies, sold separately.**

**Counter Height Cabinet** Includes 2 adjustable shelves.

Stk.	Mfr.	Overall Size	Price
<b>892580</b>	1442	36"W x 18"D x 42"H	<b>\$313.00</b>

**Combination Cabinet** Includes hang bar, 1 full-width & 4 adjustable shelves.

Stk.	Mfr.	Overall Size	Price
<b>892602</b>	1472	36"W x 18"D x 72"H	<b>\$423.00</b>

**Storage Cabinet** Includes 4 adjustable shelves.

Stk.	Mfr.	Overall Size	Price
<b>892600</b>	1470	36"W x 18"D x 72"H	<b>\$396.00</b>
<b>892605</b>	1480	36"W x 24"D x 72"H	<b>\$471.00</b>

**Jumbo Cabinet** Includes 4 adjustable shelves.

Stk.	Mfr.	Overall Size	Price
<b>892620</b>	J1878A-N	48"W x 18"D x 78"H	<b>\$562.00</b>
<b>892622</b>	J2478A-N	48"W x 24"D x 78"H	<b>\$607.00</b>



### 38" W Pocket Door Cabinets w/Bins

**Edsal** Rugged 16 gauge welded steel construction pocket door cabinets. Removable heavy-duty

plastic bins suspend from removable steel-louvered panels. 4" deep pocket doors with extra heavy-duty hinges open 270° and accommodate bins and/or 30 pound capacity adjustable shelves (on 2" centers). Cabinets come complete with padlock hasp (padlock not included), leveling feet and bins. Gray cabinet with yellow bins

Overall size 38"W x 24"D x 72"H

**Shown with supplies, sold separately.**

**64 Bins** Includes 2 adjustable interior shelves (ea. 37-1/2"W x 18"D x 2"H) & 6 door shelves (ea. 18-3/8"W x 3-3/4"D x 3/4"H), plus Bins: (48) 4-1/8"W x 7-3/8"D x 3"H, (16) 8-1/4"W x 14-3/4"D x 7"H.

Stk.	Mfr.	Price
<b>379652</b>	BC6203G	<b>\$1,594.00</b>

**96 Bins** Includes 4 adjustable shelves (ea. 37-1/2"W x 18"D x 2"H), plus Bins: (96) 4-1/8"W x 5-3/8"D x 3"H.

<b>379651</b>	BC6202G	<b>\$1,504.00</b>
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**132 Bins** Includes bins: (48) 4-1/8"W x 5-3/8"D x 3"H, (48) 4-1/8"W x 7-3/8"D x 3"H, (18) 5-1/2"W x 10-7/8"D x 5"H, (12) 8-1/4"W x 14-3/4"D x 7"H, (6) 16-1/2"W x 14-3/4"D x 7"H.

<b>379650</b>	BC6200G	<b>\$1,811.00</b>
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### 39" W Metal Tool Cabinet w/Pegboard

**Kennedy** Gray welded steel cabinet (16 ga.) with full-length pegboard panels on doors. 1 fixed and 3 adjustable full-width shelves (ea. 36"W x 21"D x 1-3/4"H) with 400 lb. capacity. 3-point locking doors.

**Shown w/tool holders (Stk. 492900), sold separately.**

Stk.	Mfr.	Overall Size	Price
<b>492840</b>	10350UGY	39-1/4"W x 23-1/4"D x 76"H	<b>\$1,729.00</b>

**60-Piece Tool Holder Set** Includes 33 assorted single hooks, 9 assorted double hooks, 4 assorted pliers hooks, 10 assorted spring clips, ring hook, screwdriver unit, wrench rack & Allen key unit.

Stk.	Mfr.	Price
<b>492900</b>	99853	<b>\$192.00</b>



### 39" W Mini Workshop Cabinet

**Kennedy** Gray welded steel cabinet (16 ga.) with full-length pegboard panels on doors and cabinet back. 3 full-width drawers (ea. 34-5/8"W x 17-3/8"D x 4"H) with 165 lb. capacity glides on steel roller bearings.

- Safety latches on drawers
- Easy-pull drawer handles (w/label holders)

- 3-point locking doors
- Maple butcher block maple work surface (36"W x 20"D x 1-1/2"T)
- Full-width adjustable shelf (35-7/8"W x 19-5/8"D) w/220 lb. capacity

**Includes** 60-Piece Tool Holder Set w/33 asst. single hooks, 9 asst. double hooks, 4 asst. pliers hooks, 10 asst. spring clips, ring hook, screwdriver unit, wrench rack & Allen key unit.

**Shown w/tools & supplies, sold separately.**

Stk.	Mfr.	Overall Size	Price
<b>492885</b>	50301UGY	39-1/4"W x 23-1/4"D x 76"H	<b>\$2,670.00</b>



### 48"W Industrial Metal Jumbo Cabinet

**Edsal** Extra wide for big storage jobs. Cabinet has 13 more cu. ft. of storage compared to 36"W units. Features 4 shelves that adjust every 2". Reinforced doors with 3-point locks. Chrome handle with lock. Extra heavy-duty construction with all steel components. Industrial powder-coated gray finish. Assembly required.

Shown with supplies, sold separately.

Stk.	Mfr.	Overall Size	Price
<b>379632</b>	4000GY	48"W x 24"D x 78"H	<b>\$771.00</b>

## STORAGE



### Key Storage Cabinet

**Master Lock** Heavy-duty 120-count rekeyable key cabinet. Heavy-duty steel construction with full length, hinged door and built-in slotted key racks. Durable powder coated cabinet finish, Rekeyable wafer cylinder lock with improved pick resistance. Key retaining security insures key cannot be removed until cabinet is locked.

Includes 2 keys, key holders, cross reference chart and installation hardware.

Stk.	Mfr.	Overall Size	Price
<b>145100</b>	7126D	13"W x 3-1/4"D x 17"H	<b>\$146.00</b>



### Literature Rack

**Durham** Sturdy 20-pocket all steel rack is designed to keep literature upright and eliminate paper curl. Each pocket holds 150 sheets of literature (8-1/2" x 11" ea.) the top 2-1/2" exposed for easy identification. Keyhole slots for easy wall mounting. Gray color.

Overall size 9-3/4"W x 4"D x 58-1/2"H.

Stk.	Mfr.	Pockets	Weight	Price
<b>345050</b>	400-95	20	30 lbs.	<b>\$145.00</b>

**Rack Base** Optional pre-assembled base makes rack freestanding.

<b>345055</b>	408-95-A			<b>\$26.50</b>
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**Dura-Hang Brackets** Optional brackets are adjustable to fit up to 3-3/8" wide office partitions. 2/pkg.

<b>345065</b>	445			<b>\$16.20</b>
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### Oak Rotary Literature Rack

**Safco** 48-Pocket solid wood display rack rotates 360° for easy access to materials. Scoop design allows maximum visibility and easy retrieval.

Overall size 17-3/4"W x 7-3/4"D x 49-1/2"H.

Stk.	Mfr.	Pockets	Weight	Price
<b>770875</b>	4335MO	48	75 lbs.	<b>\$740.00</b>



### Steel Rotary Literature Rack

**Durham** Sturdy 4-sided all steel rack rotates on ball-bearing turntables making all materials easily visible and accessible. When standard 8-1/2" x 11" literature is displayed, the top 2-1/2" is exposed for easy identification. Gray color.

Overall size 14-1/8"W x 14-1/8"D x 60-3/4"H.

Stk.	Mfr.	Pockets	Weight	Price
<b>345060</b>	416-95	80	101 lbs.	<b>\$662.00</b>



### Magazine & Pamphlet Display

**Safco** Reveal™ wall-mountable, see-through display with 18 pockets (1-3/4"D ea). 12 pockets hold pamphlets (4-1/4"W x 9-3/8"H ea.), and 6 pockets hold magazines (9-1/4"W x 11-1/4"H). Thermoformed 1-piece units have no sharp edges or corners.

Overall size 30"W x 2"D x 45"H.

Includes mounting hardware.

Stk.	Mfr.	Pockets	Weight	Price
<b>770882</b>	5600CL	18	12 lbs.	<b>\$325.00</b>



### Wire Mobile File

**Safco** Designed to accommodate letter or legal-size hanging folders and rolls easily on 4 swivel casters (2 locking). Wire steel construction. Black.

Shown w/file folders, not included.

Stk.	Mfr.	Overall Size	Price
<b>770876</b>	5201BL	14"W x 24"D x 20-1/2"H	<b>\$95.50</b>



### 4-Drawer File Cabinet

**Sandusky Lee** Full-drawer extension for easy file retrieval. Steel ball-bearing slide suspension, a single lock secures all drawers.

- Spring-loaded follower block in each drawer
- High drawer sides accommodates files
- Anti-tipping interlocking system allows 1 drawer opening at a time
- All-steel construction w/powder-coated finish

- Label holders for easy identification
- 5-yr. mfr.'s warranty

Includes 2 keys & 4 floor levelers.

**Letter** Overall size 15"W x 26-1/2"D x 52"H

Stk.	Mfr.	Color	Price
<b>770045</b>	VFLT264-07	Putty	<b>\$380.00</b>
<b>770047</b>	VFLT264-05	Dove Gray	<b>\$380.00</b>

**Legal** Overall size 18-1/4"W x 26-1/2"D x 52"H

Stk.	Mfr.	Color	Price
<b>770046</b>	VFLG264-07	Putty	<b>\$414.00</b>
<b>770048</b>	VFLG264-05	Dove Gray	<b>\$414.00</b>



### Full-pull Lateral File Cabinets

**Sandusky Lee** Full-drawer extension on 3 steel telescoping ball-bearing slides. Drawer for letter or legal files uses side-to-side hanging rails (front to back filing requires Cross Bar Kit, sold separately).

- Single lock secures both sides of each drawer

- Rolled-edge drawer sides for rigidity & safety
- Steel, double-wall reinforced drawer fronts for extra stability
- Anti-tipping interlocking system allows 1 drawer opening at a time
- ANSI/BFMA rated
- Powder-coated finish

Overall size 36"W x 19-1/4"D.

Includes 2 keys & 4 adjustable foot glides.

Stk.	Mfr.	Item	Size	Color	Price
<b>770017</b>	LF8F362-07	2 Drawers	29"H	Putty	<b>\$497.00</b>
<b>770018</b>	LF8F364-07	4 Drawers	54"H	Putty	<b>\$853.00</b>
<b>770022</b>	LA99000	Cross Bar Kit			<b>\$25.50</b>



### Lateral File Cabinets

**Mayline** Full-drawer extension on steel ball bearing telescoping slides. Anti-tipping drawer interlock system that allows only 1 drawer open at a time. Full width, recessed drawer pull. Side to side rails support letter, legal or A4 filing. All files ship keyed random. Features

adjustable leveling glides. Counter weight included to meet ANSI/BIFMA stability requirements. Desert Sage.

#### 2-Drawer

Stk.	Mfr.	Overall Size	Price
<b>146049</b>	HLT362	36"W x 18-5/8"D x 28"H	<b>\$614.00</b>

#### 3-Drawer

<b>146050</b>	HLT363	36"W x 18-5/8"D x 40-1/4"H	<b>\$718.00</b>
<b>146053</b>	HLT423	42"W x 18-5/8"D x 40-1/4"H	<b>\$748.00</b>

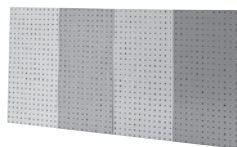
#### 4-Drawer

<b>146051</b>	HLT364	36"W x 18-5/8"D x 52-1/2"H	<b>\$865.00</b>
<b>146054</b>	HLT424	42"W x 18-5/8"D x 52-1/2"H	<b>\$912.00</b>

#### 5-Drawer

<b>146052</b>	HLT365	36"W x 18-5/8"D x 67-5/8"H	<b>\$1,017.00</b>
<b>146055</b>	HLT425	42"W x 18-5/8"D x 67-5/8"H	<b>\$1,089.00</b>

### Tool Board Wall Panels



**Kennedy** Reinforced steel panels with square hole perforations for the heaviest tool storage. Panels can be attached to a variety of surfaces and racks. Durable baked-on finish is chip resistant. Comes in a set of 2 panels.

**Tool Holders (Stk. 492900), sold separately.**

Stk.	Mfr.	Overall Size	Color	Price
<b>492870</b>	50002TX	18"W x 36"H	Tan	<b>\$130.00</b>
<b>492871</b>	50002UGY	18"W x 36"H	Gray	<b>\$130.00</b>

**60-Piece Tool Holder Set Includes** 33 assorted single hooks, 9 assorted double hooks, 4 assorted pliers hooks, 10 assorted spring clips, ring hook, screwdriver unit, wrench rack & Allen key unit.

Stk.	Mfr.	Price
<b>492900</b>	99853	<b>\$192.00</b>

## MOBILE STORAGE



### Interactive Mobile Media Cabinet

**Shain** Solid maple-framed media cabinet with chemical-resistant maple veneer can store, move and allow the use of many electronic devices at 1 time. Light assembly required.

- 2 locking dovetailed drawers (34"W x 18"D x 5"H)

- 2 locking cabinets (34-1/2"W x 19-1/2"D x 19-1/2"H ea.) w/adjustable shelves for projectors, printers, laptops, PCUs & supplies
- Chemical-resistant, easy-clean phenolic resin top w/monitor cutout (21-3/4"W x 17-1/4"D x 1"H)
- View monitor (not included) with flat panel monitor arm or inside cabinet through slip-in Plexiglas panel cover (slip-in Phenolic panel covers monitor opening when Plexiglas panel is not in use)
- Back doors provide venting & access to 8-outlet power-strip
- Features pullout keyboard tray, 2 data ports, extension cord, duplex outlet & inlet plug
  - Cable holes throughout cabinet
- Venting through bottom of cabinet
  - 6 locking swivel caster

Stk.	Mfr.	Overall Size	Price
<b>155007</b>	4544M	72"W x 28"D x 36"H	<b>\$3,297.00</b>



### Plasma / LCD TV Stand

**Sandusky Lee** Fully-enclosed locking cabinet protects a 32" to 46" plasma or LCD flat panel TV. Durable, welded steel construction with embossed doors on top and bottom sections. Sand color powder-coated finish. Vented back.

- Top section opening is 43"W x 30"H

- Tilting universal mount w/hardware
- Mobile w/industrial-grade, patented caster base
- Removable rear panel allows access to equipment, plus 2 lower cord exits

**Shown w/top doors open.**

Stk.	Mfr.	Overall Size	Price
<b>770020</b>	IAPF-462466-04	46"W x 24"D x 72"H (w/casters)	<b>\$1,137.00</b>



### Scoot™ Open Flat Panel Multimedia Cart

**Safco** Securely moves up to 42" flat panel TV or monitor. Rugged steel construction resists damage. Side shelf holds laptop or small equipment. Built-in surge protector (UL listed) helps keep cables contained. Assembly required.

- Detachable, adjustable file pocket to hold presentation materials

- 4 casters (2 locking)
- 2 shelves
- Mfr.'s limited lifetime warranty

**TV not included.**

Stk.	Mfr.	Overall Size	Price
<b>770940</b>	8940BL	39-1/2"W x 27"D x 37-1/2"H	<b>\$655.00</b>



### Mobile Flat Screen Computer Security Cabinet

**Sandusky Lee** Fully-welded flat screen LCD cabinet features upper, lower and rear locking sections, plus roll-out keyboard shelf (20"W x 15-1/2"D x 2"H).

Upper compartment (25-1/4"W x 22-3/4"D x 23-3/4"H) has clear Plexiglas® window (16"W x 15-1/2"H). Tilting VESA mount fits up to 25" flat panel displays. Shipped set up.

- Lower section w/pull-out printer shelf (21"W x 23"D x 24-1/2"H, adjusts on 2" centers)
- 22 ga. steel w/dove gray powder-coated finish
- Wire management & ventilation cut-outs between & behind upper/ lower compartments
  - Cabinet supports 150 lbs.
- Cooling fan
  - 4 heavy-duty 5" locking swivel casters

**Computer equipment not included.**

Stk.	Mfr.	Overall Size	Price
<b>770025</b>	SFDJG2663	26"W x 24"D x 63"H (w/casters)	<b>\$854.00</b>



### Mobile Laptop Cabinet

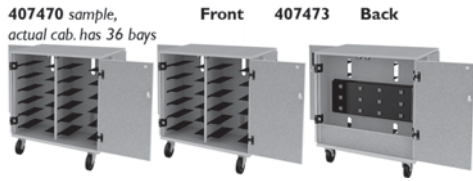
**Mayline** Stores and transports up to 24 laptop computers. Scratch resistant laminate top that offers a convenient work surface. Lockable 2-door cabinet offers secure storage. Perforated steel doors and panels allow proper ventilation while offering an attractive appearance.

Cabinet includes 2 UL-listed multi-socket power strips that provide a total of 24 outlets. Shelves are height adjustable in 1-1/4" increments. 2 push handles for easy steering. Moves easily on heavy duty casters (2 locking). Gray. Assembly required.

**Laptops not included.**

Stk.	Mfr.	Overall Size	Laptop Bays	Price
<b>146005</b>	LC10I	50-1/2"W x 26-1/2"D x 40"H	24	<b>\$979.00</b>

407470 sample, actual cab. has 36 bays



### Solutions Laptop Storage Carts

**Fleetwood** High quality, rugged storage carts for laptops. Light oak laminate body with black edge. Shipped set up.

- Locking doors
- 5" casters
- Mfr.'s full lifetime warranty

**Cabinet Only** 6 full-width laminate shelves & 4 locking casters. Overall size 48"W x 24"D x 36"H.

Stk.	Mfr.	Overall Size	Laptop Bays	Price
407470	28.2000.218.000		36	<b>\$1,213.00</b>

**Cabinet w/Charging Unit** Steel laptop supports, 2 locking & 2 non-locking casters. Overall size 36"D x 24"H. Bay size 14"W x 13"D x 2-3/4"H.

Stk.	Mfr.	Overall Size	Laptop Bays	Price
407471	28.2001.218.000	46"W	18	<b>\$1,989.00</b>
407472	28.2101.218.000	31"W	12	<b>\$1,751.00</b>

**Cabinet w/Dual Bank Charging Unit** Steel laptop supports, 2 locking & 2 non-locking casters. Overall size 46"W x 36"D x 24"H. Bay size 14"W x 13"D x 2-3/4"H.

Stk.	Mfr.	Overall Size	Laptop Bays	Price
407473	28.2201.218.000		30	<b>\$2,617.00</b>



### Mobile Demonstration Bench w/Mirror

**Hann** An ideal bench when space for classroom demonstrations are at a minimum. Constructed of maple framing and birch panels. Natural finish. (Light assembly required).

- Durable plastic laminate top (47-3/4"W x 24"D x 36"H)
- Overhead mirror of tempered glass rotates 360° (28"W x 22-5/8"H)
- Sturdy mirror mounts bolt to bench top

- Master-keyed locking storage door
- 2 adjustable-height Fibersin drop leaves (16"W x 20"D x 13/16"T ea.)
- Heavy-duty brackets on drop leaves (ea. supports an overhead projector)
- 4 master-keyed locking dovetailed drawers
- 5 metal door handles
- 2 adjustable storage shelves
- Hand built 1 at a time

Overall size (w/drop leaves open) 79-3/4"W x 24"D x 36"H (w/out mirror).

**Includes** mirror, hardware & 5" locking swivel casters.

Stk.	Mfr.	Price
439275	BC-148MD	<b>\$1,560.00</b>

### Mobile Demonstration Cabinets



**Shain** Use as an instructor's demonstration bench during classroom activities, and to secure equipment and supplies. Maple plywood cabinet easily rolls on 4" locking swivel casters. Earth-friendly, UV finish. Shipped set-up.

- 1/1/4"T Chemguard Top
- 1 adjustable shelf

Overall size 36"W x 24"D x 33"H.

Stk.	Mfr.	Item	Price
155882	MDC-2436C	Open Cabinet	<b>\$651.00</b>
155957	EMDC-2436C	Cabinet w/Locking Doors	<b>\$890.00</b>



### Mobile Art Storage Cabinet

**Hann** Features 4 drawers and a cupboard with 4 shelves. Mobile unit is furnished with 2 large tote trays and locking casters. Fibersin top is 1-1/4" thick. Natural finish.

Stk.	Mfr.	Overall Size	Price
439256	AC-137M	36"W x 24"D x 37-1/4"H	<b>\$912.00</b>



### Mobile Shop Cart

**Hann** Portable unit is ideal for a variety of shop applications, such as woodworking, tech ed and arts and crafts. Constructed of maple framing and birch paneling with natural finish. 1-3/4"T maple top can support vises (sold separately). Right end is fitted with 1/4" pegboard and hooks for tool mounting.

Supplied with 4" casters and brakes. 2 locking drawers and double locking doors with 1 adjustable shelf.

Stk.	Mfr.	Overall Size	Price
439535	WRB-2	36"W x 22"D x 34"H	<b>\$1,063.00</b>



### Mobile Oak Cabinets

**SMI** Practical, versatile mobile organizers help keep all your supplies in 1 ready-to-use cabinet (taboret). Constructed of highest quality oak and oak veneers then finished with clear lacquer. Drawers have tempered hard bottoms and polished brass pulls.

**Includes** 4 heavy-duty 2-wheel casters (2 locking) & drawer pulls.

**Classic Style** Traditional design w/2" raised wood rails around top. Overall size 17-3/8"W x 17-5/8"D.

Stk.	Mfr.	Item	Drawer Size	Price
832000	TB500	5 Drawers, 1-3/4", 1 @ 4-1/2", 1 @ 7-1/11/16"	13-1/2"W x 13-3/4"D (3 @ 27-1/2"H)	<b>\$450.00</b>
832010	TB700T	7 Drawers, 1-3/4", 3 @ 3-1/2", 1 @ 7-1/11/16"	13-1/2"W x 13-3/4"D (3 @ 37-1/2"H)	<b>\$660.00</b>

**Vanguard Style** Contemporary, stackable, holds media up to 13" x 19". Overall size 22-1/4"W x 16-1/2"D x 27"H.

Stk.	Mfr.	Item	Drawer Size	Price
832015	TB700	7 Drawers (6 @ 1-3/4", 1 @ 4-5/8")	19-3/4"W x 13-1/2"D	<b>\$518.00</b>



### Mobile 24-Tote Tray Cabinets

**Shain** Maple plywood locking cabinet keeps materials organized and secure. Constructed of maple framing and panels w/4" locking swivel casters. Earth-friendly, UV finish.

Overall size 47"W x 22"D x 51"H.

### Open Cabinet

Stk.	Mfr.	Trays	Tray Size	Price
155942	MTTC-4824	24	14-1/2" x 19" x 3-1/2"	<b>\$1,629.00</b>

### Cabinet w/Locking Doors

Stk.	Mfr.	Trays	Tray Size	Price
155985	MTTC-4824WD	24	14-1/2" x 19" x 3-1/2"	<b>\$1,653.00</b>

**Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!**



**Mobile 24-Tote Tray Storage Cabinet**

**Hann** Ideal cabinet for arts and crafts rooms or labs. Constructed of maple framing and panels with 5" locking swivel casters. Natural finish. Hand built 1 at a time. Shipped set-up.  
Overall size 48"W x 22"D x 47"H.

**Open Cabinet**

Stk.	Mfr.	Trays	Tray Size	Price
<b>439370</b>	SC-4824	24	13-1/4"W x 19"D x 3-1/2"H	<b>\$1,360.00</b>

**Cabinet w/Locking Doors**

<b>439371</b>	SC-4824WD	24	13-1/4"W x 19"D x 3-1/2"H	<b>\$1,480.00</b>
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**Mobile 12-Tote Tray Cart**

**Hann** Sturdy cart features fully welded front and rear steel frames w/casters. Tote tray runners allow trays to be partially opened and accessed without falling out. Cart's lipped top is perfect for transporting additional tote trays and supplies.

Overall size 41"W x 17"D x 29"H.

Stk.	Mfr.	Trays	Tray Size	Price
<b>439325</b>	MSTT-212W	12	16"W x 16"D x 3"H	<b>\$833.00</b>



**Sheerline Mobile Cabinets**

**Fleetwood** High quality, rugged cabinets. Provides extra cabinet space in classrooms to storage for science experiments or art projects, to teacher cabinets that move from classroom to classroom throughout the day. Light oak laminate with black frame and edge. Shipped set-up.

- Steel reinforced cabinet to stand up in more intense-use situations
- Welded steel U-Frame end assembly construction; steel supports for top & bottom
- 5" non-locking swivel casters centered in outside frame for greater stability
- Mfr.'s full lifetime warranty • 3/4" laminate panels

**Tote Tray Cabinets Cabinet with high impact plastic trays.**

Stk.	Mfr.	Overall Size	Trays	Price
<b>407422</b>	15.4200.118.120	48"W x 22"D x 34"H	12	<b>\$1,120.00</b>
<b>407423</b>	15.4200.118.200	48"W x 22"D x 34"H	20	<b>\$1,315.00</b>

**Tote Tray Cabinet w/Doors Cabinet with locking doors & high impact plastic trays.**

<b>407426</b>	15.4300.118.270	48"W x 22"D x 60"H	27	<b>\$2,175.00</b>
<b>407427</b>	15.4300.118.450	48"W x 22"D x 60"H	45	<b>\$2,553.00</b>

**Cabinet w/Sliding Doors Cabinet with 1 adjustable shelf and sliding non-locking doors.**

<b>407430</b>	15.2634.118.000	48"W x 22"D x 34"H		<b>\$882.00</b>
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**Cabinets w/Doors & Drawer Cabinet with non-locking drawer, sliding non-locking doors, steel shelves and drawers.**

<b>407420</b>	15.2100.118.000	48"W x 22"D x 34"H		<b>\$983.00</b>
<b>407421</b>	15.2200.118.000	48"W x 28"D x 34"H		<b>\$1,075.00</b>

**Cabinets w/Doors Cabinet with 5 adjustable steel shelves and locking doors.**

<b>407440</b>	15.5036.118.000	36"W x 22"D x 72"H		<b>\$1,470.00</b>
<b>407441</b>	15.5038.118.000	48"W x 22"D x 72"H		<b>\$1,624.00</b>



**Mobile Storage Cabinet**

**Hann** Heavy-duty cabinet constructed of maple framing and panels. Cabinet includes 3 full-width adjustable shelves. 3/4"T hardwood panel overlay doors. Shipped set-up.

- Master-keyed locking doors
- Three 270° hinges on each door
- 4" locking casters
- Hand built 1 at a time
- 2 recessed door handles
- Natural finish

Overall size 48"W x 22"D x 66"H.

Stk.	Mfr.	Price
<b>439350</b>	SC-200M	<b>\$1,440.00</b>

**Mobile Storage Cabinet w/8 Tote Trays**



**Hann** Heavy-duty cabinet constructed of maple framing and panels. Cabinet includes 1 full-width shelf, 2 adjustable shelves (30"W) and 7 hardboard shelves. 3/4"T hardwood panel overlay doors. Shipped set-up.

- Master-keyed locking doors
- Three 270° hinges on each door
- 4" locking casters
- Hand built 1 at a time
- 2 recessed door handles
- Natural finish

**Includes** 8 trays (12-1/4"W x 3"H x 16-3/4"L).

Stk.	Mfr.	Price
<b>439353</b>	SC-231TTM	<b>\$1,665.00</b>



**Mobile Storage Cabinet w/8 Tote Trays & Pegboard**

**Hann** Heavy-duty cabinet constructed of maple framing and panels. Cabinet includes pegboard, 3 full-width shelves (2 adjustable & 1 fixed) and 8 tote trays. 3/4"T hardwood panel overlay doors.

- Master-keyed locking doors
- Three 270° hinges on each door
- 4" locking casters
- Hand built 1 at a time
- 2 recessed door handles
- Natural finish

**Includes** 5 medium & 3 large tote trays.

Stk.	Mfr.	Price
<b>439440</b>	TS-200M	<b>\$1,530.00</b>

**Mobile Storage Cabinet w/24 Tote Trays**



**Hann** Heavy-duty cabinet constructed of maple framing and panels. Cabinet includes 1 full-width shelf. 3/4"T hardwood panel overlay doors. Shipped set-up.

- Master-keyed locking doors
- Three 270° hinges on each door
- 4" locking casters
- Hand built 1 at a time
- 2 recessed door handles
- Natural finish

**Includes** 24 tote trays (13-3/4"W x 3"H x 19"L).

Stk.	Mfr.	Price
<b>439352</b>	SC-230TTM	<b>\$1,935.00</b>



### Extra Large Mobile Cabinet

**Shain** Maple plywood cabinet with 2 fixed & 2 adjustable shelves. 3-point locking doors. Unit moves easily on 4" locking swivel casters. Earth-friendly, UV finish. Shipped set-up.

Stk.	Mfr.	Overall Size	Price
<b>155875</b>	MSSC-200	48"W x 22"D x 66"H	<b>\$1,198.00</b>



### Mobile Cabinet w/5 Shelves

**Fleetwood** Rugged mobile shelf cabinets with full width doors and 4 non-locking casters. Provides extra cabinet space that may be moved from classroom to classroom. Light oak laminate with light oak laminate trim. Shipped set up.

- 270° hinged doors
  - All shelves are adjustable
  - 5" non-locking swivel casters
  - Panel-on-panel laminate construction
  - Mfr.'s full lifetime warranty
- Overall size 48"W x 68"H x 24"D.

Stk.	Mfr.	Item	Price
<b>407500</b>	97.1183.101.000	Cabinet w/Non-locking Doors	<b>\$1,236.00</b>
<b>407501</b>	97.1183.101.002	Cabinet w/Locking Doors	<b>\$1,268.00</b>



### Double Drawer Metal Cart

**Edsal** Designed with maximum rigidity, allowing drawers to operate easily under any condition. Drawers measure 15"W x 23"D x 4-5/8"H. Recessed handles w/padlock attachment (*padlocks sold separately*) Four 3" dia. swivel casters. Tough powder-coat industrial gray finish. All steel components.

Shown with supplies, sold separately.

Stk.	Mfr.	Overall Size	Price
<b>379680</b>	TT1824-2	18"W x 24"D x 34-1/2"H	<b>\$294.00</b>



### Book Trucks

**Sandusky Lee** Single-sided cart features 3 sloped shelves (12"H ea.). All-welded steel for strength to store and transport books, reference materials, binders, videos, etc. Putty color. Meets ANSI/BIFMA Standards.

Stk.	Mfr.	Overall Size	Price
<b>770027</b>	SL33017-07	17"W x 13"D x 42"H	<b>\$308.00</b>
<b>770028</b>	SL327-07	27"W x 13"D x 42"H	<b>\$314.00</b>



### Metal Service Carts

**Tennsco** Rugged cart constructed of 16 ga. steel support brackets and 20 ga. steel trays with 3/8" lip for extra strength. Assembly required.

- Reversible top/bottom trays (ea. 3-1/4"H) provide flat work surface
- 5" hard rubber wheels (2 swivel, 2 fixed) for 360° turns
- 500 lb. capacity.

Stk.	Mfr.	Overall Size	Price
<b>892660</b>	SC-1630	16"W x 30"D x 32"H	<b>\$146.00</b>
<b>892661</b>	SC-2436	24"W x 36"D x 32"H	<b>\$184.00</b>



### Resin Service Carts

**JET** Heavy-duty resin construction resists dents, chips and rust. Handle has built-in storage bins. Rounded corners protect walls and furniture from nicks. 5" quiet, non-marking casters. 550 lb. capacity.

Stk.	Mfr.	Overall Size	Price
<b>485990</b>	PUC-3117	39-3/4"W x 17-1/8"D x 33-1/2"H	<b>\$207.00</b>
<b>485991</b>	PUC-3725	46"W x 25-5/8"D x 33-1/2"H	<b>\$259.00</b>



### Heavy-duty Resin Utility Cart

**Craftsman** Cart stands up in harsh environments and won't scratch or mar surfaces. Two 3"D shelves keep tools in place. Molded handle and 5" casters. 300 lb. capacity. Assembly required.

Stk.	Mfr.	Overall Size	Price
<b>305782</b>	59732	34-1/2"W x 17-1/2"D x 33-3/4"H	<b>\$206.00</b>

## LOCKERS



### Citadel Multiple Tier Lockers

**Edsal** Lockers are constructed of 24 and 18 ga. steel, with all steel components. Industrial powder-coated gray finish. Assembly required.

- Pin-type hinges are securely welded to frame & secured to doors w/2 fasteners
- Individual compartment doors feature a strong steel hasp assembly
- Ventilation louvers
- Built-in cylinder lock &/or padlock secures doors
- All doors are right-hand hinged

**Padlock, locks & number plates sold separately.**

**12" x 12" x 12" Locker Openings** Overall size 36"W x 12"D.

Stk.	Mfr.	Lockers	Tiers	Sections	Overall Size	Price
<b>379661</b>	CL5103GY	15	5	3	60"H	<b>\$762.00</b>
<b>379665</b>	CL5123GY	18	6	3	72"H	<b>\$893.00</b>

**12" x 15" x 12" Locker Openings** Overall size 36"W x 15"D.

Stk.	Mfr.	Lockers	Tiers	Sections	Overall Size	Price
<b>379663</b>	CL5113GY	15	5	3	72"H	<b>\$776.00</b>
<b>379667</b>	CL5133GY	18	6	3	72"H	<b>\$915.00</b>

### Number Plate



**Edsal** Polished aluminum plates w/black numbers. Easily attaches to single tier, double tier & box lockers. **For Citadel lockers only.**

Stk.	Mfr.	Price
<b>379700</b>	X100	<b>\$1.16</b>

### Manual Locking Deadbolt



**Master Lock** Designed for lift handle, turn handle and single point latch/box horizontal latch locker doors with hinges on right. Manual deadbolt locking. Secure, easy to dial 3-digit combination. Longer useful life with 5 different pre-set combinations; easily changed to maintain security. Locks are shipped directly from factory.

**Please specify series number if maintaining control w/present master key.**

Stk.	Mfr.	Item	Price
<b>145335</b>	1670		<b>\$20.10</b>
<b>145402</b>	1670K	Control Key	<b>\$4.50</b>





### Flat Key Lock

**Edsal** Built-in grooved lock w/2 keys.

**Fits single & double tier Citadel lockers only.**

Stk.	Mfr.	Price
<b>379580</b>	1710	<b>\$30.10</b>



### Combination Locks

**Master Lock** BlockGuard® Anti-Shim Technology withstands attempts to violate the latch mechanism. Includes combination chart to facilitate lock system administration. Double-reinforced stainless steel body withstands abuse. Hardened steel shackle for extra cut resistance. 3-number dialing with automatic scrambling feature to prevent reopening of lock.

**For security reasons, all Master combination locks are shipped direct from factory.**

#### Non-Keyed Lock

Stk.	Mfr.	Body	Shackle	Price
<b>145067</b>	I502	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	<b>\$7.34</b>

**Keyed Lock** For supervisory access. Keyed Lock does not include Control Key. Please specify series number if trying to maintain control by present master key.

<b>145134</b>	I525	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	<b>\$8.22</b>
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#### Control Key

<b>145000</b>	I525K			<b>\$4.49</b>
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### Laminated Padlocks

**Master Lock** Commercial grade padlocks feature superior protection from drilling and prying. Laminated steel body for superior strength. Hardened steel shackle for superior cut resistant. Dual locking levers provide extra pry resistance. Non-rekeyable cylinder helps prevent picking.

**Please specify Series No. if maintaining control w/present master key, may be priced slightly higher.**

**No. 7** Hardened boron shackle. Body 1-1/8"W.

Shackle 3/16" dia. x 9/16"H x 1/2"W. Cylinder 4-pin W7.

Stk.	Mfr.	Item	Series No.	Price
<b>144984</b>	7	Keyed Different		<b>\$9.09</b>
<b>144987</b>	7KA	Keyed Alike	P605	<b>\$10.30</b>
<b>144988</b>	7MK	Master Keyed	M30	<b>\$15.10</b>
<b>144986</b>	K7	Master Key Only	M30	<b>\$4.38</b>

**No. 3** Body 1-9/16"W. Shackle 9/32" dia. x 3/4"H x 5/8"W.

Cylinder 4-pin W1.

<b>144980</b>	3	Keyed Different		<b>\$10.40</b>
<b>144981</b>	3KA	Keyed Alike	3769	<b>\$12.60</b>
<b>144982</b>	3MK	Master Keyed	SM742	<b>\$17.40</b>
<b>144970</b>	K1	Master Key Only	SM742	<b>\$4.38</b>

**No. 1** Body 1-3/4"W. Shackle 5/16" dia. x 15/16"H x 3/4"W.

Cylinder 4-pin W1.

<b>144950</b>	1	Keyed Different		<b>\$12.60</b>
<b>144951</b>	1KA	Keyed Alike	2510	<b>\$12.50</b>
<b>144952</b>	1KAMK	Master Keyed	AF	<b>\$18.10</b>
<b>144953</b>	K1	Master Key Only	AF	<b>\$4.38</b>

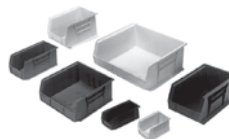
**No. 15** Body 2-1/2"W. Shackle 7/16" dia. x 1-1/4"H x 1-3/16"W.

Cylinder 5-pin W15.

<b>144990</b>	I5	Keyed Different		<b>\$27.20</b>
<b>144991</b>	I5KA	Keyed Alike	10N150	<b>\$28.20</b>
<b>144992</b>	I5MK	Master Keyed	M80	<b>\$31.70</b>
<b>144993</b>	K15	Master Key Only	M80	<b>\$4.38</b>

## BIN STORAGE SYSTEMS

### AkroBins®

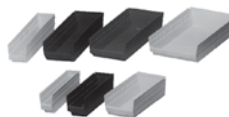


**Akro-Mils** Designed to hang from Akro-Mils racks, panels, rails and carts. Heavy-duty polypropylene bins are unaffected by weak acids and alkalis. Autoclavable up to 250°F. Large label slot and full-width hanger lip supports bin when suspended from panels or racks

to hold heavy loads. Reinforced ribs add strength and prevent spreading. Extra-wide stacking ledge assures stability. Anti-slide stop prevents stacked bins from shifting forward. Curved bottoms at front allow easy retrieval of small items.

Stk.	Mfr.	Overall Size	Price
<b>194265</b>	30-210	5-3/8"L x 4-1/8"W x 3"H	<b>\$2.67</b>
<b>194266</b>	30-220	7-3/8"L x 4-1/8"W x 3"H	<b>\$4.77</b>
<b>194267</b>	30-230	10-7/8"L x 5-1/2"W x 5"H	<b>\$12.00</b>
<b>194268</b>	30-235	10-7/8"L x 11"W x 5"H	<b>\$18.50</b>
<b>194269</b>	30-239	10-3/4"L x 8-1/4"W x 7"H	<b>\$19.90</b>
<b>194270</b>	30-240	14-3/4"L x 8-1/4"W x 7"H	<b>\$23.70</b>
<b>194271</b>	30-250	14-3/4"L x 16-1/2"W x 7"H	<b>\$27.70</b>

### Shelf Bins

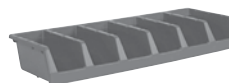


**Akro-Mils** Polypropylene 1-piece molded bins are seamless, waterproof and unaffected by grease or oil. Built-in hang lock allows bin to tilt out for complete access. Convenient front handle contains a molded-in label holder. Edges

are reinforced for additional strength. Shelf Bins nest when empty to save space. Bins are blue.

Stk.	Mfr.	Overall Size	Price
<b>194273</b>	30-110	11-5/8"L x 2-3/4"W x 4"H	<b>\$3.48</b>
<b>194274</b>	30-120	11-5/8"L x 24-1/8"W x 4"H	<b>\$3.84</b>
<b>194276</b>	30-130	11-5/8"L x 26-5/8"W x 4"H	<b>\$6.03</b>
<b>194279</b>	30-150	11-5/8"L x 28-3/8"W x 4"H	<b>\$6.48</b>
<b>194275</b>	30-128	17-7/8"L x 4-1/8"W x 4"H	<b>\$5.22</b>
<b>194277</b>	30-138	17-7/8"L x 6-5/8"W x 4"H	<b>\$7.38</b>
<b>194280</b>	30-158	17-7/8"L x 8-3/8"W x 4"H	<b>\$10.20</b>
<b>194281</b>	30-164	24-5/8"L x 6-5/8"W x 4"H	<b>\$14.80</b>

### System Bins™



**Akro-Mils** Six-bin unit increases efficiency and shortens assembly time when separating and sorting parts. Units work with all Akro-Mils' racks, carts, and shelves (*sold separately*). Sturdy,

1-piece injection molded unit offers interior double-wall construction. Smooth surfaces are easy to fill, handle and clean. Blue.

Stk.	Mfr.	Overall Size	Price
<b>194303</b>	30312	12"L x 33"W x 5"H	<b>\$25.90</b>
<b>194304</b>	30318	18"L x 33"W x 5"H	<b>\$36.00</b>

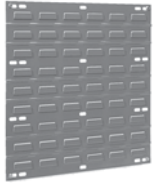
### InSight® Clear Storage Bins



**Akro-Mils** Ultra-clear bin provides easy and maximum visibility to users in a sleek, modern design. Ideal for a variety of storage settings from industrial to healthcare.

- Stack, place on shelving or hang on Akro-Mils rails & louvered panels
- Made of durable polycarbonate material
- Autoclavable
- Large label area

Stk.	Mfr.	Overall Size	Capacity	Price
<b>194305</b>	305A1	5-3/8"L x 4-1/8"W x 3-1/4"H	10 lbs.	<b>\$7.62</b>
<b>194306</b>	305A3	7-3/8"L x 4-1/8"W x 3-1/4"H	10 lbs.	<b>\$8.75</b>
<b>194307</b>	305A5	10-7/8"L x 4-1/8"W x 3-1/4"H	10 lbs.	<b>\$11.70</b>
<b>194308</b>	305B1	10-7/8"L x 5-1/2"W x 5-1/4"H	25 lbs.	<b>\$17.80</b>



### Louvered Panels

**Akro-Mils** Attach panels to walls and shelving, plus mount on benches, carts, inside cabinets, fastened to slotted angle components or truck interiors. Fastens securely to assure adequate load-bearing strength.

Qty. of Shelf Bins to fit panel, shown below.

#### Size 18"L x 19"H

Stk.	Mfr.	30-210	30-220	30-230	30-235	30-236	30-240	30-250	Price
194288	30-618	16	16	9					\$33.80

#### Size 35-3/4"L x 19"H

194289	30-636	32	32	18	9	8	8	4	\$44.70
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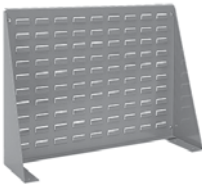
### Steel Rail

**Akro-Mils** AkroBins are easily removed and rehung on these wall-mounted rails, providing easy access. Accepts 4 AkroBin sizes (up to 11 bins).

Qty. of Shelf Bins to fit rail, shown below.

Overall size 48"L x 3"H.

Stk.	Mfr.	30-210	30-220	30-230	30-235	Price
194278	30-148	11	11	8	3	\$33.30



### Louvered Bench Rack

**Akro-Mils** Ideal for workstations. Accepts 4 sizes of AkroBins.

Qty. of Shelf Bins to fit rack, shown below.  
Overall size 27-3/4"L x 8"W x 21"H.

Stk.	Mfr.	30-210	30-220	30-230	30-235	Price
194284	98-600	24	24	12	6	\$78.20



### Mobile Bin Cart

**Akro-Mils** Steel work-surface top (16 ga.) creates a movable work area or repair station. Accepts 7 sizes of AkroBins.

Qty. of Shelf Bins to fit cart, shown below.  
Overall size 38-1/2"L x 24"W x 36-1/2"H.

**Includes** Mobile Kit.

Stk.	Mfr.	30-210	30-220	30-230	30-235	30-236	30-240	30-250	Price
194283	30-812	96	96	48	24	24	24	12	\$648.00



### 16 Rail Bin Rack

**Akro-Mils** Complete, expandable storage/organizer systems for small to medium-sized parts and components. Bins are easily removed and rehung on rails for easy access. Single-sided bin racks are designed to be used along walls. Double-sided racks form islands and can be made mobile with the addition of the Mobile Kit (sold separately).

Qty. of Shelf Bins to fit rack, shown below.

**1-Sided** Overall size 36"L x 14-1/8"W x 53"H. Capacity 250 lbs.

Stk.	Mfr.	30-210	30-220	30-230	30-235	30-236	30-240	30-250	Price
194286	30-008	96	96	48	24	24	24	12	\$289.00

**2-Sided** Overall size 36"L x 20"W x 53"H. Capacity 500 lbs.

194287	30-016	192	192	96	48	48	24	\$299.00
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**Mobile Kit** For 2-Sided Rack.

Stk.	Mfr.	Price
194282	30-424	\$171.00



### Pick Rack System

**Akro-Mils** Easy-to-assemble racks provide convenient, high-density storage. Angled shelves keep small parts in the front of the bins for easy viewing and picking. Available as bench, free-standing and mobile units. Baked-enamel gray racks with yellow bins.

**Includes** bins.

**1-Sided** Overall size 36"L x 12"W x 21"H.

Bin size 11-5/8"L x 8-3/8"W x 4"H.

Stk.	Mfr.	Shelves	Bins	Price
194298	APRBENCH150	3	12	\$292.00

**2-Sided** Overall size 36"L x 24"W x 60"H.

Bin size 11-5/8"L x 6-5/8"W x 4"H.

Stk.	Mfr.	Shelves	Bins	Price
194299	APRDI30Y	16	80	\$960.00

**Mobile Kits** For 2-Side Rack.

Stk.	Mfr.	Price
194300	APRDMOBILE	\$261.00



### Bin Rack Assemblies

**Edsal** Heavy-duty steel shelving units combined with easy-clean polystyrene parts bins are unaffected by most chemicals or oils. Mobile unit rolls on 3" dia. casters.

**Includes** bins.

**7-Shelf Racks** Overall size 36"W x 12"D x 42"H.

Stk.	Mfr.	Bins	Bin Size	Price
379678	PB311	24	12"L x 8"W x 4"H	\$233.00
379677	PB310	48	12"L x 4"W x 4"H	\$275.00

**13-Shelf Racks, 12"D** Overall size 36"W x 12"D x 75"H.

Stk.	Mfr.	Bins	Bin Size	Price
379675	PB308	72	12"L x 8"W x 4"H	\$481.00
379676	PB309	72	(48) 12"L x 4"W x 4"H, (24) 12"L x 8"W x 4"H	\$523.00
379673	PB306	96	12"L x 4"W x 4"H	\$565.00

**13-Shelf Rack, 18"D** Overall size 36"W x 18"D x 75"H.

Stk.	Mfr.	Bins	Bin Size	Price
379674	PB307	96	12"L x 4"W x 4"H	\$782.00

**16-Shelf, 2-Sided Mobile Rack** Overall size 36"W x 26"D x 65"H.

Stk.	Mfr.	Bins	Bin Size	Price
379679	PB320	112	(96) 12"L x 4"W x 4"H, (16) 12"L x 8"W x 4"H	\$1,030.00

## SMALL PARTS STORAGE



### Portable Organizer

**Stanley** High impact, break resistant crystal clear lid. Unique lid design keeps storage cups locked in place. Removable cup compartments in 3 different sizes. Extra wide handle designed for gloved hands.

Stk.	Mfr.	Size	Bins	Price
841015	014725R	16-1/4"L x 13-1/2"W x 2-1/8"H	25	\$24.00



### Portable Organizers

**Akro-Mils** 2-part case keeps items separate when lid is shut. Lid area holds small parts, main compartment stores larger items. Features adjustable and removable dividers, clear lid, snap locks and handle. Built-in feet hold case upright.

Stk.	Mfr.	Size	Bins	Price
<b>194245</b>	06115	11-15/16"W x 15"L x 3-1/4"H	11-46	<b>\$32.00</b>
<b>194246</b>	06118	13-3/8"W x 18-1/4"L x 3-3/8"H	12-62	<b>\$41.50</b>



### Plastic Panel Bins

**Safco** Highly visible bins are virtually unbreakable and securely snap closed. 5 lb. capacity per bin. Easy access spring-loaded covers keep bins open while in use. Space for labeling. No assembly required.

Stk.	Mfr.	Overall Size	Bins	Price
<b>770884</b>	6110BL	18-1/2"W x 5-1/4"D x 20-1/2"H	9	<b>\$77.50</b>
<b>770886</b>	6112BL	34"W x 5-1/4"D x 20-1/2"H	18	<b>\$138.00</b>
<b>770885</b>	6111BL	34"W x 5-1/4"D x 33"H	30	<b>\$201.00</b>



### Plastic Parts Cabinet

**Akro-Mils** Unbreakable drawers and sturdy frames offer more storage space. Rugged, high impact polystyrene frame resists damage. See through polypropylene drawers are flexible, strong and chemical resistant.

- 2-color frame back interlocks into cabinet's face for strength
- Stackable or wall mountable
- Dividers are molded into cabinet back, simply cut to remove
- 16-drawer cabinet w/8 dividers, others have 8 small/4 large dividers

Stk.	Mfr.	Overall Size	Drawers	Price
<b>194293</b>	10716	6-3/4"L x 10-1/2"W x 8-1/2"H	16	<b>\$23.80</b>
<b>194294</b>	10724	6-3/4"L x 20"W x 15-13/16"H	24	<b>\$43.60</b>
<b>194295</b>	10726	6-3/4"L x 20"W x 10-1/3"H	26	<b>\$38.70</b>
<b>194296</b>	10744	6-3/4"L x 20"W x 15-13/16"H	44	<b>\$44.80</b>
<b>194297</b>	10764	6-3/4"L x 20"W x 15-13/16"H	64	<b>\$50.00</b>



### Steel Drawer Storage Units

**Durham** Prime cold-rolled steel units with rust and acid-resistant gray baked enamel finish. Sturdy vertical supports. Embossed mounting holes for stacking. Drawers feature 2 smooth-

travel runners, positive stops to avoid accidental pull-out, super interlock design, full width handles and slotted sides to hold snap-in dividers.

**Includes** 2 high-impact dividers for each drawer.

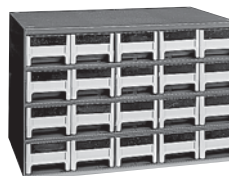
**Large Drawer** Drawer size 5-3/8"W x 11-1/4"D x 2-3/4"H.

Stk.	Mfr.	Overall Size	Drawers	Price
<b>344949</b>	005-95	11-5/8"W x 33-3/4"D x 10-7/8"H	18	<b>\$190.00</b>
<b>344950</b>	006-95	11-5/8"W x 17-1/4"D x 21-1/4"H	18	<b>\$210.00</b>
<b>344951</b>	007-95	11-5/8"W x 33-3/4"D x 14-3/8"H	24	<b>\$236.00</b>

**Jumbo Drawer** Drawer size 5-3/8"W x 17"D x 3-1/2"H.

Stk.	Mfr.	Overall Size	Drawers	Price
<b>344960</b>	032-95	17-1/4"W x 33-3/4"D x 12-7/8"H	18	<b>\$368.00</b>

### Steel Parts Cabinet



**Akro-Mils** Stackable cabinets feature heavy-duty welded steel frame with charcoal gray baked enamel, chip-proof finish. Gray high-impact polystyrene drawers.

- Molded-in label holders for easy identification
- Removable dividers to partition each drawer into compartments

- Drawers may be removed & taken to work areas
- Rear stop tab prevents contents from spilling
- Transparent windows for instant visual inventory of contents
- Virtually unbreakable, lightweight, plus rust, dent & corrosion proof
- No sharp edges to damage stored items

**Heavy-duty Locking Cabinet** Overall size 11"L x 17"W x 11"H.

Stk.	Mfr.	Drawers	Drawer Size	Price
<b>194259</b>	19-109	9	5-3/16"W x 3-1/16"H	<b>\$243.00</b>

**Heavy-duty** Overall size 11"L x 17"W x 11"H.

Stk.	Mfr.	Drawers	Drawer Size	Price
<b>194264</b>	19-909	9	5-3/16"W x 3-1/16"H	<b>\$180.00</b>
<b>194262</b>	19-416	16	4"W x 2-1/8"H	<b>\$192.00</b>
<b>194263</b>	19-715	15	3-3/16"W x 3-1/16"H	<b>\$189.00</b>
<b>194261</b>	19-320	20	3-3/16"W x 2-1/8"H	<b>\$192.00</b>
<b>194260</b>	19-228	28	2-3/16"W x 2-1/16"H	<b>\$194.00</b>

**Light-duty** Overall size 6"L x 18"W x 9-1/2"H.

Stk.	Mfr.	Drawers	Drawer Size	Price
<b>194257</b>	17-018	18	2-3/4"W x 2-1/2"H	<b>\$121.00</b>



### Bin Storage Units

**Durham** Heavy-duty units made of prime cold rolled steel will not warp, twist or sag. Each shelf has a fully hemmed 1-1/8" turn on the front providing space for labels. Dividers are hemmed to avoid sharp edges with vertical ribs for added strength. Gray baked enamel finish.

Stk.	Mfr.	Overall Size	Openings	Price
<b>345001</b>	344-95	33-3/4"W x 8-1/2"D x 19-1/4"H	32	<b>\$137.00</b>
<b>345002</b>	349-95	33-3/4"W x 8-1/2"D x 22-1/4"H	40	<b>\$145.00</b>
<b>345010</b>	363-95	33-3/4"W x 12"D x 42"H	72	<b>\$232.00</b>



### Roto-Shelf Mobile Storage Unit

**Akro-Mils** Mobile storage unit with industrial wheels moves easily to various work areas. Ideal for assembly components. 4 easy-access shelves rotate on an independent central steel post. Each heavy-duty, structural foam shelf has 6 compartments. Gray.

Stk.	Mfr.	Overall Size	Price
<b>194240</b>	02420	19-7/8"D x 37-1/2"H	<b>\$301.00</b>

## STORAGE RACKS & SHELVING



### Grip Clip Organizers

**Lehigh** For hanging lawn and garden tools, brooms and mops. Spring steel clips keep original shape.

**Includes** wood screws.

Stk.	Mfr.	Holds	Capacity	Qty.	Price
<b>943185</b>	13200	3/8" to 5/8" dia.	10 lbs.	5	<b>\$3.72</b>
<b>943184</b>	13201	3/4" to 1-1/8" dia.	25 lbs.	4	<b>\$3.96</b>

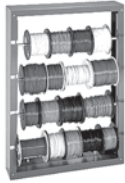


### Tool Rack

**Akro-Mils** Multilevel rack stores twice the tools in half the space. Durable polypropylene will not bend or warp. 96 tool slots. Red. Mounting hardware not included.

Shown w/tools, sold separately.

Stk.	Mfr.	Price
<b>194292</b>	08-024	<b>\$9.54</b>



### Wire Spool Racks

**Durham** Prime cold-rolled steel rack with rust and acid-resistant gray baked enamel finish. Polished steel 5/8" dia. rod(s). Keyhole slots for wall mounting.

Rack shown w/wire, sold separately.

**1 Rod** Includes handle for easy transport.

Stk.	Mfr.	Overall Size	Price
<b>345018</b>	383-95	26-1/8"W x 5-7/8"D x 14"H	<b>\$84.70</b>

**2 Rods**

Stk.	Mfr.	Overall Size	Price
<b>345019</b>	384-95	26-1/8"W x 5-7/8"D x 21-1/2"H	<b>\$90.60</b>

**4 Rods** Holds up to 10" dia. spools

Stk.	Mfr.	Overall Size	Price
<b>345013</b>	368-95	26-1/8"W x 5-7/8"D x 36-1/2"H	<b>\$99.90</b>



### Clamp Rack Sets

**Steelex** Wall-mountable heavy gauge steel racks with durable powdercoat finish. Mounting holes are 16" on-center to fit standard stud spacing. 1/2" mounting slots at 21-3/4" on-center.

Mounting screws & clamps, sold separately.

**Pipe Clamp Rack Set** Fits 1/2" & 3/4" pipe clamps. Holds 9 clamps.

Stk.	Mfr.	Size	Qty.	Price
<b>785776</b>	D4345	24-5/8"L x 4-3/16"D x 3-1/2"H	3	<b>\$60.00</b>

**Parallel Clamp Rack Set** Fits most parallel clamps. Holds 12 clamps.

Stk.	Mfr.	Size	Qty.	Price
<b>785777</b>	D4346	24-5/8"L x 3"D x 3-5/16"H	3	<b>\$55.00</b>

**F-Clamp Rack Set** Fits most F-clamps. Holds 15 clamps.

Stk.	Mfr.	Size	Qty.	Price
<b>785778</b>	D4347	24-5/8"L x 2-5/8"D x 3-1/4"H	3	<b>\$55.00</b>

**Clamp Rack Set** Includes 1 ea. pipe, parallel & F-clamp racks.

Stk.	Mfr.	Size	Qty.	Price
<b>785775</b>	D4333		3	<b>\$55.00</b>

### Mobile Clamp Rack

**HTC Products** Organize your clamps and move them around with ease. Made of steel. 500 lb. capacity.

Shown with clamps, sold separately.



Stk.	Mfr.	Overall Size	Price
<b>476459</b>	HCR-160	30"W x 25"D x 51"H	<b>\$132.00</b>



### Vertical Bar Rack

**Pucel** Arc welded construction of 1-1/2" x 1-1/2" x 1/8" angle iron with 16 ga. shelves. Gray enamel finish. 4 tray-style shelves (6-3/8", 10", 14" & 6"D) store short pieces. Arms extend 8" beyond each shelf.

Stk.	Mfr.	Overall Size	Price
<b>684015</b>	VB-3684	36"W x 24"D x 84"H at bottom.	<b>\$556.00</b>



433712

433708

### Vertical Storage Racks

**Greene** Vertical compartments hold up to 14' length of stock. Bottom rail keeps stock from shifting. 3 vertical shelves 16"W, 3 horizontal shelves 12", 18", 24"D. Shelf capacity is 300 lbs. (weight distributed evenly). Constructed of heavy gauge steel with 11 gauge formed angle supports. Shipped knocked down. Gray.

Includes assembly hardware.

Racks should be anchored to the floor for safety

Stk.	Mfr.	Overall Size	Price
<b>433712</b>	EL-277	48"W x 30"D x 95-1/4"H	<b>\$941.00</b>

Also includes 24" sheet storage compartment.

<b>433708</b>	EL-200	48"W x 54-1/2"D x 99"H	<b>\$1,631.00</b>
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### Lumber/Plywood Storage Rack

**Shain** Customized lumber and plywood storage using 2 or more solid maple uprights (84"H ea.) with 5 iron pipe arms (20"L x 1-1/4" dia. ea.). Add uprights for more storage. Mount directly to wall with steel wall spacer brackets (sold separately, hardware not included).

**1 Upright w/5 Pipe Arms**

Stk.	Mfr.	Price
<b>155012</b>	LR-1WWM	<b>\$502.00</b>

**16" Wall Spacer** Bracket holds rack 16" from the wall for more plywood storage.

<b>155013</b>	LR-9SB	<b>\$131.00</b>
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### Wood Lumber Storage Rack

**Shain** Solid ash framing and uprights interlock with bolts at every joint. Unit includes 28 pieces of 1-1/4" dia., 20"L iron pipe located for correct lumber support. Assembly required.

Stk.	Mfr.	Overall Size	Price
<b>155484</b>	LR-13W	13"W x 32"D x 6'H	<b>\$2,078.00</b>



**Steel Framed Horizontal Lumber Storage Rack**

**Greene** Upright frames feature continuous welded construction of 1-1/4" square tube steel and 4 anti-sway bars 12"L. Four 20"D shelves, one 38"D shelf have a maximum capacity of 400 lbs. (weight evenly distributed). Gray. Assembly required.

**Unit should be secured to the wall for safety.**

Stk.	Mfr.	Overall Size	Price
<b>433618</b>	EL-2	12"W x 41"D x 94"H	<b>\$1,946.00</b>



**Side-loading Flat Material Storage Rack**

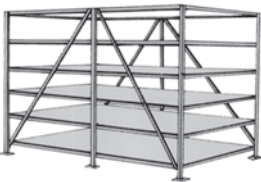
**Greene** Six all-welded, 11 gauge frame shelves have center supports for decking material. Vertical posts are constructed of 11 gauge steel U channel support braces with 3/16" x 2" cross support braces. Shipped knocked down. Gray. 700 lb. maximum capacity per shelf (weight evenly distributed).

Shipped knocked down. Gray. 700 lb. maximum capacity per shelf (weight evenly distributed).

**Includes** assembly hardware & floor anchor pads.

**Decking material not included.**

Stk.	Mfr.	Overall Size	Price
<b>433734</b>	EL-664	102"W x 52"D x 72"H	<b>\$2,162.00</b>



**End-loading Flat Material Storage Rack**

**Greene** Six all-welded frame shelves are designed for storage of plywood and other flat material. Vertical posts are constructed of 1-1/4" square tube steel with 11 gauge u-channel cross support braces. Shipped knocked down. Gray. 500 lb. maximum capacity per shelf.

Shipped knocked down. Gray. 500 lb. maximum capacity per shelf.

**Includes** hardware & floor anchor pads.

**Shown w/decking material, not included.**

Stk.	Mfr.	Overall Size	Price
<b>433730</b>	EL-644	72"W x 54-1/2"D x 72"H	<b>\$1,385.00</b>



**Open Storage Shelving**

**Edsal** Upright unit with 5 shelves that adjust at 1" intervals to fit storage needs without disturbing other shelving units. 22 ga. steel unit holds 400 lbs. Rust-resistant enamel finish in gray. Easy-to-assemble unit includes all hardware.

**Shown w/ supplies, not included.**

Stk.	Mfr.	Overall Size	Price
<b>379600</b>	2912-5GY	36"W x 12"D x 75"H	<b>\$207.00</b>
<b>379601</b>	2915-5GY	36"W x 15"D x 75"H	<b>\$232.00</b>
<b>379602</b>	2918-5GY	36"W x 18"D x 75"H	<b>\$264.00</b>
<b>379603</b>	2924-5GY	36"W x 24"D x 75"H	<b>\$334.00</b>



**Commercial Wire Shelving**

**Safco** For any general storage area. 4 steel posts with 4 open wire shelves reduces dust accumulation. Each shelf adjusts in 1" increments and supports up to 500 lbs. Adjustable leveling feet with caps protect floors. Black powder coat finish resists wear. Additional shelves may be added. Assembly required.

**Includes** 2 shelves.

**Shown with supplies, not included.**

Stk.	Mfr.	Overall Size	Qty.	Price
<b>770877</b>	5241BL	48"W x 18"D x 72"H		<b>\$216.00</b>
<b>770880</b>	5276BL	36"W x 18"D x 72"H		<b>\$193.00</b>

**Extra Shelves**

Stk.	Mfr.	Overall Size	Qty.	Price
<b>770878</b>	5242BL	48"W x 18"D x 1-1/2"H	2	<b>\$110.00</b>
<b>770879</b>	5243BL	36"W x 18"D x 1-1/2"H	2	<b>\$92.70</b>



**Heavy-duty Shelving**

**Durham** 12 ga. galvanized steel corner posts with 14 ga. steel shelves with stiffeners welded to bottoms. Each shelf fastens to corner posts (fasteners provided) and adjust on 1" centers. 3,000 lb. capacity per shelf (evenly distributed). Durable textured gray powder coat finish.

**Includes** 5 shelves.

Stk.	Mfr.	Overall Size	Price
<b>345140</b>	HDS-184872-95	48"W x 18"D x 72"H	<b>\$643.00</b>
<b>345141</b>	HDS-244872-95	48"W x 24"D x 72"H	<b>\$769.00</b>
<b>345142</b>	HDS-246072-95	60"W x 24"D x 72"H	<b>\$868.00</b>
<b>345143</b>	HDS-184896-95	48"W x 18"D x 96"H	<b>\$680.00</b>
<b>345144</b>	HDS-244896-95	48"W x 24"D x 96"H	<b>\$806.00</b>
<b>345145</b>	HDS-246096-95	60"W x 24"D x 96"H	<b>\$892.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*

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## EQUIPMENT



### Paper/Drawing Board Storage

**Shain** Maple plywood cabinet offers ample horizontal storage space for 25 (20" x 26") drafting boards and paper. Max. weight per slot is 2.5 lbs. Fiberboard dividers. 3-point locking doors. Earth-friendly UV finish.

**Cabinet should be secured to the wall for safety. Mounting hardware not included.**

Stk.	Mfr.	Size	Price
<b>155531</b>	DBC-1	32"W x 22"D x 84"H	<b>\$1,135.00</b>



### TOM Drafting Machine

**Alvin** Track-type drafting machine complete with drawing board that features a modern and compact, precision design. Functional drawing board with precision ball bearing, vertical sliding track drafting system, and break lever on vertical sliding track offers 3 positions. 150°

double-hinged drawing head with 2 sets of Plexiglas scales included, 1 set metric, the other is in full and half inch graduations.

Adjustable stand allows board angle at 0°, 30° and 60° (depending on where mounted). Can be used along with CAD furniture set up. Carrying case protects parallel straightedge and provides convenient portability.

Maximum work surface area: 19-1/4"H x 25-1/2"W. Weight: 20 lbs.

Stk.	Mfr.	Price
<b>196020</b>	TOM	<b>\$788.00</b>

### Parallel Straightedge Drawing Boards

**Alvin** Rugged, warp-free white Melamine® laminate offers a smooth clean drawing surface anywhere you work. Brushed aluminum finish on the straightedge enhances appearance and provides a stain-resistant pressure point.

Each board is equipped with spring-loaded hardware to accommodate paper, vellum or cardboard. Tractor feet for easy set-up on any flat surface. Raised reinforcing bar serves as convenient pencil ledge. Parallel straightedge eliminates the need for T-squares. Smooth-action pulley moves easily, yet is precise.

- Durable space-age plastic legs for greater stability, increased height
- Straightedge locking system provides a "brake" for drawing straight lines w/greater confidence and ease
- Rugged Melamine® lamination prevents warping & wipes clean w/damp cloth
- Precision optical-grade acrylic straightedge eliminates the need for a T-square, provides a strain-resistant pressure point & is undercut for use w/technical pens
- Molded plastic tuck-away comfort-fit carrying handle
- Non-slip, "Grip-Track" tractor feet overhang the table edge & hold the board at the perfect drawing angle
- All hardware is nickel-plated to resist stains & tarnishing

#### Quantity Savings!

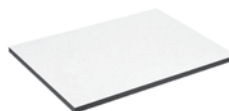
Stk.	Mfr.	Size	Qty.	Price	24 or more
<b>196207</b>	PXB21	16" x 21"	1	<b>\$75.30</b>	<b>\$64.00</b>
<b>196208</b>	PXB24	18" x 24"	1	<b>\$81.40</b>	<b>\$69.20</b>
<b>196209</b>	PXB26	20" x 26"	1	<b>\$84.20</b>	<b>\$71.60</b>



### Portable Sketch Boards

**Alvin** Made of strong, tempered masonite with cutout carry handle. Includes metal clip and rubber band to hold paper securely in place.

Stk.	Mfr.	Size	Price
<b>196471</b>	SB1516	15-1/2" x 16-1/2"	<b>\$11.70</b>
<b>196474</b>	SB1819	18-1/2" x 19-1/2"	<b>\$13.10</b>



### Drawing Boards

**Alvin**

#### Quantity Savings!

**Natural Wood** Solid core construction. T-metal edges.

Stk.	Mfr.	Size	Qty.	Price	24 or more
<b>196146</b>	DB111	12" x 17"	1	<b>\$17.80</b>	<b>\$15.20</b>
<b>196147</b>	DB112	16" x 21"	1	<b>\$22.20</b>	<b>\$18.90</b>
<b>196150</b>	DB114	18" x 24"	1	<b>\$26.60</b>	<b>\$22.60</b>
<b>196151</b>	DB116	20" x 26"	1	<b>\$31.80</b>	<b>\$27.10</b>

**White Melamine** Solid core construction. White Melamine®. Black PVC edge.

Stk.	Mfr.	Size	Qty.	Price	24 or more
<b>196658</b>	XB112	16" x 21"	1	<b>\$26.80</b>	<b>\$22.80</b>
<b>196659</b>	XB114	18" x 24"	1	<b>\$35.10</b>	<b>\$29.90</b>
<b>196660</b>	XB116	20" x 26"	1	<b>\$36.00</b>	<b>\$30.60</b>

**Ultralight Unfinished Wood Veneer** Hollow-core with X-center frame. T-metal edges.

Stk.	Mfr.	Size	Qty.	Price	24 or more
<b>196248</b>	LBI12	16" x 21"	1	<b>\$24.60</b>	<b>\$20.90</b>
<b>196249</b>	LBI14	18" x 24"	1	<b>\$29.00</b>	<b>\$24.70</b>
<b>196251</b>	LBI16	20" x 26"	1	<b>\$33.40</b>	<b>\$28.40</b>



### AX Series Drawing Boards

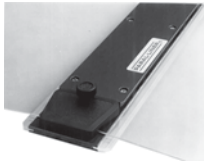
**Alvin** A smooth, warp-free white Melamine® laminated board with black edges. The non-slip tractor feet firmly hold the drawing board at a comfortable angle. Contoured handle for comfortable carrying.

Stk.	Mfr.	Size	Price
<b>196353</b>	AX617/2	18" x 24"	<b>\$61.20</b>
<b>196354</b>	AX617/3	20" x 26"	<b>\$67.30</b>
<b>196358</b>	AX617/4	23" x 31"	<b>\$77.00</b>
<b>196359</b>	AX617/5	24" x 36"	<b>\$88.30</b>

### Board Covers

**Alvin** Durable 5-ply VBC plastic protects heavily-used surfaces against mars, scars, cuts and dents. Pre-cut sheets, 1 side green, other side cream.

Stk.	Mfr.	Size	Price
<b>196478</b>	VBC44-1	18" x 24"	<b>\$22.20</b>
<b>196479</b>	VBC44-2	20" x 26"	<b>\$24.40</b>
<b>196480</b>	VBC44-3	23" x 31"	<b>\$28.80</b>
<b>196481</b>	VBC44-4	24" x 36"	<b>\$33.30</b>
<b>196482</b>	VBC44-5	31" x 42"	<b>\$41.40</b>
<b>196483</b>	VBC44-6	36" x 48"	<b>\$51.70</b>
<b>196472</b>	VBC44/36	10 yd. x 36"	<b>\$313.00</b>
<b>196473</b>	VBC44/48	10 yd. x 48"	<b>\$408.00</b>



### Paral-Liner Mobile Parallel Straightedges

**Alvin** Frictionless operation is provided by floating action of blade-mounted nylon rollers that retract at touch, securing blade for accurate drawing.

- Rigid phenolic construction w/black satin finish
- Elevated Plexiglas® edges prevent ink smears
- Steel ball-bearing pulleys for smooth movement

**Includes** mounting hardware & instructions.

Stk.	Mfr.	Length	Price
<b>196211</b>	I101-30	30"	<b>\$139.00</b>
<b>196213</b>	I101-36	36"	<b>\$148.00</b>
<b>196212</b>	I101-42	42"	<b>\$159.00</b>
<b>196214</b>	I101-48	48"	<b>\$169.00</b>

### Cable Replacement Package

**Alvin** Rewiring kit fits board sizes 48" to 72". For models I101, I102 & 2201.

**Includes** 30' nylon-covered stainless steel wire, spring, 2 eyelets & 2 front wire connectors.

Stk.	Mfr.	Price
<b>196197</b>	PEP-2	<b>\$12.70</b>

### Hardware Replacement Package

**Alvin** Fits board sizes 30" to 72".

**Includes** 2 cable attachments, 2 cable tie-offs, 2 tension guides & 5 screws.

Stk.	Mfr.	Price
<b>196198</b>	HD4	<b>\$16.40</b>



### Light Table

**Shain** Constructed of a maple hard wood frame and a plastic laminate almond colored top. Shatter-resistant glass inset gives maximum diffusion of light with minimum glare and no hot spots. Top adjusts from 0-30° and is equipped with a soft-close feature and a pencil stop.

Pre-installed 120V electrical cord.

**Includes** 4 energy efficient fluorescent tubes.

Stk.	Mfr.	Overall Size	Price
<b>155015</b>	LT-4424	42"L x 39-3/4"W x 30"H	<b>\$1,128.00</b>



### Porta-Trace Light Box

**Alvin** Great for drawing, tracing, embossing, calligraphy, viewing and presentations. Durable unit features a tough stainless steel frame and thick Plexiglas® top. Color-corrected lamps with bright, even light without hot spots. 3-20W lamp. UL listed.

Stk.	Mfr.	Size	Price
<b>196023</b>	PT1824-3	18" x 24"	<b>\$557.00</b>



### Mesh Bags

**Alvin** High-quality vinyl mesh webbing creates a strong, functional kit bag. 3/4" gusset, zippered top.

Stk.	Mfr.	Size	Price
<b>196321</b>	NB1013	10" x 13"	<b>\$5.55</b>
<b>196105</b>	NB1216	12" x 16"	<b>\$6.80</b>
<b>196322</b>	NB1518	15" x 18"	<b>\$7.31</b>
<b>196323</b>	NB1621	16" x 21"	<b>\$9.68</b>
<b>196324</b>	NB1824	18" x 24"	<b>\$10.30</b>
<b>196325</b>	NB2026	20" x 26"	<b>\$11.40</b>



### Expanding Folders

**Alvin** For student or office use. Handy expanding wallets are ideal for carrying loose notes, papers, books and etc. Made of 1-piece heavyweight red fiber. Velcro closure permits closing the wallet whether it is flat or full. Full 2" expansion.

Stk.	Mfr.	Size	Price
<b>196104</b>	E15	10" x 15"	<b>\$3.24</b>
<b>196116</b>	E18	12" x 18"	<b>\$4.59</b>
<b>196121</b>	E20	14" x 20"	<b>\$8.43</b>
<b>196107</b>	E26	20" x 26"	<b>\$15.00</b>

## INSTRUMENTS

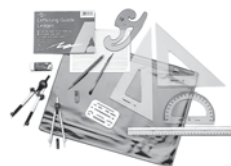


### Drawing Kit

**Alvin** Fits the needs of architectural, engineering and mechanical drawing.

- 6" bow pencil compass/divider
- 24" transparent-edge T-square
- 8" 45°/90° triangle
- 10" 30°/60° triangle
- 12-1/2" irregular curve
- 18" x 24" drawing board w/metal edges
- 12" Architect's triangular scale
- 6" semicircular protractor
- Plus, sandpaper pointer pad, 2H & 4H pencils, sharpener, erasing shield, art gum eraser, soft pencil eraser, 3/4" x 10 yd. roll of drafting tape & freehand lettering guide pad

Stk.	Mfr.	Price
<b>196143</b>	SD505	<b>\$111.00</b>



### Beginner's Drawing Kit

**Alvin** Kit eliminates student guess work, saves time and allows work with consistent equipment.

- 6" bow compass w/parts tube
- 5-1/2" plain divider w/replaceable needle points
- Architect's open divided triangular scale
- 8" 45°/90° clear plastic triangle
- 10" 30°/60° clear plastic triangle
- 8-1/2" irregular curve
- 6" semicircular protractor
- Plus, freehand lettering guide pad, erasing shield, mechanical lead holder, mini lead pointer, 12" x 16" vinyl carrying case & tube of compass leads

Stk.	Mfr.	Price
<b>196270</b>	BDK-1A	<b>\$47.90</b>

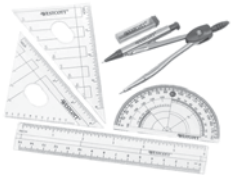


### Technical-grade Blueprint Kit

**Alvin** Designed to fit average needs, budget and class level requirements.

- 6" bow compass w/parts tube
- Architect's divided triangular scale
- 10" 30°/60° clear plastic triangle
- 8" 45°/90° clear plastic triangle
- 6" semicircular protractor
- 8-1/2" irregular curve
- Plus, erasing shield, mechanical lead holder, mini lead pointer, tube of compass leads, 12" x 16" vinyl carrying case & freehand lettering guide pad

Stk.	Mfr.	Price
<b>196271</b>	BRK-1A	<b>\$41.90</b>



**6-Piece Geometry Set**

**Westcott**

**Includes** compass, lead refills, 6" ruler, 180° protractor, 45°/90°/45° triangle, 30°/60°/90° triangle & plastic pouch.

Stk.	Mfr.	Price
<b>189128</b>	14564	<b>\$6.74</b>



**8-Piece Geometry Set**

**Alvin**

**Includes** 6" ruler, 4" protractor, 3" 45°/90° triangle, 4" 30°/60° triangle, compass, pencil, pencil sharpener, eraser & storage case.

Stk.	Mfr.	Price
<b>196120</b>	FL04	<b>\$4.95</b>



**10-Piece Mathematical Instrument Set**

**Alvin** Packaged in an attractive metal case with printed conversion charts inside lid.

**Includes** metal pencil compass, alphabet stencil, 45° triangle, 30°/60° triangle, vinyl eraser, metal divider, pencil, 6"/15cm ruler, 180° protractor & sharpener.

Stk.	Mfr.	Price
<b>196021</b>	MS10	<b>\$6.60</b>



**6" Introductory Bow Compass**

**Alvin** Rugged pencil/divider with center wheel adjustment. For circles 1/8" to 9-1/2".

**Includes** needle & 2 leads.

Stk.	Mfr.	Price
<b>196632</b>	201	<b>\$10.20</b>



**6" Bow Compass**

**Alvin** Made from cast zinc body with a fiberglass head, this traditional compass is perfect for intro level drafting and drawing. Creates circles 1/2" to 10" in diameter. Features a center wheel spindle for precision adjustments.

**Includes** tube of lead.

Stk.	Mfr.	Price
<b>196034</b>	704	<b>\$10.20</b>



**Academic Bow Pencil Compass**

**Alvin** 4-3/4" hoop spring pencil compass with fast center wheel adjustment. For circles up to 4".

**Includes** needle & 2 leads.

Stk.	Mfr.	Price
<b>196640</b>	844B	<b>\$15.70</b>



**Traditional 6" Master Bow Compass**

**Alvin** Creates 1/8" to 11-1/2" circles. Smooth, center wheel adjustment and matte nickel finish. Capped spindle prevents over-extension.

**Includes** extra needle & leads.

Stk.	Mfr.	Price
<b>196041</b>	604	<b>\$13.40</b>



**Combination Bow Compasses**

**Alvin** Fiberglass ring-head and pivot design for smooth, firm adjustment. Center wheel adjusts quickly and easily for circles up to 10". Built-in

spindle stop prevents overextension. Tarnish-free nickel finish.

**6" Pencil Compass/Divider** **Includes** extra lead, needle point & T-bolt.

Stk.	Mfr.	Price
<b>196139</b>	504	<b>\$13.40</b>

**Basic 6" Bow Combination Compass** **Includes** same as above, plus split leg design accepts pen, pencil & divider parts & slip handle for spare ruling pen.

Stk.	Mfr.	Price
<b>196190</b>	505	<b>\$20.30</b>

**Basic 6" Bow Combination Compass w/Beam Bar** **Includes** same as 505, plus beam bar extension for circles up to 20" dia.

Stk.	Mfr.	Price
<b>196193</b>	505V	<b>\$25.50</b>



**6" Master Bow Combination Compass**

**Alvin** Rugged gearhead design and interchangeable pencil and divider parts. Rapid adjustment feature allows 1/8" to 11-1/2" circles. Easy-hold handle for comfortable adjustments. Double break leg for precise perpendicular drawing.

**Includes** extra lead & bolt, hinged plastic case.

Stk.	Mfr.	Price
<b>196171</b>	805	<b>\$20.10</b>



**Compact Drawing Set**

**Alvin** 6" bow pencil compass and 6" friction divider with replaceable needle points. Capped spindle prevents over-extension. For circles up to 9" dia.

**Includes** compass, divider w/replaceable needle points & case.

Stk.	Mfr.	Price
<b>196164</b>	608K	<b>\$21.00</b>



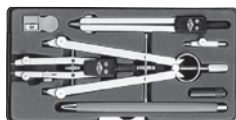
**7-Piece Compass & Divider Set**

**Alvin** Quality beginner set with 5-3/4" compass and 5-3/4" divider.

**Includes** compass w/tube of lead, divider, 0.5mm fineliner pencil w/tube of lead, 0.2mm lead pointer, eraser & case.

Stk.	Mfr.	Price
<b>196043</b>	308K	<b>\$18.70</b>





### Maverick Bow Compass Drawing Set

**Alvin** 2 bow compass sizes for pencil drafting. 6" compass w/center wheel & straight leg design. 4" compass w/center wheel design. 5-1/2" gearhead divider w/adjustable & replaceable needle points. 5-3/4" mechanical pencil.

**Includes** 2 compasses, divider w/replaceable needle points, mechanical pencil & case.

Stk.	Mfr.	Price
<b>196642</b>	895E	<b>\$44.30</b>



### Basic Bow Repair Kit

**Alvin** Provides a cross section of repair and replacement parts for all basic bow drawing instruments.

**Includes** storage case.

Stk.	Mfr.	Price
<b>196310</b>	900D	<b>\$46.20</b>



### Beam Compass Set

**Alvin** Efficient spring loaded friction-control design enables precision drawing. The two 13" beam bars with coupling accommodate circles up to 48".

**Includes** interchangeable ruling pen, pencil, divider legs & velvet-lined case w/clear cover.

Stk.	Mfr.	Price
<b>196646</b>	961B	<b>\$36.90</b>

### 2mm Compass Leads

**Alvin** Convenient refills for standard drawing instruments with presharp-ened chisel points. 2mm dia. x 3/4"L.

Stk.	Mfr.	Hardness	Qty.	Price
<b>196312</b>	5112-H	H	12	<b>\$3.13</b>
<b>196313</b>	5112-HB	HB	12	<b>\$3.13</b>
<b>196319</b>	5144-HB	HB	144	<b>\$11.30</b>
<b>196314</b>	5112-2H	2H	12	<b>\$3.13</b>
<b>196320</b>	5144-2H	2H	144	<b>\$11.30</b>
<b>196315</b>	5112-4H	4H	12	<b>\$3.13</b>



### Friction Divider

**Alvin** 6" friction divider with self-centering gearhead design. Replaceable needle points. Tarnish-free nickel finish.

Stk.	Mfr.	Price
<b>196145</b>	660	<b>\$11.70</b>



### Pantograph

**Alvin** Accurate instrument designed for use on inclined or horizontal boards and for tracing or dotting. Sturdy joint and arm construction ensures accuracy.

Bars are seasoned hardwood with clear gray lacquer finish and have die-sunk graduations, with holes carefully drilled for accuracy. Adjustable nylon ratio thumbscrews assure smooth, easy movement.

- Nickered lead holder attachment & nylon tracer point
- Nickered anchor table clamps provide stability

Stk.	Mfr.	Price
<b>196141</b>	PA306	<b>\$36.00</b>



### T-Squares

**Alvin**

#### Quantity Savings!

**Acrylic** 100% acrylic blade has relieved edges to prevent ink underflow and is bonded to the head for accuracy and strength.

Stk.	Mfr.	Length	Qty.	Price	24 or more
<b>196039</b>	P18	18"	1	<b>\$13.10</b>	<b>\$11.60</b>
<b>196131</b>	P24	24"	1	<b>\$13.90</b>	<b>\$11.80</b>
<b>196123</b>	P30	30"	1	<b>\$15.50</b>	<b>\$13.20</b>
<b>196229</b>	P36	36"	1	<b>\$19.40</b>	<b>\$16.50</b>

**Stainless Steel** Spring-tempered stainless steel blade with beveled edges for accurate line drawing and cutting. The fixed, cast aluminum head offers strength and durability. 1-1/2"VV.

Stk.	Mfr.	Length	Qty.	Price	24 or more
<b>196106</b>	S/S18	18"	1	<b>\$28.40</b>	<b>\$24.10</b>
<b>196112</b>	S/S24	24"	1	<b>\$32.70</b>	<b>\$27.80</b>
<b>196124</b>	S/S30	30"	1	<b>\$38.70</b>	<b>\$32.90</b>

**Wood** Hardwood blade with see-through acrylic edges that are elevated to prevent smudging and eliminate surface scratches.

Stk.	Mfr.	Length	Qty.	Price	24 or more
<b>196605</b>	C18	18"	1	<b>\$11.70</b>	<b>\$9.90</b>
<b>196110</b>	C24	24"	1	<b>\$13.90</b>	<b>\$11.80</b>
<b>196114</b>	C30	30"	1	<b>\$15.90</b>	<b>\$13.50</b>
<b>196606</b>	C36	36"	1	<b>\$18.80</b>	<b>\$15.90</b>

**Aluminum** Lightweight 1-1/2" wide rigid blade with deeply cut, highly visible graduations. Blade securely riveted to durable, high-impact plastic head. Graduation in 8ths and 16ths.

Stk.	Mfr.	Length	Qty.	Price	24 or more
<b>196185</b>	L18	18"	1	<b>\$10.70</b>	<b>\$9.10</b>
<b>196186</b>	L24	24"	1	<b>\$12.20</b>	<b>\$10.40</b>
<b>196187</b>	L30	30"	1	<b>\$13.80</b>	<b>\$11.80</b>
<b>196188</b>	L36	36"	1	<b>\$15.10</b>	<b>\$12.90</b>

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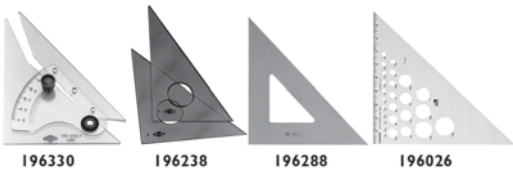


### Transparent Triangles

**Alvin** Molded .08" T polystyrene with built-in finger lifts.

**Quantity Savings!**

Stk.	Mfr.	Size	Angle	Qty.	Price	24 or more
<b>196230</b>	SI390-6	6"	30°/60°	1	<b>\$1.56</b>	<b>\$1.33</b>
<b>196231</b>	SI390-8	8"	30°/60°	1	<b>\$2.16</b>	<b>\$1.84</b>
<b>196232</b>	SI390-10	10"	30°/60°	1	<b>\$2.46</b>	<b>\$2.09</b>
<b>196233</b>	SI390-12	12"	30°/60°	1	<b>\$3.47</b>	<b>\$2.95</b>
<b>196266</b>	SI450-6	6"	45°/90°	1	<b>\$1.83</b>	<b>\$1.56</b>
<b>196267</b>	SI450-8	8"	45°/90°	1	<b>\$2.40</b>	<b>\$2.04</b>
<b>196268</b>	SI450-10	10"	45°/90°	1	<b>\$3.12</b>	<b>\$2.65</b>
<b>196623</b>	SI450-12	12"	45°/90°	1	<b>\$4.17</b>	<b>\$3.54</b>



### Triangles Alvin

**Adjustable** Provides the features of a 45°/90° adjustable triangle, plus those of a protractor. Angles 0° - 90° can be drawn from baseline (1/2° accuracy). Engraved graduations and aluminum thumbscrew. High impact 0.100" optically clear acrylic eliminates parallax and allows close pencil tolerance. No inking edge.

Stk.	Mfr.	Size	Angle	Qty.	Price
<b>196330</b>	I08C	8"	45°/90°	1	<b>\$27.90</b>

**Smoke-tint** Styrene w/non-glare smoke tint for easy visibility. Double-beveled edges w/finger lifts. 0.10"T.

Stk.	Mfr.	Size	Angle	Qty.	Price
<b>196238</b>	SK360-6	6"	30°/60°	1	<b>\$3.34</b>
<b>196239</b>	SK360-8	8"	30°/60°	1	<b>\$3.58</b>
<b>196240</b>	SK360-10	10"	30°/60°	1	<b>\$3.69</b>
<b>196241</b>	SK360-12	12"	30°/60°	1	<b>\$4.73</b>
<b>196242</b>	SK450-6	6"	45°/90°	1	<b>\$4.19</b>
<b>196243</b>	SK450-8	8"	45°/90°	1	<b>\$4.00</b>
<b>196244</b>	SK450-10	10"	45°/90°	1	<b>\$4.82</b>
<b>196245</b>	SK450-12	12"	45°/90°	1	<b>\$7.15</b>

**Fluorescent Orange** Reflects light along drawing edge. Double-beveled inking edges & center finger lifts. 0.10"T.

Stk.	Mfr.	Size	Angle	Qty.	Price
<b>196288</b>	FT390-6	6"	30°/60°	1	<b>\$2.95</b>
<b>196289</b>	FT390-8	8"	30°/60°	1	<b>\$3.52</b>
<b>196291</b>	FT390-10	10"	30°/60°	1	<b>\$4.40</b>
<b>196292</b>	FT390-12	12"	30°/60°	1	<b>\$5.96</b>
<b>196234</b>	FT450-6	6"	45°/90°	1	<b>\$3.52</b>
<b>196235</b>	FT450-8	8"	45°/90°	1	<b>\$4.40</b>
<b>196236</b>	FT450-10	10"	45°/90°	1	<b>\$6.05</b>
<b>196237</b>	FT450-12	12"	45°/90°	1	<b>\$8.74</b>

**Aluminum** Durable lightweight, satin-finish triangle resists stains, tarnishing. 90° angle (1/16" graduations). Use as circle template (1/16" to 1-3/8").

Stk.	Mfr.	Size	Angle	Qty.	Price
<b>196026</b>	AT245-6	6"	45°/90°	1	<b>\$8.26</b>

### Protractors



**Circular** Clear .080" plastic with center cut out for easy finger lifting. Graduations molded in.

Stk.	Mfr.	Size	Qty.	Price
<b>196160</b>	P234	4"	1	<b>\$2.92</b>
<b>196161</b>	P236	6"	1	<b>\$2.54</b>
<b>196162</b>	P238	8"	1	<b>\$11.90</b>

**Semicircular** Clear .060" plastic with cutout center. Clearly stamped 1° graduations.

Stk.	Mfr.	Size	Qty.	Price
<b>196199</b>	3751	3-1/2"	12	<b>\$13.70</b>

**Semicircular** Colored plastic w/beveled edges & center cut-out finger lift. Assorted colors. Inches, mm. 1/2° graduation.

Stk.	Mfr.	Size	Qty.	Price
<b>196058</b>	FL07/DZ	6"	12	<b>\$13.50</b>

**Semicircular** Clear vinyl with cut-out center and clearly divided graduations. 5° graduation.

Stk.	Mfr.	Size	Qty.	Price
<b>189150</b>	I1200	6"	1	<b>\$1.22</b>

**Semicircular** Clear .080" plastic with center cut-out, finger lift and beveled edges. Black die-stamped graduations divided into 1/2° increments.

Stk.	Mfr.	Size	Qty.	Price
<b>196100</b>	P466	6"	1	<b>\$2.47</b>

**Semicircular** Heavy-duty .090" transparent laminated PVC w/beveled outer edge for accuracy. Die-stamped graduations.

Stk.	Mfr.	Size	Qty.	Price
<b>196101</b>	P476	6"	1	<b>\$2.99</b>

**Semicircular** Solid center design with graduations "sandwiched" between 2 laminated sheets of clear plastic so they cannot rub off. 1/2° graduation.

Stk.	Mfr.	Size	Qty.	Price
<b>196166</b>	376	6"	1	<b>\$2.26</b>

### Irregular Curves



**Alvin** Made of acrylic plastic .06" thick. Smooth and uniform with accurate edges.

Stk.	Mfr.	Size	Price
<b>196169</b>	I010-6	5"	<b>\$4.38</b>
<b>196170</b>	I010-8	6"	<b>\$6.08</b>
<b>196172</b>	I010-13	8"	<b>\$6.54</b>

### 3-Piece French Curve Set



**Alvin** Made of .09" green-tint polystyrene with vinyl storage envelope.

Stk.	Mfr.	Size	Price
<b>196126</b>	FC33	5-1/2", 6-1/2", 12-1/2"	<b>\$6.82</b>

### 8-Piece French Curve Set



**Alvin** Full size curve set features double-beveled inking edges. Transparent smoke gray .08"T polystyrene.

Stk.	Mfr.	Size	Price
<b>196129</b>	FC88	5-1/4" to 10"	<b>\$16.80</b>

# RULING & MEASURING



## Triangular Scales

**Alvin** Architect scale graduations: 3/32, 3/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1-1/2, 3" to the foot. One edge divided to 16ths.

Mechanical drafting scale graduations: 1/8, 1/4, 1/2, 1" to the foot. 1/4, 3/8, 1/2, 3/4" size. 50ths and 16ths.

Metric scale graduations 1:20, 1:33-1/3, 1:40, 1:50, 1:80, 1:100.

Engineer scale graduations: 10, 20, 30, 40, 50, 60 parts to the inch.

### Quantity Savings!

**Student/Vocational** Satin finished, high-impact plastic with tapered edges. Sharp, easy-to-read graduations resist wear.

Stk.	Mfr.	Item	Color	Length	Qty.	Price	24 or more
<b>196400</b>	I10P	Architect	White	12"	1	<b>\$3.74</b>	<b>\$3.18</b>
<b>196401</b>	I10PY	Architect	Yellow	12"	1	<b>\$7.59</b>	<b>\$6.45</b>
<b>196369</b>	I10PX	Mechanical Drafting	White	12"	1	<b>\$3.74</b>	<b>\$3.18</b>
<b>196331</b>	I17PM	Metric	White	30cm	1	<b>\$3.74</b>	<b>\$3.18</b>
<b>196370</b>	I11P	Engineer	White	12"	1	<b>\$3.74</b>	<b>\$3.18</b>

**Professional** Tapered edges and color coded furrows for quick scale identification. Divisions are engraved on a non-glare matte plastic face, bonded over seasoned, laminated bamboo for durability. **Includes** case.

Stk.	Mfr.	Item	Color	Length	Qty.	Price	24 or more
<b>196636</b>	240B	Architect	White	12"	1	<b>\$26.10</b>	



## Slide Rule Proportional Scales

**Alvin** For calculating percentage of enlargements and reduction of photos, artwork and layouts.

Stk.	Mfr.	Size	Price
<b>196488</b>	PS69	5"	<b>\$6.42</b>
<b>196489</b>	PS79	6"	<b>\$8.44</b>



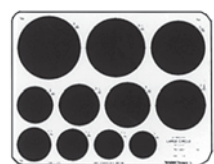
## Truflex II Flexible Curves

**Alvin** Lightweight aluminum core easily forms to hold any curve. Flat inking edges measure

millimeters and inches. Metric graduations are red, fractional graduations are black. Lead and phthalate free.

Stk.	Mfr.	Length	Price
<b>196093</b>	A1044-12	12"	<b>\$9.36</b>
<b>196094</b>	A1044-24	24"	<b>\$17.60</b>

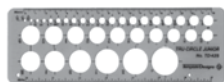
# TEMPLATES



## 11 Circles

**Alvin**

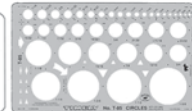
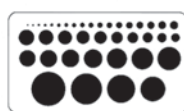
Stk.	Mfr.	Size Range	Size	Price
<b>196220</b>	TD1201	1-1/2" to 3-1/2"	8-1/2" x 11" x .030"	<b>\$10.40</b>



## 37 Circles

**Alvin**

Stk.	Mfr.	Size Range	Size	Price
<b>196184</b>	TD425	1/32" to 1"	2-3/4" x 8-1/4" x .030"	<b>\$8.33</b>



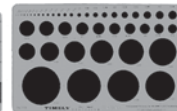
## 39 Circles

**Alvin**

**196612**

**196098**

Stk.	Mfr.	Size Range	Size	Price
<b>196612</b>	TD1200	1/16" to 1-3/8"	4" x 7-1/4" x .030"	<b>\$8.09</b>
<b>196098</b>	85T	1/16" to 1-5/8"	4-3/4" x 8" x .020"	<b>\$3.98</b>



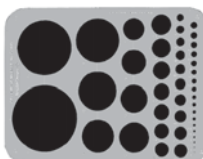
## 42 Circles

**Alvin**

**196300**

**196339**

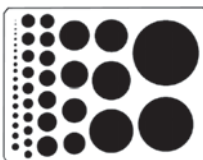
Stk.	Mfr.	Size Range	Size	Price
<b>196300</b>	TD435	1/32" to 2"	5" x 8" x .030"	<b>\$5.36</b>
<b>196339</b>	88T	1/32" to 2-1/4"	6-1/4" x 9-3/4" x .020"	<b>\$5.27</b>



## 44 Circles

**Alvin**

Stk.	Mfr.	Size Range	Size	Price
<b>196351</b>	TD445	1/16" to 3"	7" x 9-1/4" x .030"	<b>\$12.10</b>



## 45 Circles

**Alvin**

Stk.	Mfr.	Circles	Size Range	Size	Price
<b>196614</b>	TD1204	45	1/16" to 2-1/4"	7-1/4" x 8-1/4" x .030"	<b>\$9.36</b>



## 62 Radius Circles

**Alvin**

Stk.	Mfr.	Size Range	Size	Price
<b>196613</b>	TD1202	3/64" to 7-1/2"	7-1/2" x 10" x .030"	<b>\$10.80</b>

Please visit  
**midwesttechnology.com**  
 for the complete specifications  
 of the products listed on this page.



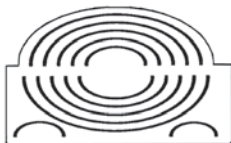
### Isometric Ellipses

**Alvin**

Stk.	Mfr.	Ellipses	Size Range	Size	Price
<b>196060</b>	97T	35	1/16" to 2-1/2"	6-1/4" x 9-7/8" x .020"	<b>\$6.86</b>
<b>196628</b>	123R	38	1/8" to 1-9/16"	6-5/8" x 11-1/4" x .030"	<b>\$16.80</b>
<b>196061</b>	94T	40	3/32" to 1-9/16"	6-1/2" x 10-1/2" x .020"	<b>\$6.86</b>

### 25 Large Isometric Ellipses

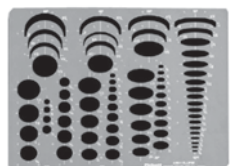
**Alvin**



Stk.	Mfr.	Size Range	Size	Price
<b>196629</b>	124R	1-1/2" to 7"	6" x 10" x .040"	<b>\$22.10</b>

### 4-in-1 Ellipses Template

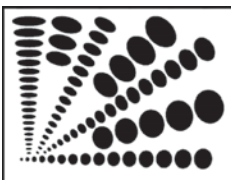
**Alvin** Projections of 15°, 30°, 45°, and 60°. Major axes of 5/16" to 2-1/4". Fractional and decimal designations included.



Stk.	Mfr.	Ellipses	Size	Price
<b>196227</b>	1262I	74	8-1/4" x 12" x .030"	<b>\$21.90</b>

### Combo Ellipses

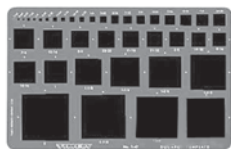
**Alvin** Projections of 15°, 30°, 45°, and 60°; 15° from 3/16" to 1-5/8"; 30° from 1/8" to 1-1/2"; 45° from 1/8" to 1-3/4"; 60° from 1/8" to 1-5/8".



Stk.	Mfr.	Ellipses	Size	Price
<b>196638</b>	479R	79	8-1/2" x 11" x .030"	<b>\$23.00</b>

### 40 Squares

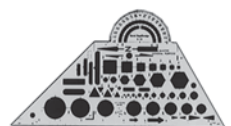
**Alvin**



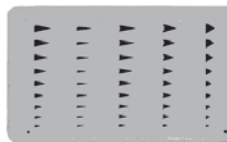
Stk.	Mfr.	Size Range	Size	Price
<b>196520</b>	47T	1/16" to 2"	6-1/4" x 9-3/4" x .020"	<b>\$7.94</b>

### Master General Purpose

**Alvin** Circles, squares, hexagons, triangles, arrows, rectangles, and brackets. Edge scales in 10ths and 16ths, lettering guide, 3" protractor, and 30°, 60°, 90°, and 35° angles.



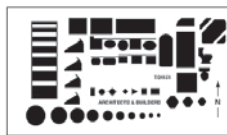
Stk.	Mfr.	Size Range	Size	Price
<b>196118</b>	18R	1/16" to 1"	5-1/2" x 10-1/4" x .030"	<b>\$15.90</b>



### Small Arrow Indicator

**Alvin** Nine sizes each of 5 different arrow shapes.

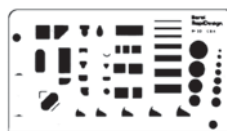
Stk.	Mfr.	Size	Price
<b>196350</b>	TD302	3-5/8" x 5-7/8" x .020"	<b>\$5.49</b>



### Architects & Builders

**Alvin** Circles, rectangles, lavatory and kitchen fixtures, roof pitch index, tile layout gauge, door swings, floor elevation indicator and electrical symbols.

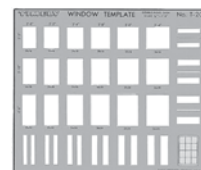
Stk.	Mfr.	Scale	Size	Price
<b>196609</b>	TD1151	1/4" = 1 foot.	5-1/4" x 9-1/4" x .030"	<b>\$11.10</b>



### CBA Architectural

**Alvin** Edge scale, circles, door swings, kitchen and lavatory fixtures, shelves, cupboards and roof pitch index.

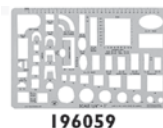
Stk.	Mfr.	Scale	Size	Price
<b>196135</b>	33R	1/8" = 1 foot	3-3/4" x 6-1/4" x .030"	<b>\$18.10</b>



### Double-hung Sash Window

**Alvin** N.D.M.A.-approved modular designs for 18 standard size windows.

Stk.	Mfr.	Scale	Size	Price
<b>196263</b>	20T	1/4" = 1 foot	6" x 7" x .020"	<b>\$5.27</b>



**196059**



**196610**



**196144**

### Home Furnishings

**Alvin**

**Furniture** Furniture for living room, dining room, bedroom and office.

Stk.	Mfr.	Scale	Size	Price
<b>196059</b>	132T	1/4" = 1 foot	6-1/4" x 9-7/8" x .020"	<b>\$7.72</b>

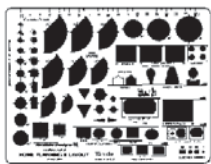
**Home Furnishing** For kitchen, dining room, bedroom, library, family room and living room.

Stk.	Mfr.	Scale	Size	Price
<b>196610</b>	TD1155	1/4" = 1 foot	5-3/4" x 10" x .030"	<b>\$9.85</b>

**House Furnishing** Furniture pieces for living and dining rooms, den, library, bedroom and kitchen (36 symbols) with edge scale.

Stk.	Mfr.	Scale	Size	Price
<b>196144</b>	TD714	1/4" = 1 foot	5-1/2" x 8-5/8" x .030"	<b>\$10.20</b>

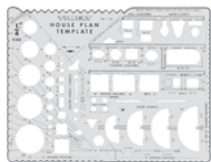
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**Home Planning & Layout**

**Alvin** Circles, squares, rectangles, triangles, hexagons, lavatory and kitchen fixtures, door swings, electrical symbols and 16" O.C. spacing edge.

Stk.	Mfr.	Scale	Size	Price
<b>196608</b>	TDI150	1/4" = 1 foot	5-3/8" x 7" x .030"	<b>\$7.26</b>



**House Plan**

**Alvin** Stairs, doors, plumbing fixtures, kitchen equipment, appliances and roof pitch index.

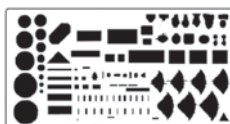
Stk.	Mfr.	Scale	Size	Price
<b>196063</b>	30T	1/4" = 1 foot	5-1/4" x 6-7/8" x .020"	<b>\$5.74</b>



**House Plan Fixtures**

**Alvin** Door swings, kitchen and lavatory fixtures, ANSI symbols, circles, floor elevation indicator and roof pitch index.

Stk.	Mfr.	Scale	Size	Price
<b>196062</b>	22R	1/4" = 1 foot	4-3/8" x 9-1/2" x .030"	<b>\$14.40</b>
<b>196352</b>	TDI538	1/4" = 1 foot	4-1/4" x 9-1/2" x .030"	<b>\$11.10</b>



**Professional House Plan**

**Alvin** Circles, door swings, kitchen and lavatory fixtures. 6", 8" and 9" spacing notches, electric wiring symbols, tile layout indicator and lower edge strip.

Stk.	Mfr.	Scale	Size	Price
<b>196637</b>	35T	1/4" = 1 foot	5-1/4" x 9-3/4" x .020"	<b>\$6.86</b>



**Plumbing**

**Alvin** Front & side elevations of plumbing fixtures.

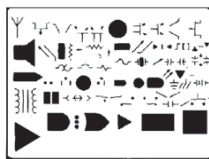
Stk.	Mfr.	Scale	Size	Price
<b>196127</b>	37T	1/8" = 1'; 1/4" = 1' & 1/2" = 1'.	5-1/2" x 9-3/4" x .020"	<b>\$6.86</b>



**Landscaping**

**Alvin** Tree and shrub contours, hedges, fences, rails, flagstone and lower edge scale.

Stk.	Mfr.	Scale	Size	Price
<b>196611</b>	TDI178	1/4" = 1 foot	7" x 8-1/4" x .030"	<b>\$11.10</b>



**Electric/Electronic**

**Alvin** Electronic tubes, capacitors, circuit breakers, resistors, relays, switches, logic symbols, etc. Conforms to ANSI Y32.2 and IEEE No. 315. Designed for .200" grid.

Stk.	Mfr.	Size	Price
<b>196616</b>	TDI279	5" x 7" x .030"	<b>\$11.10</b>



**Lettering**

**Alvin** Upper case block letters and numerals.

Stk.	Mfr.	Scale	Size	Price
<b>196047</b>	135R	3/8"	3-3/4" x 6-1/4" x .060"	<b>\$14.00</b>



**Alphabet, Modern Bold**

**Alvin** Upper case letters, numerals, and edge strip.

Stk.	Mfr.	Scale	Size	Price
<b>196619</b>	TD260V	1/8", 3/16" & 1/4"	2" x 10" x .030"	<b>\$7.43</b>



**Ames Lettering Guide**

**Alvin**

Clear plastic guide with rotating disc and indexed rim saves time for engineers, architects, draftsmen, etc. Tool allows drawing guide lines and slope lines for lettering from 1/16"H to

2"H. Holes in disc provide 3 lettering guide ratios (3/5:2/5, 2/3:1/3 & 1:1). Sides of frame provide 68° and 75° angles for slant lettering.

Stk.	Mfr.	Size	Price
<b>196165</b>	L666	3-7/8" x 2-3/8"	<b>\$4.29</b>

**PENCILS & MARKERS**

**Lead Holders**

**Alvin**



**Tech Lead Holder** Four-way vise-grip jaw holds 2mm lead securely in the lightweight barrel. The push-button control instantly releases lead to any desired length. **Includes** 1 lead.

Stk.	Mfr.	Size	Hardness	Qty.	Price
<b>196008</b>	DA	2-3 mm		1	<b>\$8.01</b>

**Scott Lead Holder** Economical, lightweight design features silver cap, transparent plastic barrel, pocket clip and push button lead advance. 4-way vise-grip jaw holds 2mm lead securely. **Includes** 1 lead.

Stk.	Mfr.	Size	Hardness	Qty.	Price
<b>196285</b>	B/2	2 mm		1	<b>\$5.49</b>

**Refill Leads**

Stk.	Mfr.	Size	Hardness	Qty.	Price
<b>196556</b>	5018-HB	2 mm	HB	12	<b>\$9.93</b>
<b>195970</b>	5019G-HB	2 mm	HB	144	<b>\$44.90</b>
<b>196557</b>	5018-H	2 mm	H	12	<b>\$9.93</b>
<b>195971</b>	5019G-H	2 mm	H	144	<b>\$44.90</b>
<b>196558</b>	5018-2H	2 mm	2H	12	<b>\$9.93</b>
<b>195972</b>	5019G-2H	2 mm	2H	144	<b>\$44.90</b>
<b>196559</b>	5018-4H	2 mm	4H	12	<b>\$9.93</b>
<b>195973</b>	5019G-4H	2 mm	4H	144	<b>\$44.90</b>
<b>196560</b>	5018-6H	2 mm	6H	12	<b>\$9.93</b>
<b>195974</b>	5019G-6H	2 mm	6H	144	<b>\$44.90</b>

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### Draft-Line Mechanical Pencils



**Alvin** Shock-absorbing reflex point minimizes lead breakage. 0.4mm stainless steel stylus tube design is ideal for both drafting and writing. Includes fixed sleeve for writing and built-in eraser under cap with cleaning needle.

Stk.	Mfr.	Size	Color	Price
<b>196577</b>	XA03	0.3 mm	Yellow	<b>\$6.24</b>
<b>196578</b>	XA05	0.5 mm	Black	<b>\$6.24</b>
<b>196579</b>	XA07	0.7 mm	Blue	<b>\$6.24</b>
<b>196580</b>	XA09	0.9 mm	Maroon	<b>\$6.24</b>

### 3-Piece Set

Stk.	Mfr.	Size	Color	Price
<b>196662</b>	XA357C	0.3, 0.5, 0.7 mm		<b>\$18.50</b>
<b>196663</b>	XA579C	0.5, 0.7, 0.9 mm		<b>\$18.50</b>

### Eraser Refills, 3/pkg.

Stk.	Mfr.	Size	Color	Price
<b>196661</b>	EZR			<b>\$1.86</b>

### Sharplet 2 Pencils



**Pentel** Automatic pencil with push-button lead advance, plastic clutch mechanism, removable pocket clip and built-in eraser.

Stk.	Mfr.	Size	Color	Qty.	Price
<b>196054</b>	A125-A	0.5 mm	Black	1	<b>\$3.06</b>
<b>196055</b>	A127-C	0.7 mm	Dark Blue	1	<b>\$3.06</b>
<b>196056</b>	A129-E	0.9 mm	Brown	1	<b>\$3.06</b>

### Iceberry Mechanical Pencils



**Alvin** Economical, reliable pencil with push-button advance, rubberized non-slip finger grip, plastic pocket clip and eraser.

Stk.	Mfr.	Size	Color	Qty.	Price
<b>196002</b>	IB05-B	0.5 mm	Blue	1	<b>\$1.60</b>
<b>196003</b>	IB05-V	0.5 mm	Violet	1	<b>\$1.60</b>

### Refill Leads

**Alvin** High-quality, high-strength "Pentel" polymer refill leads provide intense black lines for perfect reproduction.

#### 0.3 mm

Stk.	Mfr.	Hardness	Qty.	Price
<b>196581</b>	300-3-HB	HB	12/tube	<b>\$2.35</b>
<b>196582</b>	300-3-H	H	12/tube	<b>\$2.35</b>
<b>196583</b>	300-3-2H	2H	12/tube	<b>\$2.35</b>
<b>196584</b>	300-3-4H	4H	12/tube	<b>\$2.35</b>

#### 0.5 mm

Stk.	Mfr.	Hardness	Qty.	Price
<b>196585</b>	C505-HB	HB	12/tube	<b>\$1.44</b>
<b>196586</b>	C505-H	H	12/tube	<b>\$1.44</b>
<b>196587</b>	C505-2H	2H	12/tube	<b>\$1.44</b>
<b>196588</b>	C505-4H	4H	12/tube	<b>\$1.44</b>
<b>196668</b>	C505-6H	6H	12/tube	<b>\$1.44</b>

#### 0.7 mm

Stk.	Mfr.	Hardness	Qty.	Price
<b>196589</b>	50-7-HB	HB	12/tube	<b>\$1.44</b>
<b>196590</b>	50-7-H	H	12/tube	<b>\$1.44</b>
<b>196591</b>	50-7-2H	2H	12/tube	<b>\$1.44</b>
<b>196669</b>	50-7-4H	4H	12/tube	<b>\$1.44</b>

#### 0.9 mm

Stk.	Mfr.	Hardness	Qty.	Price
<b>196592</b>	50-9-HB	HB	12/tube	<b>\$1.44</b>
<b>196593</b>	50-9-H	H	12/tube	<b>\$1.44</b>
<b>196594</b>	50-9-2H	2H	12/tube	<b>\$1.44</b>

### Kimberly® Drawing Pencils



**Alvin** All-wood casing of western cedar, specially treated for easy sharpening. Nonporous leads for extra long durable points and dense lines of high opacity.

Stk.	Mfr.	Hardness	Qty.	Price
<b>196565</b>	525G-HB	HB	12	<b>\$10.80</b>
<b>196566</b>	525G-H	H	12	<b>\$10.80</b>
<b>196567</b>	525G-2H	2H	12	<b>\$10.80</b>
<b>196568</b>	525G-4H	4H	12	<b>\$10.80</b>
<b>196569</b>	525G-6H	6H	12	<b>\$10.80</b>

### Paramount Circle Drawing Pencils



**Alvin** Drawing pencils have casing of selected cedar with comfortable semi-hex shape.

Stk.	Mfr.	Hardness	Qty.	Price
<b>196665</b>	5054-F	F	12	<b>\$6.84</b>
<b>196666</b>	5054-H	H	12	<b>\$6.84</b>
<b>196561</b>	5054-HB	HB	12	<b>\$6.84</b>
<b>196562</b>	5054-2H	2H	12	<b>\$6.84</b>
<b>196667</b>	5054-3H	3H	12	<b>\$6.84</b>
<b>196563</b>	5054-4H	4H	12	<b>\$6.84</b>
<b>196564</b>	5054-6H	6H	12	<b>\$6.84</b>

### No. 2 Pencil w/Eraser



**Alvin** Hexed shaped all wood pencil that sharpens to a smooth conical point. Non-toxic yellow finish. Non-smudge eraser secured by metal ferrule.

Stk.	Mfr.	Qty.	Price
<b>196019</b>	ALV2	144	<b>\$29.70</b>

### Mirado® No. 2 Pencils



**Paper Mate** Classic No. 2 pencil made of premium cedar with hexagon barrel. Long, straight woodgrain reduces friction during sharpening. Features pre-sharpened lead and rubber eraser.

Stk.	Mfr.	Qty.	Price
<b>943278</b>	05888	8	<b>\$3.43</b>

### Non-photo Blue Pencils



**Alvin** High quality eraser-tipped pencil creates a fine blue line that will not smear and does not reproduce by most photographic processes.

Stk.	Mfr.	Qty.	Price
<b>196290</b>	1824T	12	<b>\$14.60</b>

### Prismacolor® Premier Colored Pencils



**Sanford** Thick, soft leads made with permanent pigments are smooth, slow wearing, blend-able, water-resistant and light-fast.

**12-Color Set Includes** crimson red, orange, canary yellow, grass green, apple green, true blue, violet, violet blue, sienna brown, dark brown, black, white & tin case.

Stk.	Mfr.	Price
<b>196000</b>	PC952	<b>\$21.00</b>

**24-Color Set Includes** crimson red, poppy red, tuscan red, pink, peach, orange, spanish orange, goldenrod, canary yellow, dark green, grass green, true green, apple green, indigo blue, cerulean blue, true blue, mulberry, violet, violet blue, perma violet, sienna brown, dark brown, black, white & tin case.

Stk.	Mfr.	Price
<b>196001</b>	PC953	<b>\$39.70</b>

**Penstix Technical Markers**

**Alvin** Produces sharp lines for drawing or use with a straightedge. India Ink-quality black ink won't bleed through most papers. For technical drawing, sketching, fine art, lettering and illustration. Durable plastic fiber nib won't clog. Pocket clip and cap.

Stk.	Mfr.	Size	Color	Price
<b>196027</b>	3013-EEF	0.3mm	Black	<b>\$1.88</b>
<b>196028</b>	3015-EF	0.5mm	Black	<b>\$1.88</b>
<b>196029</b>	3017-F	0.7mm	Black	<b>\$1.88</b>

**3-Piece Set Includes** 0.3, 0.5, 0.7mm.

Stk.	Mfr.	Size	Color	Price
<b>196031</b>	3033		Black	<b>\$6.60</b>

**SHARPENERS****XLR Electric Sharpener**

**X-Acto** Hardened helical cutter for maximum precision & durability. Pencil Saver® technology prevents over-sharpening. Non-skid feet for safety. Auto reset/shutoff to prevent overheating. No electrical draw when not in use.

Stk.	Mfr.	Price
<b>477495</b>	1800	<b>\$28.80</b>

**SchoolPro® Sharpener**

**X-Acto** Sharpener produces a safe, rounded pencil point. Adjustable 6-position guide. Automatic stop prevents over-sharpening. Heavy-duty, quiet-running motor. Durable plastic case with see-through shavings receptacle.

Stk.	Mfr.	Price
<b>477400</b>	1670	<b>\$50.80</b>

**Power3 Sharpener**

**X-Acto** Hardened helical cutter for maximum precision and durability. Pencil Saver® technology prevents over-sharpening. SafeStart® prevents cutters from operating when receptacle is removed. Non-skid feet for safety. Auto reset/shutoff to prevent overheating. No electrical draw when not in use.

Stk.	Mfr.	Price
<b>477485</b>	1716	<b>\$61.20</b>

**Manual Sharpener**

**Boston** Positive-lock pencil guide for 8 different sizes. Pencil stop prevents over sharpening. Includes screws for mounting on desktop or wall.

Stk.	Mfr.	Price
<b>477000</b>	1031	<b>\$13.50</b>

**Heavy-duty Pencil Sharpener**

**Boston** Heavy-duty unit has solid steel gear and 30 cutting edges. Adjustable pencil guide for 8 different sizes. Beige metal stand. Mounts on desktop or on wall. Mounting screws included.

Stk.	Mfr.	Price
<b>476980</b>	1001	<b>\$30.80</b>

**Model L Pencil Sharpener**

**X-Acto** Heavy-duty, traditional Model L pencil sharpener mounts easily onto any horizontal surface. Single entry slot accommodates most standard-size pencils. Large chrome receptacle for shavings. Black handle and base.

Stk.	Mfr.	Price
<b>477050</b>	1041	<b>\$15.50</b>

**Pencil/Crayon Sharpener**

**Acme** Kleencut® pencil/crayon sharpener. Dual-hole metal sharpener with plastic container for shavings.

Stk.	Mfr.	Price
<b>189220</b>	12202	<b>\$3.78</b>

**Mini-Rotary Lead Pointer**

**Alvin** Lightweight lead pointer has removable top with built-in point cleaner. Made of high-impact plastic.

Stk.	Mfr.	Price
<b>196546</b>	42	<b>\$13.60</b>

**Point Cleaning Pads, 10/pkg.**

Stk.	Mfr.	Price
<b>196570</b>	EPI5	<b>\$6.33</b>

**Desk Clamp-on Style Lead Pointer**

**Alvin** Compact pointer makes smooth, precise points. 4 interchangeable collars accommodate various-sized lead holder diameters. Extra-large dust receptacle. 3-point cleaning pads and built-in storage for spare collars and pads. 2-point gauges in the turret measure lead extension for blunt or sharp points.

**Includes** 3 point cleaning pads, 4 collars & clamp (fits table up to 2"t).

Stk.	Mfr.	Price
<b>196053</b>	EP17	<b>\$23.10</b>

**Point Cleaning Pads, 12/pkg.**

Stk.	Mfr.	Price
<b>196052</b>	EP14	<b>\$2.24</b>

**Sandpaper Pointers**

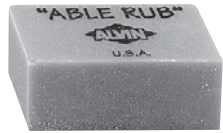
**Alvin** Ideal for pointing pencils, leads, charcoal and crayons by hand.

**Includes** 12 sheets of sandpaper mounted on a wooden handle.

Stk.	Mfr.	Price
<b>196596</b>	3435	<b>\$9.72</b>

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## ERASERS & SUPPLIES



### Art Gum Erasers

**Alvin** General purpose eraser. Also ideal for removing charcoal lines.

Stk.	Mfr.	Size	Qty.	Price
<b>196551</b>	I220AE	1" x 1" x 7/8"	24	<b>\$10.80</b>
<b>196552</b>	I223AE	2" x 1" x 7/8"	12	<b>\$10.20</b>



### Red Cap Erasers

**Sanford** Traditional chisel-shape eraser is designed to fit all standard-sized pencils.

Stk.	Mfr.	Qty.	Price
<b>196595</b>	73015FC	144	<b>\$14.60</b>



### Magic Rub Drafting Erasers

**Sanford** Specially-designed for removing marks from drafting film and tracing paper. White vinyl will not mark, smudge drafting surface.

Stk.	Mfr.	Qty.	Price
<b>196553</b>	73201	12	<b>\$13.20</b>



### Pink Pearl Erasers

**Sanford** Soft, pliable for smudge-free erasing on most surfaces. Beveled at both ends.

Stk.	Mfr.	Size	Qty.	Price
<b>196547</b>	70520	2-1/2" x 3/4"	24	<b>\$18.50</b>
<b>196548</b>	70521	2-1/2" x 1"	12	<b>\$12.30</b>



### Rub-Lite White Rose Erasers

**Alvin** Soft, pliable natural rubber eraser, beveled at both ends. Won't smudge or tear drafting surface.

Stk.	Mfr.	Size	Qty.	Price
<b>196475</b>	2303AE	2-1/2" x 3/4"	40	<b>\$23.70</b>



### White Vinyl Pencil Erasers

**Alvin** Non-abrasive, self-cleaning eraser removes graphite from paper, vellum and film without ghosting. Protective sleeve keeps hands and eraser clean. Phthalate- and latex-free.

Stk.	Mfr.	Size	Qty.	Price
<b>196228</b>	I410AE	2-3/8" x 7/8" x 1/2"	20	<b>\$16.00</b>



### Pen-style Clic Eraser

**Pentel** Nonabrasive white vinyl eraser in pen-style holder can be advanced easily as it wears.

Stk.	Mfr.	Price
<b>196597</b>	ZE22-B	<b>\$2.66</b>

### Refill Erasers, 2/pkg.

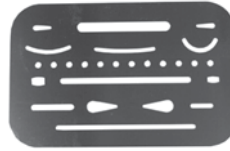
Stk.	Mfr.	Price
<b>196598</b>	ZER	<b>\$2.31</b>



### Professional Draftsman's Cleaning Pads

**Alvin** Powdered gum eraser in a mesh fabric pad that gently removes smudges and dirt from drafting media without abrading the surface. Nothing cleans so easily or so thoroughly.

Stk.	Mfr.	Size	Price
<b>196225</b>	I238	1.5 oz.	<b>\$3.76</b>
<b>196222</b>	I248	3 oz.	<b>\$5.40</b>



### Erasing Shield

**Alvin** Quality stainless steel shield protects surrounding artwork when erasing. 26 precision tooled openings. Polished, tarnish-resistant finish.

Stk.	Mfr.	Price
<b>196652</b>	3298	<b>\$1.06</b>



### Dusting Brushes

**Alvin** Comfortable curved handle holds sterilized mixed horsehair in a single row of tufts to provide a stiff brushing action.

Stk.	Mfr.	Length	Price
<b>196286</b>	2340	10"	<b>\$5.03</b>
<b>196278</b>	2342	15-1/2"	<b>\$5.90</b>

## ADHESIVES & TAPE



### Double-sided Tape

**Alvin** Special, thin, double-coated tissue paper tape has adhesive on both sides, protected by silicone paper. Interlined for quick, easy application.

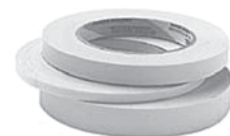
Stk.	Mfr.	Width	Length	Core	Price
<b>196260</b>	2400-A	3/4"	36 yd.	3"	<b>\$11.50</b>
<b>196279</b>	2400-B	1"	36 yd.	3"	<b>\$15.00</b>
<b>196287</b>	2400-C	1"	25'	1-1/2"	<b>\$7.04</b>



### Invisible Tape

**Alvin** Disappears completely on all papers, and won't create shadowy ghosts on photocopies or diazo copies. Long-lasting, moisture-resistant tape won't curl, crack or yellow and has strong holding power. For blueprinters, architects and engineers. Will also mend torn vellum sheets.

Stk.	Mfr.	Item	Width	Length	Core	Price
<b>196255</b>	CC134	Tape w/ Dispenser	3/4"	36 yd.	1"	<b>\$13.70</b>
<b>196256</b>	CC340	Tape Refill	3/4"	36 yd.	1"	<b>\$11.20</b>



### Opaque Drafting Tape

**Alvin** Smooth "low tack" surface. Leaves no stain, sticky particles or abraded surface.

Stk.	Mfr.	Width	Length	Core	Price
<b>196276</b>	2300-A	1/2"	60 yd.	3"	<b>\$6.17</b>
<b>196275</b>	2300	3/4"	10 yd.	1-1/2"	<b>\$4.66</b>
<b>196277</b>	2300-B	3/4"	60 yd.	3"	<b>\$8.06</b>





### Drafting Strips

**Alvin** Strips stored in a pull-tab dispenser that supplies 2 strips simultaneously.

Stk.	Mfr.	Size	Qty.	Price
<b>196136</b>	DS125	3/8" x 1-1/2"	500	<b>\$10.80</b>



### Drafting Dots

**Alvin** Dots secure work on drawing surfaces to prevent paper curl and tear. Good tack, but easily removed without damage to artwork. Stored in a pull-tab dispenser.

Stk.	Mfr.	Size	Qty.	Price
<b>196134</b>	DM123	7/8" dia.	500	<b>\$9.86</b>

## STAPLER



### Impulse Drive™ Electric Stapler

**Bostitch** Classic black, 25 sheet capacity stapler with No-Jam™ technology eliminates frustrating staple jams. Refill alert light indicates when to reload staples. FastLoad™ push-button staple refill system. 210 staple capacity. Uses standard staples. Mfr.'s 7-yr. limited warranty. UL Listed.

Stk.	Mfr.	Price
<b>838505</b>	02210	<b>\$79.30</b>

**1/4" Staples X-Acto** Boston standard staples are compatible with all standard staplers.

Stk.	Mfr.	Size	Qty.	Price
<b>477525</b>	73785B	1/4"	5,000	<b>\$2.22</b>

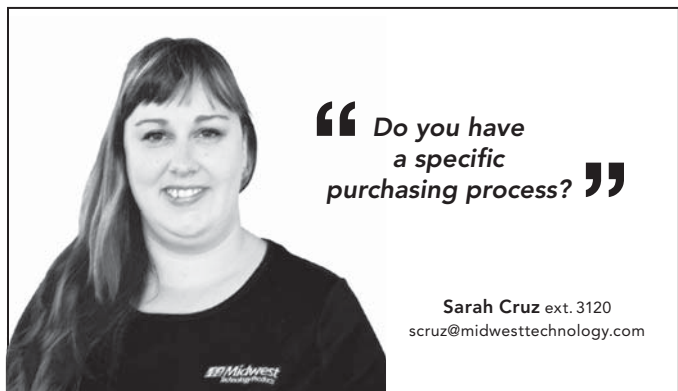
## HOLE PUNCH



### Adjustable 3-Hole Punch

**Alvin** All-steel punch drills up to 12 sheets at a time (16 lb. paper). Adjusts for 2- or 3-hole punching. Rear chip tray.

Stk.	Mfr.	Price
<b>196017</b>	00780	<b>\$16.70</b>



“ Do you have a specific purchasing process? ”

Sarah Cruz ext. 3120  
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## PAPER



### Guillotine Paper Trimmers

**X-Acto** Hardened steel blade provides consistent precision cutting through multiple sheets of various materials (all paper types, photographs, fabrics & film). Perpetual edge self-sharpening system.

Square platform and reduced-edge profile eases cutting of long or odd-shaped materials. Platform's multi-square design assists user in lining up materials to cut.

- Safety latch on arm & safety guard keep fingers from blade
- Heavy-weight solid wood base (3/4" T)
- For high-use in schools

Stk.	Mfr.	Size	Price
<b>476970</b>	26615	15" x 15"	<b>\$115.00</b>
<b>476971</b>	26618	18" x 18"	<b>\$172.00</b>
<b>476972</b>	26624	24" x 24"	<b>\$218.00</b>
<b>476973</b>	26630	30" x 30"	<b>\$323.00</b>



### Cross Section Drawing Paper

**Alvin** Non-reproducible blue grid on 1 side with inch squares accentuated. Good erasing qualities and easy-to-read markings. 20 lb. paper.

### 4x4 grid, 50 sheet pads

Stk.	Mfr.	Size	Price
<b>196250</b>	1422-2	8-1/2" x 11"	<b>\$8.06</b>
<b>196402</b>	1422-7	11" x 17"	<b>\$12.50</b>
<b>196405</b>	1422-12	17" x 22"	<b>\$22.60</b>

### 4x4 grid, 100 sheet packs

Stk.	Mfr.	Size	Price
<b>196653</b>	1420-2	8-1/2" x 11"	<b>\$12.90</b>
<b>196655</b>	1420-7	11" x 17"	<b>\$24.20</b>
<b>196657</b>	1420-12	17" x 22"	<b>\$39.40</b>

### 8x8 grid, 50 sheet pads

Stk.	Mfr.	Size	Price
<b>196252</b>	1422-4	8-1/2" x 11"	<b>\$8.06</b>
<b>196403</b>	1422-9	11" x 17"	<b>\$12.50</b>
<b>196406</b>	1422-14	17" x 22"	<b>\$22.60</b>

### 8x8 grid, 100 sheet packs

Stk.	Mfr.	Size	Price
<b>196654</b>	1420-4	8-1/2" x 11"	<b>\$12.90</b>
<b>196656</b>	1420-9	11" x 17"	<b>\$24.20</b>

### 10x10 grid, 50 sheet pads

Stk.	Mfr.	Size	Price
<b>196253</b>	1422-5	8-1/2" x 11"	<b>\$8.06</b>
<b>196404</b>	1422-10	11" x 17"	<b>\$12.50</b>
<b>196407</b>	1422-15	17" x 22"	<b>\$22.60</b>

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### Premium Heavyweight Mechanical Drawing Paper

**Alvin** Premium quality for drafting and drawing. Tough sulphite paper has a fine tooth finish and exceptionally good erasing qualities. 45% recycled fiber content. 80 lb. paper.

#### University (white)

Stk.	Mfr.	Size	Qty.	Price
<b>196340</b>	8050-1	9" x 12"	500	<b>\$57.00</b>
<b>196344</b>	8050-3	12" x 18"	500	<b>\$114.00</b>
<b>196347</b>	8050-6	18" x 24"	250	<b>\$118.00</b>

#### Buff-tex (cream)

Stk.	Mfr.	Size	Qty.	Price
<b>196380</b>	9040-1	9" x 12"	500	<b>\$57.00</b>
<b>196384</b>	9040-3	12" x 18"	500	<b>\$114.00</b>
<b>196385</b>	9040-6	18" x 24"	250	<b>\$118.00</b>

#### Pine-tex (pale green)

Stk.	Mfr.	Size	Qty.	Price
<b>196420</b>	9430-1	9" x 12"	500	<b>\$57.00</b>
<b>196426</b>	9430-3	12" x 18"	500	<b>\$114.00</b>
<b>196383</b>	9430-6	18" x 24"	250	<b>\$118.00</b>



### Isometric Sketching Paper

**Alvin** White sulphite paper with non-reproducible blue grid for mechanical drawing or design. Scale drawings in 3 directions (the axes are 120° apart, one at vertical, the other at 30°). 60 lb. paper.

#### 100 sheet packs

Stk.	Mfr.	Size	Price
<b>196332</b>	1242-5	8-1/2" x 11"	<b>\$15.10</b>
<b>196333</b>	1242-6	11" x 17"	<b>\$29.50</b>

#### 500 sheet packs

Stk.	Mfr.	Size	Price
<b>196334</b>	1242-3	8-1/2" x 11"	<b>\$56.20</b>
<b>196335</b>	1242-4	11" x 17"	<b>\$109.00</b>



### Alva-Line 100% Rag Vellum Tracing Paper

**Alvin** Medium-weight vellum made of 100% new cotton rag fibers, imparting high resistance to wear and tear. Non-fading blue-white paper has finely-grained surface with excellent pencil/ink receptivity, nonghosting erasure traits. Pencil lines don't become embedded. 16 lb. paper (.00275 thickness).

#### 100 sheet packs

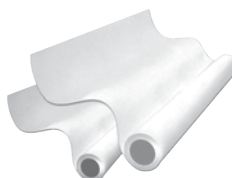
Stk.	Mfr.	Size	Price
<b>196453</b>	6855-S-1	8-1/2" x 11"	<b>\$19.20</b>
<b>196454</b>	6855-S-3	9" x 12"	<b>\$25.00</b>
<b>196455</b>	6855-S-5	11" x 17"	<b>\$38.50</b>
<b>196456</b>	6855-S-6	12" x 18"	<b>\$49.40</b>
<b>196457</b>	6855-S-7	17" x 22"	<b>\$73.00</b>
<b>196458</b>	6855-S-8	18" x 24"	<b>\$78.80</b>

#### 20 yd. rolls

Stk.	Mfr.	Size	Price
<b>196443</b>	6855-A	30"	<b>\$52.70</b>
<b>196444</b>	6855-B	36"	<b>\$55.70</b>

#### Title Block & Border 100 sheet packs

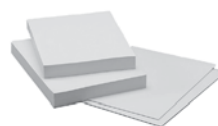
Stk.	Mfr.	Size	Price
<b>196446</b>	6855-B-1	8-1/2" x 11"	<b>\$33.50</b>
<b>196447</b>	6855-B-2	9" x 12"	<b>\$37.90</b>
<b>196448</b>	6855-B-3	11" x 17"	<b>\$66.90</b>
<b>196449</b>	6855-B-4	12" x 18"	<b>\$69.40</b>
<b>196451</b>	6855-B-5	17" x 22"	<b>\$118.00</b>
<b>196452</b>	6855-B-6	18" x 24"	<b>\$137.00</b>



### Bright White Opaque Bond Plotter Paper

**Clearprint** Creates a high-contrast background for reading. Economical for quick check plots. Use for HP, Encad, NovaJet and Cal-Comp plotters (black only). 20 lb.

Stk.	Mfr.	Size	Price
<b>196337</b>	CP33101131	24" x 50 yd.	<b>\$26.70</b>
<b>196341</b>	CP33101152	36" x 50 yd.	<b>\$37.10</b>



### Heavy Weight Opaque Plotter Bond

**Alvin** Extremely durable, yet economical, snow white finish provides excellent contrast. Great for pen or ink jet use. Use when diazo production is not intended. Recommended pen type: felt tip or ballwriter.

#### 50 sheet packs

Stk.	Mfr.	Size	Price
<b>196411</b>	5811-9	22" x 34"	<b>\$29.40</b>
<b>196412</b>	5811-10	24" x 36"	<b>\$34.10</b>

#### 100 sheet packs

Stk.	Mfr.	Size	Price
<b>196409</b>	5811-5	11" x 17"	<b>\$14.20</b>
<b>196410</b>	5811-7	17" x 22"	<b>\$25.90</b>
<b>196311</b>	5811-8	18" x 24"	<b>\$27.90</b>

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## FIRST AID



### 85- & 192-Piece First Aid Kits

**North** Economical bulk supplies that can be readily accessed when needed. Ideal for manufacturing settings where a wide variety of first aid items are required. Waterproof metal case.

**Includes** elastic & adhesive bandages, burn cream, antibiotic ointment, cold pack, gloves, forceps, scissors, gauze pads, eyewash, eye pads, dressings, sting relief wipes, CPR shield & more.

**ANSI Z308.1-2009 compliant.**

Stk.	Mfr.	Persons	Pieces	Price
<b>475100</b>	019703-0002L	25	85	<b>\$42.30</b>
<b>475101</b>	019705-0003L	50	192	<b>\$77.60</b>



### 113-Piece First Aid Kit

**Acme** Stores a variety of supplies to treat cuts, scrapes, bruises, minor eye irritations and minor burns. Dust and moisture resistant molded case. Built-in handle. Wall mountable.

**Includes** 50 alcohol pads, 50 adhesive bandages, (3/4" x 3"), 1 instant cold pack, 2 antibiotic packets, 2 burn cream packets, 1 conforming gauze roll (2"), 1 first aid tape roll, 1 pair latex gloves, scissors, plastic tweezers & first aid guide.

Stk.	Mfr.	Persons	Pieces	Price
<b>189261</b>	25001	25	113	<b>\$35.50</b>



### 940- & 704-Piece Kits

**Acme** Well-stocked stations with product location map on each shelf to help with organization and reordering. Wall-mountable metal case (*mounting hardware not included*).

**Includes** elastic & adhesive bandages, burn cream, antibiotic ointment, pain relief products, cold pack,

gloves, forceps, scissors, gauze pads, alcohol pads, iodine pads, eyewash & eye pads, dressings, tourniquet, sting relief pads, CPR shield, personal protection kit & more.

Stk.	Mfr.	Persons	Pieces	Price
<b>189291</b>	14302	100	940	<b>\$331.00</b>
<b>189292</b>	14303	50	704	<b>\$271.00</b>



### Bandage Strips

**Acme** 3/4" x 3" adhesive plastic bandages.

Stk.	Mfr.	Qty.	Price
<b>189125</b>	40600	100	<b>\$9.98</b>



### First Aid Cabinet

**Durham** Prime cold rolled steel cabinet w/2 adjustable shelves. Door is welded in place w/a full piano hinge & rust-resistant hinge pin. 2 positive catches secure door while closed. Carry handle. Keyhole hang slots. White powder-coated, rust/acid-resistant finish. 11 lbs.

15"W x 5-9/16"D x 16-5/32"H. **Shown w/Door Pouch, sold separately.**

Stk.	Mfr.	Price
<b>345080</b>	534AV-43	<b>\$58.10</b>

### 12 Pocket Plastic Door Pouch

<b>345082</b>	564-H721	<b>\$11.20</b>
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### Blood-borne Pathogen Kit

**Acme** Personal protection kit is designed to protect from blood-borne pathogens. Meets OSHA standards for cleaning bodily fluid spills, plus preventing disease and contamination.

**Includes** apron, shielded face mask, 2 shoe covers, 2 large powdered latex gloves, absorbent

pack, scoop/scrapper, 2 biohazard bags w/twist ties, 3 towels (14" x 21-1/2" ea.), germicidal wipe, 2 anti microbial wipes, instruction sheet & case.

**Meets OSHA & ACM 91100 standards.**

Stk.	Mfr.	Pieces	Price
<b>189290</b>	91100	17	<b>\$29.70</b>



### Fire/First Aid Blanket

**Steiner** Flame retardant, wool blanket with serge hems can be used to smother flames and cover injured students. Red nylon storage pouch is vinyl coated to withstand water, weather and cold. Also features carrying strap, 4 heavy-duty hanging grommets and a Velcro™ fastener.

**Meets 16 CFR Part 1610 standard for flame retardant use.**

Stk.	Mfr.	Size	Price
<b>884885</b>	BTPCO	5' 2" x 7"	<b>\$83.80</b>



### Fire Blanket w/Cabinet

**sellstrom** White fiberglass, heat-resistant blanket to cover the fire, or to wrap around a person whose clothes are on fire. Protects for excursion temperatures to 1000°F. Chemical resistant red steel cabinet is wall-mountable (15"H x 15"W x 2"D) and designed to protect blanket from common exposure.

Stk.	Mfr.	Size	Price
<b>772740</b>	97457	5' x 6'	<b>\$120.00</b>



### Emergency Instruction Device (EID)

**First Voice** Just 4 minutes in a medical emergency can mean the difference between life and death. EID is a life saving, affordable device that allows rescuers to help mediate the situation until 911 assistance arrives.

Types of injuries & medical emergencies addressed:

- Bleeding, shock, childbirth
- Heart, chest pain, stroke
- Heat, cold, overexertion
- Multiple injuries
- Fracture, sprain
- Seizure, diabetic
- Head, neck, spine
- CPR, choking, drowning
- Eye
- Burns
- & more

Ways EID benefits rescuers:

- Reduces panic & confusion
  - English & Spanish instruction (*add'l. languages avail.*)
- Size 9"H x 11.5"W x 1.25"D. Weight 2 lbs. (*w/batteries*)

**Requires 3 AA batteries or rechargeable batteries, sold separately.**

Stk.	Mfr.	Price
<b>892368</b>	AVU5001	<b>\$258.00</b>

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[www.midwesttechnology.com](http://www.midwesttechnology.com)



**Samaritan PAD System Defibrillator**

**HeartSine** Sudden Cardiac Arrest (SCA) is a leading cause of death and response time is critical for survival. The Samaritan PAD System is designed especially for use in public areas by the lay, minimally-trained rescuer.

- AED (Automated External Defibrillator) is a small, efficient & easy-to-use lifesaving unit
- Durable, resists shock & vibration, plus carries an IP56 Rating (the industry's highest rating against dust & water) for use in the most inclement conditions
- Advanced technology SCOPE™ (Self Compensating Output Pulse Envelope) Biphasic technology automatically optimizes energy output for each person & provides significantly better performance in removing ventricular fibrillation (VF) by the third shock (Efficacy of Distinct Energy Delivery Protocols Comparing 2 Biphasic Defibrillators for Cardiac Arrest)
- User-friendly visual & voice prompts easily & clearly guide user through the process, plus 2-button operation (on & shock)

Size 8.0" x 7.25" x 1.9". Weight 2.4 lbs. (w/Pad-Pak battery).

**Includes** PAD defibrillator, adult Pad-Pak (electrode pads & battery), quick reference card, training DVD, medical prescription authorization, AED+CPR responder kit, inspection maintenance tag, AED "Equipped Facility" decal, manual & case.

Stk.	Mfr.	Item	Price
<b>892370</b>	HS01	Complete PAD System	<b>\$1,360.00</b>
<b>892371</b>	HS001F	System w/Cabinet & Alarm	<b>\$1,589.00</b>
<b>892372</b>	PADCAB02	Wall Bracket	<b>\$114.00</b>

**Pad-Pak™ Refill** 18V Li-ion manganese dioxide battery (LiMnO2) cartridge w/0.8 amp hrs., capacity of >30 shocks at 200J (or 6 hrs. of continuous monitoring), 3.5 yr. shelf life (from mfr. date), 20.5" active gel area (ea. pad). 3.5'L cable. **Includes** electrode pads, battery cartridge & holder.

Stk.	Mfr.	Item	Price
<b>892374</b>	PP01	Adult	<b>\$195.00</b>
<b>892376</b>	PP02	Pediatric	<b>\$223.00</b>

**PROTECTIVE CLOTHING**



**Long Sleeve Coats**

**Red Kap** Durable 80% polyester/20% cotton 5-button coat endures industrial laundering wash after wash. Left exterior chest pocket with backtacked pencil stall and 2 lower exterior pockets. Side vent openings allow access to clothing. Navy Blue. **Not fireproof.**

Stk.	Mfr.	Size	Price
<b>578100</b>	KP14-NV-36	36	<b>\$32.30</b>
<b>578101</b>	KP14-NV-38	38	<b>\$32.30</b>
<b>578102</b>	KP14-NV-40	40	<b>\$32.30</b>
<b>578103</b>	KP14-NV-42	42	<b>\$32.30</b>
<b>578104</b>	KP14-NV-44	44	<b>\$38.00</b>
<b>578105</b>	KP14-NV-46	46	<b>\$38.00</b>
<b>578106</b>	KP14-NV-48	48	<b>\$38.00</b>
<b>578107</b>	KP14-NV-50	50	<b>\$38.00</b>
<b>578108</b>	KP14-NV-52	52	<b>\$38.00</b>



**Disposable Lab Coats**

**3M** Disposable safety work wear made from a light polypropylene material. Protects the wearer against non-hazardous dusts and non-hazardous light liquid splashes. Lightweight, internal pocket, zipper closure. Elastic cuffs, breathable material. Blue. **Not fireproof.**

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>590260</b>	4400-M	Medium	50	<b>\$126.00</b>
<b>590261</b>	4400-L	Large	50	<b>\$126.00</b>
<b>590262</b>	4400-XL	X-Large	50	<b>\$126.00</b>



**Cotton Aprons**

**Steiner** 2-pocket, 9 oz. cotton denim bib style apron. Floating pencil pocket on chest will not spill contents when wearer bends at waist. Includes neck and waist ties.

**Not fireproof.**

**Quantity Savings!**

Stk.	Mfr.	Size	Qty.	Price	24 or more
<b>885098</b>	02935	28" x 35"	1	<b>\$8.25</b>	<b>\$6.99</b>
<b>885099</b>	02940	29" x 40"	1	<b>\$8.80</b>	<b>\$7.49</b>



**Vinyl Lab Apron**

**River City** Made from high quality 8 mil. virgin vinyl. Resistant to fats, oils, chemicals & abrasions. Sewn edge. Adjustable ties. Blue.

**Not fireproof.**

Stk.	Mfr.	Size	Qty.	Price
<b>618715</b>	07354	35" x 45"	1	<b>\$3.90</b>



**Lightweight Cotton Apron**

**Irwin** Bib apron provides full body protection. 5 pockets. Machine washable.

**Not fireproof.**

Stk.	Mfr.	Size	Price
<b>619520</b>	4031052	35" x 45"	<b>\$13.10</b>



**Back Support Belts**

**McGuire-Nicholas**

- Promotes proper lifting technique
- Suspender straps
- Breathable liner

Stk.	Mfr.	Size	Price
<b>532325</b>	629-7-M/L	Medium - Large 33" -43"	<b>\$15.20</b>
<b>532326</b>	629-7-XL	X-Large 44" - 54"	<b>\$15.80</b>

**GLOVES**



**Cotton Jersey Work Gloves**

**Ammex** Soft brown cotton gloves with knit wrist to fit small or large sizes.

Stk.	Mfr.	Size	Price
<b>942902</b>	BJ-S	Small	<b>\$1.91</b>
<b>942904</b>	BJ-L	Large	<b>\$1.91</b>



**Hi-Viz Knit Dip Gloves**

**Radians** 15-ga. high visibility nylon shell. Elastic cuff for comfortable, slip-on fit. Micro-foam dipped latex palm provides durability and slip-free grip.

Stk.	Mfr.	Size	Price
<b>687841</b>	RWG10M	Medium	<b>\$4.87</b>
<b>687842</b>	RWG10L	Large	<b>\$4.87</b>



### Synthetic Leather Work Gloves

**DEWALT** Terry cloth with breathable spandex back-hand. Reinforced padded palm. Breathable, flexible neoprene between fingers, and in knuckle strap and wrist system. ToughGrip™ reinforced fingertips and thumb saddle. Elastic cuff with hook and loop closure. ToughThread™ double stitching. Concealed inner seams. Machine washable.

Stk.	Mfr.	Size	Price
<b>687830</b>	DPG20M	Medium	<b>\$15.60</b>
<b>687831</b>	DPG20L	Large	<b>\$15.60</b>
<b>687832</b>	DPG20XL	X-Large	<b>\$15.60</b>



### Leather Palm Work Gloves

**Steiner** Shoulder-split leather on palm, thumb, index finger, fingertips and knuckle strap with soft palm lining. Safety cuff style features gunn cut pattern with wing thumb, pull tab and rubberized cuffs.

Stk.	Mfr.	Size	Price
<b>885000</b>	SPC02	Large	<b>\$5.23</b>



### Premium Leather Work Gloves

**Steiner** Premium heavyweight side split cowhide palm gloves. Soft lined palm, rubberized 2" safety cuff.

Stk.	Mfr.	Size	Price
<b>885005</b>	SPC22	Large	<b>\$6.67</b>



### Premium Cowhide Gloves

**Anchor** Quality premium grain cowhide leather for comfortable and reliable protection. Unlined with hemmed cuff. Keystone thumb with shirred elastic back.

Stk.	Mfr.	Size	Price
<b>618726</b>	4010L	Large	<b>\$14.40</b>



### Vinyl Gloves

**Ammex** Highly sensitive touch for painting, staining, electronics work, assembly and food handling. Ambidextrous design. 5 mil thick.

Stk.	Mfr.	Size	Qty.	Price
<b>198000</b>	IV42100-S	Small	100	<b>\$5.88</b>
<b>198001</b>	IV44100-M	Medium	100	<b>\$5.88</b>
<b>198002</b>	IV46100-L	Large	100	<b>\$5.88</b>
<b>198003</b>	IV48100-XL	X-Large	100	<b>\$5.88</b>



### Latex-free Nitrile Gloves

**Ammex** Low-powder, blue synthetic rubber gloves protect from most solvents and oils, plus offer abrasion, cut and puncture protection. Ambidextrous, single use glove with beaded cuff and micro-texture finish. 5 mil thick, 9.5"L.

**Not for use w/ketones & some organic solvents.**

Stk.	Mfr.	Size	Qty.	Price
<b>198012</b>	XN44100-M	Medium	100	<b>\$11.40</b>
<b>198013</b>	XN46100-L	Large	100	<b>\$11.40</b>
<b>198014</b>	XN48100-XL	X-Large	100	<b>\$11.40</b>



### Latex Gloves

**Ammex** Seamless construction, rolled cuff, fits either hand. Extra stretch for best fit, highly sensitive touch. 10"L, 5 mil thick.

**Caution: natural latex may cause allergic reactions in some individuals.**

### Powdered

Stk.	Mfr.	Size	Qty.	Price
<b>198004</b>	TL42100-S	Small	100	<b>\$8.91</b>
<b>198005</b>	TL44100-M	Medium	100	<b>\$8.91</b>
<b>198006</b>	TL46100-L	Large	100	<b>\$8.91</b>
<b>198007</b>	TL48100-XL	X-Large	100	<b>\$8.91</b>

### Powder-Free

Stk.	Mfr.	Size	Qty.	Price
<b>198008</b>	TLF42100-S	Small	100	<b>\$10.10</b>
<b>198009</b>	TLF44100-M	Medium	100	<b>\$10.10</b>
<b>198010</b>	TLF46100-L	Large	100	<b>\$10.10</b>
<b>198011</b>	TLF48100-XL	X-Large	100	<b>\$10.10</b>



### Polyethylene Gloves

**Ammex** Gloves have heat-sealed seams and fit either hand. USDA accepted. 1.25 mil thick.

Stk.	Mfr.	Size	Qty.	Price
<b>198015</b>	PGLOVE-S	Small	100	<b>\$1.94</b>
<b>198016</b>	PGLOVE-M	Medium	100	<b>\$1.94</b>
<b>198017</b>	PGLOVE-L	Large	100	<b>\$1.94</b>



### Magnetic Glove Dispenser

**Lisle** Dispenser attaches to tool box or any ferrous metal surface. 2 large magnets hold unit in place, or mount to wall using screw slots provided. 3 adjusting springs accommodate all common sizes of disposable gloves, both 50 & 100 pkgs. Made of powder-coated steel.

Stk.	Mfr.	Price
<b>503830</b>	20130	<b>\$27.10</b>

## WELDING GLOVES

### Cowhide Welding Gloves



**Steiner** Heat Resistor™ triple layer lined side split cowhide gloves. Aluminized Mylar® inner layer reflects radiant heat off back of hand. Wing thumb with double reinforced palm and thumb. Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885045</b>	02139	Large	<b>\$18.40</b>

### Red Welding Gloves



**Steiner** Red side split cowhide gloves with foam insulated back and palm with full cotton lining. Straight thumb with reinforced thumb and palm. Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885090</b>	02719	Large	<b>\$15.90</b>



### Foam-lined Welding Gloves

**Steiner** Brown side split cowhide gloves with foam insulated full cotton lining. Reinforced wing thumb. Fully welted and Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885220</b>	2119B	Large	<b>\$15.00</b>



### Economy Welding Gloves

**Steiner** Gray shoulder split cowhide gloves with full cotton lining. Fully welted.

Stk.	Mfr.	Size	Price
<b>885050</b>	02209	Large	<b>\$9.57</b>



### Natural Thumb™ Welding Gloves

**Steiner** Green premium grade side split cowhide gloves with triple layer insulated Heat Resistor™ lined back, foam insulated palm. Natural thumb design reduces fatigue. Reinforced thumb and palm patch. Fully welted and Kevlar® sewn. Green.

Stk.	Mfr.	Size	Price
<b>885016</b>	023NT	Large	<b>\$22.40</b>



### Premium-grain Pigskin MIG Gloves

**Steiner** Premium grain pigskin with reverse grain pigskin palm. Fully welted gloves with foam insulated back, unlined palm, straight thumb, reinforced thumb strap and 5" cuff.

Stk.	Mfr.	Size	Price
<b>885010</b>	P750M	Medium	<b>\$17.10</b>
<b>885011</b>	P750L	Large	<b>\$17.10</b>
<b>885012</b>	P750XL	X-large	<b>\$17.10</b>



### MIG Welding Gloves

**Miller** Select-grade leather with unprecedented comfort and performance. Lined gloves with dual padded palm for added comfort. Fleece insulated palm, foam insulated back. Original wrap-around keystone thumb design for exceptional dexterity and comfort.

Stk.	Mfr.	Size	Price
<b>566263</b>	263-333	Large	<b>\$36.00</b>



### Premium TIG Welding Gloves

**Miller** Premium goat grain leather. Completely unlined for superior flexibility and dexterity. Triple padded palm for added comfort. Sewn w/100% flame-resistant Kevlar® thread for maximum seam strength.

Stk.	Mfr.	Size	Price
<b>566264</b>	263-348	Large	<b>\$36.00</b>



### Split Deerskin TIG Gloves

**Steiner** Unlined split deerskin gloves with straight thumb and 2" cuff. Kevlar® stitched.

Stk.	Mfr.	Size	Price
<b>885025</b>	0221L	Large	<b>\$13.40</b>



### TIG Welding Gloves

**Steiner** Unlined, Kevlar®-stitched sheepskin gloves. Sensi-TIG™ seamless index finger and straight thumb. 4" gray cuff.

Stk.	Mfr.	Size	Price
<b>885027</b>	0223M	Medium	<b>\$17.10</b>
<b>885028</b>	0223L	Large	<b>\$17.10</b>
<b>885029</b>	0223XL	X-large	<b>\$17.10</b>



### Z-Flex Plus™ Treated Fiberglass High Heat Gloves

**Steiner** 35 oz. highly texturized silica yarn treated to withstand temperatures up to 2000°F. Moderate abrasion resistance with full 11 oz. wool insulated lining.

Stk.	Mfr.	Item	Size	Price
<b>885110</b>	07115	Reversible Mittens	14"L	<b>\$71.10</b>
<b>885109</b>	07114	Gloves	14"L	<b>\$85.70</b>



### Aramid/Fiberglass High Heat Gloves

**Steiner** 22 oz. Aramid (Kevlar) fibers and fiberglass blend to create gloves that withstand exposure up to 600°F. Full 11 oz. wool-insulated lining. Superior abrasion and cut resistance.

Stk.	Mfr.	Size	Price
<b>885115</b>	08314	14"L	<b>\$58.00</b>

## WELDING CLOTHING



### Welder's Protection Starter Pack

**Miller** Arc Armor® premium welding protection for the hobbyist to the professional welder.

**Includes** variable shade auto-darkening helmet, 9 oz. flame resistant cotton navy welding jacket, MIG welding gloves, metalworking gloves, 20-pocket tool bag & safety glasses.

Stk.	Mfr.	Size	Price
<b>566266</b>	255-848	Large	<b>\$197.00</b>
<b>566267</b>	255-850	X-Large	<b>\$197.00</b>
<b>566268</b>	255-851	2X-Large	<b>\$213.00</b>



### Kevlar Bib Apron

**Steiner** Made from a blend of Kevlar® and fiberglass, this apron resists heat up to 600°F. Abrasion and cut resistant.

Stk.	Mfr.	Size	Price
<b>885205</b>	18425	24"W x 39"L	<b>\$76.40</b>



### Kevlar Sleeves

**Steiner** Made from a blend of Kevlar® and fiber-glass, sleeves resist heat up to 600°F. Abrasion and cut resistant. Sleeves protect up to the mid-biceps muscle and snaps at the wrist.

Stk.	Mfr.	Size	Price
<b>885207</b>	18440	18"L	<b>\$56.90</b>



### Leather Leggings with Spats

**Steiner** Protect your lower legs and shoes with 12" leather leggings featuring a hook and loop fastener to hold leggings in place and 9" leather shoe protector.

Stk.	Mfr.	Price
<b>885195</b>	12186	<b>\$65.60</b>



### Weldmite™ Cotton Bib Aprons

**Steiner** A protective clothing option that is lighter and more comfortable than leather for applications not requiring leather. Made from 12 oz. permanently flame retardant fabric, the 100% cotton will retain its flame retardant properties even after repeat washings. These bucktan garments are sewn from full-cut patterns and offer adjustable neck and waist straps.

Stk.	Mfr.	Size	Price
<b>885125</b>	10125	24" x 36"	<b>\$14.10</b>
<b>885126</b>	10126	24" x 40"	<b>\$15.40</b>



### Leather Spats

**Steiner** Full protection for foot and ankle. 5"H spats fasten by 3 adjustable straps on the ankle and 1 on the instep.

Stk.	Mfr.	Price
<b>885194</b>	12185	<b>\$23.60</b>



### Weldlite™ Flame Retardant Clothing

**Steiner** 9 oz. cotton clothing is permanently flame retardant without taking away from its natural qualities. It's cooler and lighter than leather. Ideal for indoor or warm weather use. Stress points are bar tacked for greater strength. Green color.

**885132**  
**885136 &**  
**885139**  
**(right)**



### Weld-Rite™ Leather Jackets

**Steiner** Weld-Cool™ side split cowhide jackets feature underarm ventilation and riveted open seam upper back to increase air circulation and provide cool comfort in warm environments. Strong, flexible leather resists cuts, sparks and slag. Reinforced, non-reflective snaps and Kevlar® stitched seams. Satin lined shoulders and upper arm. Stand-up/roll down leather collar snaps securely in place to protect neck. Adjustable waist cinch straps for comfortable tapered fit. Soap stone holder on each upper arm.

**Jackets** 30"L jacket has inside chest pocket and non-reflective snap closure and snaps at wrist.

Stk.	Mfr.	Size	Price
<b>885132</b>	1030-M	Medium	<b>\$24.20</b>
<b>885133</b>	1030-L	Large	<b>\$24.20</b>
<b>885134</b>	1030-X	X-large	<b>\$24.20</b>
<b>885131</b>	1030-2X	2X-large	<b>\$26.60</b>

**Cape Sleeves & Bib** Arm & upper torso protection. Non-reflective snap closure & wrist snaps. Detachable bib for added protection, sold separately.

Stk.	Mfr.	Size	Price
<b>885136</b>	1032-M	Medium	<b>\$18.90</b>
<b>885137</b>	1032-L	Large	<b>\$18.90</b>
<b>885138</b>	1032-X	X-Large	<b>\$18.90</b>
<b>885144</b>	1032-2X	2X-Large	<b>\$20.80</b>
<b>885135</b>	10315	Bib, 19"L	<b>\$6.37</b>

**Split Leg Apron** Protection w/freedom of movement. Reinforced crotch & adjustable waist, neck & leg straps.

Stk.	Mfr.	Size	Price
<b>885139</b>	10336	24"VV x 40"L	<b>\$15.90</b>



### Leather Cape Sleeves w/Bib

**Steiner** USA domestic side split cowhide cape sleeves with 14"L bib. Double lock stitched Kevlar® sewn seams. Riveted at stress points with non-reflective black snaps at collar, front closures and wrist. Stand-up/roll down leather collar snaps securely in place.

Stk.	Mfr.	Size	Price
<b>885140</b>	1212-M	Medium	<b>\$174.00</b>
<b>885141</b>	1212-L	Large	<b>\$174.00</b>
<b>885142</b>	1212-X	X-large	<b>\$174.00</b>
<b>885143</b>	1212-2X	2X-large	<b>\$186.00</b>

### 26"L

Stk.	Mfr.	Size	Price
<b>885400</b>	9214-M	Medium	<b>\$93.10</b>
<b>885401</b>	9214-L	Large	<b>\$93.10</b>
<b>885402</b>	9214-X	X-large	<b>\$93.10</b>
<b>885403</b>	9214-2X	2X-large	<b>\$103.00</b>

### 30"L

Stk.	Mfr.	Size	Price
<b>885405</b>	9215-M	Medium	<b>\$98.70</b>
<b>885406</b>	9215-L	Large	<b>\$98.70</b>
<b>885407</b>	9215-X	X-large	<b>\$98.70</b>
<b>885408</b>	9215-2X	2X-Large	<b>\$109.00</b>



### Weld-Rite™ Leather Cape Sleeves & Bib

**Steiner** Protect shoulders, arms, neck, and upper body, while the back is left open to maximize ventilation and movement. Snap front closure, wrist, collar and bib attachment. Sewn with Kevlar® thread. Welted shoulder and arm seams with rivet reinforced stress points.

**Bib shown with cape sleeves, sold separately.**

### Cape Sleeves

Stk.	Mfr.	Size	Price
<b>885370</b>	9210-M	Medium	<b>\$64.70</b>
<b>885371</b>	9210-L	Large	<b>\$64.70</b>
<b>885372</b>	9210-X	X-Large	<b>\$64.70</b>
<b>885373</b>	9210-2X	2X-Large	<b>\$71.20</b>

### Detachable Bib

Stk.	Mfr.	Size	Price
<b>885378</b>	92115	19"L	<b>\$20.60</b>



885410 885412 885415

### Weld-Rite™ Leather Aprons

**Steiner** Quality crafted from premium side split cowhide with Kevlar® stitched seams, rivet reinforced stress points and adjustable nylon straps with quick-release buckle.

#### Waist Apron

Stk.	Mfr.	Size	Price
885410	92160	24"W x 24"L	\$25.30

#### Bib-Style Apron 2-compartment chest pocket.

Stk.	Mfr.	Size	Price
885412	92165	24"W x 36"L	\$37.80
885413	92166	24"W x 42"L	\$44.90

#### Split-leg Apron Adjustable leg straps.

Stk.	Mfr.	Size	Price
885415	92171	24"W x 42"L	\$52.80
885416	92172	24"W x 48"L	\$57.10



### Weld-Rite™ Leather Sleeves

**Steiner** Premium side split cowhide sleeves fit easily into welding glove cuffs to protect upper arms. Kevlar® stitching, adjustable leather strap on upper arm/shoulder and rivet reinforced seams and stress points.

#### 18"L Protects up to the mid-bicep, snaps at wrist.

Stk.	Mfr.	Qty.	Price
885419	92180	2	\$26.20

#### 23"L Adjustable neck strap, snaps at wrist.

Stk.	Mfr.	Qty.	Price
885420	92181	2	\$37.20

## SAFETY GLASSES

### Dyno-Mites™ Student Glasses

**sellstrom** Scaled to fit a small student's face, protective glasses offer a nose-piece that eliminates viewing obstructions. Adjustable comfort temples.

**Meets ANSI Z87.1+ standards.**



#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
772825	70301	Red/White/Blue	Clear	1	\$5.90	\$5.31

### Sebring® 400 Junior

**sellstrom** Fashionable protection for small faces, these glasses offer wide single-piece lenses for incredible clarity and side protection. Adjustable temples.

**Meets ANSI Z87.1+ standards.**



#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
772620	73801	Black	Clear	1	\$1.74	\$1.57



### Rad-Atac Small™

**Radians** Frame fits students with smaller faces. Rubber-tipped temples provide a nonslip, comfortable fit. Polycarbonate lens provides impact resistance.

**Meets ANSI Z87.1+ standards. Provides 99.9% UV protection**

#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
687802	ATS-10	Clear	Clear	1	\$2.18	\$1.99



### PT9

**sellstrom** Attractive smooth frame with adjustable temples for a secure fit. Soft flexible nose-piece provides comfortable protection.

**Meets ANSI Z87.1+ standards.**

#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
772615	74201	Blue	Clear	1	\$3.47	\$3.12



### Guest-Gard®

**sellstrom** Lightweight protection for visitors. Wraparound design, universal fit nose bridge, fixed side shields and frosted brim. Can be worn over eyeglasses.

**Meets ANSI Z87.1+ standards.**

#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	100 or more
772622	79108X	Clear	Clear	1	\$3.26	\$2.93



### Maxview™

**sellstrom** Maxview glasses are designed for comfort and a secure fit. Polycarbonate, abrasion-resistant lens fits over most eyeglasses.

**Meets ANSI Z87.1+ standards.**

#### Quantity Savings!

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
772693	79301	Clear	Clear	1	\$3.61	\$3.25



### Sebring® 600 Mag

**sellstrom** Diopter lens inserts allow you to get a more detailed look at workpiece. Durable, wide single piece lens provides clarity and side protection. Adjustable temples for a safe and secure fit.

**Meets ANSI Z87.1+ standards.**

Stk.	Mfr.	Frame	Lens	Bifocal Reader	Price
772734	74615	Clear	Clear	1.50	\$6.22
772735	74620	Clear	Clear	2.00	\$6.22
772736	74625	Clear	Clear	2.50	\$6.22

Place your order on-line!  
www.midwesttechnology.com



**Avalanche™**



**sellstrom** Glasses offer rubberized straight tips which relieve pressure from temples. 3 lens styles to choose from - wear the indoor/outdoor lens for bright/dark lighting situations, the smoke lens for bright lighting and clear for indoors.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772627</b>	74101	Black	Clear	1	<b>\$4.22</b>	<b>\$3.79</b>
<b>772631</b>	74171	Black	Smoke	1	<b>\$4.22</b>	<b>\$3.79</b>
<b>772629</b>	74151	Black	Indoor/ Outdoor	1	<b>\$4.68</b>	<b>\$4.21</b>



**TechnoSports II™**

**sellstrom** Glasses offer outstanding peripheral vision, optic clarity and minimized distortion for reduced eyestrain. 1-piece, scratch-resistant, hard-coated, UV absorbing polycarbonate.

Meets ANSI Z87.1+ standards. Provides 99% UV protection.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Price	24 or more
<b>772672</b>	74801	Black	Clear	<b>\$2.50</b>	<b>\$2.25</b>
<b>772673</b>	74871	Black	Smoke	<b>\$2.94</b>	



**Atlantis™**

**sellstrom** Great wrap-around style providing a secure, comfortable fit. Anti-scratch UV absorbing polycarbonate lens provides outstanding impact strength and optical clarity for rugged industrial protection.

Meets ANSI Z87.1+ High Impact standards.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772830</b>	70601	Black	Clear	1	<b>\$3.37</b>	<b>\$3.03</b>



**Malibu Jack™ Series**

**sellstrom** Anti-scratch polycarbonate lens provides outstanding impact strength and optical clarity. Straight temple tips relieve pressure points.

Meets ANSI Z87.1+ standards. Provides 99.9% UV protection.

**Quantity Savings!**

**MJ15 Series**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772682</b>	70801	Black	Clear	1	<b>\$5.17</b>	<b>\$4.66</b>
<b>772683</b>	70802	Silver	Clear	1	<b>\$5.17</b>	<b>\$4.65</b>

**MJ18 Series**

<b>772654</b>	70805	Black	Clear	1	<b>\$4.54</b>	<b>\$4.09</b>
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**Matrix Series**



**sellstrom** Anti-scratch UV absorbing polycarbonate lens provides outstanding impact strength and optical clarity. Wrap-around style.

Meets ANSI Z87.1+ standards.

Stk.	Mfr.	Frame	Lens	Qty.	Price
<b>772566</b>	73501	Black	Clear	1	<b>\$3.18</b>

**Sebring® 400**



**sellstrom** Lightweight protective eyewear has adjustable temples with high-fashion styling and strong safety features. The hardcoated integral polycarbonate lenses provide side shield protection.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772689</b>	76301	Black	Clear	1	<b>\$2.04</b>	<b>\$1.84</b>
<b>772558</b>	76401	Burgundy	Clear	1	<b>\$2.04</b>	<b>\$1.84</b>
<b>772691</b>	76601	Blue	Clear	1	<b>\$2.04</b>	<b>\$1.84</b>
<b>772676</b>	76371	Black	Smoke	1	<b>\$2.04</b>	<b>\$1.84</b>
<b>772677</b>	76701	Red/White/Blue	Clear	1	<b>\$2.04</b>	<b>\$1.84</b>

**X200™**



**sellstrom** Anti-scratch, UV-absorbing polycarbonate lenses provide outstanding impact resistance and clarity — perfect for indoor and outdoor industrial applications. Rubberized, straight temples minimize slip and relieve unwanted pressure. Rubberized nosepiece.

Provides 99% UV protection & ANSI+ High Impact standards.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772487</b>	70501	Black	Clear	1	<b>\$3.32</b>	<b>\$2.98</b>
<b>772488</b>	70511	Black	Smoke	1	<b>\$3.32</b>	<b>\$2.98</b>

**X300™**



**sellstrom** Anti-scratch UV absorbing polycarbonate lens provides outstanding impact strength and optical clarity for industrial protection. Straight tips relieve temple and back-of-ear pressure. Comfortable, secure wrap-around fit slide-free nose bridge.

Meets ANSI Z87.1+ standards. Provides 99.9% UV protection.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772490</b>	70701	Clear	Clear	1	<b>\$1.73</b>	<b>\$1.55</b>
<b>772491</b>	70711	Amber	Amber	1	<b>\$1.73</b>	<b>\$1.55</b>
<b>772492</b>	70721	Smoke	Smoke	1	<b>\$1.73</b>	<b>\$1.55</b>

**X400™**



**sellstrom** Anti-scratch UV absorbing polycarbonate lens provides outstanding impact strength and optical clarity for industrial protection. Straight tips relieve temple and back-of-ear pressure. Comfortable, secure wrap-around fit slide-free nose bridge.

Meets ANSI Z94.3, ANSI+ High Impact & MIL-PRV-31013 Velocity Ballistic standards. Provides 99.9% UV protection. UL Z94.3 listed.

Stk.	Mfr.	Frame	Lens	Qty.	Price
<b>772503</b>	71301	Clear	Clear	1	<b>\$2.23</b>
<b>772484</b>	71311	Smoke	Smoke	1	<b>\$2.42</b>
<b>772485</b>	71321	Amber	Amber	1	<b>\$2.19</b>
<b>772486</b>	71371	Indoor/Outdoor	Indoor/Outdoor	1	<b>\$3.32</b>

**Firebirds™**

**sellstrom** Anti-scratch, 99.9% UV absorbing polycarbonate lens provides outstanding impact strength and optical clarity for rugged industrial protection. Wraparound style with

rubberized temple tips provides a secure, comfortable fit. Smoke lens offers contrast for inside or outside work.

**Provides 99.9% UV & ANSI + High Impact standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772501</b>	73401	Clear	Clear	1	<b>\$2.03</b>	<b>\$1.82</b>
<b>772502</b>	73471	Smoke	Smoke	1	<b>\$4.39</b>	<b>\$3.95</b>

**Protector™**

**DEWALT** Rubber-tipped temples provide secure, comfortable fit. Sleek, lightweight, polycarbonate lens is impact resistant and distortion-free.

**Meets ANSI Z87.1+ standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>687804</b>	DPG54-ID	Yellow	Clear	1	<b>\$2.45</b>	<b>\$2.20</b>

**Maxview® II**

**sellstrom** Wrap-around polycarbonate hard coated lens for impact strength and optical clarity. Anti-scratch lens.

**Provides 99.9% UV & ANSI+ High Impact standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772685</b>	73921	Clear	Clear	1	<b>\$3.08</b>	<b>\$2.77</b>
<b>772782</b>	73901	Clear	Clear/ Uncoated	1	<b>\$2.10</b>	<b>\$1.89</b>

**Virtua™**

**3M** Wraparound coverage, polycarbonate construction and a clear hard coat lens with a comfortable fit.

**Provides 99.9% UV & ANSI+ High Impact standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>590254</b>	11819-00000-20	Clear	Clear	1	<b>\$1.84</b>	<b>\$1.65</b>
<b>590255</b>	11815-00000-20	Gray	Gray	1	<b>\$2.04</b>	<b>\$1.84</b>

**Galaxy™**

**Radians** Impact resistant, lightweight one piece lens design offers integral side shields with adjustable temples and extended brow guard.

**Provides 99.9% UV & ANSI+ High Impact standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>687828</b>	GX0110ID	Black	Clear	1	<b>\$1.66</b>	<b>\$1.50</b>
<b>687829</b>	GX0510ID	Red/White/Blue	Clear	1	<b>\$1.66</b>	<b>\$1.50</b>

**Dual Comfort™**

**DEWALT** Ratcheting, telescoping temples adjust for a comfortable fit. Snug, rubber-tipped temples. Protective cushioned brow. Polycarbonate, impact resistant wraparound lens.

**ANSI Z87.1+ standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>687805</b>	DPG55-ID	Black/Yellow	Clear	1	<b>\$6.50</b>	<b>\$5.85</b>

**Reinforcer™**

**DEWALT** Soft, rubber nose piece is ergonomically shaped for a secure grip. Cushioned rubber, non-slip temple pads add comfort and grip. Lightweight, polycarbonate lens is impact resistant and distortion-free. Handgrip pattern on temple.

**Meets ANSI Z87.1+ standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>687806</b>	DPG58-ID	Black/Yellow	Clear	1	<b>\$6.16</b>	<b>\$5.54</b>

**Nemesis Camo**

**Jackson** Single lens wrap-around protection. Lightweight construction, soft-touch temples.

**Includes** neck cord.

**Meets ANSI Z87.1+ standards. Provides 99.9% UV protection.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	12 or more
<b>475110</b>	22608	Camo	Smoke	1	<b>\$6.53</b>	<b>\$5.88</b>

**Protege®**

**UVEX** Designed with proprietary Floating Lens® technology, expandable wrap-around brow, soft temple tip pads and nose piece. USA made.

**Meets ANSI Z87.1+ standards.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>475115</b>	S4200	Black	Clear	1	<b>\$4.85</b>	<b>\$4.36</b>

**Falcon Safety Glasses**

**UVEX** Sleek, frameless design with wrap-around 9-base unilens for uncompromised peripheral vision and coverage. Polycarbonate lens with Ultra-dura® anti-scratch coating. Adjustable temple lengths for a proper, comfortable fit. USA made.

**Meets ANSI Z87.1-2003 standards & military V0 ballistic impact test (protection against impact energies 7x higher than ANSI requirements). Certified to the requirements of CSA Z94.3.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	20 or more
<b>475150</b>	S4500	Black	Clear	1	<b>\$4.95</b>	<b>\$4.45</b>



**B5™**

**sellstrom** High-impact, adjustable frame. Clear anti-scratch UV-absorbing polycarbonate lens provide optical clarity for industrial work. For indoor/outdoor work in low light. Shade 5 IR for welding, medium to heavy torch soldering, brazing and cutting operations.

Meets ANSI Z87.1+ standards. Provides 99.9% UV & shade 5 protection.

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772498</b>	74701	Black	Clear	1	<b>\$5.16</b>	<b>\$4.64</b>
<b>772499</b>	74751	Black	Shade 5 IR	1	<b>\$9.10</b>	<b>\$8.18</b>



**Safeguards® Eyewear Micro-fiber Bag**

**sellstrom** Black bag w/drawstring closure stores & protects 1 pair of safety glasses.

Stk.	Mfr.	Price
<b>772489</b>	79904	<b>\$2.44</b>

**SAFETY GOGGLES**



**Centurion™ Safety Splash Goggle**

**3M** Wraparound frame for peripheral vision and large lens opening accommodates prescription and safety eyewear. Wide nasal flare for added comfort indirect venting to minimize fogging.

Meets ANSI Z87.1+ standards. Provides 99.9% UV protection.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	20 or more
<b>590240</b>	40305	Indirect	Fog-Free	1	<b>\$8.31</b>	<b>\$7.49</b>



**Odyssey® II Chemical Splash Goggles**

**sellstrom** Industrial goggle with indirect vents on top and bottom to protect against chemical splash and dust while permitting ventilation. Blue PVC body with easy-adjust black cloth flame-retardant strap. Lens has extra-wide

peripheral vision, fits over personal glasses, UV absorbing polycarbonate, sealed, dual scratch-resistant.

Meets ANSI Z87.1+ standards. Provides 99.9% UV protection.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	24 or more
<b>772728</b>	80200	Indirect	Fog-Free	1	<b>\$13.30</b>	<b>\$12.00</b>



**Concealer™ Safety Goggles**

**DEWALT** ToughCoat™ impact-resistant clear lens protects against scratches. Low-profile design with full-field vision. Soft, rubber lining conforms to face, blocks dust and debris. Ventilation channels and XtraClear™ coating prevent fogging. Adjustable elastic head strap.

Meets ANSI Z87.1+ standards. Provides 99.9% UVA/B protection.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	24 or more
<b>687809</b>	DPG82-11	Indirect	Fog-Free	1	<b>\$10.90</b>	<b>\$9.80</b>



**Perforated Safety Goggles**

**Radians** Green-tinted flexible body provides excellent ventilation and protects against dust and debris. Adjustable elastic strap. Fits over most prescription eyewear.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	24 or more
<b>687836</b>	GGP11UID	Direct	Regular	1	<b>\$1.98</b>	<b>\$1.78</b>
<b>687837</b>	GGP11IID	Direct	Fog-Free	1	<b>\$2.46</b>	<b>\$2.20</b>



**Chemical Goggles**

**Radians** Indirect vent goggle provides protection against chemical splashes. Adjustable neoprene strap. Fits over most prescription eyewear.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	24 or more
<b>687838</b>	GG011UID	Indirect	Regular	1	<b>\$2.46</b>	<b>\$2.20</b>
<b>687839</b>	GG011IID	Indirect	Fog-Free	1	<b>\$3.02</b>	<b>\$2.72</b>



**Mini Economy Goggles**

**sellstrom** Specially designed for small faces, goggles offer unbeatable comfort and protection. Green tinted flexible PVC body with .060" clear lenses. Adjustable elastic headbands.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	36 or more
<b>772525</b>	83000	Direct	Regular	1	<b>\$2.78</b>	<b>\$2.55</b>
<b>772526</b>	83200	Indirect	Regular	1	<b>\$4.07</b>	<b>\$3.66</b>



**Fog-Free Goggles**

**sellstrom** Green-tinted flexible PVC body with clear lens. 18" adjustable elastic headband.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	36 or more
<b>772635</b>	88010	Direct	Fog-Free	1	<b>\$8.10</b>	<b>\$7.29</b>



**Fog-Free Chemistry Lab Goggles**

**sellstrom** Molded indirect venting protects against hazardous liquids and dust. Green-tinted flexible PVC body with clear lens. 18" adjustable elastic headband.

Meets ANSI Z87.1+ standards.

**Quantity Savings!**

Stk.	Mfr.	Vent	Lens	Qty.	Price	36 or more
<b>772645</b>	88210	Indirect	Fog-Free	1	<b>\$9.27</b>	<b>\$8.53</b>



### Impact Goggles

**sellstrom** Direct vent impact goggle for protection during grinding, chipping and cutting. Soft vinyl conforms comfortably to facial contours. Fits over personal glasses. Clear acetate lens.

**Meets ANSI Z87.1+ standards.**

#### Quantity Savings!

Stk.	Mfr.	Vent	Lens	Qty.	Price	36 or more
<b>772636</b>	88000	Direct	Regular	1	<b>\$6.83</b>	<b>\$6.15</b>



### Chemical Impact Goggles

**sellstrom** Indirect vent impact chemical splash goggle protects against hazardous liquids and dust. Made of soft, comfortable vinyl. Fits over personal glasses. Clear acetate lens.

**Meets ANSI Z87.1+ standards.**

#### Quantity Savings!

Stk.	Mfr.	Vent	Lens	Qty.	Price	36 or more
<b>772642</b>	88200	Indirect	Regular	1	<b>\$7.91</b>	<b>\$7.44</b>

### Elastic Goggle Replacement Headbands

**sellstrom** 18" green elastic strap.

Stk.	Mfr.	Qty.	Price
<b>772626</b>	22448	12	<b>\$15.40</b>

## SAFETY SHIELDS



### Flexiguard™ Shields

**Flexbar** Eye, face, neck & hand protection from splashes & chips. For most woodworking, metalworking & portable power machines. Curved plastic shield on rugged flexible gooseneck. Positively deflects chips & coolant. Permits clear & closer visual inspection of work.

**C-Clamp Base** For clamping shield on hard-to-affix locations. 1-3/8" clamp capacity, 1 1/16" throat to screw center, arm w/clamp 13-1/2"L.

Stk.	Mfr.	Size	Price
<b>408502</b>	13001	7-1/2" x 10"	<b>\$51.30</b>
<b>408503</b>	13002	10" x 12"	<b>\$56.70</b>
<b>408504</b>	13003	12" x 16"	<b>\$66.20</b>

**Magnetic Base** Disc magnet w/85 lbs. pull. Arm w/magnet 10"L. Shield swivels & locks 360°.

Stk.	Mfr.	Size	Price
<b>408505</b>	13004	7-1/2" x 10"	<b>\$50.00</b>
<b>408506</b>	13005	10" x 12"	<b>\$56.70</b>
<b>408507</b>	13006	12" x 16"	<b>\$62.10</b>

## FACESHIELDS



### Fog Free Faceshield

**sellstrom** Plastic crown and ratchet headgear with clear Sta-Clear fog free window. Easy-to-replace acetate faceshield is chemical splash resistant.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Window	Size	Price
<b>772575</b>	39140	Clear	8" x 12"	<b>\$31.30</b>

#### Replacement Window

<b>772591</b>	35040	Clear	8" x 12"	<b>\$12.40</b>
<b>772597</b>	35140	Clear	8" x 16"	<b>\$15.40</b>



### Standard Faceshields

**sellstrom** Maximum comfort is available with either the Ratchet or Positive Lock style headgear. Ratchet adjusts with the turn of a knob while wearing the headgear. Positive Lock features 2 snap-in locking headgear straps that adjust independently to ensure a tight fit. Windows are .040" thick.

**Meets ANSI Z87.1-2003+ High Impact Standards.**

#### Positive Lock Headgear

Stk.	Mfr.	Item	Window	Size	Price
<b>772641</b>	39010	With Window	Clear	8" x 12"	<b>\$21.00</b>
<b>772644</b>	39000	W/out Window			<b>\$14.60</b>

#### Ratchet Headgear

Stk.	Mfr.	Item	Window	Size	Price
<b>772598</b>	39110	With Window	Clear	8" x 12"	<b>\$29.40</b>
<b>772596</b>	39100	W/out Window			<b>\$21.40</b>

#### Replacement Window

Stk.	Mfr.	Item	Window	Size	Price
<b>772592</b>	35020		Green	8" x 12"	<b>\$8.90</b>
<b>772590</b>	35000		Clear	8" x 12"	<b>\$9.62</b>
<b>772496</b>	35100		Clear	8" x 16"	<b>\$12.70</b>



### Infra-Guard™ IR Shade 5 Faceshield

**sellstrom** Excellent protection from infrared and ultraviolet rays with a wide viewing area. Includes plastic crown, ratchet headgear and 8" x 12" x .060" IR shade 5 window.

**Meets ANSI Z87.1+ standards.**

Stk.	Mfr.	Window	Size	Price
<b>772576</b>	39150	IR Shade 5		<b>\$42.80</b>

#### Replacement Window

Stk.	Mfr.	Window	Size	Price
<b>772594</b>	35050	IR Shade 5	8" x 12"	<b>\$16.50</b>
<b>772583</b>	35150	IR Shade 5	8" x 12"	<b>\$27.30</b>



### DP4 Faceshield

**sellstrom** Multi-purpose faceshield with clear window for grinding and shade 5 IR flip-up lens window for cutting and brazing. Ratchet headgear. The clear window measures 12" x 9" x .060".

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Size	Price
<b>772643</b>	32151	12" x 9" x 0.60"	<b>\$55.40</b>



### Chin Protection Faceshield

**sellstrom** Durable faceshield features extra safety with top and bottom molded plastic caps. Drop-down ratchet headgear and 7" x 19" x .040" clear window are included.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Window	Size	Price
<b>772595</b>	38110	Clear	7" x 19"	<b>\$38.80</b>

#### Replacement Window

<b>772593</b>	36000	Clear	7" x 19"	<b>\$14.90</b>
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**Bionic® Full Faceshield**

**UVEX** Tough, lightweight and balanced for all-day comfort. Highly adjustable, easily replaceable visor. Provides built-in chin protection and extended top-of-head coverage against chemical splash, welding, infrared radiation and airborne debris. Breathable, removable, washable headband. No metal parts. Clear uncoated visor.

Meets ANSI Z87.1+ standards.

Stk.	Mfr.	Price
475120	S8500	\$26.40



**Advantage™ 301 Faceshield**

**sellstrom** Durable aluminum-bound polycarbonate faceshield for extreme impact strength. Comfortable, ratchet headgear with soft brow pad and gray ABS crown. Easy-to-replace clear, non-glare window measures 8" x 15-1/2" x .040".

Meets ANSI Z87.1-2003 standard.

Stk.	Mfr.	Window	Size	Price
772730	30110	Clear	8" x 15-1/2"	\$21.80

**Replacement Window**

772731	37600	Clear	8" x 15-1/2"	\$7.40
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**Universal Windows**

**sellstrom** Chemical-resistant polycarbonate offers outstanding durability, clarity and high-impact resistance. Acetate windows are an affordable option with a non-glare finish providing excellent clarity.

Universal hole pattern allows windows to fit the following faceshields: All-safe 5500SN & CP5004, Apex 8500, Bullard 1001 & 300/400, Crews 103, FibreMetal F501, F5400 & F6400, Huntsman Model K, Jackson 170 & 337, North 67300.

Meets ANSI Z87.1+ standards.

Stk.	Mfr.	Window	Size	Price
772493	37000	Clear Acetate	8" x 16" x .040"	\$10.10
772494	37040	Clear Fog-Free Acetate	8" x 16" x .040"	\$10.90
772495	37050	IR Shade 5 Acetate	8" x 16" x .060"	\$30.60

**LENS CLEANING STATIONS**



**Disposable Station**

**Radians** Sturdy, economical station provides instant access for cleaning safety glasses, goggles faceshields and full face respirators. Specially-developed formula cleans greasy, oily lenses while providing an anti-fog/anti-static coating. Low lint, silicone-free tissues are non-abrasive, and leave lenses clear and streak free.

Includes box of 1,200 tissues & 16 oz. spray pump bottle.

Stk.	Mfr.	Price
687819	LCS161200	\$15.30



**Towelettes**

**Radians** Anti-fog, anti-static towelettes are easy to use and disposable. Silicone-free foil-wrapped towelettes clean glass, plastic and polycarbonate.

Stk.	Mfr.	Qty.	Price
687818	LCD100	100	\$7.68



**Sta-Clear® Lens Cleaning Station**

**sellstrom** Maintain protective eyewear and worker safety. Refillable, durable metal unit includes lock and key. Station can be fastened to wall or sanitizing monitor cabinet.

Size 8-5/8" x 6-1/2" x 5-3/8".

Includes lock & key, box of 1,000 Sta-Clear lens tissues (refills, sold separately), spray pump bottle & tissue disposal area.

Tissues should not be used on Fog Free Lenses.

**Metal Station**

Stk.	Mfr.	Qty.	Price
772556	23470		\$74.10

**Lens Cleaning Tissues** 1,000 silica-free tissues will not scratch polycarbonate lenses. Tissues should not be used on Fog Free Lenses.

Stk.	Mfr.	Qty.	Price
772560	23480	1,000	\$23.30

**EYEWEAR SANITIZING CABINETS**



**Monitor Germicidal Cabinets**

**sellstrom** Sanitize student's eyewear between wearing by storing safety glasses and goggles in this white enameled steel cabinet. Timer controlled, built-in germicidal lamp. Holds up to 48 glasses, 40 goggles, or 36 glasses and 10 goggles. Interlock door has tamper-resistant latches. Wall or shelf mountable with 7' grounded electrical cord.

Size 24-1/2"W x 32"H x 9-1/2"D.

**Quantity Savings!**

**Cabinet Only**

Stk.	Mfr.	Qty.	Price	3 or more
772671	90494	1	\$739.00	\$629.00

**Cabinet w/Glasses & Goggles** 36 pair Safety Glasses (76301) & 10 pair Fog Free Safety Goggles (88000).

772780	350101	1	\$735.00	
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**Cabinet w/Goggles** 36 pair Safety Goggles (88000).

772781	350102	1	\$836.00	
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**Replacement Keys** For Sellstrom's 90494 cabinet.

772497	90479	2	\$15.60	
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**30"L Replacement Lamp** For Sellstrom's 90490, 90492 (Series 2000) & 90494 cabinets.

772670	90482	1	\$108.00	
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**Office Monitor Germicidal Cabinet**

**sellstrom** Electronic countdown timer sanitizes eyewear in only 8 minutes. The simple-to-use electronic countdown timer controls the UV lamp automatically, ensuring up to a 99.4% average kill rate. Universal rack holds up to 3 goggles or 5 protective glasses per shelf. Cabinet of 24 ga. white enameled steel, with 4 white enameled steel wire shelves. UL listed.

Size 22"H x 14"W x 9.25"L. Weight 22 lbs.

Includes lock, 2 keys & safety shut off switch.

**Quantity Savings!**

Stk.	Mfr.	Qty.	Price	3 or more
772684	90498	1	\$527.00	\$475.00



### Cabinet for 30 Glasses

**Kerkau** Lab-tested sterilization cabinet for glasses and goggles. 15-minute timer controls sterilization, key lock, 2 safety door switches, long-life ultraviolet bulbs and heavy neoprene g', 18/3 grounded power cord. Holds up to 30 goggles or safety glasses.

Size 24-1/2"W x 28"H x 9-1/4"D.

#### Cabinet Only

Stk.	Mfr.	Qty.	Price
<b>217090</b>	K-50	1	<b>\$522.00</b>

#### 17" Replacement Lamp

**sellstrom** For Sellstrom's Series 11-11, Gemicon & Kerkau cabinets.

Stk.	Mfr.	Price
<b>772660</b>	90469	<b>\$50.00</b>

### Cabinet for 40 Glasses

**Gemicon** Cabinet holds 40 goggles or glasses in individual compartments for student or instructor identification. There's even room to accommodate sterilization of hard hats. Aluminum reflectors ensure irradiation of cabinet. Features convenient timer and heavy-gauge doors with key lock. Size 30"W x 30"H x 12"D.



#### Cabinet Only

Stk.	Mfr.	Qty.	Price
<b>218000</b>	100-F	1	<b>\$698.00</b>

#### 17" Replacement Lamp

**sellstrom** For Sellstrom's Series 11-11, Gemicon & Kerkau cabinets.

Stk.	Mfr.	Price
<b>772660</b>	90469	<b>\$50.00</b>

## EMERGENCY EYE WASH STATIONS



### SentryWash® Eye Wash & Shower Safety Station

**sellstrom** Barrier free eye wash/drench shower has an 11-1/2" stainless steel bowl with 4 heads and Cyclo-lac shower head with stay-open valve.

Shower head of 10" blue ABS plastic delivers 30 GPM @ 30 psi., 20" dia. x 60"H spray. 1" IPS chrome-plated brass stay-open ball shower valve with stainless steel actuating arm and stainless steel pull rod.

Eye wash unit offers 2 outlet heads, each with a self regulating flow control (to assure soft, balanced flow),

filter to remove debris from water and float-off dust cover. 1/2" IPS chrome-plated brass stay-open ball valve is activated by epoxy coated cast aluminum flag handle.

Pipe & fittings 1-1/4" IPS Schedule 40 hot-dipped galvanized steel w/9" cast aluminum floor flange.

Supply 1" IPS female top or side inlet. Waste: 1-1/4" IPS female outlet.

**Meets ANSI Z358.1 standard.**

Stk.	Mfr.	Price
<b>772738</b>	90530	<b>\$1,471.00</b>



### Gravit-Eye™ Portable Eye Wash Unit

**sellstrom** 16 Gal. portable, self-contained, gravity-operated eye wash station. Made of a high density green and yellow FDA polyethylene. Designed to set on a flat surface or to be wall mounted.

**Includes** wall mounting bracket, drain hose, bacteriostatic additive & test log card.

**Meets ANSI Z358.1 standard.**

Stk.	Mfr.	Size	Price
<b>772579</b>	90320	20-1/2"H x 21"W x 18-1/2"D	<b>\$220.00</b>

**Dust Cover** Clear vinyl allows directions & log card to be read when station is covered. Single pulling down motion on dust cover flap initiates eye wash flow. Easy to install & clean.

Stk.	Mfr.	Size	Price
<b>772696</b>	90334		<b>\$39.60</b>

**Redi-Sep™ Bacteriostatic Additive** Water preservative for use in any gravity flow eye wash unit. Tamper-evident sealed. Date coded for easy inspection. In service life of 6 months.

Stk.	Mfr.	Size	Price
<b>772509</b>	90322	8 oz. Bottle	<b>\$7.12</b>



### SentryWash™ Wall-mounted Eye/Face Wash Station

**sellstrom** 12" blue ABS plastic bowl. Soft spray outlet heads with individual volume controls. Hand/foot control with stay-open ball valve. Heavy-duty corrosion-resistant cast

aluminum wall bracket mounting.

1/2" IPS inlet, 1-1/4" IPS outlet.

**Meets ANSI Z358.1 standard.**

Stk.	Mfr.	Price
<b>772667</b>	90445	<b>\$307.00</b>



### SentryWash™ Faucet-mounted Eye Wash Station

**sellstrom** Adjustable outlet heads mounted 3" apart and equipped with float-off dust covers. 3 adapters for attaching to most common faucets and removable aerator on bottom outlet.

Stk.	Mfr.	Price
<b>772661</b>	90100	<b>\$152.00</b>



### SentryWash™ Emergency Drench Station

**sellstrom** Hand-held eye/face/body spray has 8' high-pressure hose and wall hook. Features single soft spray outlet head and self-closing valve with squeeze handle.

3/8" IPS inlet.

**Meets ANSI Z358.1 standard.**

Stk.	Mfr.	Price
<b>772669</b>	90600-2	<b>\$255.00</b>

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.

## DUST MASKS & RESPIRATORS



### Nuisance Dust Masks

**Sperian** Disposable mask provides basic protection against non-toxic dust, pollen, mold and dander. Universal, one size.

*For comfort only. Not a respirator, does not provide lung protection.*

Stk.	Mfr.	Qty.	Price
<b>475130</b>	14110094CC	50	<b>\$7.42</b>



### Tekk Protection™ Nuisance Dust Masks

**3M** Disposable dust masks provide relief from the irritating effects of non-harmful dust.

*Not NIOSH approved. For comfort only. Not a respirator, does not provide lung protection.*

Stk.	Mfr.	Qty.	Price
<b>590420</b>	8661PCI-15A	15	<b>\$11.80</b>



### N95

**3M** Provides reliable protection against certain non-oil based particles. Features Advanced Electret Media, adjustable nose clip and nose foam for a custom fit and secure seal. Use for handling and working with grinding, sanding, sweeping, bagging, drywall materials and dusty operations.

*For comfort only. Not a respirator, does not provide lung protection.*

Stk.	Mfr.	Qty.	Price
<b>590406</b>	8200	20	<b>\$15.00</b>



### Safe-T-Fit Plus Respirators

**Sperian** Molded cup N95 particulate disposable respirators offer protection and comfort.

**NIOSH 42 CFR 84 approval. 95% efficiency against solid particulates & non-petroleum**

**based liquid aerosols. Time use restrictions may apply. For comfort only. Not a respirator, does not provide lung protection.**

Stk.	Mfr.	Size	Qty.	Price
<b>475131</b>	14110388	Medium/Large	20	<b>\$18.50</b>



### Twin Cartridge Respirators

**Binks** Finest quality silicone face piece for outstanding comfort, easy cleanup and long life. Will not deteriorate after repeated washing and exposure to paints and solvents. Combination cradle/neckstrap for a non-slip comfortable fit. Equipped with heavy-duty oil resistant filters for extra loading capacity.

**Includes 2 filters & storage bag.**

**Meets NIOSH 42 CFR Part 84 standard.**

Stk.	Mfr.	Size	Qty.	Price
<b>240407</b>	40-128	Medium	1	<b>\$74.30</b>
<b>240408</b>	40-143	Large	1	<b>\$74.30</b>

**Respirator Cartridges** Offers protection against certain organic vapors, lacquers & enamels. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>240570</b>	40-1921		2	<b>\$19.20</b>

**Respirator Filters** Specially engineered heavy-duty oil resistant filters for increased respiratory protection. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>240574</b>	40-1924-10		10	<b>\$32.60</b>



### Half-mask Respirators

**3M** Economical, lightweight respirators can be disassembled, cleaned and reused. Features soft thermoplastic elastomer facepiece, good visibility and easy-adjust head straps. Use to protect students from a variety of gases, vapors and particulate hazards (including petrochemical,

chemical manufacturing, construction, transportation & electronics). When properly fitted, helps provide respiratory protection from certain organic vapors at concentrations up to 10x the Permissible Exposure Limit (PEL).

**Meets NIOSH standard. 2 filters required for each mask, sold separately.**

Stk.	Mfr.	Size	Qty.	Price
<b>942682</b>	6200	Medium	1	<b>\$16.30</b>
<b>942683</b>	6300	Large	1	<b>\$16.30</b>

**Organic Vapor Cartridge** Meets NIOSH 42 CFR Part 84 standard. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>942684</b>	6001PB1-I		2	<b>\$12.90</b>



### Respirator Wipes

**sellstrom** Individually packaged wipes keep respirator safe & clean. Each easy-to-use non-alcohol towelette measures 5-1/4" x 7-1/2". Self-dispensing box can rest on counter or hang on wall.

Stk.	Mfr.	Qty.	Price
<b>772529</b>	22185	100	<b>\$10.30</b>

## HEARING PROTECTION



### Snug Plugs with Cord

**Radians** Super soft plugs are washable and reusable. FDA approved, nontoxic materials. High NRR rating for reusable ear plugs.

**Meets ANSI S3.19 standard.**

Stk.	Mfr.	Item	NRR	Qty.	Price
<b>687816</b>	JP3150ID	With Case	28 dBA	1	<b>\$1.54</b>
<b>687817</b>	JP3165ID	W/out Case	28 dBA	1	<b>\$1.26</b>



### Resistor 32 Foam Ear Plugs

**Radians** Tapered comfortable fit. Extremely soft to seal without pressure. Smooth surface repels dirt.

**Meets ANSI S3.19 standard.**

#### Quantity Savings!

Stk.	Mfr.	Item	NRR	Qty.	Price	Qty.	Price
<b>687812</b>	FP70	Uncorded	32 dBA	1	<b>\$0.18</b>	200 or more	<b>\$0.16</b>
<b>687813</b>	FP71	Corded	32 dBA	1	<b>\$0.33</b>	100 or more	<b>\$0.29</b>



### Detour 32 Disposable Foam Earplugs

**Radians** Slow-recovery foam for extreme comfort and outstanding noise reduction. Conveniently packaged in individual polybags to keep each pair clean.

**Meets ANSI S3.19 standard.**

#### Quantity Savings!

Stk.	Mfr.	Item	NRR	Qty.	Price	Qty.	Price
<b>687811</b>	FP30	Uncorded	32 dBA	1	<b>\$0.20</b>	200 or more	<b>\$0.17</b>
<b>687814</b>	FP31	Corded	32 dBA	1	<b>\$0.39</b>	100 or more	<b>\$0.35</b>



### Peltor Optime™ 95

**3M** Stainless steel headband for consistent force and effective hearing protection. Resists bending and warping. Earcup pivot points tilt for optimum comfort. Liquid/foam filled ear cushions. Color-coding for compliance sighting.

Stk.	Mfr.	NRR	Qty.	Price
<b>590450</b>	H6AV	21 dBA	1	<b>\$16.10</b>



### Terminator™ 29

**Radians** Lightweight earmuff offers maximum protection, comfort and fit. Soft, extra-long adjustable headband padding. Foam-filled ear cushions provide comfort, even over safety glasses.

**Meets ANSI S3.19 standard.**

Stk.	Mfr.	NRR	Qty.	Price
<b>687825</b>	TR0160CS	29 dBA	1	<b>\$19.70</b>



### Silencer™ 26

**Radians** Lightweight dielectric earmuff offers padded, adjustable headband. Foam-padded earcups provide a comfortable fit even over safety glasses. Rugged and durable in a wide range of environments.

**Meets ANSI S3.19 standard.**

Stk.	Mfr.	NRR	Qty.	Price
<b>687820</b>	SL0130ID	26 dBA	1	<b>\$8.14</b>



### Lowset 21 Folding

**Radians** Comfortable, lightweight, low profile design folds compactly for storage and earcup protection. Headband adjusts with side wire guides for optimum fit. Coolmax® headband wicks away moisture and cools user. Foam-filled ear cushions fit comfortably even with safety glasses.

Stk.	Mfr.	NRR	Qty.	Price
<b>687815</b>	LS0100CS	21 dBA	1	<b>\$13.40</b>



### Viking VI Multiple-Position

**Howard Light** Multiple-position headband allows the wearer to select position over-the-head, behind-the-head or under-the-chin. Air Flow Control™ technology delivers optimal attenuation across all frequencies, without increasing ear cup size or weight. Wear with hard hats, face shields and respirators.

Dielectric construction protects in electrical environments.

Stk.	Mfr.	NRR	Qty.	Price
<b>475145</b>	I010925	25 dBA	1	<b>\$11.90</b>



### Interceptor™

**DEWALT** Lightweight earmuff with maximum protection, comfort and fit. Low profile design folds compactly for storage and earcup protection. Headband adjusts with side wire guides for optimum fit. CoolMax™ adjustable headband wicks away moisture and cools user. Padded ear cushions fit comfortably.

Stk.	Mfr.	NRR	Qty.	Price
<b>687808</b>	DPG62-C	29 dBA	1	<b>\$24.60</b>



### Eliminator 23 Earmuff

**Radians** Padded and adjustable headband with soft, foam filled ear cushions for a comfortable fit. Dielectric construction protects in electrical environments.

**Meets ANSI S3.19 standard.**

Stk.	Mfr.	NRR	Qty.	Price
<b>687821</b>	EL23-B	23 dB	1	<b>\$7.92</b>

## HEAD PROTECTION



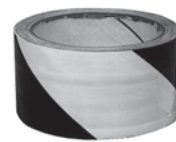
### Granite Hard Hat

**Radians** 6-point ratchet nylon suspension is easy to adjust and allows wearer to modify the fit while wearing. Lightweight polyethylene with impact-absorbing ridges. Vertical adjustments for proper crown height positioning. Universal accessory slots. Pillowed brow band.

**Meets ANSI Z89.1-2009 standard, Type I, Class G & E.**

Stk.	Mfr.	Color	Price
<b>687801</b>	GHR6-WHITE	White	<b>\$11.80</b>
<b>687800</b>	GHR6-ORANGE	Orange	<b>\$11.80</b>

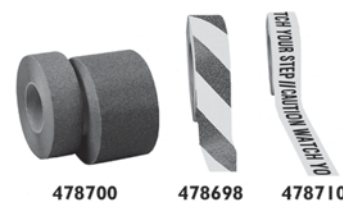
## SAFETY TAPE & PAINT



### Safety Stripe Warning Tape

**Incom** Tape has bright, durable warning stripes protected by clear laminated film to provide a bold, long lasting warning tape. Self-sticking tape adheres easier, faster and outlasts painted stripes.

Stk.	Mfr.	Width	Length	Color	Price
<b>590346</b>	VHT210	2"	18 yd.	black/yellow	<b>\$4.68</b>
<b>590364</b>	VHT211	2"	18 yd.	red/white	<b>\$4.68</b>
<b>590347</b>	WT2110	2"	36 yd.	black/yellow	<b>\$7.73</b>
<b>590365</b>	WT2200	2"	36 yd.	red/white	<b>\$7.73</b>



### Contractor-grade Nonskid Tape

**Incom** High-traction tape with durable 46-grit aluminum oxide compound provides longevity for general purpose indoors/outdoors. Good water and chemical resistance.

### Black

Stk.	Mfr.	Width	Length	Price
<b>478700</b>	SG7002CB	2"	60'	<b>\$23.50</b>
<b>478701</b>	SG7004CB	4"	60'	<b>\$46.80</b>
<b>478702</b>	SG7006CB	6"	60'	<b>\$70.30</b>

### Yellow/Black Striped

Stk.	Mfr.	Width	Length	Price
<b>478698</b>	SG3902YB	2"	60'	<b>\$34.60</b>

### Yellow/Black "Caution Watch Your Step"

Stk.	Mfr.	Width	Length	Price
<b>478710</b>	SG8903PT	3"	60'	<b>\$65.00</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!





### Anti-Skid Epoxy Spray w/Grit

**Goop** Provides slip resistance anywhere firm footing is desired. Easy to use and covers up to 15 sq. ft. Lead, chemical, gas and oil resistant. Dries in 24 hours.

**Contains no CFCs.**

Stk.	Mfr.	Color	Size	Price
<b>375960</b>	5370020	Clear	11 oz.	<b>\$14.70</b>

## SAFETY SIGNS



### Messaging Board

**Velleman** A ready-to-run moving message medium. Easy to use and features 1 color (red). Memory for

up to 26 page text or 16 page graphic plus 10 page text messages. Each page max. 210 characters (or 6,500 characters in total).

- 3 fonts
- Display effect: normal or blinking
- 4 scrolling speeds
- 4 pre-programmed graphic symbols (motor, arrow, down & left)
- Display information: text, symbols & graphics
- 3 different songs can be added randomly in a message
- Both the current date & time can be displayed in the message
- Device can be wall-mounted, hung from the ceiling or free standing
- Easy programming via remote control (included) or via PC w/RS-232/USB connection (software included)
- System requirements: Windows® 98 or higher

Viewable area: 2' x 2-11/64". Weight: 3.5 lbs.

**For complete specifications view this product on our website.**

Stk.	Mfr.	Price
<b>949140</b>	MML16RU	<b>\$176.00</b>



### Caution Wet Floor

**Rubbermaid** Alert students to slippery floor conditions. Yellow 2-sided sign is printed in 4 languages (English, French, German & Spanish). Plastic sign folds flat.

Stk.	Mfr.	Overall Size	Price
<b>942744</b>	6112-YEL	26-1/2"H x 11"W x 1-1/2"T	<b>\$26.90</b>



### Orange Traffic & Safety Cone

**MSA** Durable 1-piece, PVC cone stays flexible in all weather conditions. High-visibility fluorescent orange is ultraviolet stabilized for fade resistance. Stable high-density base.

**Meets MUTCD specifications.**

Stk.	Mfr.	Size	Price
<b>943029</b>	10073409	11"L x 11"W x 18"H	<b>\$15.20</b>



### General Shop Safety Signs

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

### Eye Protection Required

Stk.	Mfr.	Size	Price
<b>770411</b>	A	6" x 8"	<b>\$3.96</b>
<b>770370</b>	A	8" x 11"	<b>\$6.34</b>

### Keep Guard in Place

Stk.	Mfr.	Size	Price
<b>770412</b>	B	6" x 8"	<b>\$3.96</b>
<b>770371</b>	B	8" x 11"	<b>\$6.34</b>

### Think! Accidents are Avoidable!

Stk.	Mfr.	Size	Price
<b>770413</b>	C	6" x 8"	<b>\$3.96</b>
<b>770372</b>	C	8" x 11"	<b>\$6.34</b>

### Keep Fingers Away From Moving Parts

Stk.	Mfr.	Size	Price
<b>770414</b>	F	6" x 8"	<b>\$3.96</b>
<b>770373</b>	F	8" x 11"	<b>\$6.34</b>

### Keep the Shop Clean and Orderly

Stk.	Mfr.	Size	Price
<b>770415</b>	G	6" x 8"	<b>\$3.96</b>
<b>770374</b>	G	8" x 11"	<b>\$6.34</b>

### No Running or "Horseplay" in the Shop

Stk.	Mfr.	Size	Price
<b>770416</b>	H	6" x 8"	<b>\$3.96</b>
<b>770375</b>	H	8" x 11"	<b>\$6.34</b>

### Do Not Bother Machine Operators

Stk.	Mfr.	Size	Price
<b>770417</b>	J	6" x 8"	<b>\$3.96</b>
<b>770376</b>	J	8" x 11"	<b>\$6.34</b>

### Put Tools Back in Their Proper Place

Stk.	Mfr.	Size	Price
<b>770418</b>	K	6" x 8"	<b>\$3.96</b>
<b>770377</b>	K	8" x 11"	<b>\$6.34</b>

### Machines Have No Brains. Use Yours!

Stk.	Mfr.	Size	Price
<b>770419</b>	L	6" x 8"	<b>\$3.96</b>
<b>770378</b>	L	8" x 11"	<b>\$6.34</b>

### Safety Instruction Required Before You Operate Machines

Stk.	Mfr.	Size	Price
<b>770420</b>	M	6" x 8"	<b>\$3.96</b>
<b>770379</b>	M	8" x 11"	<b>\$6.34</b>

### 10-Piece Set

Stk.	Mfr.	Size	Price
<b>560203</b>	MW-GSSP2	6" x 8"	<b>\$39.60</b>
<b>560202</b>	MW-GSSP	8" x 11"	<b>\$55.00</b>



### Mirror Brite Safety Signs

**Safety Rules** Heavy-duty, high-impact, 1/16" plastic signs are very resistant to breaking, chemicals, weathering, etc., OSHA compliant. Hole in each of the rounded corners.

### Black/Yellow

Stk.	Mfr.	Item	Size	Price
<b>770402</b>	313	Caution Do Not Talk To Operator	10" x 14"	<b>\$15.00</b>
<b>770403</b>	361	Caution Do Not Operate Without Safety Glasses	10" x 14"	<b>\$15.00</b>
<b>770404</b>	363	Caution Do Not Watch Arc	10" x 14"	<b>\$15.00</b>
<b>770405</b>	366	Caution Wear Eye Protection	10" x 14"	<b>\$15.00</b>

### Red/White

Stk.	Mfr.	Item	Size	Price
<b>770406</b>	101	Fire Extinguisher	10" x 14"	<b>\$15.00</b>

### Green/Black

Stk.	Mfr.	Item	Size	Price
<b>770407</b>	627	Think The Safe Way Is The Best Way	10" x 14"	<b>\$15.00</b>

### Red/Black/White

Stk.	Mfr.	Item	Size	Price
<b>770408</b>	403	Danger Flammable Materials	10" x 14"	<b>\$15.00</b>
<b>770409</b>	481	Danger Acetylene	10" x 14"	<b>\$15.00</b>
<b>770410</b>	483	Danger Hazardous Chemicals	10" x 14"	<b>\$15.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

## Machine Safety Rules

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

### Circular Saw

Stk.	Mfr.	Size	Price
770421	1	6" x 8"	\$3.96
770385	1	8" x 11"	\$6.34

### Jointer

770422	2	6" x 8"	\$3.96
770386	2	8" x 11"	\$6.34

### Jig Saw

770423	3	6" x 8"	\$3.96
770387	3	8" x 11"	\$6.34

### Band Saw

770424	4	6" x 8"	\$3.96
770388	4	8" x 11"	\$6.34

### Wood Lathe

770426	5	6" x 8"	\$3.96
770389	5	8" x 11"	\$6.34

### Radial Arm Saw

770427	6	6" x 8"	\$3.96
770390	6	8" x 11"	\$6.34

### Disc/Belt Sander

770428	7	6" x 8"	\$3.96
770391	7	8" x 11"	\$6.34

### Surfacer

770429	8	6" x 8"	\$3.96
770392	8	8" x 11"	\$6.34

### Wood Shaper

770430	10	6" x 8"	\$3.96
770393	10	8" x 11"	\$6.34

### Drill Press

770431	11	6" x 8"	\$3.96
770394	11	8" x 11"	\$6.34

### Grinder

770432	12	6" x 8"	\$3.96
770395	12	8" x 11"	\$6.34

### Gas Welding

770433	13	6" x 8"	\$3.96
770396	13	8" x 11"	\$6.34

### Electric Welding

770434	14	6" x 8"	\$3.96
770397	14	8" x 11"	\$6.34

### Metal Lathe

770435	15	6" x 8"	\$3.96
770398	15	8" x 11"	\$6.34

### Milling Machine

770436	16	6" x 8"	\$3.96
770399	16	8" x 11"	\$6.34

### Vertical Band Saw

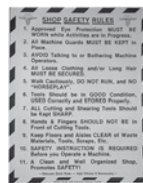
770437	17	6" x 8"	\$3.96
770400	17	8" x 11"	\$6.34

### Horizontal Band Saw

770438	20	6" x 8"	\$3.96
770401	20	8" x 11"	\$6.34

### 17-Piece Set

560204	MW-BSSP2	6" x 8"	\$59.00
560201	MW-BSSP	8" x 11"	\$89.00



## Shop Safety Rules

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

Stk.	Mfr.	Item	Size	Price
770380	AS-22	Auto Shop	17-1/2" x 22"	\$14.20
770381	ES-22	Electronics Shop	17-1/2" x 22"	\$14.20
770382	GS-22	General Shop	17-1/2" x 22"	\$14.20
770383	MS-22	Metal Shop	17-1/2" x 22"	\$14.20
770384	WS-22	Wood Shop	17-1/2" x 22"	\$14.20
560200	MW-SRSS	5-Piece Set	17-1/2" x 22"	\$59.00

## POWER SAFETY CONTROLS



### Magnetic Safety Switch

**General Intl.** For use on all types of stationary power tools. Extra-large 6" x 6-1/2" STOP panel for hands-free shut-off using knee, thigh, hip or elbow (depending on switch position). Built-in circuit breaker cuts power to machine in case of power surge or power failure. Ultra-safe design requires 2-step re-start procedure after any shut-off. Adaptable to fit on most existing switch mounting brackets or directly to machine cabinets (drilling may be required). Equipped with removable lock-out safety key.

Stk.	Mfr.	Volts	Phase	HP	Amps	Price
420880	85-110	110	1	1	8-11	\$259.00
420881	85-120	110	1	3/4	10-15	\$259.00
420882	85-125	110	1	1	11-14	\$259.00
420883	85-210	220	1	2-3	8-11	\$259.00
420884	85-215	208-230	1	1-1/2	8-11	\$259.00
420885	85-225	220	1	2-3	14-17	\$259.00
420886	85-230	220	3	2	4.5-6.5	\$259.00
420887	85-240	208-230	1	3	10-15	\$259.00
420888	85-245	220	1	3	14-17	\$259.00
420889	85-255	220	3	5	11-14	\$259.00

### iVac Switch Box



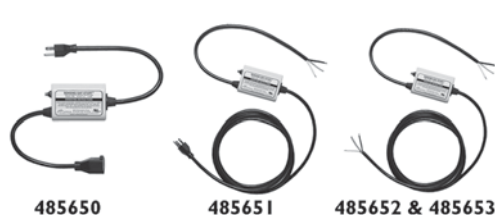
**BCTINT** iVac (Intelligent Vacuum) increases work shop cleanliness and safety by eliminating the distraction of turning dust collection system (DCS) on and off while operating potentially dangerous power tools. Easy-to-use unit features a 3-position switch (*auto, on & off*).

- Auto Mode starts DCS system when power tool is activated
- On Mode keeps DCS on for easy end-of-job cleanup
- Off Mode causes DCS to be off
- Turn on delay (0.5 to 2.0 sec.) avoids dual power surges from DCS & power tools being activated simultaneously
- Turn off delay (6 sec.) clears any remaining airborne debris
- 2 input power cords accommodate situations when large tools & DCS require more than the standard 15 amp AC outlet (*each cord has built-in circuit breaker protection*)
- Extends DCS life since it isn't inadvertently left on when not needed
- Compact, lightweight unit is easily wall mounted

**ETL Safety Approval.**

**Conforms to UL STD 244A & CSA STDC22.2 No. 14.**

Stk.	Mfr.	Price
529500	SB-NA	\$55.70



**Restart Safety Plugs**  
**JDS Products**  
 The easy-to-install, inexpensive solution to anti-automatic restart safety,

without the high cost of magnetic motor starters. The Sensing-Saf-Start® Plug prevents equipment restart following a power interruption, and will not allow a reset until the equipment switch has been turned off.

- Upgrades small machines to meet latest safety requirements
- Plugs into machine power cord & plug (Model 1996)
- Replaces old, frayed, ungrounded power cords (Models 1997, 98, 99)
- Complies w/latest OSHA & NFPA safety standards
- Offers electrical disconnect compliance by unplugging
- Installs in minutes on: drill presses, belt sanders, band saws, power hack-saws, cut-off machines, table saws, small lathes, small milling machines, scroll saws & tool grinders

**You must install any matching plugs on the power cord.**

**Model 1996** For 120V machines w/a good power cord & plug (when cord is not frayed & plug has a ground pin). **Includes** short extension-cord style, 14" cord on male plug end, 12" cord on female receptacle end.

Stk.	Mfr.	Volts	Amps	Price
<b>485650</b>	1996	120	15	<b>\$97.00</b>

**Model 1997** For all 120V machines w/an old cord &/or you want the reset button closer to the machine for easy access, but still plugged into a duplex-type outlet. Plug is on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord w/molded plug on power end.

<b>485651</b>	1997	120	15	<b>\$97.00</b>
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**Model 1998** For 120V machines w/an old cord &/or you want to connect to a disconnect box, or install either a 20 amp or twisting lock-type plug on the cord. Sensing-Saf-Start housing is located close to the machine w/out a plug on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

<b>485652</b>	1998	120	18	<b>\$97.00</b>
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**Model 1999** For 200-240V, single phase machines (3-wire). You must install any matching plugs on the power cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

<b>485653</b>	1999	200-240	15	<b>\$97.00</b>
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## SAFETY CANS



### Funnel

**Eagle** Funnel may be used with safety cans. Fits snugly as a spout or can be detached and used as a funnel. Self-venting.

Stk.	Mfr.	Size	Price
<b>378469</b>	F-15	9"L	<b>\$7.99</b>



### Type 1 Safety Can w/Funnel

**Eagle** Safety spring on spout closes cap tightly. Double-walled brass flame arrestor absorbs and dissipates hot air to keep vapor temperature below ignition point. Attach self-venting 9" funnel for use as a spout.

**Meets OSHA requirements.**

Stk.	Mfr.	Capacity	Height	Price
<b>378134</b>	U1-10-FS	1 gal.	10"	<b>\$54.50</b>
<b>378140</b>	U1-20-FS	2 gal.	9-1/2"	<b>\$56.80</b>
<b>378201</b>	U1-50-FS	5 gal.	13-1/2"	<b>\$62.50</b>



### Type 2 Safety Cans

**Eagle** Galvanized steel safety cans with 2 openings (1 pressure-relief spring-closing lid for filling & 1 actuated pour valve w/flexible metal spout for safer controlled dispensing). 7/8" flexible metal filler spout and flame arrestors in both openings are non-sparking brass designed for flashback protection.

**FM, UL & ULC approved, meets OSHA & NFPA requirements.**

Stk.	Mfr.	Capacity	Height	Price
<b>378210</b>	U2-26-S	2 gal.	9-1/2"	<b>\$113.00</b>
<b>378211</b>	U2-51-S	5 gal.	13 1/2"	<b>\$115.00</b>



### Oily Waste Cans

**Eagle** Combustion-safe can helps dispose of solvent and oily waste, rags and other material subject to spontaneous combustion. Convenient handles and foot lever. Sturdy polyethylene construction is designed for stability. Red.

**Meets OSHA requirements & FM approved.**

Stk.	Mfr.	Capacity	Height	Price
<b>379350</b>	933-FL	6 gal.	16"	<b>\$76.10</b>
<b>379352</b>	935-FL	10 gal.	18"	<b>\$90.30</b>



### Steel Oily Waste Cans

**Justrite** Combustion-safe can helps dispose of solvent and oily waste, rags and other material subject to spontaneous combustion. Self-closing, hands-free cover snaps shut, stays shut when pedal is released. Lead-free galvanized steel body with reinforcing ribs. Round, raised can with flow-through base.

- 1-piece cover for disposal bag use
- 10-yr. mfr.'s warranty
- Trilingual safety label
- Bright red warning color
- Powder-coated paint finish
- Carry handle
- Lid opens to 60°

**Meets OSHA requirements. FM & UL approved.**

Stk.	Mfr.	Capacity	Height	Price
<b>492200</b>	09100	6 gal.	15-7/8"H	<b>\$79.30</b>
<b>492205</b>	09300	10 gal.	18-1/4"H	<b>\$100.00</b>

## SAFETY STORAGE CABINETS



### Steel Cabinets for Corrosives

**Justrite** Safe, compliant storage for corrosives, but with the same features as the Flammable Liquid Cabinets. With the same features of the liquid cabinets, steel cabinets resist aggressive chemicals, acid cabinets include polyethylene trays attached to galvanized steel shelves and a separate polyethylene liner for the bottom sump. The liner can be removed for easy cleaning of drips and leaks. Extra polyethylene top work tray (893002 only) can be secured to cabinet top for a work surface. All-epoxy, baked-on powder coat finish is exclusively formulated to resist the acids, bases and solvents. 2 door, manual-opening cabinet.

Stk.	Mfr.	Capacity	Shelf Depth	Size WxHxD	Weight	Price
<b>492288</b>	893002	30 gal.	1 @ 15"	43"x44"x18"	233 lbs.	<b>\$1,040.00</b>
<b>492290</b>	894502	45 gal.	2 @ 15"	43"x65"x18"	316 lbs.	<b>\$1,228.00</b>



### Flammable Liquid Storage

**Justrite** Sturdy 18-gauge steel, welded double-wall construction with 1-1/2" insulating air space. Self-close style features fusible links to hold doors open and concealed self-close mechanism for obstruction-free access.

- Yellow powder-coated, lead-free finish (*in/out*) for max. chemical resistance
- 10-yr. mfr.'s warranty
- Rounded door corners
- Dual vents w/ flame arrestors
- 2" leakproof sill to capture spills
- 4 adjustable, wobble-free leveling feet
- Internal & external welded construction
- 3-point, self-latching, easy-close doors
- U-Loc™ handle includes cylinder lock & keys or accepts a padlock (*sold separately*)
- Haz-Alert™ reflective warning labels are highly visible under fire conditions or during power outages when illuminated with a flashlight
- Adjustable galvanized steel shelves support 350 lbs.
- Meets FM, OSHA & NFPA Code 30 specifications
- Spill-catcher shelves adj. on 3" centers
- Sturdy continuous piano door hinge
- Red trilingual warning label
- Ground connector
- USA made

**Codes state that not more than 60 gal. may be Class I & Class II liquids. Uniform Fire Code approved. Cabinets shown with product, sold separately.**

#### 2 Door, Manual-close Cabinets

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492265</b>	893000	30 gal.	1	15"	43"W x 44"H x 18"D	231 lbs.	<b>\$891.00</b>
<b>492268</b>	894500	45 gal.	2	15"	43"W x 65"H x 18"D	310 lbs.	<b>\$1,104.00</b>
<b>492277</b>	896000	60 gal.	2	30"	34"W x 65"H x 34"D	387 lbs.	<b>\$1,329.00</b>

#### 2 Door, Self-close Cabinets

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492266</b>	893020	30 gal.	1	15"	43"W x 44"H x 18"D	237 lbs.	<b>\$997.00</b>
<b>492269</b>	894520	45 gal.	2	15"	43"W x 65"H x 18"D	313 lbs.	<b>\$1,213.00</b>
<b>492279</b>	896020	60 gal.	2	30"	34"W x 65"H x 34"D	392 lbs.	<b>\$1,445.00</b>

**Undercounter Cabinet, 2-Door Manual Close** 3-1/2"H x 2-1/2"D kickplate to mount flush with other cabinets.

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492292</b>	892300	22 gal.	1	19"	35"W x 35"H x 22"D	190 lbs.	<b>\$866.00</b>

#### Sliding Door, Self-close Cabinets

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492273</b>	893080	30 gal.	1	15"	43"W x 44"H x 18"D	246 lbs.	<b>\$1,483.00</b>
<b>492274</b>	894580	45 gal.	2	15"	43"W x 65"H x 18"D	330 lbs.	<b>\$1,705.00</b>
<b>492280</b>	896080	60 gal.	2	30"	34"W x 65"H x 34"D	405 lbs.	<b>\$2,154.00</b>

**Wall Mount, 2-Door Manual-close Cabinet** *Includes* wall mounting hardware.

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492291</b>	893400	20 gal.	5	9"	43"W x 44"H x 12"D	221 lbs.	<b>\$1,035.00</b>

**Piggyback Cabinet, 2-Door, Manual-close** Mount on top of Justrite's standard 30- and 45-gal. manual or self-close cabinets (*do not mount on sliding door cabinets*). Can also be used singly as a bench top cabinet or mount on the wall with optional Wall Hanger Assembly Kit (*sold separately*).

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492293</b>	891300	12 gal.	0		43"W x 18"H x 18"D	129 lbs.	<b>\$697.00</b>
<b>492295</b>	891700	17 gal.	1	15"	43"W x 24"H x 18"D	157 lbs.	<b>\$795.00</b>

#### Piggyback Cabinet Wall Hanger Assembly Kit

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492299</b>	25950						<b>\$95.90</b>

**Aerosol Can Cabinet, 1-Door Manual-close** 24 ga. galvanized steel roll-out shelves with easy-glide plastic rollers and stop guard protection. 2 fixed-position holders have twelve 2-3/4" dia. openings, accept cans up to 10" tall, and remove for easy cleaning.

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>492289</b>	890500	24 cans	2		21"W x 27"H x 18"D	62 lbs.	<b>\$1,098.00</b>



### Flammable Liquid Cabinets

**Eagle** Reinforced 18-gauge steel, double wall panel construction with 1-1/2" air space on top, sides, bottoms & doors.

- Yellow baked-on powder coat high gloss finish is lead-free
- Sturdy continuous piano door hinge
- 4 adjustable galvanized leveling legs
- Internal & external welded construction
- Meets OSHA & NFPA Code 30 specifications
- 2 vents w/2" threaded fittings have fire baffle & cap
- Adjustable galvanized steel shelves support 350 lbs.
- Red trilingual warning label
- 2" raised leakproof sill
- Ground connection
- 3-point key lock
- USA made

**Cabinets shown with product, not included. FM approved.**

#### 1-Door, Manual Close Cabinet

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379486</b>	1961	60 gal.	2	28"	31.25"W x 65"H x 31.25"D	364 lbs.	<b>\$1,158.00</b>

#### 2-Door, Manual Close Cabinet

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379407</b>	1932	30 gal.	1	15"	43"W x 44"H x 18"D	247 lbs.	<b>\$809.00</b>
<b>379474</b>	1947	45 gal.	2	15"	43"W x 65"H x 18"D	342 lbs.	<b>\$1,001.00</b>

#### 2-Door, Manual Close Cabinet

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379487</b>	1962	60 gal.	2	28-1/4"	31.25"W x 65"H x 31.25"D	354 lbs.	<b>\$1,200.00</b>

#### 2-Door, Manual Close Cabinet w/Safety Cans

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379408</b>	1932SC6	30 gal.	1	15"	43"W x 44"H x 18"D	290 lbs.	<b>\$966.00</b>
<b>379475</b>	1947SC9	45 gal.	2	15"	43"W x 65"H x 18"D	405 lbs.	<b>\$1,159.00</b>
<b>379488</b>	1962SC12	60 gal.	2	28-1/4"	31.25"W x 65"H x 31.25"D	440 lbs.	<b>\$1,404.00</b>

#### Sliding Door, Self Close Cabinets

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379405</b>	1930	30 gal.	1	14-3/4"	43"W x 44"H x 18"D	253 lbs.	<b>\$887.00</b>
<b>379470</b>	1945	45 gal.	2	14-3/4"	43"W x 65"H x 18"D	340 lbs.	<b>\$1,113.00</b>

#### Paint & Ink Storage Cabinets, 2-Door Manual Close

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379510</b>	YPI-77	30 gal.	5	8-3/4"	43"W x 65"H x 12"D	320 lbs.	<b>\$1,076.00</b>
<b>379506</b>	YPI-32	40 gal.	3	14-3/4"	43"W x 44"H x 18"D	281 lbs.	<b>\$862.00</b>
<b>379507</b>	YPI-47	60 gal.	5	14-3/4"	43"W x 65"H x 18"D	389 lbs.	<b>\$1,093.00</b>
<b>379508</b>	YPI-62	96 gal.	5	28"	31.25"W x 65"H x 31.25"D	412 lbs.	<b>\$1,371.00</b>

#### Under Counter, Self Close Cabinet

Stk.	Mfr.	Capacity	Shelves	Shelf Depth	Overall Size	Weight	Price
<b>379495</b>	1970	22 gal.	1	18-3/4"	35"W x 35"D x 22"H	215 lbs.	<b>\$924.00</b>

Attach Tall Storage  
Cabinets to the wall for added safety.

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

## CLAMPS

### Clamp Starter Set



#### Midwest

24-piece starter set includes:

- 6 Jorgensen handscrew clamps (2 ea. of #0, #2, 3/0)
- 6 Jorgensen C-clamps (2 ea. of 2", 4", 6" max. opening)

- 4 Pony spring clamps (2 ea. of 2", 3")
- 2 Pony pipe clamps, 3/4"
- 4 Quick-Grip bar clamps (2 ea. of 12", 24")
- 2 Jorgensen bar clamps, 4'

Stk.	Mfr.	Price
544847	MW-CLAMP	\$489.00

### Clamp Set



#### Midwest

22-piece Jorgensen clamp set includes:

- 6 expandable bar clamps (2 ea. of 6", 12", 24")
- 8 light-duty bar clamps (4 ea. of 4", 6")

- 4 medium-duty bar clamps (2 ea. of 24", 36")
- 4 heavy-duty bar clamps (2 ea. of 24", 36")

Stk.	Mfr.	Price
544846	MW-7340	\$389.00

### Bar Clamp Pads

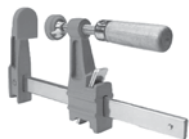


**Pony** Pads fit onto clamp faces to provide protective cushion between surface and pressure. May be used on Hargrave and Jorgensen bar clamps as well as on No. 50 pipe clamp.

Stk.	Mfr.	Qty.	Price
192943	7456	4	\$6.51

### Bar Clamps

#### Jorgensen



**Light-Duty Bar** 5/8" x 3/16". Throat 2". Capacity 300 lbs.

Stk.	Mfr.	Max. Opening	Price
192363	3704-LD	4"	\$10.30
192366	3706-LD	6"	\$10.60
192367	3708-LD	8"	\$11.10

**Medium-Duty Bar** 3/4" x 1/4". Throat 2-1/2". Capacity 600 lbs.

Stk.	Mfr.	Max. Opening	Price
192365	3706	6"	\$13.90
192369	3712	12"	\$16.00
192371	3718	18"	\$16.20
192375	3724	24"	\$18.20
192378	3730	30"	\$20.70
192382	3736	36"	\$22.60

**Heavy-Duty Bar** 1" x 5/16". Throat 2-1/2". Capacity 1,000 lbs.

Stk.	Mfr.	Max. Opening	Price
192368	3706-HD	6"	\$18.50
192370	3712-HD	12"	\$19.70
192372	3718-HD	18"	\$22.20
192376	3724-HD	24"	\$23.70
192379	3730-HD	30"	\$25.60
192383	3736-HD	36"	\$27.00

### Aluminum Bar Clamps



**Jorgensen** Die cast aluminum alloy. Stationary head cast from malleable iron. Orange baked enamel finish. Screw cold drawn

steel 1/2" dia. Smooth threads. Hardened steel thrust bearing at point of screw. Sliding vise-type handle.

Bar 1-5/16" x 13/16". Throat 1-5/8". Capacity 1,500 lbs.

Stk.	Mfr.	Max. Opening	Price
192345	3524	24"	\$40.40
192348	3536	36"	\$48.50
192352	3548	48"	\$58.90
192356	3560	60"	\$68.20
192360	3572	72"	\$79.10

### I-Bar Clamps



**Wilton** Rapid-acting powerful clamp constructed for hard, everyday production work. Patented quick-action, no-slip clutches are 3/4"

apart and formed in the web for greater bar strength. High-strength ductile slide cannot slip or bind, and is easily released. Steel handle with comfortable wood crank handle for fast clamping.

Bar 7/16" x 1-1/2". Throat 1-13/16". Capacity 6,000 lbs.

Stk.	Mfr.	Max. Opening	Price
961211	21801	24"	\$54.20
961278	21803	36"	\$67.60
961345	21804	48"	\$75.80
961412	21805	60"	\$83.90
961479	21806	72"	\$101.00

### Steel I-Bar Clamps



**Jorgensen** Bars with great strength and stiffness provide support for rigorous daily school and commercial shop demands. Resilient fixed-head is threaded to accommodate the screw.

Screws and handles are used for final clamping adjustments only. Multiple-disc clutch holds securely at any point along the bar.

Bar 1-1/2" x 7/16". Throat 2-1/8". Capacity 7,000 lbs.

Stk.	Mfr.	Max. Opening	Price
192608	7224	24"	\$56.30
192666	7230	30"	\$59.30
192675	7236	36"	\$62.80
192742	7248	48"	\$69.90
192809	7260	60"	\$77.00
192876	7272	72"	\$99.50

### 90° Parallel Bar Clamps



**Jorgensen** Designed for cabinet assembly work with 3-3/4" throat depth and 1-7/8" clamping surface. Multiple hardened steel clutches and rigid steel jaws with protective orange plastic. Features large maple handle, reversible head, built-in end stop and clamp stand.

Bar 1-3/16" x 3-3/8". Throat 3-3/4". Capacity 1,000 lbs.

Stk.	Mfr.	Max. Opening	Price
192946	8012	12"	\$51.50
192947	8024	24"	\$57.80
192948	8030	30"	\$63.10
192949	8036	36"	\$66.60
192951	8048	48"	\$73.50



### Automaxx™ Heavy-Duty Bar Clamps

**Kreg** Heavy-duty bar clamp features a highly durable, all-metal construction to withstand years of use. Ergonomic padded grips provide comfort, while extra-large clamp faces spread clamping pressure evenly. Adjustable clamping pressure.

Bar .275" x 1". Clamping pressure 700 lbs.

Stk.	Mfr.	Max. Opening	Throat	Price
<b>793914</b>	KSC-1485-12	12"	2-7/8"	<b>\$41.10</b>
<b>793915</b>	KSC-1485-24	24"	2-7/8"	<b>\$46.50</b>
<b>793916</b>	KSC-1485-40	40"	2-7/8"	<b>\$58.50</b>



### One-handed Mini Bar Clamps

**Quick-Grip** A strong clamp to fit in small places. Quick-Release® trigger for 1-hand use. High-tech resin construction is strong yet lightweight. Positive locking action holds work tight. Soft, durable pads protect work.

Bar 3/8" x 1/2". Throat 2-1/2". Capacity 150 lbs.

Stk.	Mfr.	Max. Opening	Price
<b>619585</b>	546	6"	<b>\$13.10</b>
<b>619569</b>	5412	12"	<b>\$13.30</b>



### One-handed Micro Bar Clamps

**Quick-Grip** Small, 1-handed clamp/spreader for hobby and craft applications. Reverse clamp pads for spreader.

Throat 1-3/16". Spread 3-1/8" x 8".

Stk.	Mfr.	Max. Opening	Qty.	Price
<b>619559</b>	53006	4-1/4"	1	<b>\$5.91</b>
<b>619561</b>	530062	4-1/4"	2	<b>\$10.60</b>



### One-handed Bar Clamp/Spreaders

**Quick-Grip** 1-handed clamp delivers 33 lbs. of sustained clamping force. Quick-change jaw for multipositioning flexibility. Large pliable pads protect workpiece. Heat-treated bar provides strength and rigidity. Strong, blue high-tech resin jaws.

Stk.	Mfr.	Max. Opening	Throat	Spread Capacity	Price
<b>619449</b>	506QCN	6"	3-1/4"	8" x 13-5/8"	<b>\$20.80</b>
<b>619555</b>	512QCN	12"	3-1/4"	8" x 19-5/8"	<b>\$23.10</b>
<b>619563</b>	518QCN	18"	3-1/4"	8" x 25-5/8"	<b>\$26.60</b>
<b>619567</b>	524QCN	24"	3-1/4"	8" x 31-5/8"	<b>\$28.90</b>
<b>619576</b>	536QCN	36"	3-1/4"	8" x 43-5/8"	<b>\$34.70</b>

### ISD® 3 Expandable Bar Clamps

**Jorgensen** 1-handed ease and substantial clamping force for woodworking projects. Allows 2 clamps to be combined for 6" of additional clamping length. Dual durometer handles with quick release for easy changes. Head reverses for spreading tasks.

Stk.	Mfr.	Max. Opening	Throat	Spread Capacity	Price
<b>192320</b>	33406	6"	3-1/4"	7-1/2" x 14"	<b>\$24.70</b>
<b>192321</b>	33412	12"	3-1/4"	7-1/2" x 20"	<b>\$28.80</b>
<b>192322</b>	33418	18"	3-1/4"	7-1/2" x 26"	<b>\$31.00</b>
<b>192323</b>	33424	24"	3-1/4"	7-1/2" x 32"	<b>\$35.50</b>
<b>192324</b>	33436	36"	3-1/4"	7-1/2" x 44"	<b>\$40.90</b>



### XP One-handed Bar Clamp/Spreaders

**Quick-Grip** One-hand gripping ease with 550 lbs. of pressure, making glue-ups and holding easier and faster. Reinforced I-beam bar resists twisting and bowing under pressure. Internal PowerLocks™ hold more pressure, longer. Quick-Change™ jaw quickly converts into a spreader. Non-marring pads.

Stk.	Mfr.	Max. Opening	Throat	Spread Cap'y	Price
<b>619543</b>	2021406N	6"	3-3/4"	9"x 14-5/8"	<b>\$31.70</b>
<b>619544</b>	2021412N	12"	3-3/4"	9"x 20-5/8"	<b>\$35.30</b>
<b>619545</b>	2021418N	18"	3-3/4"	9"x 26-5/8"	<b>\$39.30</b>
<b>619546</b>	2021424N	24"	3-3/4"	9"x 32-5/8"	<b>\$43.90</b>
<b>619547</b>	2021436N	36"	3-3/4"	9"x 44-5/8"	<b>\$52.40</b>
<b>619548</b>	2021450N	50"	3-3/4"	9"x 58-5/8"	<b>\$59.70</b>



### Style 50 Pipe Clamp

**Pony** Foot has clutch which grips automatically at any point.

**Black pipe, not to exceed 1.062" O.D., is not included.**

Stk.	Mfr.	Clamp Face	I.D. Pipe	Price
<b>191469</b>	50	1-3/4"	3/4"	<b>\$22.30</b>



### Style 52 Pipe Clamp

**Pony** Lightweight and ideal for light industrial/commercial applications.

**Black pipe not included.**

Stk.	Mfr.	Clamp Face	I.D. Pipe	Price
<b>191471</b>	52	1-1/2"	1/2"	<b>\$17.40</b>



### Pipe Clamps

**Quick-Grip** Clutch system eliminates need for threaded pipe. Large feet offer stability and clearance between handle and work top. Large

ergo handle for clamping with reduced hand fatigue. Large clutch plates allow easy release and increased durability and dependability.

**Black pipe not included.**

Stk.	Mfr.	Clamp Face	I.D. Pipe	Price
<b>619208</b>	224134	1-7/8"	3/4"	<b>\$20.50</b>
<b>619209</b>	224212	1-1/2"	1/2"	<b>\$16.60</b>



### Handi Clamps

**Quick-Grip** With just one-hand you'll squeeze to adjust and lock, click to release this lightweight portable clamp. It holds even odd-shaped objects for screwing, gluing and all kinds of jobs where

you need to hold things in place or out of your way. This durable res-in-constructed tool with non-marring swivel pads secures tightly or lightly.

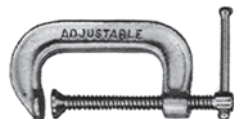
Stk.	Mfr.	Max. Opening	Price
<b>619237</b>	59200CD	2"	<b>\$8.95</b>
<b>619241</b>	59400CD	4"	<b>\$10.60</b>



### ISD Spring Clamps

**Pony** Quick-release trigger allows fast, easy positioning and release. Pivoting non-marring jaws hold odd-shaped workpieces. Riveted head assembly. Dual durometer handles for comfort.

Stk.	Mfr.	Length	Max. Opening	Price
<b>193174</b>	32150	5"	1-1/2"	<b>\$6.15</b>
<b>193175</b>	32225	8"	2-1/4"	<b>\$8.54</b>
<b>193176</b>	32400	9"	4"	<b>\$11.30</b>

**Style 1400 C-Clamps****Jorgensen** For ordinary light/regular-duty clamping. Strong, sturdy and serviceable.

Stk.	Mfr.	Max. Opening	Throat	Price
191938	1410	1"	1"	<b>\$2.18</b>
191945	1415	1-1/2"	1-1/2"	<b>\$3.74</b>
192005	1420	2"	1"	<b>\$2.97</b>
192010	1425	2-1/2"	2-1/2"	<b>\$6.03</b>
192072	1430	3"	2"	<b>\$6.32</b>
192082	1440	4"	3"	<b>\$10.80</b>
192086	1450	5"	3-1/4"	<b>\$12.50</b>
192092	1460	6"	3-1/2"	<b>\$14.20</b>
192100	1480	8"	4"	<b>\$19.70</b>

**Carriage Clamps****Jorgensen** C-clamps with frames treated for strength. Cold drawn steel screw and swivel.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
191534	102	6-1/2"	2-1/2"	1-3/4"	<b>\$13.40</b>
191536	103	7-1/2"	3"	1-7/8"	<b>\$14.20</b>
191603	104	9"	4"	2-1/8"	<b>\$20.10</b>
191670	105	10-1/4"	5"	2-1/2"	<b>\$22.10</b>
191737	106	11"	6"	2-3/4"	<b>\$24.90</b>
191804	108	13-1/2"	8"	3-1/4"	<b>\$42.20</b>
191871	110	17"	10"	3-5/8"	<b>\$57.00</b>
191873	112	18"	12"	3-5/8"	<b>\$75.10</b>

**Body Clamps****Jorgensen** Industrial strength regular duty, deep-throat C-clamps. Black baked-enamel finish. AC-ME-style thread and long frame hubs for durability.

Stk.	Mfr.	Max. Opening	Throat	Price
191885	126	6"	3-7/8"	<b>\$32.90</b>
191887	128	8"	4-1/2"	<b>\$48.90</b>

**Style 3200 Spring Clamps****Pony** Spring action allows instant opening and closing. Comfortable, contoured handle. Non-slip jaws become parallel at maximum opening capacities. Point-of-pressure remains near jaw tips throughout entire opening.**Without Tips or Handles**

Stk.	Mfr.	Length	Max. Opening	Price
192139	3201	4"	1"	<b>\$2.26</b>
192206	3202	6"	2"	<b>\$3.60</b>
192273	3203	9"	3"	<b>\$10.20</b>
192274	3204	12"	4"	<b>\$17.50</b>

**With Poly-vinyl Protected Tips**

Stk.	Mfr.	Length	Max. Opening	Price
192152	3201-T	4"	1"	<b>\$2.48</b>
192220	3202-T	6"	2"	<b>\$3.99</b>
192285	3203-T	9"	3"	<b>\$11.40</b>
192289	3204-T	12"	4"	<b>\$16.50</b>

**With Poly-vinyl Protected Tips & Handles**

Stk.	Mfr.	Length	Max. Opening	Price
192144	3201-HT	4"	1"	<b>\$3.03</b>
192212	3202-HT	6"	2"	<b>\$4.52</b>
192278	3203-HT	9"	3"	<b>\$12.50</b>
192288	3204-HT	12"	4"	<b>\$18.20</b>

**High-tech Resin Spring Clamps****Quick-Grip** One-hand use. Soft pliable pads protect fine finishes. Constructed from the same strong, lightweight and rust-resistant resin material as Quick-Grip bar clamps. Perfect for indoor and outdoor use. Contoured jaw holds round/odd-shaped objects. Removable pads

Comfort hand-span handles. Ergonomic non-slip handles.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
619551	58100	4"	1"	1"	<b>\$3.27</b>
619552	58200	6-1/2"	2"	2"	<b>\$4.74</b>
619253	58300	9"	3"	3"	<b>\$7.66</b>

**Metal Spring Clamps****Quick-Grip** Metal spring clamp with soft-grip pads for easy grip and comfort. For light-duty clamping.

Stk.	Mfr.	Max. Opening	Price
619522	222601	1"	<b>\$1.92</b>
619523	222702	2"	<b>\$3.89</b>
619524	222803	3"	<b>\$6.38</b>

**Adjust-a-Clamps****Pony** The pressure adjusting spring clamp provides instant opening and closing with 1 to 50 lbs. of clamping force with a simple turn of a screw. Soft, pivoting jaw pads. Clamps will hold irregular-shaped objects and protects work pieces without marring. Ideal for delicate gluing of models and crafts or heavy-duty work-holding.

Stk.	Mfr.	Length	Max. Opening	Reach Between Jaws	Price
192300	3251	4-1/2"	1"	1-1/4"	<b>\$7.94</b>
192301	3252	6-1/2"	2"	2-1/8"	<b>\$9.04</b>

**Mini Spring Clamps****Pony** Mini plastic spring clamps are ideal for hobbyist, crafts or any light-duty project that requires instant opening and closing and where fast, easy application to or removal from the work is required.

Stk.	Mfr.	Length	Max. Opening	Throat	Qty.	Price
192303	3271	2-1/4"	3/4"	3/4"	100	<b>\$57.10</b>
192306	3273	1"	3-1/2"	1-3/8"	35	<b>\$37.40</b>

**6-Piece Micro Spring Clamp Set****Craftsman** Spring action with pivoting jaw ends deliver equal, uniform pressure. Cushioned handles and non-marring pads.**Includes** 2 ea. of 3/4", 1" & 2".

Stk.	Mfr.	Price
305735	31493	<b>\$16.60</b>

Place your order on-line!  
**[www.midwesttechnology.com](http://www.midwesttechnology.com)**





### Handscrew Clamps

**Jorgensen** Handscrews have hardwood jaws and handles. Screws and nuts are cold drawn steel.

Stk.	Mfr.	Length	Max. Opening	Price
<b>191000</b>	3/0	6"	3"	<b>\$27.30</b>
<b>191134</b>	0	8"	4-1/2"	<b>\$30.20</b>
<b>191201</b>	1	10"	6"	<b>\$34.30</b>
<b>191268</b>	2	12"	8-1/2"	<b>\$42.70</b>
<b>191335</b>	3	14"	10"	<b>\$50.70</b>
<b>191402</b>	4	16"	12"	<b>\$88.10</b>



### Hold-down Clamp

**Jorgensen** Hold-down clamp offers the advantage of bench top and machine surface clamping. Designed to rotate 360° around the holding bolt. Use anywhere on wood or metal surfaces.

Stk.	Mfr.	Max. Opening	Throat	Price
<b>192110</b>	1623	3"	1-3/4"	<b>\$24.30</b>



### Wooden Handscrew Clamp

**Irwin** Crafted from quality boxwood. 4-1/2" jaws adjust to any angle for clamping non-parallel surface and odd shapes.

Stk.	Mfr.	Length	Max. Opening	Price
<b>456420</b>	226800	12"	4-1/2"	<b>\$23.70</b>

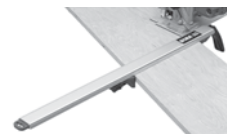


### Handscrew Clamp Kits

**Pony** Handscrew clamp kit is intended for woodworkers who want to make their own jaws.

**Includes** 1 end spindle & 1 middle spindle, 2 hardwood handles w/ferrules & rivets, 2 left-hand nuts & 2 right-hand nuts.

Stk.	Mfr.	Length	Max. Opening	Qty.	Price
<b>191100</b>	J-08	8"	4-1/2"	1	<b>\$14.70</b>
<b>191101</b>	J-10	10"	6"	1	<b>\$15.80</b>
<b>191102</b>	J-12	12"	8-1/2"	1	<b>\$19.60</b>

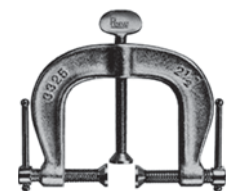


### Clamp Edge™

**Bora** Straight-edge clamping guides for wood-working, cabinetmaking, carpentry, etc. Use with circular, jig saws, routers and more. Clamps easily on everything from dimensional lumber to large sheets of flat building materials.

Over-sized clamping handle (w/lever-locking mechanism) provides increased clamping pressure. Large, rubberized clamps safely secure material. Air-craft-grade extruded aluminum body insures straight accurate cuts and rigid clamping. Easy-hang storage.

Stk.	Mfr.	Length	Max. Opening	Price
<b>193615</b>	543024	24"	24"	<b>\$44.00</b>
<b>193616</b>	543036	36"	36"	<b>\$50.60</b>
<b>193617</b>	543050	50"	50"	<b>\$58.30</b>



### 3-Way Edging Clamps

**Pony** Provides a convenient, practical method of applying right angle pressures to the edge or side of work. Malleable iron frame, steel screws and swivel.

Stk.	Mfr.	Max. Opening	Throat	Price
<b>192340</b>	3325	2-1/2"	2-1/2"	<b>\$14.70</b>

### Toggle Clamps



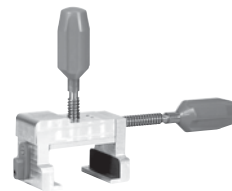
**Shop Fox** Quick-action clamps are extremely useful for bench-mounted jigs and special jigs for machinery. Steel toggle clamps affix to the work surface. Red rubber-grip handle.

### Clamp Down

Stk.	Mfr.	Size	Holding Force	Locked Handle	Price
<b>785800</b>	D4134	3" x 3"	200 lbs.	Up	<b>\$13.20</b>
<b>785805</b>	D4152	7" x 2"	500 lbs.	Down	<b>\$19.40</b>
<b>785803</b>	D4142	6" x 8.5"	792 lbs.	Up	<b>\$25.10</b>

### Push Down

<b>785802</b>	D4136	3" x 2.5"	100 lbs.	Up	<b>\$13.10</b>
<b>785801</b>	D4135	7" x 5"	300 lbs.	Up	<b>\$21.90</b>
<b>785804</b>	D4149	6.5" x 4"	500 lbs.	Up	<b>\$24.30</b>



### Cabinet Claw™

**Pony** Turns face frame cabinet installation into 1 easy process. The all-in-one design tightens, aligns and allows pre-drilling of pilot holes and fastening. Install 2 stiles from 1-1/2" to 2"W and up to 1-1/2" thick each. Aluminum claws and alignment plate. Screws are 1/2" dia. cold-drawn steel w/special, smoothly-cut Acme threads.

**Includes** drill bit.

Stk.	Mfr.	Price
<b>192945</b>	8511	<b>\$61.50</b>

### Corner Clamp



**Pony** Die cast aluminum clamps miter or butt joints at true 90° angle. Holds work up to 3"W and leaves joints exposed for miter correction, doweling, nailing or gluing window frames and doors. 2 countersunk holes permit clamp to be bench-top mounted.

Stk.	Mfr.	Price
<b>192968</b>	9166-K	<b>\$12.00</b>



### Rapid Acting Miter Clamp

**Pony** Quick-release clamp for fast adjustments while mitering or butting joints. Holds work up to 3"W and leaves joints exposed for miter correction, doweling, gluing or nailing. Durable die cast aluminum frame with large nylon handles. Smooth-rolled screw thread from cold-drawn steel. 2"W jaw, 1"H frame.

Stk.	Mfr.	Price
<b>192972</b>	9170	<b>\$30.60</b>



**Corner & Splicing Clamp**

**Pony** Lightweight, die-cast aluminum clamping device for making picture frames, screens, storm doors and windows. Clamps miter or butt joints at any angle 0°-180°, up to 3"W. Joints are exposed for nailing, fastening and gluing.

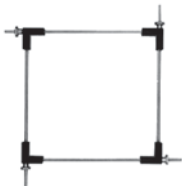
Stk.	Mfr.	Price
<b>192950</b>	9133	<b>\$16.40</b>



**Angle Clamp**

**Irwin** Designed to hold, fix and align material at a 90° angle. Clamp at maximum opening will accommodate 3" thick material.

Stk.	Mfr.	Price
<b>619212</b>	226410	<b>\$39.10</b>



**4-Corner Framing Clamps**

**Pony** For framing and fine rectangular work. Features high-impact, glass/polycarbonate Lexan corners.

Stk.	Mfr.	Size	Price
<b>192986</b>	9424	24"	<b>\$31.30</b>
<b>192990</b>	9448	48"	<b>\$40.60</b>



**Rapid-acting Band Clamp**

**Pony** Use for awkward or irregular-shaped clamping projects (round, polygon, square & odd shapes). Features glass-filled nylon frame, aluminum cam, plastic non-marring 1" x 1" jaws

for great fit on corners when gluing-up, metal levers for rapid adjustment/release and large comfortable plastic handle.

Stk.	Mfr.	Capacity	Size	Price
<b>191910</b>	1225	1,000 lbs.	1" x 15'L	<b>\$21.40</b>



**Band Clamp**

**Jorgensen** Great for applications where clamping of round or irregular objects presents a problem.

Stk.	Mfr.	Size	Price
<b>192407</b>	6215	2"W x 15'L	<b>\$118.00</b>

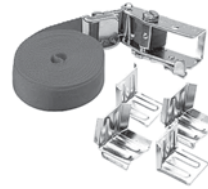


**Web Clamp**

**Pony** 1" wide nylon band encircles any round or irregular shape to apply pressure around the work. Use anyplace objects are to be temporarily clamped or bundled together. No knots to tie, untie or slip. Self-locking cam affords positive hold and instant release.

**Includes** 4 steel corners & wrench.

Stk.	Mfr.	Capacity	Size	Price
<b>191900</b>	1215-K	1,000 lbs.	1"W x 15'L	<b>\$17.80</b>



**Web Band Clamp**

**JET** Nylon band encircles round or irregular shaped objects to clamp or bundle them together. Self-locking, instant release latch.

**Includes** 4 steel corners.

Stk.	Mfr.	Capacity	Size	Price
<b>962537</b>	58910	1,000 lbs.	1"W x 15'L	<b>\$14.10</b>



**Fast Release Locking C-Clamps**

**Vise-Grip** Fast Release™ is 2x easier to open, has no-pinch release and offers more finger room. Wide opening jaws for greater clamping versatility. Turn screw to adjust pressure and fit work, stays adjusted for repetitive work. Durable high-grade, heat-treated alloy steel.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619345</b>	17T	6"	0 - 2-1/8"	1-1/2"	<b>\$12.40</b>
<b>619462</b>	19T	11"	0 - 3-1/8"	2-5/8"	<b>\$20.90</b>



**The Original™ Locking C-Clamps**

**Vise-Grip** Powerful locking mechanism. Jaws open wide. Guarded release helps keep work fast and safe. Adjusting screw gives exacting pressure. Locks work with the squeeze of 1

hand. Tough high-grade, heat-treated alloy steel.

**Regular Tips**

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619070</b>	6R	6"	2-1/8"	1-1/2"	<b>\$13.30</b>
<b>619402</b>	11R	11"	4"	2-5/8"	<b>\$19.00</b>
<b>619455</b>	18R	18"	8"	9-1/2"	<b>\$31.00</b>
<b>619492</b>	18DR	18"	7-1/2"	9-1/2"	<b>\$31.20</b>

**Swivel Pads**

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>618996</b>	4SP	4"	1-5/8"	1-1/4"	<b>\$13.10</b>
<b>619075</b>	6SP	6"	2-1/8"	1-1/2"	<b>\$12.70</b>
<b>619408</b>	11SP	11"	4"	2-5/8"	<b>\$20.50</b>
<b>619460</b>	18SP	18"	8"	9-1/2"	<b>\$28.60</b>



**Locking C-Clamps**

**Crescent** Rust resistant, nickel-plated finish. Maximum jaw opening meets

ASME standards. Precisely machined ferrule for fine jaw adjustment. Powerful, non-slip compound locking grip allows easy positioning of workpiece.

**Regular Tips**

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310632</b>	C6CCV	6"	2"	1-5/8"	<b>\$14.60</b>
<b>310634</b>	C11CCV	11"	4"	3-1/16"	<b>\$22.20</b>

**Swivel Pads**

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310633</b>	C6CCSV	6"	2-1/8"	1-1/2"	<b>\$15.90</b>
<b>310635</b>	C11CCSV	11"	4"	2-3/4"	<b>\$24.10</b>

**Welding Clamp w/Regular Tips**

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310637</b>	C9W	9"	1-1/2"	2-5/16"	<b>\$24.80</b>



**Locking Panel Clamp**

**Vise-Grip** Designed to move in a straight-line motion to allow more access to work area for quick clamping and alignment of auto body panels. Ideally suited for automotive and welding applications.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619495</b>	9AC	7"	3/8"	7/32"	<b>\$23.10</b>



**The Original™ Locking Welding Clamp**

**Vise-Grip** U-shaped for visibility & working space. Holds work in proper alignment.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619268</b>	9R	9"	1-5/8"	2-3/4"	<b>\$21.30</b>

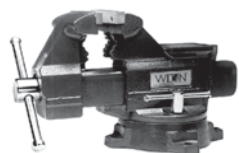


**Locking Chain Clamp**

**Vise-Grip** Holds and locks around any shape, any size. 18" chain length, 9" tool length.

Stk.	Mfr.	Price
<b>619469</b>	20R	<b>\$30.00</b>

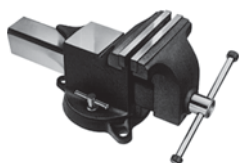
**VICES**



**Utility Bench Vises w/Swivel Base**

**Wilton** Utility workshop vise with formed steel channel beam and hefty 30,000 psi body casting. For utility and light-duty applications. 180° swivel lock down base. Large anvil. Replaceable, serrated steel top jaws for a tight grip. Built-in pipe jaws handles various pipe sizes.

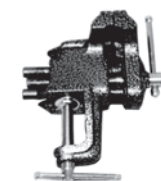
Stk.	Mfr.	Jaw	Jaw Cap'y	Throat	Pipe Jaw Cap'y	Price
<b>958943</b>	11126	4-1/2"W	4"	2-5/8"	1/8" to 2"	<b>\$121.00</b>
<b>958944</b>	11127	5-1/2"W	5"	3-7/8"	1/8" to 2-1/2"	<b>\$144.00</b>



**Heavy-Duty Bench Vise w/Swivel Base**

**Adjustable** Heavy cold-formed steel channel beams cover and protect vise screws adding to their great strength. Dual lock nuts allow a 360° swivel. Ductile/steel casting with black enamel finish, ground and polished. Acme threaded main screw. Hardened steel serrated jaw faces.

Stk.	Mfr.	Jaw	Jaw Cap'y	Throat	Pipe Jaw Cap'y	Price
<b>193140</b>	30404	4"W	4"	2-1/4"	1/4" to 1-1/2"	<b>\$85.50</b>
<b>193160</b>	30505	5"W	5"	2-5/8"	1/2" to 1-1/2"	<b>\$138.00</b>
<b>193170</b>	30606	6"W	6"	3"	3/4" to 2"	<b>\$150.00</b>



**Light Duty Bench Vise w/Clamp-On Base**

**Columbian** Small, portable lightweight vise for light shop work. Cast iron body with built-in pipe jaws. Double steel guide bars keep jaws aligned.

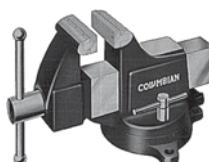
Stk.	Mfr.	Item	Jaw	Jaw Cap'y	Throat	Price
<b>962525</b>	33150	Stationary Base	3"W	2"	2-5/8"	<b>\$53.20</b>
<b>962526</b>	33153	Swivel Base	3"W	2"	2-5/8"	<b>\$63.50</b>



**Multi-Angle Base Vise**

**Stanley** For arts and crafts, model building and electronics. Infinite and lockable positioning with swivel-ball design. Easily attaches to most work surfaces with integral screw clamp. Durable cast-aluminum, steel construction and removable jaw pads

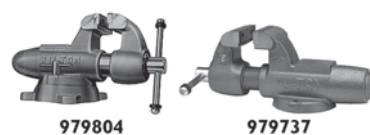
Stk.	Mfr.	Jaw Width	Jaw Capacity	Throat	Price
<b>864648</b>	83-069M	2-7/8"	4"	2-1/4"	<b>\$51.20</b>



**Industrial Machinists Vise w/Swivel Base**

**Columbian** Strong, ductile iron main castings guaranteed against defects. Steel jaw faces of hardened tool steel with knurled pattern ensures grip. Generous, ground and polished anvil. Gear lock bolt ensures positive lock against slippage. Swivel base rotates 360°.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Throat	Price
<b>960937</b>	10201	3"	4"	3"	<b>\$484.00</b>
<b>960938</b>	10202	3-1/2"	5"	3-1/4"	<b>\$521.00</b>
<b>960939</b>	10203	4"	6"	3-5/8"	<b>\$596.00</b>
<b>960940</b>	10204	4-1/2"	7"	4-1/8"	<b>\$670.00</b>
<b>960941</b>	10205	5"	8"	4-1/4"	<b>\$968.00</b>



**Industrial Machinists Bench Vises**

**Wilton** 60,000 psi tensile ductile iron body for mass and strength. Large anvil. Precision

thrust bearing creates greater clamping pressure and longevity. Extra deep throat provides more working room.

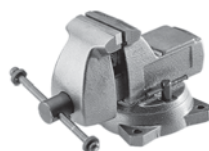
Enclosed design with lifetime lubrication for clean, smooth operation. Hardened steel jaw, replaceable inserts are machined-serrated for safe, sure grip under maximum torque.

**Swivel Base** 360° rotation is enhanced by serrated swivel base with double lockdowns for non-slip holding and 4 mounting posts.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Throat	Price
<b>979804</b>	300S	3"	4-3/4"	2-5/8"	<b>\$609.00</b>
<b>979938</b>	350S	3-1/2"	5-1/4"	2-3/4"	<b>\$649.00</b>
<b>980072</b>	400S	4"	6-1/2"	3-1/2"	<b>\$751.00</b>
<b>980206</b>	450S	4-1/2"	7-1/2"	4-3/16"	<b>\$838.00</b>
<b>980340</b>	500S	5"	8"	4-1/4"	<b>\$1,178.00</b>
<b>980407</b>	600S	6"	10"	5-1/2"	<b>\$1,566.00</b>

**Stationary Base**

Stk.	Mfr.	Jaw Width	Jaw Capacity	Throat	Price
<b>979737</b>	300N	3"	4-3/4"	2-5/8"	<b>\$544.00</b>
<b>979871</b>	350N	3-1/2"	5-1/4"	2-3/4"	<b>\$581.00</b>
<b>980005</b>	400N	4"	6-1/2"	3-1/2"	<b>\$670.00</b>
<b>980139</b>	450N	4-1/2"	7-1/2"	4"	<b>\$722.00</b>
<b>980273</b>	500N	5"	8"	4-1/4"	<b>\$1,050.00</b>

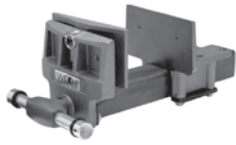


**Mechanics Vises w/Swivel Base**

**Wilton** Professional, heavy-duty mechanic's vise with 30,000 psi castings for strength and long life. Large anvil work surface. Swivel base rotates 360° and has maximum stability double lockdowns. Durable, scratch-resistant, powder coated paint. Replaceable hardened steel top and pipe jaws. Lifetime mfr.'s warranty.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Throat	Price
<b>958971</b>	21400	5"	5-1/4"	3-3/4"	<b>\$261.00</b>
<b>958972</b>	21500	6"	5-3/4"	4-1/8"	<b>\$335.00</b>
<b>958973</b>	21800	8"	8-1/4"	4-3/4"	<b>\$484.00</b>

**Pivot Jaw Woodworkers Vice**



**Wilton** Spindle is fully enclosed to protect threads from dust and glue. Front jaw pivots 10° for clamping irregular shapes. USA made. Front jaw moves up 9/16" for full-length dog action. Pivot jaw can be removed for wider clamping needs. Includes mounting instructions.

**Rapid Acting**

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
979475	78A	7"	10"	\$162.00
979480	79A	10"	13"	\$276.00

**Maple Jaw Inserts** Prevents marring of workpiece. Inserts slide on & off. Strong magnet holds inserts in place.

979476	78B	7"		\$33.80
979481	79B	10"		\$40.00

**Mounting Hardware** For mounting vises to 2-1/4" bench top.

543470	7879MP			\$9.00
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**Woodworking Vises**



**Jorgensen** Steel-handled vises with solid steel dog in the front jaw secures oversize work on the bench top (*w/la bench stop*). Machined, toed-in jaws provide solid grip. Front and back jaws have drilled and tapped holes for optional wood facings. Gray iron castings with black enamel finish. Cast bronze alloy roller nut insert. Fits any bench up to 3'T.

**Rapid-acting**

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
193180	40709-SH	7-1/8"	9"	\$227.00
193190	41012-SH	10"	12"	\$232.00

**Continuous Nut**

193181	40709-C-SH	7-1/8"	9"	\$233.00
193191	41012-C-SH	10"	12"	\$251.00

**Quick Release Heavy Duty Wood Vice**



**Shop Fox** Quick-release lever disengages screw for fast, efficient operation. Sliding dogs secure long workpieces to the bench and disappear out of the way when not in use. Heavy cast iron vises with polished guide rods.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
785770	D4327	7"	8"	\$111.00

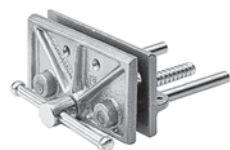
**Wood Vice**



**Shop Fox** Durable cast iron and chrome plated, cold rolled steel wood vice features precision machined castings with perfectly aligned guide bars.

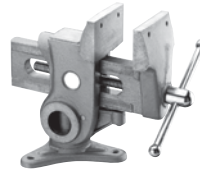
Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
785631	D2255	8"	7-1/4"	\$62.00

**Woodcraft Vice**



**Columbian** Lightweight, economy woodcraft vise with high-tensile iron jaws, cold rolled steel guide bars and chrome plated screw. Jaws are drilled for easy wood face attachment.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
962532	33176	6-1/2"	4-1/2"	\$40.00



**Parrot Vice™ w/Swivel Base**

**Shop Fox** Versatile vise swivels 360° and locks in place when the jaw is tightened. Also mount sideways. Precision casting and machining. Holes in jaws allow mounting of custom wooden faces.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
785660	D3125	3-1/2"	4-3/4"	\$71.40



**Swivel Vacuum Base Vice**

**Wilton** Lightweight, portable vise with vacuum base seals to any flat, clean and dry surface. Cast aluminum body. 360° swivel base and 180° head tilt. Offers removable rubber jaw faces. Steel V-grooved jaws.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
961550	3VB	2-3/4"	2-1/2"	\$63.50



**Swivel Vacuum Vice**

**General** Quick-lever action grips vise base firmly to glass, metal, Formica, fiberglass or any smooth surface. Universal ball joint swivels 360° and tilts 90°. V-grooved replaceable hardened steel jaws with slide on rubber jaws for fragile work. Folds for storage.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Price
419892	1850	3"	2-5/8"	\$84.80



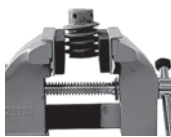
**Benchjaws Work Support Vice**

**Rockwell** Hands-free bench vise utilizes a foot pedal clamp in order to maximize clamping efficiency without taking up a lot of space. 2-position mount, 90° repositioning in order to get the best angle on bulky or oddly shaped materials.

- Mounts to the corner or center of any standard workbench
- All-steel construction provides rigidity & strength
- Up to 16" clamping range & supports up to 220 lbs. of load
- Generates over 1-ton of clamping force

**Shown w/bench, sold separately.**

Stk.	Mfr.	Size	Price
693888	RK9006	21.3"L x 9.8"W x 12.4"H	\$130.00



**Bench Vise Pads**

**Olson** Soff Jaws™ grip irregular shapes, delicate pieces & threaded parts. Resilient ethylene vinyl acetate pads prevent marring of finished surfaces. Magnetic strips hold pads to bench vise. Fits best on 3", 3-1/2" & 4" vises, but can be mounted on larger vises.

Do not use to hold glass bottles or beakers.

**Shown w/vise, sold separately.**

Stk.	Mfr.	Size	Qty.	Price
613749	AC79935	3-1/2"W	2	\$11.50



**Bench Stop**

**Le Claire** Aluminum bench stop. For insertion in drilled holes of bench top. 2-1/2" length, 3/4" shank & 1/4" thick at the top.

Stk.	Mfr.	Size	Price
533268	MW1	2-1/2"L	\$4.73

## WORK STANDS



### Sawhorse Brackets

**Fulton** Make your own sawhorse using 2x4 lumber (w/out miter cuts). 20 ga. steel brackets connect legs and top. Extra long for strength with flared nail holes for quick assembly. Baked enamel corrosion-resistant finish. Easy storage.

Stk.	Mfr.	Size	Qty.	Price
<b>942842</b>	300SHB	4"L x 3-3/4"W x 5-3/4"H	2	<b>\$5.33</b>



### Folding Steel Sawhorse

**Fulton** Lightweight, rust-resistant galvanized steel. Pre-drilled for wood top (not included). 1,000 lb. capacity per pair (sold singly). Folds to 6" x 8" x 32-1/2". USA made.

Stk.	Mfr.	Size	Qty.	Price
<b>482729</b>	TS-11	32-1/2"L x 29-1/4"H	1	<b>\$32.80</b>



### Tote-A-Horse™ Portable Saw Horse

**Fulton** Legs have 7 height adjustments from 25" to 40". Fully assembled with carrying handle. Powder coated steel legs fold into frame for carrying and storage. 2,000 lb. capacity pair at lowest height setting.

Stk.	Mfr.	Size	Qty.	Price
<b>482734</b>	TS-510S	38"L x 25" - 40"H	1	<b>\$66.20</b>



### JawHorse™ Material Support & Workstation

**Rockwell** Powerful, hand-free clamping sawhorse can be used as a 1-ton vise, machine press or workbench. Tripod base with foot pads provides ultimate stability. The foot pedal lever creates extreme clamping force. 600 lb. capacity.

- Clamp large objects up to 37" W
- 1" per step clamp travel
- Holds odd shaped objects
- Integrated wheel for easy transport
- 5-yr. mfr.'s warranty
- 42.9 lbs.

Stk.	Mfr.	Size	Price
<b>693887</b>	RK9003	39.5"L x 39"W x 34"H	<b>\$208.00</b>



### JawHorse™ Sheetmaster Material Support & Workstation

**Rockwell** Hands-free operation makes it easy to clamp and hold large work pieces. Non-marring grips on jaws help protect work. Supports up to 600 lbs. of weight. 49" maximum clamping.

- Clamping force up to 1 ton
- Folds & rolls for portability & storage
- Auto-locking legs
- All-steel construction
- Rugged wheel for easier transport
- 53 lbs.

Stk.	Mfr.	Size	Price
<b>693886</b>	RK9002	44"L x 33-3/4"W x 35"H	<b>\$282.00</b>

## HAMMERS



### Ball Pein Hammers

**Great Neck** Genuine hickory handle. Ball pein end used for riveting, shaping and straightening unhardened metals. Drop forged steel head for strength and durability.

Stk.	Mfr.	Weight	Length	Price
<b>281025</b>	BP8	8 oz.	11.5"	<b>\$8.63</b>
<b>281026</b>	BP16	16 oz.	14.2"	<b>\$12.20</b>
<b>281027</b>	BP24	24 oz.	14.8"	<b>\$13.50</b>
<b>281028</b>	BP32	32 oz.	15"	<b>\$16.00</b>



### Brass Hammers

**Proto** Non-marring soft brass head absorbs blow impact to eliminate or reduce work damage. Non-sparking for safety near combustible items.

Stk.	Mfr.	Head	Handle	Weight	Price
<b>907670</b>	1430G	1-1/2" dia. x 3-1/2"L	12"	1.5 lbs.	<b>\$57.80</b>
<b>907674</b>	1432G	1-3/4" dia x 3-1/2"L	12"	2.6 lbs.	<b>\$103.00</b>



### Double Faced Sledge Hammers

**Jackson** Perfect for destruction work, breaking dry wall or masonry walls. Hickory handle for maximum strength and shock resistance. Head is forged from high-carbon steel and tempered for hardness.

Stk.	Mfr.	Handle	Weight	Price
<b>532830</b>	1197900	36"	8 lbs.	<b>\$38.10</b>
<b>532831</b>	1199100	36"	10 lbs.	<b>\$44.40</b>
<b>532832</b>	1199400	36"	12 lbs.	<b>\$50.80</b>
<b>532833</b>	1199700	36"	16 lbs.	<b>\$68.60</b>



### Cross Pein Sledge Hammer

**Great Neck** Drop forged steel for strength and durability. Fully polished. Fiberglass handle with soft rubber grip for control.

Stk.	Mfr.	Handle	Weight	Price
<b>281029</b>	CP3	14"	3.2 lbs.	<b>\$17.30</b>



### Drilling Sledge Hammer

**Stanley** Ideal for striking chisels, punches, start drills and unhardened metals. Fiberglass core adds strength and durability in the handle, reduces vibrations and provides the "feel of wood". Yellow-colored shaft for easy product visibility. Exclusive rim temper reduces incidences of chipping or spalling.

Stk.	Mfr.	Head	Handle	Weight	Price
<b>857900</b>	56-705	4-1/2"	10-3/4"	3 lbs.	<b>\$21.30</b>



### Compo-Cast® Standard Head Soft Face Hammers

**Stanley** Non-sparking soft face hammer of Uni-Cast™ construction has no exposed metal. Will not mar surfaces. Dead blow function uses steel shot. Steel reinforced handles provide added strength and safety, resists breaking on overstrike.

Stk.	Mfr.	Handle	Weight	Price
<b>858600</b>	57-531	11-1/4"	18 oz.	<b>\$34.60</b>
<b>858601</b>	57-532	12-7/8"	21 oz.	<b>\$40.20</b>

**Soft Face Hammer****GEARWRENCH** For light assembly applications where condition of workpiece is important.

Stk.	Mfr.	Handle	Weight	Price
<b>433520</b>	822260	13"L	12 oz.	<b>\$22.60</b>

**Soft Face Hammer w/Hickory Handle****Stanley** Replaceable tips are made of tough plastic that won't mar finely finished surfaces. Handles are made of hickory securely locked in steel center body.

Stk.	Mfr.	Handle	Weight	Price
<b>859023</b>	57-594	12"L	8 oz.	<b>\$24.00</b>
<b>859090</b>	57-595	13-1/2"L	16 oz.	<b>\$26.70</b>

**Riveting Hammers****CS Osborne** This forged steel, highly-polished riveting hammer head with hardwood handle will provide you with years of superior service.

Stk.	Mfr.	Head	Handle	Weight	Price
<b>614210</b>	57-2	9/16" dia. x 4-1/4"L	9-3/4"L	12 oz.	<b>\$36.30</b>
<b>614212</b>	57-4	3/4" dia. x 4-3/4"L	9-3/4"L	16 oz.	<b>\$48.20</b>

**Riveting / Tack Hammer****CS Osborne** Forged steel head is super-heat treated. Striking portions magnetized. Lacquered white hickory handle.

Stk.	Mfr.	Head	Handle	Weight	Price
<b>614750</b>	222	5-1/2"L	9-1/2"L	7-1/2 oz.	<b>\$39.30</b>

**Bricklayer's Hammers****Marshalltown** Forged 1-piece high grade steel. Balanced and perfectly fitted hickory handle. For breaking, trimming and cleaning brick. USA made.

Stk.	Mfr.	Weight	Length	Price
<b>528536</b>	600	16 oz.	11"	<b>\$31.10</b>
<b>528537</b>	601	24 oz.	11-1/2"	<b>\$34.20</b>

**Drywall Hammer****Marshalltown** Drop-forged head, fully polished milled face. Checkered head design to dimple drywall. Wedge-shaped steel blade is notched underneath to double as a nail puller. Fired-hickory handle.

Stk.	Mfr.	Weight	Length	Price
<b>528557</b>	DH764	12 oz.	13-1/4"	<b>\$28.50</b>

**FatMax® Xtreme AntiVibe Hammers****Stanley** Patented over-sized strike face. Anti-vibration soft grip reduces vibration & arm fatigue. Precision balanced head.**Framing Hammer**

Stk.	Mfr.	Weight	Length	Type	Price
<b>855633</b>	51-167	22 oz.	16"	Checkered Face	<b>\$37.50</b>
<b>855634</b>	51-177	22 oz.	16"	Smooth Face	<b>\$37.50</b>

**Nailing Hammer**

Stk.	Mfr.	Weight	Length	Type	Price
<b>855630</b>	51-162	16 oz.	13-1/2"	Curve Claw	<b>\$31.00</b>
<b>855631</b>	51-163	16 oz.	13-1/2"	Rip Claw	<b>\$31.00</b>
<b>855632</b>	51-165	20 oz.	13-1/2"	Rip Claw	<b>\$32.50</b>

**Solid Steel Anti-shock Hammers****Plumb** Shock-absorbing design with magnetic nail starter. Solid steel hammer provides anti-vibration performance for less fatigue and joint discomfort. Contoured grips provide comfort and control.

Stk.	Mfr.	Weight	Type	Price
<b>307320</b>	SS16CN	16 oz.	Curve Claw	<b>\$27.60</b>
<b>307322</b>	SS20CN	20 oz.	Curve Claw	<b>\$30.90</b>
<b>307321</b>	SS16RN	16 oz.	Rip Claw	<b>\$27.60</b>
<b>307323</b>	SS20RN	20 oz.	Rip Claw	<b>\$30.90</b>

**Neon Fiberglass Hammers****Great Neck** High quality Contractor Hi-Visibility™ hammer. Fiberglass handle with neon orange grip.

Stk.	Mfr.	Weight	Length	Type	Price
<b>281177</b>	HG16C	16 oz.	12-3/4"	Curve Claw	<b>\$12.30</b>
<b>281178</b>	HG16S	16 oz.	13"	Rip Claw	<b>\$12.30</b>
<b>281179</b>	HG24S	24 oz.	15-3/4"	Rip Claw / Ckrd. Face	<b>\$16.00</b>

**Fiberglass Nailing Hammer****Stanley** High-visibility yellow, fiberglass handle absorbs shock and vibration, reduces breakage. Textured, rubber grip. Heat-treated and rim tempered for durability and safety.

Stk.	Mfr.	Weight	Length	Type	Price
<b>855640</b>	51-621	16 oz.	13"	Curve Claw	<b>\$14.60</b>
<b>855641</b>	51-622	16 oz.	13"	Rip Claw	<b>\$14.60</b>

**Cushion Grip Fiberglass Hammers****Plumb** Polished head, bell and striking face with round neck and bell. Black molded cushion grip on fiberglass handle. Permabond process assures tight head-to-handle attachment.

Stk.	Mfr.	Weight	Length	Type	Price
<b>307282</b>	11-407	13 oz.	13-1/2"	Curve Claw	<b>\$21.30</b>
<b>307281</b>	11-406	16 oz.	13"	Curve Claw	<b>\$21.90</b>
<b>307280</b>	11-405	20 oz.	13-1/2"	Curve Claw	<b>\$24.00</b>
<b>307291</b>	11-419	16 oz.	13"	Rip Claw	<b>\$21.90</b>
<b>307290</b>	11-418	20 oz.	13-1/2"	Rip Claw	<b>\$23.30</b>

**Jacketed Graphite Hammer****Stanley** Graphite core provides strength, durability and the feel of wood but with overstrike protection. Rim Tempered™ end, high-carbon, polished steel, precision-balanced head. Ribbed-grip handle cools hand, channels sweat away. Head-to-handle assembly. Flared-grip end prevents hammer slippage.

Stk.	Mfr.	Weight	Length	Type	Price
<b>856490</b>	51-505	16 oz.	13-1/4"	Curve Claw	<b>\$22.50</b>

**SteelMaster™ Curved Claw Hammer****Stanley** Heat-treated, high-carbon polished steel head for durability. Rim temper reduces chipping. Chromed, shot-blasted steel shaft resists rust. Textured rubber comfort grip is flared to prevent slipping.

Stk.	Mfr.	Weight	Length	Type	Price
<b>855607</b>	51-031	16 oz.	13-3/8"	Curved Claw	<b>\$29.70</b>



**Wood Handled Hammers**

**Stanley** Heat-treated high-carbon steel head with polished bell face. Hickory wood handle.

Stk.	Mfr.	Weight	Length	Type	Price
<b>856544</b>	51-613	7 oz.	11-1/2"	Curve Claw	<b>\$8.93</b>
<b>856567</b>	51-713	13 oz.	13"	Curve Claw	<b>\$9.37</b>
<b>856546</b>	51-616	16 oz.	13-1/4"	Curve Claw	<b>\$10.30</b>
<b>856568</b>	51-716	16 oz.	13-1/4"	Rip Claw	<b>\$10.30</b>



**Hickory Handle Framing Hammer**

**Great Neck** Highest quality Contractor Series Super-Pro hammer. Laser notched anti-slip hickory handle.

Stk.	Mfr.	Weight	Length	Type	Price
<b>281176</b>	SP24F	24 oz.	17-1/2"	Rip Claw	<b>\$17.40</b>



**Rip Claw Framing Hammers**

**DEWALT** Lightweight fast-swinging hammer reduces fatigue. Strong hickory axe handle. Grip-enhanced finish reduces slipping.

Stk.	Mfr.	Weight	Length	Type	Price
<b>243419</b>	DWHT51411	17 oz.	17-1/2"	Plain Face	<b>\$31.40</b>
<b>243420</b>	DWHT51418	17 oz.	17-1/2"	Clkd. Face	<b>\$31.40</b>



**Wood Handle Ball Pein Hammers**

**Stanley** High-carbon steel drop-forged head, hardened Rim Tempered™ face, minimizes chipping and assures greater safety. Hickory handles, lacquered and multiple wedged.

Stk.	Mfr.	Weight	Length	Price
<b>856611</b>	54-004	4 oz.	10-7/8"	<b>\$17.10</b>
<b>856745</b>	54-008	8 oz.	12-1/4"	<b>\$18.30</b>
<b>856812</b>	54-012	12 oz.	13"	<b>\$20.00</b>
<b>856879</b>	54-016	16 oz.	14"	<b>\$20.90</b>
<b>857013</b>	54-024	24 oz.	15"	<b>\$23.80</b>
<b>857080</b>	54-032	32 oz.	16"	<b>\$25.90</b>

856611 | Does not have a rim tempered face.



**Hammer Handles**

**Link** Heavy-weight hickory handles. Tempered for extra strength. Natural wax finish.

**Includes** wood wedge & steel wedge.

Stk.	Mfr.	Weight	Length	Type	Price
<b>943106</b>	403-08	For 8-12 oz.	12"	Ball Pein	<b>\$6.65</b>
<b>943107</b>	405-08	For 16-20 oz.	14"	Ball Pein	<b>\$6.65</b>
<b>943108</b>	407-08	For 24-28 oz.	16"	Ball Pein	<b>\$6.67</b>
<b>943109</b>	432-04	For 58 oz.	16"	Blacksmith	<b>\$7.76</b>
<b>943103</b>	304-08	For 16 oz.	14"	Octagon Nail	<b>\$6.12</b>
<b>943104</b>	325-19	For 13 oz.	13"	Standard Nail	<b>\$6.19</b>
<b>943102</b>	300-19	For 16 oz.	14"	Standard Nail	<b>\$7.53</b>
<b>943101</b>	001-09	For 6-16 lb.	36"	Sledge	<b>\$9.25</b>

**Replacement Handle** Hickory.

Stk.	Mfr.	Weight	Length	Type	Price
<b>943105</b>	327-04	7 oz.	12"	Riveting/Tack	<b>\$6.74</b>

**MALLETS**



**Rubber Mallets**

**CS Osborne** Solid rubber heads and hickory handles.

**Black**

Stk.	Mfr.	Head	Weight	Price
<b>614670</b>	197-2	2" dia. x 3-1/4"L	11 oz.	<b>\$14.10</b>
<b>614737</b>	197-3	2-1/2" dia x 4-1/2"L	25 oz.	<b>\$16.80</b>

**White**

Stk.	Mfr.	Head	Weight	Price
<b>614804</b>	396-2	2" dia. x 3-1/4"L	11 oz.	<b>\$16.90</b>
<b>614871</b>	396-3	2-1/2" dia x 4-1/2"L	25 oz.	<b>\$19.40</b>



**Hickory Mallets**

**CS Osborne** All hickory, second growth, lacquered.

**Straight Side Head**

Stk.	Mfr.	Head	Weight	Price
<b>614268</b>	90	2" dia. x 4"L	7 oz.	<b>\$20.70</b>

**Barrel Head**

Stk.	Mfr.	Head	Weight	Price
<b>614201</b>	89.5-3-1/2	2" dia. x 5-1/4"L	12 oz.	<b>\$21.00</b>
<b>614134</b>	89.5-3	2-1/4" dia x 5-1/2"L	12 oz.	<b>\$21.00</b>
<b>614067</b>	89.5-2-1/2	2-3/8" dia. x 5-1/2"L	16 oz.	<b>\$21.00</b>



**Rawhide Mallets**

**CS Osborne** Head made from solid rawhide, glued and steel riveted.

Stk.	Mfr.	Head	Weight	Price
<b>614335</b>	196-1	1-1/4" dia. x 3-1/8"L	4oz.	<b>\$30.70</b>
<b>614402</b>	196-2	1-1/2" dia. x 3-1/4"L	6 oz.	<b>\$35.40</b>
<b>614469</b>	196-3	1-3/4" dia x 3-3/8"L	8 oz.	<b>\$41.60</b>
<b>614536</b>	196-4	2" dia. x 3-1/2"L	10 oz.	<b>\$51.10</b>
<b>614603</b>	196-5	2-1/2" dia. x 3-3/8"L	16 oz.	<b>\$70.60</b>

**NAIL SETS**



**Nail Set**

**Craftsman** For countersinking finishing nails. Made of high carbon steel.

**Includes** 1/32", 2/32" & 3/32".

Stk.	Mfr.	Price
<b>305755</b>	37354	<b>\$11.30</b>

**Nail Sets**



**Stanley** No roll square head. Alloy steel. Cupped, chamfered tip.

Stk.	Mfr.	Dia.	Price
<b>859157</b>	58-111	1/32"	<b>\$2.62</b>
<b>859224</b>	58-112	2/32"	<b>\$2.62</b>
<b>859291</b>	58-113	3/32"	<b>\$2.62</b>
<b>859358</b>	58-114	4/32"	<b>\$2.72</b>

**3-Piece Set Includes** 1/32", 2/32", 3/32".

Stk.	Mfr.	Dia.	Price
<b>859440</b>	58-230		<b>\$6.79</b>



**Self-centering Nail Set**

**Stanley** Engineered for faster, positive self-center setting of 4d and 6d finishing nails mechanically without marring wood surface. Nickel-plated.

Stk.	Mfr.	Dia.	Length	Price
<b>859136</b>	58-011	9/16"	3-5/32"	<b>\$6.88</b>



**Cushion Grip Nail Sets**

**Stanley** No-slip cushion-grip has shock-absorbing ribs for precision hold. 25% longer to easier set hidden and hard-to-reach nails. Fully-hardened, precision-milled steel. Long beveled tip for easier nail head alignment. Color-coded by tip size.

Stk.	Mfr.	Dia.	Price
<b>859480</b>	58-911	1/32"	<b>\$4.90</b>
<b>859481</b>	58-912	2/32"	<b>\$4.90</b>
<b>859482</b>	58-913	3/32"	<b>\$5.06</b>

**3-Piece Set Includes** 1/32", 2/32", 3/32".

Stk.	Mfr.	Dia.	Price
<b>859485</b>	58-930		<b>\$10.60</b>



**3-Piece Nail Set**

**DEWALT** Interchangeable nail set features 2 double-end fully hardened, precision-milled steel bits. Long, beveled tips for easy nail-head alignment and versatility. Hexagonal head prevents rolling and can be used as a standard drill chuck. Nail set doubles as drill extension. Knurled locking collar allows easy tip release and reversal.

**Includes** 2 double-end bits with 1/32", 2/32", 3/32" & #2 Phillips tips.

Stk.	Mfr.	Price
<b>243404</b>	DWHT58503	<b>\$13.60</b>

**PRY BARS, CLAWS & PULLERS**



**Wonder Bar® Pry Bar**

**Stanley** Provides extra reach and more leverage. The tightly radiused bend angle provides precise positioning and the extra long tongue provides better grip and longer reach for the hard-to-get-at places. The arch in the bar center gives it more swing during nail pulling. Also works as a panel lift.

Stk.	Mfr.	Stock	Length	Price
<b>857825</b>	55-525	3/8" x 1-5/16"	16"	<b>\$15.30</b>



**Reversed Hook Pry Bar**

**Craftsman** Drop forged pry bar with reversed hook, flat claws and rocker head. Wide sharp ground blade.

Stk.	Mfr.	Length	Price
<b>305747</b>	37330	15"	<b>\$15.60</b>



**Spring Steel Flat Bars**

**DEWALT** Strong, durable spring steel bar with extra-wide prying end gives greater leverage. Pointed, beveled end for penetration and nail pulling. Offers flexibility of multiple nail pullers.

Stk.	Mfr.	Length	Price
<b>243405</b>	DWHT55518	13"L	<b>\$16.20</b>
<b>243406</b>	DWHT55528	21"L	<b>\$19.40</b>



**Versabar Pry Bar**

**Great Neck** Forged in 1 piece. Hardened & tempered for added strength & longer durability.

Stk.	Mfr.	Length	Price
<b>281020</b>	CVB15	15"	<b>\$6.48</b>



**Hexagonal Ripping Bars**

**Stanley** Ideal for basic demolition work. High-carbon steel with 1-1/4"W blade. Slotted claw & beveled ends.

Stk.	Mfr.	Stock	Length	Price
<b>857480</b>	55-118	3/4"	18"	<b>\$9.00</b>
<b>857481</b>	55-124	3/4"	24"	<b>\$10.80</b>
<b>857482</b>	55-130	3/4"	30"	<b>\$11.90</b>
<b>857483</b>	55-136	3/4"	36"	<b>\$13.00</b>



**Roll Head Pry Bars**

**Mayhew** Forged from top quality steel and heat-treated for superior strength. The 90° angle bar provides the greatest leverage for the toughest jobs.

Stk.	Mfr.	Stock	Length	Price
<b>528610</b>	40101	1/2"	16"	<b>\$17.10</b>
<b>528611</b>	40102	5/8"	18"	<b>\$20.80</b>



**Beveled Nail Claw**

**Stanley** Ideal for general nail pulling & prying. Special cat's paw extracting claw with beveled nail slot. Ergonomic comfort grip helps reduce slipping & helps protect from extreme temperature. Heat-treated for durability.

Stk.	Mfr.	Length	Price
<b>857460</b>	55-033	10-/14"	<b>\$11.30</b>



**Long Jaw Nail Puller**

**Crescent** Impact handle sides on long jaw for hammer action which drives claw under nail head. Extended short jaw for control and leverage. Box-joint forged tempered jaws. Black enameled finish.

Stk.	Mfr.	Length	Price
<b>308825</b>	56	19"	<b>\$77.30</b>



**Double End Nail Puller**

**Ames** Heat treated medium carbon steel for maximum strength. Beveled nail slots on both ends to grasp any part of the nail including embedded and headless nails with its straight or rolling head claws.

Stk.	Mfr.	Stock	Length	Price
<b>532780</b>	1165300	5/8"	11"	<b>\$12.30</b>

**MEASURING TOOLS**



**Truflex II Flexible Curves**

**Alvin** Lightweight aluminum core easily forms to hold any curve. Flat inking edges measure millimeters and inches. Metric graduations are red, fractional graduations are black. Lead and phthalate free.

Stk.	Mfr.	Length	Price
<b>196093</b>	A1044-12	12"	<b>\$9.36</b>
<b>196094</b>	A1044-24	24"	<b>\$17.60</b>





### Folding Wood Rule

**Lufkin** Bold red and black markings on white background with clear epoxy coating. Brass-plated positive lock joints. Solid brass end caps and strike plates. Marked both edges, both sides. 1/6" stud centers in red.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>309613</b>	T066N	6'	5/8"	1/6ths	<b>\$18.00</b>



### Folding Rule w/Brass Slide

**Lufkin** Heavy-duty rule with a 6" graduated brass slide fitted into 1' end section. Slide runs under friction and has a stop. Wood sections are 1/3 heavier than regular rules. 1/6" stud centers in red.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>308608</b>	TX46N	6'	5/8"	1/6ths	<b>\$26.80</b>



### Office Rulers

**Westcott** Select hardwood with clear lacquer finish, single level with metal edge.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189070</b>	05011	12"	1-3/8"	1/4"	1/6ths	<b>\$1.61</b>
<b>189071</b>	05018	18"	1-3/8"	1/4"	1/6ths	<b>\$2.35</b>



### Wooden School Ruler

**Westcott** Select hardwood ruler with clear, durable lacquer finish. Numerals and graduations are sharply delineated. 1 metal edge.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189260</b>	10377	12"	1-1/8"	1/8"	1/6th & mm	<b>\$0.90</b>



### English/Metric Ruler

**Westcott** English/metric ruler of select hardwood with a multiple-coat clear lacquer finish. Sharply delineated numerals. 1 metal edge. Ring binder holes.

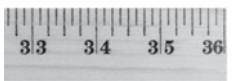
Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189169</b>	10702	12"	1-1/8"	1/8"	1/6ths, 30cm	<b>\$0.76</b>



### School Shop Rulers

**Down East** One-piece select hardwood with tough clear coating, bold embedded markings and brass end caps. Large graduations, inches numbered vertically top to bottom. Marked on both sides, both edges.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>308564</b>	7012	12"	1-1/2"	1/4"	8ths, 1/6ths	<b>\$18.30</b>
<b>308560</b>	7024	24"	1-1/2"	1/4"	8ths, 1/6ths	<b>\$20.40</b>



### Wooden Yardstick

**Acme** Standard yardstick. Fully numerated graduations and flush length design. Lacquer finish, hanging hole. Scaled on both sides. Plain ends.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189280</b>	10420	36"	1-1/8"	5/32"	8ths	<b>\$3.75</b>



### Meter Stick

**Westcott** Millimeters on one side and inches divided into eighths on the other. Made of hardwood with a multiple-coat, clear lacquer finish. Meter stick is scaled in centimeters. Plain ends.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189160</b>	10431	39-1/2"	1"	1/4"	cm	<b>\$4.08</b>



### 3-Ring Binder Ruler

**Alvin** Shatter-resistant ruler. Assorted colors.

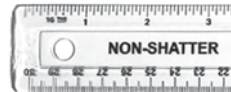
Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>196036</b>	FL01	12"	1-1/8"	3/32"	1/6ths & mm	<b>\$2.22</b>



### Transparent Plastic Ruler

**Alvin** Shatter-resistant ruler. Assorted colors.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>196037</b>	FL02	12"	1-1/2"	3/32"	1/6ths	<b>\$3.18</b>



### Shatter-resistant Plastic Ruler

**Westcott** Shatter-resistant ruler. Clear.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189271</b>	13862	12"	1-1/2"	1/16"	10ths, 1/6ths, mm	<b>\$1.85</b>



### Plastic Ruler

**Westcott** Shatter-resistant ruler. Clear.

Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>189272</b>	45012	12"	1-1/4"	1/8"	1/6ths & mm	<b>\$1.62</b>



### Wave Ruler

**Westcott** Rubber overmold allows ruler to pivot off the page when using heavy markers. Helps prevent smudges. Ring binder holes. Assorted colors.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>189066</b>	14097	12"	1-1/4"	1/6ths & cm	<b>\$3.88</b>



### Superflex Ruler

**Alvin** Super-pliable ruler is virtually indestructible. Can be twisted or bent, yet returns to its original flat position. Has hang hole. Assorted colors.

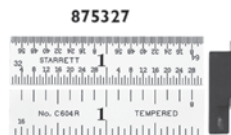
Stk.	Mfr.	Length	Width	Thickness	Graduations	Price
<b>196038</b>	FL14	12"	1-1/2"	3/32"	1/6ths & mm	<b>\$2.91</b>



### Rigid Precision Steel Rule

**General** Stainless steel rigid rule with satin chrome finish and ultra fine black graduations.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>419885</b>	CF1276	12"	1"	8ths, 1/6ths, 32nds, 64ths	<b>\$19.50</b>



### Spring Tempered Steel Rules

**Starrett** Satin chrome finish. Graduations 8ths, 1/6ths & quick-reading 32nds, 64ths.

Stk.	Mfr.	Length	Width	Price
<b>875327</b>	C604R-6	6"	3/4"	<b>\$28.00</b>
<b>875329</b>	C604R-12	1'	1"	<b>\$47.20</b>
<b>875331</b>	C604R-24	2'	1-1/4"	<b>\$119.00</b>

### Rule w/Hook

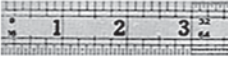
<b>875328</b>	CH604R-6	6"	3/4"	<b>\$36.10</b>
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**English Pattern Steel Rules**

**Starrett** General utility rule has easy-to-read markings that are heavier than conventional machine-divided rules. Graduated on both edges, both sides. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>874630</b>	414-1	1'	1-1/4"	8ths, 16ths	<b>\$45.40</b>
<b>874632</b>	414-2	2'	1-1/4"	8ths, 16ths	<b>\$78.00</b>



**Rounded-End Steel Rule**

**General** Precision-made stainless steel rule with fine, black etched graduations. Flexible rule has rounded end with hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>419881</b>	1201ME	1'	7/8"	8ths, 16ths, 32nds, 64ths, 1.0mm, .5mm	<b>\$9.51</b>



**No. 62 & 60 Steel Rules**

**Lufkin** Marked on both sides. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>308876</b>	6012IN	1'	3/4"	8ths, 16ths	<b>\$33.80</b>
<b>309144</b>	621FT	1'	1-1/4"	8ths, 16ths	<b>\$37.20</b>
<b>309211</b>	622FT	2'	1-1/4"	8ths, 16ths	<b>\$58.30</b>
<b>309278</b>	623FT	3'	1-1/4"	8ths, 16ths	<b>\$89.50</b>



**Flexible Rules**

**Alvin** Stainless steel rule is flexible for measuring curved surfaces. Etched graduations and nonskid backing. Raised edges eliminate smearing.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>196048</b>	R590-12	1'	1-1/4"	16ths, 32nds, mm	<b>\$4.38</b>
<b>196051</b>	R590-18	1-1/2'	1-1/4"	16ths, 32nds, mm	<b>\$6.63</b>
<b>196049</b>	R590-24	2'	1-1/4"	16ths, 32nds, mm	<b>\$8.95</b>



**Ultratest Steel Rule**

**General** Ultra fine black graduations against a hard satin chrome finish for easy reading and long life. Plastic case.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>419893</b>	CF1845	18"	3/4"	32nds, 64ths, 10ths, 100ths	<b>\$29.90</b>



**6" Rigid Steel Rule**

**General** Stainless steel rule etched with fine black graduations.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>419144</b>	676	6"	3/4"	8ths, 16ths, 32nds, 64ths	<b>\$8.21</b>



**Inch/Decimal Steel Rule**

**General** Flexible rule with depth gauge pocket clip.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>418005</b>	300/1	6"	15/32"	32nds, 64ths, decimals	<b>\$3.32</b>



**Stainless Steel Pocket Clip Rule**

**Johnson Level** Stainless steel blade with etched increments. Conversion tables on back of blade. Pocket clip for convenient storage.

Stk.	Mfr.	Length	Graduations	Price
<b>486928</b>	7203	6"	64ths, mm	<b>\$3.59</b>



**Flexible Steel Circumference Rule**

**Lufkin** Liquid or dry measure dimension table on reverse side for layout work. Can also be used as a bench rule.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>309814</b>	953FT	3'	1-1/4"	16ths, circumferences	<b>\$95.70</b>



**Flexible Aluminum Rule**

**Lufkin** Sharply defined, easy-to-read markings with straight parallel edges for greater accuracy. Marked one side only. Lightweight and rustproof w/tamish-free finish. Lies flat, has hang-up hole for storage.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>312050</b>	1260	3'	15/64"	16ths	<b>\$9.18</b>



**Aluminum Rules**

**Johnson Level** Extruded aluminum with clear anodized finish and screened thermal bonded black graduations.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>487015</b>	J112	1'	1-1/8"	8ths & 16ths	<b>\$2.40</b>
<b>487018</b>	J118	1-1/2'	1-1/8"	8ths & 16ths	<b>\$2.60</b>
<b>487016</b>	J124	2'	1-1/8"	8ths & 16ths	<b>\$2.95</b>
<b>487017</b>	J236	3'	1-1/8"	8ths & 16ths	<b>\$3.88</b>



**Straightedge Rules**

**Alvin** Made of hardened aluminum, distinctly calibrated in black. Featherweight, strong, semi-rigid rule for flexible use. Non-rust matte finish. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>196024</b>	AR701-12	12"	7/8"	8ths, 16ths	<b>\$4.70</b>
<b>196025</b>	AR701-18	18"	1-1/4"	8ths, 16ths	<b>\$6.30</b>



**Inch/Metric Meter Stick**

**Lufkin** Aluminum English/metric meter stick. Front side has measurements, other side shows table of equivalents and conversions.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>312051</b>	1261ME	1 Meter (3.3')	1"	16ths, dm, cm, mm	<b>\$23.30</b>



**Aluminum Meter Stick**

**Starrett** Parallel, accurate, flexible rule made of anodized aluminum.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>872985</b>	MS-2	1 Meter (3.3')	1-1/8"	1/8th, mm	<b>\$8.76</b>



**Hi-Viz Orange Power Return Tape**

**Lufkin** Tape offers direct reading of feet and inches. Easy-find orange case comfortably fits hand. Quick-read yellow clad blade with clear coat protection. Slide-button lock. 2 rivet hook end with reinforcing strip. Removable belt clip.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>310990</b>	L625	25'	1"	8ths, 16ths, 32nds.	<b>\$10.90</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



### Professional's Choice Power Tape

**Johnson Level** Fractionally-marked, Speed-Read™ blade with corrosion/abrasion-resistant finish. Blade lock. Durable, triple-rivet blade hook. Impact-resistant ABS case with steel belt clip.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>487640</b>	1803-0016	16'	3/4"	8ths, 16ths	<b>\$6.26</b>
<b>487641</b>	1803-0025	25'	1"	8ths, 16ths	<b>\$8.51</b>



### Quikread Power Return Tapes

**Lufkin** Hi-visibility orange case with a black co-molded rubber grip. Exclusive pivot lock with 9' stand-out allows for easy and efficient measuring. Clear coat, A3 blade, vertical numbering, fractional and decimal equivalent, graduated feet and inch to 1/16th top and bottom.

Stk.	Mfr.	Length	Width	Price
<b>310961</b>	PQR1312	12'	3/4"	<b>\$12.50</b>
<b>310962</b>	PQR1316	16'	3/4"	<b>\$14.20</b>
<b>310963</b>	PQR1425	25'	1"	<b>\$17.60</b>



### ExtraMark™ Power Tape Rules

**Great Neck** Positive lock secures blade. Chrome case with belt clip. Fractional black and red markings.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>281173</b>	C125I	12'	1/2"	8ths, 16ths	<b>\$3.76</b>
<b>281174</b>	C325I	16'	3/4"	8ths, 16ths	<b>\$8.09</b>
<b>281175</b>	C435I	25'	1"	8ths, 16ths	<b>\$8.46</b>



### Tape Rule

#### Stanley

7" blade stand-out and automatic blade lock holds blade securely in position. Write-on label for repeated use w/carpenter pencil. Non-marring frictionless base helps protect work surface. Anti-glare blade with easy-read inside/outside measurements.

Stk.	Mfr.	Length	Width	Price
<b>864540</b>	STHT30825	25'	1"	<b>\$15.60</b>



### PowerLock® Tape Rules

**Stanley** Rule remains rigid up to 7'. Positive slide lock is up front for easier operation. Life-Guard® yellow blade with Mylar low-friction protection. Stud markings every 16th. 3-rivet Tru-Zero hook. Belt clip fastener.

#### ABS Case

Stk.	Mfr.	Length	Width	Graduations	Price
<b>852457</b>	33-116	16'	3/4"	8ths, 16ths	<b>\$20.10</b>

#### ABS Case w/7' Blade Standout

Stk.	Mfr.	Length	Width	Graduations	Price
<b>852792</b>	33-212	12'	1/2"	8ths, 16ths	<b>\$12.10</b>
<b>852926</b>	33-312	12'	3/4"	8ths, 16ths	<b>\$13.80</b>

#### Cast-metal Case

Stk.	Mfr.	Length	Width	Graduations	Price
<b>853025</b>	33-425	25'	1"	8ths, 16ths	<b>\$18.10</b>
<b>853030</b>	33-430	30'	1"	8ths, 16ths	<b>\$21.80</b>



### Hi-Viz® P1000 Tape Rules

**Lufkin** Bright orange, rubber cushioned case. Bright yellow blade with easy-read numerals. Toggle lock, cushioned blade return. Fits most holsters. Removable belt clip.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>311945</b>	PHV1010	10'	1/2"	8ths, 16ths	<b>\$8.76</b>
<b>311946</b>	PHV1012	12'	1/2"	8ths, 16ths	<b>\$10.80</b>
<b>311947</b>	PHV1312	12'	3/4"	8ths, 16ths	<b>\$12.50</b>
<b>311948</b>	PHV1316	16'	3/4"	8ths, 16ths	<b>\$14.20</b>
<b>311949</b>	PHV1425	25'	1"	8ths, 16ths	<b>\$17.60</b>

### Hi-Viz® Blue Power Return Tape

**Lufkin** Tape offers direct reading of feet, inches, fractions and decimals. Bright blue case comfortably fits hand. Quick-read yellow clad blade with clear coat protection. Slide-button lock. Reinforced 2-rivet hook end. Removable belt clip.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>310968</b>	QRL625MP	25'	1"	8ths, 16ths	<b>\$10.90</b>



### FatMax® Tape Rules

**Stanley** Wide blade is stronger and stiffer with easy-read graphics. Mylar® coating extends blade life up to 10x. Dual material case with small comfort grip (smaller than most 25' tapes). Non-slip, impact-resistant cushion grip. Multi-catch hook grabs on top or bottom for

versatility. 3-rivet, corrosion-resistant Tru-zero end hook for accurate measurements. Top-forward blade lock.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>853150</b>	33-716	16'	1-1/4"	8ths, 16ths	<b>\$29.60</b>
<b>853154</b>	33-725	25'	1-1/4"	8ths, 16ths	<b>\$36.00</b>
<b>853158</b>	33-730	30'	1-1/4"	8ths, 16ths	<b>\$41.70</b>



### Tape Measure

#### DEWALT

1-1/8"W blade with 1/8" markings to speed up measuring jobs. 10' of blade stand-out. Durable duo-durometer blade-lock adds comfort. Mylar® coating for long blade life. Hook grabs construction material from top and bottom.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>243400</b>	DWHT33373	25'	1-1/8"	8ths	<b>\$21.90</b>
<b>243401</b>	DWHT33374	30'	1-1/8"	8ths	<b>\$25.90</b>



### Long Tape Rules

**Stanley** Large fold-out knob for smooth rewind. Belt clip for hands free use. Durable, high-impact case. Integrated hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>853050</b>	34-103	50'	3/8"	8ths	<b>\$15.20</b>
<b>853051</b>	34-106	100'	3/8"	8ths	<b>\$19.30</b>



**Steel Long Tape**

**DEWALT** 5:1 gear ratio rewinds blade 5x faster. Blade release button for easy blade pull-out. Rust-resistant coating on blade. Dirt-removal window removes dust particles inside tool. Spring-loaded carabiner.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>243402</b>	DWHT34036	100'	3/8"	8ths, 16ths	<b>\$25.40</b>



**Chrome Clad® Steel Long Tapes**

**Lufkin** Easy-to-read and accurate. Case is covered with black vinyl. Chrome Clad® blade with black markings bonded to the steel and recessed below the hard chrome surface and highly resistant to wear, rust and heat. Large easy-action winding drum and friction washers.

Nylon roller guides the tape smoothly. Folding end hook ring.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>310886</b>	HC253	50'	3/8"	8ths	<b>\$70.60</b>
<b>310953</b>	HC256	100'	3/8"	8ths	<b>\$108.00</b>



**FatMax® Steel Long Tape**

**Stanley** Durable stainless steel blade. Features fast rewind 3-to-1 gear drive, end hook for inside and outside measurements and high-impact ABS case with rubber, non-slip grip. Steel roller cage protects case from being cut by blade during retraction.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>853053</b>	34-130	100'	3/8"	8ths	<b>\$30.70</b>



**Big J™ Geared Nylon Clad Steel Tape**

**Johnson Level** 3:1 gear drive speeds blade rewind. Nylon-clad, high-grade carbon steel blade resists rust. Durable steel end hook with loop. Comfort, non-slip rubberized hand grip. Rugged, high-impact ABS case.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>487650</b>	1811-0200	200'	3/8"	8ths	<b>\$78.00</b>



**Construction Master® Pro Calculator**

**Calculated Industries** Calculator provides powerful, built-in solutions and expanded preference settings. Easy-to-use in the field or shop. Perfect for completing plans, layouts, bids and estimates (*saves time, money & materials*).

- Built-in right-angle stair, roof & rafter solutions
- Calculate area, volume, square-up, perimeter & more
- Work in & convert between building dimensions (*including metric*)
- Stair layouts (*tread, risers, stringer, stairwell, floor thickness*)
- Figures arcs, area, circumference, segments & more
- Solutions for hip/valley, jacks, cutting angles & arched rake-walls
- Measurements for drywall (*siding & panels*), studs (*on-center*) & compound miter cuts
  - 1-yr. mfr.'s limited warranty

LCD segment display (0.625" x 2.5"), 11 digits (7 normal, 4 fractions, full annunciators). 10-digit internal accuracy.

**Includes** 2 long-life 1.5V batteries, English & Spanish CD w/how-to videos, 3 guides (CD user guide, pocket-reference guide & easy-follow English user guide) & hard-slide case.

Stk.	Mfr.	Price
<b>282000</b>	4065	<b>\$70.20</b>



**Trades Math & Conversion Calculator**

**Calculated Industries** Designed for teaching technical trade math. Ideal for those in math-oriented trades needing an easy-to-use handheld calculator with applied math functions.

- Right triangle math, trigonometry, circle/arc, ratios & proportions, hexagon/polygon
- Calculate architectural, proper, mixed & improper fractions
- Solve dimensional math problems & convert between U.S. & metric
- Solve ratios, proportions & work w/exponents
- 1-yr. mfr.'s limited warranty

LCD display (0.73" x 2.56"), 15 digits (8 normal, 7 fractions) w/full annunciators. 12 digit internal accuracy. Overall dimensions 5.7" x 3.0" x 0.65".

**Includes** protective slide cover, reference guides & 3V long-life (CR2016) battery.

Stk.	Mfr.	Price
<b>282010</b>	4400	<b>\$42.70</b>



**Material Estimator Calculator**

**Calculated Industries** Designed to estimate materials and costs for concrete, fences, decks, bricks, tile, flooring, gravel, painting, drywall, paneling and more. Quickly and easily calculate material costs and allowances.

- Works directly in feet, inches, fractions, yards & meters including square & cubic format
- Solar & battery powered
- Calculate studs, board feet & cost per unit
- Linear, area & volume calculations
- Convert between all standard building math dimensions
- Define & store values for grout, tile, custom tiles, fence post spacing, board width, bags of concrete, paint coverage & more
- Time-saving utility functions: +, -, +/-, x, ÷, %, π, 1/x, x2, & √
- Memory & auto shut-off, paperless tape function
- 1-yr. mfr.'s limited warranty

Size 5.7"H x 3"W x .65"T. Weight 4.15 oz.

**Includes** 360° protective hard cover, English/Spanish pocket reference guide & 3V battery.

Stk.	Mfr.	Price
<b>943311</b>	4019	<b>\$42.70</b>



**Project Calculator**

**Calculated Industries** Hand-held calculator helps students work directly in feet, inches, fractions, decimal fractions, yards and meters (*including square & cubic formats*). Converts between all standard math dimensions.

- Works as a standard math calculator
- Dedicated functions help students quickly estimate material amounts & calculate costs for paint, wallpaper, concrete & tile
- Solves reverse calculations (*square feet per gal. of paint. etc.*)

LCD segment display (1" x 2.25"), 11 digits (7 normal, 4 fractions) & annunciator-legends. 12 digit internal accuracy.

**Includes** 2 long-life LR-43 lithium batteries & easy-use manual.

Stk.	Mfr.	Price
<b>942636</b>	8510	<b>\$26.70</b>



### Laser Distance Measurer

**BOSCH** Pocket-size laser range finder offers 7 measuring modes (*length, area volume, min./max., continuous, indirect length, multi-surface area mode*). 4 measurement systems (*inches, feet & inches, decimal feet & metric*).

- Precision laser beam does both pointing & measuring
- 4 measuring reference points (*back, front, swing-out extension pin for measuring from inside corners or channels, or center of optional tripod*)
- Bubble vial provides visual reference for measuring horz. distances
- Continuous length mode automatically adjusts measurement when walking-off distances

Accuracy: +/- 1/16". Range: 2" to 230'. Laser Class: 2.  
Laser Diode: 635 nm, < 1mW. Measuring Time: < 0.5 sec. to 4 sec.  
Power: 4 AAA batteries (*approx. 30,000 measurements*).  
Size 4" x 2-5/16" x 1-1/4". Weight 6.35 oz.

**Includes** belt pouch, hand strap & 4 AAA batteries.

Stk.	Mfr.	Price
<b>258903</b>	GLR225	<b>\$227.00</b>



### IntelliMeasure® Distance Estimator

**Stanley** One-person measuring up to 40' without assistance. Intuitively-designed toggle button offers 3 measuring modes (*length, area & volume*). Automatically calculates area and volume. Manual mode for specialized calculations (*i.e., perimeter*). Large, easy-to-read LCD screen displays last 3 measurements for quick reference. English or metric modes.

Accuracy: ±0.5% @ 100'.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>864482</b>	77-018	<b>\$45.10</b>



### Stud Sensor™ 100

**Stanley** Locate stud edges or live AC wires up to 2" deep through common building materials. Sensor displays red LED's and sounds an audible tone. Indicate stud edges on wall with the marking channel.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>864550</b>	STHT77403	<b>\$17.30</b>



### Stud Finder

**Master Mechanic** Professional stud sensor with 5 LED display lights, ready indicator and sound. Non-magnetic unit is fully automatic. Finds studs, not nails by sensing changes in density.

**Requires 9V battery, sold separately.**

Stk.	Mfr.	Price
<b>943200</b>	MM50500	<b>\$16.50</b>



### Wing Dividers

**CS Osborne** Forged steel, fully-polished tool features steel wing nuts, turned brass washers, hardened points, precision screw threads and carefully tempered springs made for easy adjustment while holding the legs firmly. Made to U.S. Government specifications.

Stk.	Mfr.	Size	Price
<b>614280</b>	106-6	6"	<b>\$66.70</b>
<b>614281</b>	106-8	8"	<b>\$57.30</b>
<b>614282</b>	106-10	10"	<b>\$73.40</b>
<b>614283</b>	106-12	12"	<b>\$73.60</b>



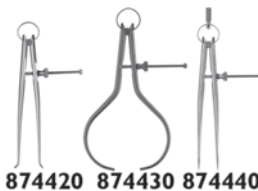
### Yankee Calipers & Dividers

**Starrett** Calipers are made from a high-grade steel and well finished. Legs are made of flat stock and are very durable. Fulcrum stud is hardened and has a smooth bearing surface. Bow spring, although flexible, is exceedingly strong to assure reliability. Solid nut type.

Inside			
Stk.	Mfr.	Size	Price
<b>873735</b>	73A-4	4"	<b>\$56.50</b>
<b>873737</b>	73A-6	6"	<b>\$58.20</b>
<b>873804</b>	73A-8	8"	<b>\$83.80</b>

Outside			
Stk.	Mfr.	Size	Price
<b>873868</b>	79A-4	4"	<b>\$71.00</b>
<b>873871</b>	79A-6	6"	<b>\$69.90</b>
<b>873938</b>	79A-8	8"	<b>\$87.30</b>

Divider			
Stk.	Mfr.	Size	Price
<b>874002</b>	83A-4	4"	<b>\$74.50</b>
<b>874005</b>	83A-6	6"	<b>\$76.90</b>
<b>874072</b>	83A-8	8"	<b>\$99.00</b>



### Toolmaker's Calipers & Dividers

**Starrett** Fine adjustment and better balance provide a more sensitive feel. Legs are made from round stock. Fulcrum stud is hardened. Bearing surfaces of the legs are sufficiently large to prevent any side deflection.

Stk.	Mfr.	Size	Price
<b>874420</b>	274-6	Inside, 6"	<b>\$74.50</b>
<b>874430</b>	275-6	Outside, 6"	<b>\$82.70</b>
<b>874440</b>	277-6	Divider, 6"	<b>\$79.20</b>



### Lock Joint Hermaphrodite Caliper

**Starrett** Features adjustable point, locking joint and close adjustment feature for fine measurements. Once legs are set to an approximate size and joint locked, final adjustment is made by a few turns of knurled adjusting nut. Legs of highgrade steel. Used in layout work for locating and testing centers, laying off distances from an edge, etc.

Stk.	Mfr.	Size	Price
<b>873518</b>	42-6	6"L	<b>\$188.00</b>

## SQUARES



### Steel Rafter/Roofing Square

**Stanley** 1/8" graduations on face and back. 16" x 1-1/2" tongue. Essex board measure and rafter table. Buffed steel finish.

Stk.	Mfr.	Size	Price
<b>854333</b>	45-910	24" x 2"	<b>\$13.80</b>



**Premium Aluminum Rafter Square**

**Stanley** Aluminum with black finish. Deep graduations are filled with yellow paint for ease of readability.

- 16" x 1-1/2" tongue
- 1/16" & 1/8" graduations on face

- 1/10", 1/12" & 1/16" graduations on back
- Rafter tables, brace measure, octagon scale & board measure

Stk.	Mfr.	Size	Price
<b>853995</b>	45-011	24" x 2"	<b>\$27.10</b>



**Steel Rafter Square**

**Johnson Level** 16" x 1-1/2" tongue. Stamped 1/8" graduations include rafter square layout with tables and essex board measure. Rust-proof coating.

Stk.	Mfr.	Size	Price
<b>487010</b>	CS2	24" x 2"	<b>\$11.80</b>



**Aluminum Carpenter's Square**

**Stanley** Aluminum square with embossed graduations, tables and information printed on both sides. Features formula for squaring a foundation, volume and area formulas, lumber scale, wood screw gauge table, metric and decimal conversion tables.

- Depth scale
- 45°, 60° & 30° angle markings
- Tongue 16" x 1-1/2"

Stk.	Mfr.	Size	Price
<b>854145</b>	45-300	24" x 2"	<b>\$13.60</b>



**Steel Carpenter's Square**

**Stanley** 1/16" steel with embossed graduations on face and back. Reverse reading scale allows for efficient measuring. Buffed lacquered finish.

Stk.	Mfr.	Size	Price
<b>854335</b>	45-912	12" x 1-1/2"	<b>\$7.23</b>



**Stair / Square Gauge Sets**

For fast, accurate layout of angles for bevel cuts, stair stringers & roof framing. Clamp onto carpenter's squares to create a pattern for repeat angles.

Stk.	Mfr.	Brand	Qty.	Price
<b>192980</b>	9249	Jorgensen	2	<b>\$6.04</b>
<b>486962</b>	405	Johnson Level	2	<b>\$4.80</b>



**Adjust-A-Square**

**Johnson Level** Adjust to any angle or lock into a true 90° angle. Anodized aluminum with thermal bonded epoxy graduations in 8ths and 16ths. Great for dry-wall, siding and paneling. Closes to parallel position for storage and transporting.

Stk.	Mfr.	Length	Price
<b>487000</b>	ADS48	48"	<b>\$48.10</b>



**Aluminum Drywall T-square**

**Johnson Level** Tempered anodized 1/8" x 2" aluminum blade with thermal bonded epoxy ink graduations screened in 8ths with markings at 16" centers. 22" head is securely fastened with 4 stainless steel drive rivets.

Stk.	Mfr.	Length	Price
<b>942754</b>	JTS48	48"	<b>\$20.70</b>



**Aluminum Rafter Angle Square**

**Craftsman** Cast aluminum with molded graduation marks. Powder coat, matte finish fights corrosion while offering a smooth, easy-clean surface that requires minimal maintenance. Measurements marked standard (SAE).

Stk.	Mfr.	Size	Price
<b>305765</b>	39601	7"	<b>\$12.50</b>



**Quick Square® Pocket Square**

**Stanley** Versatile layout tool works as a rafter square, try square, protractor or power saw guide. Heavy-duty ABS plastic body.

**Includes** detailed instruction book.

Stk.	Mfr.	Size	Price
<b>854490</b>	46-060	6-7/8"	<b>\$4.90</b>

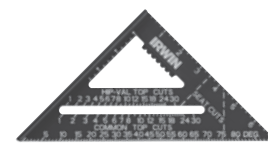


**Structo-Cast Rafter Angle Squares**

**Johnson Level** Aluminum alloy die-cast square with permanent molded graduations. Face is polished and all edges are computer machined. Use for rafters, roof, stair layouts and more.

**Includes** manual.

Stk.	Mfr.	Size	Price
<b>487030</b>	RAS-1	7"	<b>\$10.90</b>
<b>487031</b>	RAS-120	12"	<b>\$22.00</b>



**Hi-Contrast Aluminum Rafter Square**

**Irwin** Durable rust-proof aluminum body. Permanent deep markings. Can be used as a protractor, saw guide and tri/miter square.

Stk.	Mfr.	Size	Price
<b>619304</b>	1794463	7"	<b>\$16.30</b>



**Hardwood Try Square**

**Master Mechanic** Precision etched stainless steel blade and brass bound hardwood handle for long life in the shop or on the job.

Stk.	Mfr.	Blade	Graduations	Price
<b>943306</b>	162990	8"	8ths & 16ths	<b>\$12.00</b>



**Professional Bamboo Try Square**

**Johnson Level** Bamboo handle with stainless gauging edges, etched graduations and routed hand grip. Heavy duty stainless steel blade will not rust or corrode.

Stk.	Mfr.	Blade	Graduations	Price
<b>487655</b>	1909-0800	8"	8ths, 16ths	<b>\$13.00</b>



### Tri Square

**Irwin** Stainless steel blade, black precision etched scales, high impact ABS handle.

Stk.	Mfr.	Blade	Graduations	Price
<b>619306</b>	1794473	8"	8ths & 16ths	<b>\$9.60</b>



### Plastic Handle Try / Miter Square

**Stanley** Aluminum blade with lightweight plastic handle. Measures 45° and 90° angles.

Stk.	Mfr.	Blade	Graduations	Price
<b>854730</b>	46-502	8"	8ths	<b>\$6.65</b>



### Structo-Cast Try / Miter Square

**Johnson Level** Stainless steel blade with permanent stamped graduations. High impact plastic handle with hand grip and insert-molded blade. Measures 45° and 90° angles.

Stk.	Mfr.	Blade	Graduations	Price
<b>486970</b>	450	8"	8ths	<b>\$6.36</b>



### Multi-Angle™ Adjustable Square

**Bora** Precise, pre-set locking positions allow consistent angle measurements from project to project. Composite poly base and etched stainless steel ruler folding square has 4 locking positions. Easy open and close. Fits carpenter's belt or pocket. Accuracy +/- .05°. Lifetime mfr.'s warranty.

Pre-set angles 0°, 45°, 90°, 135°.

Stk.	Mfr.	Blade	Graduations	Price
<b>193606</b>	408	8"	8ths, 16ths	<b>\$17.00</b>



### Carpenter's Combination Square

**General** Enameled cast iron head with precision level and scriber for 90° and 45° angles. 12" x 1" steel blade is graduated on both sides.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>419467</b>	812	12"	4-1/2"	8ths, 16ths, 32nds	<b>\$46.50</b>



### Yellow Combination Square

**Stanley** Grooved 12" removable blade. Spring wire and clamping lug in handle keeps blade in place. Cast iron handle has level glass and scratch awl.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>854601</b>	46-123	12"	4-1/4"	8ths, 16ths, 32nds	<b>\$17.70</b>



### Combination Squares

**Stanley** Blade is coated to resist rust. Measure, square and level with this square complete with grooved blade, scratch awl and hand-regulated level vial.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>854668</b>	46-222	12"	4-1/8"	8ths, 16ths, 32nds	<b>\$11.80</b>
<b>854471</b>	46-028	12"	4-1/8"	8ths, 16ths, 32nds, metric	<b>\$13.90</b>



### Contractor Metal Combination Square

**Johnson Level** Cast zinc head has computer machined gauging edges for greater accuracy.

Square also features an acrylic yellow barrel vial and a hardened removable scriber. Steel blade has permanently stamped graduations with rust protective coating.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>486960</b>	400	12"	4-1/8"	8ths, 16ths, 32nds	<b>\$12.00</b>



### ABS Handle Combination Square

**Irwin** Black, etched scales with stainless steel blade. Provides accurate 90°/45° readings. Use as depth gauge and for transferring angles.

Stk.	Mfr.	Blade	Graduations	Price
<b>619305</b>	1794470	12"	8ths	<b>\$12.20</b>



### Sliding T-Bevel

**Stanley** Durable stainless steel blade. Built-in blade lock in sturdy plastic handle.

Stk.	Mfr.	Blade	Handle	Price
<b>855082</b>	46-825	8"	5-1/2"	<b>\$6.15</b>



### Professional Bamboo T-Bevel

**Johnson Level** Heavy-duty adjustable stainless steel blade will not rust or corrode. Bamboo handle with routed hand grip. Stainless steel edging on handle. Locking nut holds blade in place.

Stk.	Mfr.	Blade	Price
<b>487660</b>	1915-0800	8"	<b>\$13.00</b>



### Hardwood Sliding T-Bevel

**Irwin** Used as a depth gauge and for transferring angles.

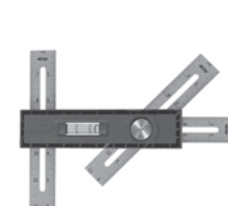
Stk.	Mfr.	Blade	Price
<b>619302</b>	1794474	10"	<b>\$19.40</b>



### T-Bevel w/Vial

**Bora** Built-in step guide for setting 3/16" trim reveals. Permanently etched 7" stainless steel ruler. Quick lock & unlock with thumb knob. Easy-to-read vial for level/plumb determination. Mfr.'s lifetime warranty.

Stk.	Mfr.	Blade	Price
<b>193614</b>	531301	7"	<b>\$10.70</b>



### Multi-Mark™ Marking & Measuring Tool

**Kreg** Multi-purpose marking and measuring tool for a variety of job site applications. Layout wall studs, mitered corners and transfer measurements. Align, square, level and measure work projects, set blade heights and more. Built-in 3/16" reveal gauge and torpedo level. Inch and metric scale.

Stk.	Mfr.	Length	Price
<b>793901</b>	KMA2900	6 - 8-1/2"	<b>\$14.90</b>



**Angle Master™ Miter Duplicator**

**Bora** Highly-flexible tool allows easy transfer of angles to saws. Duplicate any angle to make perfect mitered cuts every time. Graduated scale for corner and miter angles. Lifetime mfr.'s warranty.

Graduations: internal / external angles 70° to 180° (miter angles 35° to 90°).

Stk.	Mfr.	Length	Price
<b>193609</b>	530301	13" (folded)	<b>\$72.00</b>

**Digital Angle Finders**

**General** Digital stainless steel rule calculates inside and outside angles in seconds.

- Lock & reverse angle features
- Large, easy-to-read LCD display
- Can be zeroed at any point in the swing
- Hinge rotates 360°



Graduations: 1/6ths & mm.

**Includes** 3V battery.

Stk.	Mfr.	Length	Price
<b>419537</b>	822	5"	<b>\$30.00</b>
<b>419538</b>	823	10"	<b>\$40.00</b>

**LEVELS**



**Bull's-Eye Circular Level**

**Johnson Level** Surface level with all-purpose, 360° vial reads in all directions. Sturdy plastic construction, large sight for ease of reading.

Stk.	Mfr.	Dia.	Price
<b>486890</b>	100	1-3/4"	<b>\$2.78</b>



**Magnetic Aluminum Torpedo Level**

**Stanley** Magnetic base, 3 vials (plumb, level and 45° miter), top reading, bottom grooved for use on round stock or pipe.

Stk.	Mfr.	Length	Price
<b>853890</b>	42-465	9"	<b>\$11.80</b>



**Heavy-duty Magnetic Aluminum Torpedo Level**

**Johnson Level** Magnetic base, 1-piece, full length cast aluminum frame with CNC machined edges. 360° reading acrylic yellow barrel vials (plumb, level & 45°). Level vial is top reading. SurroundView® polymer frames the vials for easy viewing. High-impact plastic covers. Large V-grooved edge for pipe and conduit work. Use for plumbing, electrical, HVAC and small leveling jobs.

Stk.	Mfr.	Length	Price
<b>486924</b>	4500M	9"	<b>\$15.10</b>



**Structo-Cast® Magnetic Torpedo Level**

**Johnson Level** Durable high-impact plastic molded frame and covers. 360° reading acrylic yellow barrel vials (plumb, level & 45°). V-grooved top for pipe and conduit work. Full-length magnetic edge.

Stk.	Mfr.	Length	Price
<b>486930</b>	7500M	9"	<b>\$6.36</b>



**Magnetic Torpedo Level**

**Stanley** Durable, shock-resistant ABS plastic won't mar surfaces. 3 vials (plumb, level & 45°). Large top-read window. Grooved top surface for pipe and conduit work. Magnetic base allows hands-free operation.

Stk.	Mfr.	Length	Price
<b>853610</b>	42-264	9"	<b>\$8.61</b>



**Heavy-duty Aluminum Line Level**

**Johnson Level** Hexagonal aluminum extruded body. Durable high-impact plastic reversed line hooks. Acrylic yellow barrel vial.

Stk.	Mfr.	Length	Price
<b>486985</b>	555	3"	<b>\$3.30</b>



**Aluminum Line Level**

**Stanley** Aluminum line level has special hooks which hold onto the line which allows level to slide freely for easy positioning. Bottom is flat for surface leveling. Yellow vial, solid set. Hexagonal case.

Stk.	Mfr.	Length	Price
<b>853670</b>	42-287	3-3/32"	<b>\$2.55</b>



**High Impact ABS Plastic Levels**

**Stanley** High-impact, durable, shock-resistant construction maintains the accuracy of these levels. Includes top-read center vials, measuring scale for multi tasks, non-marring for use on finished surfaces. (2 plumb & 1 level vials).

Stk.	Mfr.	Length	Price
<b>853891</b>	42-466	12"	<b>\$5.16</b>
<b>853892</b>	42-468	24"	<b>\$8.15</b>



**Structo-Cast® Levels**

**Johnson Level** Tough, non-conductive molded resin frame. 3 impact-resistant acrylic vials (plumb, level & diagonal) with Quik-Change® vial covers.

Stk.	Mfr.	Length	Price
<b>486933</b>	7724-O	24"	<b>\$10.30</b>
<b>486934</b>	7748-O	48"	<b>\$17.10</b>



**Machined Top Read Aluminum Levels**

**Johnson Level** Highly accurate, extruded aluminum I-beam frame with black anodized finish and computer-machined edges. Shock-protecting end caps. 360° acrylic yellow barrel vials (2 plumb & 1 level) with screw-on high-impact plastic covers and protective lenses. Large magnified top-read window. Strong, full-length magnetic strip.

Stk.	Mfr.	Length	Price
<b>486910</b>	3724	24"	<b>\$22.90</b>
<b>486912</b>	3748	48"	<b>\$36.30</b>
<b>486914</b>	3772	72"	<b>\$72.80</b>

**Magnetic Base**

Stk.	Mfr.	Length	Price
<b>486920</b>	3824	24"	<b>\$28.10</b>
<b>486922</b>	3848	48"	<b>\$46.10</b>
<b>486923</b>	3872	72"	<b>\$86.70</b>



**I-Beam Aluminum Level**

**Stanley** Aluminum level with 3 vials, solid set, protected with dustproof covers.

Stk.	Mfr.	Length	Price
<b>853596</b>	42-240	24"	<b>\$14.20</b>



**1000 Series I-Beam Levels**



**Irwin** Rigid aluminum I-Beam construction. Rotating angle vial. Full length V-grooved strip magnet.

Stk.	Mfr.	Length	Price
<b>619300</b>	1800990	24"	<b>\$22.30</b>
<b>619301</b>	1801094	48"	<b>\$33.80</b>

**Aluminum Box Beam Level**



**Stanley** Center block vial for durability and accuracy of 0.0005". Large 12mm tubular plumb vials for accuracy of 0.001". Enlarged vial housing for brightly lit vials. Shock-absorbing end caps, MaxEdge™ bridged center vial for continuous marking surface and durability.

Stk.	Mfr.	Length	Price
<b>864845</b>	STHT42496	24"	<b>\$30.30</b>
<b>864847</b>	STHT42504	48"	<b>\$41.70</b>

**Magnetic Base**

Stk.	Mfr.	Length	Price
<b>864846</b>	STHT42497	24"	<b>\$33.60</b>
<b>864848</b>	STHT42505	48"	<b>\$45.80</b>

**FatMax® Xtreme™ Level**



**Stanley** Box-beam constructed aluminum level provides extra durability with hard use.

Features 2x stronger, rare earth magnets built-in for stability, 2 handholds, 3 vials (*magnified center vial*) and machined leveling surfaces for improved accuracy (+/- 0.0005").

Stk.	Mfr.	Length	Price
<b>853920</b>	43-648	48"	<b>\$60.20</b>

**Eco-Tech Bamboo Level**



**Johnson Level** Strong, durable, tough laminated bamboo frame. Hand set durable impact resistant acrylic vials assure maximum accuracy. Flush mounted protective metal bindings with shock absorbing rubber end caps protect frame. Mfr.'s lifetime accuracy warranty.

Stk.	Mfr.	Length	Price
<b>487620</b>	1600-2400	24"	<b>\$57.70</b>
<b>487621</b>	1600-4800	48"	<b>\$71.20</b>

**Hot Shot® Magnetic Torpedo Laser Level**



**Johnson Level** Durable, 7" molded plastic housing is impact resistant and lightweight (5 oz.). Fits where standard-size levels won't. 3 manual vials (*plumb, level & accuracy cross-check*). Built-in, rotating head swivels between dot, horizontal and vertical lines.

- Interior range up to 100' (*depending on light*)
- Accuracy ±3/8"/50'
- Battery life ±70 hr. (*continuous use*)
- Working temp 14°F to 113°F

**Includes** 2 AAA batteries & manual.

Stk.	Mfr.	Price
<b>486926</b>	40-0915	<b>\$27.90</b>

**Strait-Line Laser Level 30**



**Irwin** Creates a highly visible 30' laser line with 360° rotation and pivot. Dual bubble vials provide accurate horizontal and vertical layouts. Work hands free, quick mounting and easy removal with 3M® Command Strips®.

**Requires 2 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>456391</b>	6041100CD	<b>\$30.50</b>



**Hot Shot® LaserMouse™ Handheld Laser Level**

**Johnson Level** Class II laser projects laser line up to 30'. Reusable SuperStik adhesion system adheres to any surface without leaving marks or holes. Integrated horizontal and vertical vials. Ideal for laying tile and flooring, installing cabinets and shelves and more.

**Includes** adhesive strip, 2 AA batteries, instructions & carrying pouch.

Stk.	Mfr.	Price
<b>486940</b>	9250	<b>\$28.50</b>



**20x Speed Line & Transit Levels**

**CST/berger** Works in areas that require rough angle turning and fine tuning adjustments. Clamps and tangents bring the instrument

quickly on target. Use for determining grades and elevations, rough angle turning, laying out and leveling foundations, setting forms, leveling walls, setting lines, plus setting offset stakes.

- Non-strip focus knob prevents breakage & lens damage
- Large achromatic-coated objective lens for a sharp image
- Rubber eyepiece cap protects eyeglasses
- Dust-protected eyepiece w/fixed cross hairs for accuracy
- 4'6" short focus for maximum usable range
- 1-piece aircraft aluminum telescope
- Electrostatic, powder-coated safety yellow paint
- Built-in sunshade reduces glare
- Durable brass leveling screws
- High precision glass level vials
- 1-yr. mfr.'s warranty

Telescope: power 20x, min. focus 4-1/2'. Accuracy 1/4" at 100'. Working range 200'. Leveling head screws 3. Weight 3 lbs.

**Includes** case, Allen wrench, plumb bob w/string & manual.

**Speed Line Level**

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306050</b>	54-190B	5/8" x 11"	Flat	<b>\$300.00</b>
<b>306051</b>	54-190K	5/8" x 11"	Flat	<b>\$374.00</b>

**Transit Level**

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306060</b>	54-200B	5/8" x 11"	Flat	<b>\$422.00</b>
<b>306061</b>	54-200K	5/8" x 11"	Flat	<b>\$490.00</b>

306051 & 306061 | **Includes same as above, plus aluminum tripod & aluminum rod.**

**Automatic Optical Level**



**BOSCH** Large aperture 32x-power lens allows more light for a sharper image and excellent magnification. Self-leveling compensator with transport lock protects pendulum against damage and loss of calibration. Both horizontal/vertical Crosshairs and Stadia lines measures level, alignment and estimates distance. Screws provides stability in all weather for precision leveling. Top mount quick sight for quick sighting of leveling rod. Circular bubble vial with 90° prism for easy, fast set-up.

Magnification 35x. Accuracy up to ±1/16" @ 100'. Range up to 330'.

**Includes** automatic optical level, plumb bob, carrying case, tool kit, construction tripod & 8' leveling rod.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>258902</b>	GOL26CK	5/8" x 11"	Flat	<b>\$383.00</b>



**Automatic Levels**

**CST/berger** AL Series automatic levels with 20x magnification. Designed for accurate leveling every time, SAL automatic levels set up fast and are easy to use.

- Fine motion knobs on both sides w/friction-baked rotation, endless horizontal drive

- Large effective aperture & minimum focus of 1'
- Top-mounted optical peep-sight for quick reference
- Large, easy-to-use precise focusing knob
- Easy-to-read horizontal circle
- Circular vial w/penta prisma
- Target collimator
- Graduated circle w/either 360° or 400 gons

Magnification 20x, min. focus 1. Accuracy: Leveling 1/8" at 100', Angular 1°. Working range up to 200'.

**Includes** lens cover, plumb bob, adjustment tools & case.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306068</b>	55-SAL20ND	5/8" x 11"	Flat or Dome	<b>\$287.00</b>

**Includes** lens cover, plumb bob, adjustment tools, tripod, 8' rod & case.

<b>306067</b>	55-SLVP20ND	5/8" x 11"	Flat or Dome	<b>\$355.00</b>
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**Lasermark® Wizard Rotation Laser**

**CST/berger** Features 1-button leveling, plumbing and alignment, indoor/outdoor suitability, variable speed rotation, plus spot mode and 1-person operation. Dual beams are standard, as well as short and long chalk line point-and-shoot sweep modes and LED mode indicator. Protected level vials prevent damage

and shield vials from the sun to prevent misreads.

- Built-in trivet for vertical alignment projects
- 2-screw manual leveling
- 1-yr. mfr.'s warranty

Range 800' dia. w/detector (exterior), 200' dia. w/target (interior).

Accuracy 1/4" dia. at 100'. Beam type visible red laser.

Powered by 4 C alkaline batteries. Weight 3.6 lbs.

**Includes** ceiling mount, target, aluminum tripod, aluminum rod, molded case, batteries & manual.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306101</b>	57-LM30PKG	5/8" x 11"	Flat	<b>\$464.00</b>



**Electronic Self-leveling Rotation Laser**

**CST/berger** Manual single-slope capable laser with electronic cross-axis leveling allows grade matching for basic slope work while maintaining accuracy in the cross-slope. Ideal for exterior work such as grading and excavating, concrete forms, machine control, site prep, marking elevation, landscaping and driveway paving.

- Vertical self-leveling w/laydown
- 3-yr. mfr.'s warranty

Range 2,800" dia. w/detector. Accuracy 1/16" dia. at 100".

Beam type visible red laser. Self-leveling range ±5°. Weight 13.6 lbs.

**Includes** laser detector, 4 D alkaline batteries & molded case.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306122</b>	57-ALH	5/8" x 11"	Flat or Dome	<b>\$1,027.00</b>
<b>306123</b>	57-ALHPKG	5/8" x 11"	Flat or Dome	<b>\$1,029.00</b>

306123|Includes same as above, plus aluminum tripod & aluminum rod.

Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904



**Universal Laser Detector**

**CST/berger** Locate your laser beam in bright light or over long distances. Detector can be used with any rotating visible or invisible laser on the market. Features front and back LCD displays, 3 levels of beam resolution and 4 levels of speaker volume. Improved heavy-duty

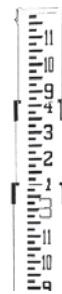
rod clamp now includes an "E" ring on clamping screw for less wear and longer term durability. Yellow color.

- Rugged, gasket-sealed case for waterproof protection
- Built-in filtering for bright sunlight & electromagnetic interference
- Auto shut-off after 6 min. of inactivity to save batteries
- Memory feature preserves last position of beam if the unit is moved out of the plane of light
- 1-yr. mfr.'s warranty

Powered by 9V alkaline battery.

**Includes** battery & rod w/bag.

Stk.	Mfr.	Price
<b>306085</b>	57-LD400YEL	<b>\$253.00</b>



**Aluminum Leveling Rods**

**CST/berger** Telescoping rods made of light, durable aluminum alloy. Anodized sections are imprinted w/special weather- & corrosion-resistant inks. Tight tolerances on extruded aluminum sections allow for smooth extension and prevent any unnecessary clattering & sloppiness.

- Injection molded joints of lightweight, impact-resistant plastic
- Wear-resistant polycarbonate locking buttons on each section
- Easy-to-read graduations & special measuring scale on backside

Stk.	Mfr.	Length	Sections	Graduations	Price
<b>306000</b>	06-808A	8'	3	ft., 10ths, 100ths	<b>\$52.00</b>
<b>306001</b>	06-808C	8'	3	ft., in., 8ths	<b>\$52.00</b>
<b>306002</b>	06-816	16'	5	ft., 10ths, 100ths	<b>\$80.50</b>
<b>306003</b>	06-816C	16'	5	ft., in., 8ths	<b>\$80.50</b>



**Heavy-duty Aluminum Tripod**

**CST/berger** Lightweight, heavy-gauge aluminum w/ double banded legs.

- Positive locking clamps
- Shoulder strap
- Powder-painted, wear-resistant parts

Length: 42" closed, 65" open. Weight 12 lbs.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306212</b>	60-ALQRI20-O	5/8" x 11"	Flat	<b>\$95.40</b>



**Aluminum Tripod**

**CST/berger** Lightweight & durable aluminum hinge, clamp & shoe castings.

- Hinges are attached w/screws, not rivets
- Heavy-duty poly-webbing shoulder strap
- Powder coated castings for durable & long lasting finish

- Replaceable shoe points
  - Individually tightened hinge screws
  - Hinge stops prevent legs from slipping out
- Length 38" closed, 63" open. Weight 12 lbs.

Stk.	Mfr.	Tripod Thread	Head	Price
<b>306207</b>	60-ALQCI20-O	5/8" x 11"	Flat	<b>\$71.80</b>

## SCRATCH AWLS

### 6-1/16" Scratch Awl



**Stanley** Hardwood handle. Heat-treated alloy steel blade is plated for corrosion resistance. Chrome-plated steel ferrule for strength.

Stk.	Mfr.	Bar Length	Bar Diameter	Price
<b>864455</b>	69-122	3-3/8"	3/16"	<b>\$6.88</b>

### Hardwood Handle Scratch Awl



**General** Alloy steel blade runs through the fluted hardwood handle, and is attached to plated steel ferrule.

Stk.	Mfr.	Bar Length	Bar Diameter	Price
<b>419475</b>	818	3-3/4"	3/16"	<b>\$7.66</b>

### 4" Scratch Awl



**Stanley** Blade, shank and bolster forged from 1 piece of steel anchored in plastic handle.

Stk.	Mfr.	Bar Length	Bar Diameter	Price
<b>864316</b>	69-006	3-1/2"	1/4"	<b>\$8.33</b>

### Plastic Handle Scratch Awl



**Great Neck** Drop-forged steel blade goes through the shock-resistant plastic handle.

Stk.	Mfr.	Bar Length	Price
<b>281182</b>	SC3C	3"	<b>\$4.03</b>

## MARKING & LAYOUT

### Blue Lumber Crayons



**Johnson Level** Lead-free, nontoxic, weather and fade-resistant crayons.

Stk.	Mfr.	Qty.	Price
<b>486907</b>	3502-B	2	<b>\$1.96</b>

### Carpenter Pencils

**Johnson Level** American wood from renewable forests with medium graphite lead. Flat design will not roll.

Stk.	Mfr.	Qty.	Price
<b>487007</b>	CPB-12	12	<b>\$9.27</b>

### Metal Case Chalk Reel



**Strait-Line** Durable aluminum alloy case doubles as plumb line and bob. Metal self-locking handle locks on all reels. Leak-proof slide fill opening. Large-grip anchor ring.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>456397</b>	64110	100'	<b>\$8.34</b>

### Mach6 Chalk Reel



**Strait-Line** Operates 6x faster than traditional chalk reels (6:1 gear ratio). Aluminum alloy case. Metal handle and drive gear. Wide-pronged hook. Nylon/polyester braided line.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>619534</b>	2031314DS	100'	<b>\$18.10</b>



### Speed-Line® Fast Retrieve Chalk Reel

**Strait-Line** Tough, lightweight ABS casing is smaller for easier handling. Self-chalking, high-tensile strength cord. Retractable crank handle with clutch release allows line release without spinning handle. Hook storage/door on fill opening with locking mechanism to eliminate spills and line tangles. Stable steel-plated hook.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>962359</b>	64310	100'	<b>\$12.30</b>



### Soft-grip Chalk Reel

**DEWALT** Open-access door allows quick refills and access to internal components. Heavy-duty line resists abrasion and breakage. Stainless hook and crank withstands rough use and corrosion. Durable, high-impact ABS housing. Over-molded soft grip.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>243403</b>	DWHT47142	100'	<b>\$10.50</b>



### Chalk Reel w/Yellow Case

**Stanley** Felt gasket hugs line, distributes uniform chalk coating. Universal hook attaches to any projection or slot. Die-cast aluminum safety yellow case. Can be used as plumb bob. Foldable handle.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>855472</b>	47-099	100'	<b>\$11.80</b>



### FatMax® Chalk Reel

**Stanley** Strong polymer braided line provides 2x the line strength than traditional chalk line reels. Water resistant case features a non-slip rubber grip and a push button for string locking mechanism. Spare hook included. Holds up to a full 4 oz. bottle of chalk.

**Chalk sold separately.**

Stk.	Mfr.	Length	Price
<b>855480</b>	47-140L	100'	<b>\$13.00</b>

### Chalk Refill



**Stanley** High-grade chalk packed in easy-pour canister.

Stk.	Mfr.	Color	Size	Price
<b>855575</b>	47-803	Blue	8 oz.	<b>\$1.73</b>
<b>855577</b>	47-804	Red	8 oz.	<b>\$1.73</b>

### Brass Plumb Bobs



**Johnson Level** Machined brass with lacquer finish and replaceable hardened steel tip. Removable cap for easy, centered string installation.

Stk.	Mfr.	Size	Price
<b>486900</b>	108	8 oz.	<b>\$15.10</b>
<b>486901</b>	112	12 oz.	<b>\$20.20</b>
<b>486903</b>	116	16 oz.	<b>\$24.50</b>



**8" Pencil Compass**

**General** Precision, carpentry compass, made of die-cast, rust-resistant metal. Spring tension adjustment for marking up to 8" dia. and has a scribe guide for edge marking. Use with pencil or slim ballpoint pen.

**Includes** pencil.

Stk.	Mfr.	Dia.	Price
<b>419630</b>	842	8"	<b>\$7.75</b>



**8" Pencil Compass & Scriber**

**General** Brass-plated steel with a full-length hardened steel pin in a metal frame. Positive wing nut adjustment.

Stk.	Mfr.	Dia.	Price
<b>419631</b>	843/1	8"	<b>\$3.64</b>



**13" Pencil Compass**

**Westcott** Ball bearing, all-metal nickel-plated compass. Easy grip top for firm control. Scaled in inches and metric on arm. Easily adjusts.

**Includes** pencil.

Stk.	Mfr.	Dia.	Price
<b>189155</b>	12201	13"	<b>\$2.28</b>



**20" Pencil Compass**

**Bostitch** Secure pivot scribe and circle with pencil to create perfect circles. 16" solid fiber-glass rod.

Stk.	Mfr.	Dia.	Price
<b>847820</b>	16-059	20"	<b>\$8.17</b>



**Digital Precision Protractor**

**General** Takes guesswork out of measuring, marking, reading and transferring angles. Easy-read display may be inverted.

- Accuracy: 0.1°
- Resolution: 0.05°
- Range: 0° to 180°
- Hold function

**Includes** 3V battery.

Stk.	Mfr.	Length	Price
<b>419891</b>	1702	6"	<b>\$30.00</b>



**ProSite® Steel Protractor**

**Starrett** Replaces the error prone calculation process for perfect miter cuts. The easy-to-use tool has 2 scales. 1 shows the miter joint angle, the second provides the angle to fit a single workpiece to an angle. To use, measure the angle, set the saw to the angle that the arrow points to on the scale, then cut the pieces.

Stk.	Mfr.	Length	Price
<b>875300</b>	505A-12	12"	<b>\$99.00</b>

**Tungsten Carbide Point Scribers**



**General** Tungsten carbide tip marks stainless steel, copper, ceramics, glass. Screw chuck for reversing tip when not in use.

Stk.	Mfr.	Length	Price
<b>417660</b>	88	6"	<b>\$7.07</b>
<b>417662</b>	88CM	6" w/Magnet	<b>\$8.63</b>



**Pocket Scribers**

**Starrett** Steel tubing handle, knurled and nickel-plated. The scriber point is held firmly on the handle by a knurled chuck and locked inside handle when not in use.

**Steel**

Stk.	Mfr.	Point	Stock	Price
<b>873670</b>	70A	2-3/8"L	1/4" dia.	<b>\$16.00</b>
<b>873680</b>	70B	2-7/8"L	3/8" dia.	<b>\$19.30</b>

**Carbide**

Stk.	Mfr.	Point	Stock	Price
<b>873676</b>	70AX	2-3/8"L	1/4" dia.	<b>\$36.70</b>
<b>873688</b>	70BX	2-7/8"L	3/8" dia.	<b>\$39.60</b>

**3-Piece Scriber Set**



**Starrett** Scriber points screw into the nickel-plated knurled handle and fit either end.

**Includes** 3 points: straight, short bent (9"L) & long bent (12"L).

Stk.	Mfr.	Price
<b>873603</b>	67A	<b>\$41.90</b>

**Tungsten Carbide Point Scribers**



**General** Tungsten carbide tip marks stainless steel, copper, ceramics, glass. Screw chuck for reversing tip when not in use.

Stk.	Mfr.	Length	Price
<b>417660</b>	88	6"	<b>\$7.07</b>
<b>417662</b>	88CM	6" w/Magnet	<b>\$8.63</b>

**Pin Vise**



**General** Nickel-plated swivel head pin vise for holding drills, taps, wire. 0-1/8" capacity.

**Includes** 2 double end collets.

Stk.	Mfr.	Dia.	Length	Price
<b>417670</b>	92	5/16"	3-11/16"	<b>\$12.60</b>

**Marking Gauge**



**Bora** For marking wood prior to sawing, chiseling or cutting. Beechwood gauge with radius bottom edge slides easily on the wood being marked. Thumbscrew adjusts the stem which is marked. Single pin.

Graduations 16ths (1" - 6") & 1mm (0 - 150mm).

Stk.	Mfr.	Length	Price
<b>193605</b>	560019	6"	<b>\$19.90</b>

**Single Bar Marking Gauge**



**General** Easily traces the edge of a flat surface for ripping and cutting. The steel bar features an engraved, graduated ruler for making accurate measurements. The needle point scriber easily marks wood, plastic, hardboard and other materials.

Graduations: 16ths.

Stk.	Mfr.	Length	Price
<b>419535</b>	820	6"	<b>\$18.00</b>

**CAN'T FIND IT?**

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### Contour Gauge

**General** Ideal for any job or hobby where contour duplication is essential.

- Inch graduations
- Stainless steel pins
- Body is painted enamel & brass-plated

• Size: 6" x 3-1/2" (overall travel 5-1/4")

Stk.	Mfr.	Length	Price
<b>419615</b>	837	6"	<b>\$11.20</b>



### Center Finder

**Robert Larson** Locates the exact center in a piece of wood in seconds without calculations. 8" max. for circle, octagon, square and 5-3/4" max. for hexagon.

Stk.	Mfr.	Size	Price
<b>768875</b>	800-2875	9"L x 6"W x 1/2"H	<b>\$4.92</b>

## PUNCHES & CHISELS



### Automatic Center Punches

**Starrett** Lightweight aluminum handle, plus 3 diamond knurled bands. No hammer required.

Force of blow is regulated by turning knurled cap. All working parts are tool steel, properly hardened. Steel point may be removed for sharpening. Exclusive self-centering sleeve automatically centers holes for screws through butt hinges and other types of hardware items.

Stk.	Mfr.	Item	Price
<b>875365</b>	818		<b>\$42.50</b>
<b>875368</b>	819	With precision-beveled locating sleeve	<b>\$45.40</b>



### Ball Bearing Automatic Center Punch

**General** Ball-bearing automatic center punch with replaceable solid steel point. I-hand,

spring-impact operation needs no hammer. Lightweight aluminum-plated body with long wearing alloy steel parts and knurled grip.

Stk.	Mfr.	Dia.	Length	Price
<b>417510</b>	77	5/8"	5"	<b>\$20.40</b>



### Jiffy Centering Punch

**General** For starting screw holes when attaching hinges, hasps and other countersink items.

Nickel-plated steel, knurled body. Bevel tip.

Stk.	Mfr.	Dia.	Length	Price
<b>419412</b>	806	3/8"	2-1/2"	<b>\$4.62</b>



### Round Shank Center Punches

**Starrett** Round shank, fine tool steel, hardened on both ends. Tempered and proportioned with knurled finger grip. Tips accurately centered and ground at proper angle.

### Punches

Stk.	Mfr.	Point	Stock	Length	Price
<b>874156</b>	117AA	1/16"	3/16"	3"	<b>\$10.20</b>
<b>874155</b>	117A	5/64"	9/32"	4"	<b>\$10.20</b>
<b>874159</b>	117B	3/32"	19/64"	4"	<b>\$10.20</b>
<b>874164</b>	117C	9/64"	5/16"	4"	<b>\$10.20</b>
<b>874168</b>	117D	5/32"	3/8"	4"	<b>\$10.20</b>

**5-Piece Set Includes** points of 1/16", 5/64", 3/32", 9/64" & 5/32", plus plastic pouch.

Stk.	Mfr.	Price
<b>874175</b>	S117PC	<b>\$45.40</b>



### Economy Finish Center Punches

**Mayhew** For piercing or marking and starting drills in metal or other materials. Designed for use on metals softer than the cutting edge itself. Forged by hand from the highest quality alloy steels. USA made.

Stk.	Mfr.	Point	Stock	Length	Price
<b>961675</b>	74000	3/32"	1/4"	4"	<b>\$4.51</b>
<b>961676</b>	74001	5/32"	5/16"	4-1/2"	<b>\$4.72</b>
<b>960885</b>	74002	3/16"	3/8"	5"	<b>\$4.95</b>
<b>960887</b>	74003	5/16"	1/2"	6"	<b>\$6.12</b>



### Full Finish Solid Punches

**Mayhew** Designed to drive out rivets and to loosen frozen or tight pins and keys. For use on metals softer than the cutting edge itself. Forged by hand from the highest quality alloy steels. USA made.

Stk.	Mfr.	Point	Stock	Length	Price
<b>960896</b>	20001	1/8"	3/8"	5"	<b>\$5.94</b>
<b>960898</b>	20002	3/16"	7/16"	5-1/2"	<b>\$5.94</b>
<b>960900</b>	20003	1/4"	1/2"	6"	<b>\$6.03</b>
<b>960902</b>	20105	5/16"	1/2"	6"	<b>\$8.28</b>
<b>960904</b>	20301	3/8"	5/8"	6-1/2"	<b>\$11.50</b>



### Economy Finish Pin Punches

**Mayhew** Designed to drive and remove pins and rivets already loosened by a solid punch. For use on metals softer than the cutting edge itself. Forged by hand from the highest quality alloy steels. USA made.

Stk.	Mfr.	Point	Stock	Length	Price
<b>960915</b>	71000	1/16"	1/4"	4"	<b>\$4.87</b>
<b>960917</b>	71001	3/32"	5/16"	4-1/2"	<b>\$5.06</b>
<b>960919</b>	71002	1/8"	5/16"	4-3/4"	<b>\$5.22</b>
<b>960921</b>	71003	5/32"	5/16"	5"	<b>\$5.33</b>
<b>960923</b>	71004	3/16"	3/8"	5-1/4"	<b>\$5.50</b>
<b>960927</b>	71005	1/4"	3/8"	5-3/4"	<b>\$5.70</b>
<b>960929</b>	71503	5/16"	1/2"	6"	<b>\$7.88</b>
<b>960931</b>	71504	3/8"	1/2"	6-1/2"	<b>\$7.97</b>



### 7-Piece Center Punch Set

**Starrett** Square knurled grip will not roll when laid down. Tool steel hardened and tempered full length. Special tempering process prevents head from fracturing. Tips accurately centered and ground at proper angle. Lengths 2-7/8" to 5".

**Includes** 1/16", 5/64", 3/32", 1/8", 5/32", 3/16" & 1/4", plus laminated wood holder.

Stk.	Mfr.	Price
<b>874390</b>	S264WB	<b>\$90.80</b>



### 5-Piece Drive Pin Punch Set

**Starrett** Bodies are 4-1/2"L, pin section is 3-1/2"L, overall 8"L. Selected tool steel, well-proportioned, hardened with a knurled grip. Designed to withstand hard use.

**Includes** 1/8", 3/16", 1/4", 5/16", 3/8" & plastic pouch.

Stk.	Mfr.	Price
<b>874378</b>	S248PC	<b>\$55.90</b>



**5-Piece Long Drive Pin Punch Set**

**General** Long-drive punches reach where shorter punches can't. Tool steel, hardened, centerless ground with a knurled grip. 4-1/2"L body with 3-1/2"L pin. Conforms to GGG-P-831E specifications.

**Includes** 1/8", 3/16", 1/4", 5/16", 3/8" & vinyl case.

Stk.	Mfr.	Price
<b>417501</b>	SPC76	<b>\$37.10</b>



**8-Piece Drive Pin Punch**

**General** Ends are ground square for accurate pin driving. Tool steel, uniformly heat-treated, centerless ground with knurled bodies with stand hard use. 4"L. Conforms to GGG-P-831E specifications.

**Includes** 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & molded case.

Stk.	Mfr.	Price
<b>417500</b>	SPC75	<b>\$39.70</b>



**8-Piece Drive Pin Punch Set**

**Starrett** Selected tool steel, well-proportioned, hardened, highly polished and knurled finger grip. 4"L.

**Includes** 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & wood holder.

Stk.	Mfr.	Price
<b>875310</b>	S565WB	<b>\$69.90</b>



**8-Piece Knurled Pin Punch Set**

**Mayhew** Forged from the highest quality alloy steels. Knurled finger grip. Bodies are 4"L. USA made.

**Includes** 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" & 5/16", plus pouch.

Stk.	Mfr.	Price
<b>528690</b>	62060	<b>\$43.30</b>



**10-Piece Full Finish Punch Set**

**Mayhew** Designed to mark metal, drive and remove pins and rivets and align holes in different sections of metal and other material. For use on metals softer than the cutting edge itself. Forged by hand from the highest quality alloy steels. USA made.

**Includes** 5/32" center punch, 8 pin punches (3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8") & 1/8" solid punch, plastic pouch w/hanging grommet.

Stk.	Mfr.	Price
<b>962494</b>	62005	<b>\$70.40</b>



**Punch & Chisel Holder**

**Proto** Reduce risk of injury. This tool holds punches and chisels up to 1" dia., has a nylon insert to absorb shock and a 4-sided handle.

Stk.	Mfr.	Price
<b>909130</b>	2108	<b>\$25.50</b>



**Cold Chisels**

**Mayhew**

Designed to cut, shape and remove metal softer than the cutting edge itself, such as cast iron, wrought iron, steel, bronze and copper. Forged by hand from the highest quality alloy steels.

Stk.	Mfr.	Cutting Edge	Stock	Length	Price
<b>959469</b>	70200	1/4"	1/4"	5"	<b>\$4.74</b>
<b>959536</b>	70201	5/16"	1/4"	5"	<b>\$4.95</b>
<b>959603</b>	70202	3/8"	5/16"	5-1/2"	<b>\$5.26</b>
<b>959670</b>	70205	1/2"	7/16"	6"	<b>\$5.94</b>
<b>959737</b>	70209	5/8"	1/2"	6-1/2"	<b>\$6.60</b>
<b>959804</b>	70212	3/4"	5/8"	7"	<b>\$8.76</b>
<b>959871</b>	70216	7/8"	3/4"	7-1/2"	<b>\$10.60</b>
<b>959938</b>	70220	1"	7/8"	8"	<b>\$13.70</b>

**6-Piece Includes** 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", plus plastic roll.

Stk.	Mfr.	Cutting Edge	Stock	Length	Price
<b>528655</b>	60560				<b>\$48.50</b>

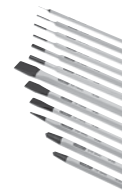


**5-Piece Punch & Chisel Set**

**GEARWRENCH**

**Includes** 1/8", 5/32" & 3/16" pin punches, 1/2" cold chisel & 3/8" center punch.

Stk.	Mfr.	Price
<b>433530</b>	82304	<b>\$16.50</b>



**12-Piece Punch & Chisel Set**

**Stanley** 1-piece construction forged for strength. Hardened, quenched & tempered for long life & durability. Powder-coated finish for easy visibility.

Stk.	Mfr.	Price
<b>848438</b>	16-299	<b>\$29.50</b>



**Punch & Chisel Sets**

**Mayhew** USA made.

**6-Piece Set Includes** 1/2" & 5/8" cold chisels, 3/16" center punch, 3/16" pin punch, 3/16" solid punch, plus plastic pouch.

Stk.	Mfr.	Price
<b>528672</b>	61005	<b>\$44.20</b>

**14-Piece Set Includes** 1/8" line-up punch, 1/8" & 3/16" solid punches, 3/8" center punch, 1/4", 3/8", 1/2", 5/8", 3/4" cold chisels, 3/32", 1/8", 5/32", 3/16" & 1/4" pin punches, plus plastic pouch.

Stk.	Mfr.	Price
<b>528680</b>	61044	<b>\$95.10</b>

**24-Piece Set Includes** 1/4" cape chisel, 5/16" prick punch, 3/8" & 1/2" center punches, 1/4" diamond point chisel, 1/4" half round nose chisel, 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" cold chisels, 3/32", 1/8", 5/32", 3/16", 1/4" & 5/16" solid punches, 3/32", 1/8", 5/32", 3/16", 1/4" & 5/16" pin punches, plus plastic pouch.

Stk.	Mfr.	Price
<b>528681</b>	61050	<b>\$178.00</b>

## AUGER BITS & SETS



### Hand Brace Solid Center Auger Bits

**Irwin** Has double spurs and cutters plus balanced head with medium-fast screw pitch. Open throat design gives quick clearance of chips to prevent clogging and binding. Made from special-grade tool steel with highly polished finish, heat-treated and tempered for long life. Taper square shank.

Stk.	Mfr.	Size	Length	Price
484000	43604	1/4"	7-1/2"	\$14.30
484134	43606	3/8"	8"	\$14.30
484201	43607	7/16"	8"	\$14.30
484268	43608	1/2"	8"	\$14.30
484335	43609	9/16"	8-1/2"	\$14.60
484402	43610	5/8"	8-1/2"	\$15.00
484536	43612	3/4"	9"	\$16.00
484670	43614	7/8"	9"	\$17.50
484737	43615	15/16"	9-1/2"	\$18.30
484804	43616	1"	9-1/2"	\$18.90

### 13-Piece Set Bits from 1/4" to 1" by 1/16ths in vinyl roll w/hang grommets.

Stk.	Mfr.	Size	Length	Price
485005	43697			\$198.00



### Solid Center Auger Bits

**Irwin** For use in electric drills and hand braces. Heat-treated full length for added strength. Coarse screw point for fast boring in all types of wood.

Stk.	Mfr.	Size	Shank	Length	Price
484010	49904	1/4"	3/8"	7-1/2"	\$14.40
484012	49906	3/8"	3/8"	7-1/2"	\$14.50
484014	49908	1/2"	3/8"	7-1/2"	\$14.60
484016	49910	5/8"	3/8"	7-1/2"	\$14.60
484018	49912	3/4"	3/8"	7-1/2"	\$15.70
484020	49914	7/8"	3/8"	7-1/2"	\$17.10
484022	49916	1"	3/8"	7-1/2"	\$18.50

### 6-Piece Set Includes 1/4", 3/8", 1/2", 5/8", 3/4" & 1", plus vinyl holder.

Stk.	Mfr.	Size	Shank	Length	Price
484034	49998				\$88.40

### 13-Piece Set Includes 1/4" to 1" by 1/16ths, plus holder.

Stk.	Mfr.	Size	Shank	Length	Price
485275	90076				\$196.00



### Bell Hanger Bit

**Vermont American** Heat-treated and tempered for long life. Wide flute design allows for fast, clean boring in wood and plaster. Hole in flute head for pulling wires. Used for drilling lamp columns for cord or pipe nipple to hold socket.

Stk.	Mfr.	Size	Length	Price
261922	13323	3/8"	18"	\$14.20



### Expansive Bit

**Irwin** Drill 35 different diameter holes with one adjustable cutting blade. Strong, 1-piece forged bit has lockhead screw to secure desired boring size. 2 cutters from 7/8" to 3" (35 hole sizes in 1/8" increments).

Stk.	Mfr.	Length	Price
483371	44202	8-1/2"	\$41.60

## WOOD CHISELS



### 5-Piece Carving Tool Set

**General** Half-round palm style handles are made of hardwood. Blades are hand-forged tool steel.

**Includes** honing stone & plastic case, plus: 5/16" bent large gouge, 5/16" straight skew chisel, 5/32" straight small gouge, 5/16" bent square chisel & 5/32" bent V-parting tool.

Stk.	Mfr.	Blade	Handle	Price
419890	1293	2-1/2"L	2-1/4"L	\$56.50

### Basic Carving Tool Set



**Buck** Carving tools are forged from quality tool steel with hand-ground surfaces and sharpened edges. Sturdy plastic handles are designed to fit comfortably in the hand.

**Includes** 1/2" straight gouge, 1/2" firmer chisel, 1/4" straight gouge, 1/4" corner chisel, 1/4" front bent chisel & 1/4" V-parting tool.

Stk.	Mfr.	Blade	Handle	Price
281005	306	3"L	3"L	\$33.40

### 6-Piece Carving Tool Set



**X-Acto** Heavy-duty carving tools made of forged steel with hardwood handles. Features all of the tools needed for three dimensional carving, deep relief cutting, groove cutting and initial shaping of wood, linoleum and other tough materials. Designed to allow you to make the careful and detailed cuts you need time and time again.

**Includes** straight chisel, bent chisel, skew bevel chisel, bent gouge, u-tool & veining tool.

Stk.	Mfr.	Price
477070	X5179	\$36.40



### 12-Piece Carving Tool Set

**Steelex** Set features beech wood handles with steel ferrules.

**Includes** leather roll-up pouch, plus 6 mm (straight, spoon, beading, right skew, V-groove, round nose & double skew), 8 mm gouge, 10 mm V-tool & gouge, 12 mm straight & 14 mm gouge.

Stk.	Mfr.	Blade	Handle	Price
785621	D2227	3/14"L	3-5/8"L	\$58.80



### Superpro Wood Chisels

**Great Neck** Blade barrel and shank are forged from 1 piece of high carbon tool steel. 2 zone heat treatment and temper. 3" blade length with beveled edges. Steel cap to absorb hammer blows. Plastic handles. USA made.

Stk.	Mfr.	Width	Price
280970	1041	1/4"	\$11.60
280972	1042	3/8"	\$11.60
280974	1043	1/2"	\$12.60
280976	1044	5/8"	\$12.80
280978	1045	3/4"	\$12.80
280980	1046	1"	\$13.30
280982	1047	1-1/4"	\$14.50
280984	1048	1-1/2"	\$16.00
280986	1049	2"	\$17.50

**Professional Wood Chisels**



**Great Neck** Professional quality 1-piece drop-forged steel chisel. Polished 3" blade ground and honed to extreme sharpness. Full bodied impact resistant handle. USA made.

Stk.	Mfr.	Width	Price
281140	9101C	1/4"	\$9.45
281141	9103C	1/2"	\$9.79
281142	9105C	3/4"	\$9.90
281143	9106C	1"	\$10.40
281144	9107C	1-1/4"	\$11.10
281145	9108C	1-1/2"	\$12.10

**3-Piece Set Includes** 1/2", 3/4", 1".

Stk.	Mfr.	Width	Price
281147	903		\$22.10

**4-Piece Set Includes** 1/4", 1/2", 3/4", 1".

Stk.	Mfr.	Width	Price
281146	904		\$27.70

**Wood Chisels**



**Stanley** Hardened and tempered chrome carbon steel blade is precision ground and edge honed. Ergonomically designed impact resistant handle made of polypropylene and TPR. Hang tag stores and protects tool.

Stk.	Mfr.	Width	Price
848440	16-304	1/4"	\$9.87
848441	16-308	1/2"	\$11.10
848442	16-312	3/4"	\$11.80
848443	16-316	1"	\$13.00
848444	16-320	1-1/4"	\$14.20
848445	16-324	1-1/2"	\$15.40

**3-Piece Set Includes** 1/2", 3/4", 1".

Stk.	Mfr.	Width	Price
848446	16-300		\$31.50

**FatMax® Wood Chisels**



**Stanley** Hardened and tempered high-chrome carbon alloy steel blade for edge retention. Precision-ground blade accurately sized and etched with blade size. Ergonomic, bi-material grip handle is break resistant. Steel striking cap for use with steel-headed hammer.

Stk.	Mfr.	Width	Price
849202	16-973	1/4"	\$14.10
849203	16-974	3/8"	\$14.10
849204	16-975	1/2"	\$14.10
849205	16-976	5/8"	\$14.60
849206	16-977	3/4"	\$14.60
849207	16-978	1"	\$14.90
849208	16-979	1-1/4"	\$17.00
849209	16-980	1-1/2"	\$17.90
849210	16-981	2"	\$23.90

**3-Piece Set Includes** 1/2, 3/4", 1".

Stk.	Mfr.	Width	Price
849200	16-970		\$35.80

**6-Piece Set Includes** 1/4", 1/2", 3/4", 1", 1-1/4", 1-1/2".

Stk.	Mfr.	Width	Price
849201	16-971		\$83.70

**Marples Blue Chip Chisels**



**Irwin** High-carbon, solid-forged steel blades provide maximum edge retention. Longer blades and handles for increased leverage. Slightly squared polypropylene handles are designed for hand or mallet work.

Stk.	Mfr.	Width	Price
619606	M444/-1/4N	1/4"	\$9.27
619607	M444/-3/8N	3/8"	\$9.48
619608	M444/-1/2N	1/2"	\$9.98
619609	M444/-5/8N	5/8"	\$10.40
619610	M444/-3/4N	3/4"	\$11.20
619611	M444/1N	1"	\$12.30
619612	M444/1-1/4N	1-1/4"	\$13.40
619613	M444/1-1/2N	1-1/2"	\$14.70
619616	M444/2N	2"	\$19.70

**4-Piece Set Includes** 1/4", 1/2", 3/4", 1".

Stk.	Mfr.	Width	Price
619617	M444/S4N		\$38.70

**6-Piece Set Includes** 1/4", 3/8", 1/2", 5/8", 3/4", 1", plus case.

Stk.	Mfr.	Width	Price
619614	M444/SB6N		\$72.10

**Chisel/Plane Blade Sharpening Kit**

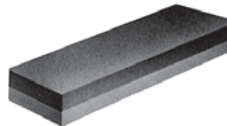


**General** Keeps chisel and plane blades razor sharp. Graduated settings maintain 30° cutting angle on chisel or plane blade. Spring clamp locks in blades up to 2-5/8"W. Made of high-impact fiberglass-reinforced LEXAN®. Folds for storage.

**Requires stone & oil, sold separately.**

Stk.	Mfr.	Price
419460	809	\$29.00

**India Oil Stones**



**NORTON** Aluminum oxide stone for producing sharp edges on chisels, edge tools and plane blades, plus for cleaning, deburring. Coarse/fine combination bench stone.

Stk.	Mfr.	Size	Price
608787	85560	2" x 1" x 6"	\$24.40
608854	85565	2" x 1" x 8"	\$28.90

**Sharpening Stone Oil**



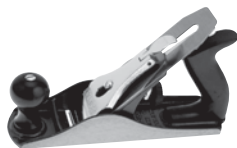
**NORTON** For use with all sharpening stones to help reduce particle build-up on the stone surface.

Stk.	Mfr.	Size	Price
609457	87760	4-1/2 oz.	\$6.94
609524	87775	1 qt.	\$19.50

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Call us at 800-831-5904.



## PLANES



### No. 4 Smooth Bench Plane

**Stanley** Gray cast iron base with precision ground side and bottom. Durable epoxy coating. Hardened, tempered and precision-ground tool steel cutter for cutting edge durability. Fully-machined and polished double iron cutter and lever. Frog seat is machined for precise

mouth adjustment. Precise shaving control provided by exact depth and lateral cutter adjustment. Solid brass cutter adjustment knob. Quick-release cam-lock for easy iron removal. Kidney-shaped hole in lever cap prevents accidental cutter slips. Contoured and polished high-impact polymer handles and knobs.

Stk.	Mfr.	Length	Cutter Width	Price
<b>846119</b>	12-204	9-3/4"	2"	<b>\$59.10</b>



### Bailey® No. 4 Smooth Bench Plane

**Stanley** Gray cast iron base with precision-ground side and bottom. Durable epoxy coating. Hardened, tempered and precision-ground tool steel cutter for cutting edge durability. Fully-machined and polished double iron cutter and lever. Frog seat is machined

for precise mouth adjustment. Precise shaving control provided by exact depth and lateral cutter adjustment. Solid brass cutter adjustment knob. Quick-release cam-lock for easy iron removal. Kidney-shaped hole in lever cap prevents accidental cutter slips. Contoured and polished high-impact polymer handles and knobs.

Stk.	Mfr.	Length	Cutter Width	Price
<b>845489</b>	12-904	9-3/4"	2"	<b>\$80.80</b>

### Bailey® No. 5 Bench Plane

**Stanley** Gray cast iron base with precision-ground side and bottom. Durable epoxy coating. Hardened, tempered and precision-ground tool steel cutter for cutting edge durability. Fully-machined and polished double iron cutter and lever. Precisely-machined

mouth adjusting frog seat. Precise shaving control provided by exact depth and lateral cutter adjustment. Solid brass cutter adjustment knob. Quick-release cam-lock for easy iron removal. Kidney shaped hole in lever cap prevents accidental slippage of cutter. Contoured and polished high impact polymer handles and knobs.

Stk.	Mfr.	Length	Cutter Width	Price
<b>845556</b>	12-905	14"	2"	<b>\$97.70</b>

### Block Plane



**Stanley** Gray cast iron base with bottom machined and true. Durable epoxy coating for long lasting protection. Cast-in finger rest at front of plane for comfort. Hardened and tempered tool steel cutter for cutting edge durability. Cutter rests at a 21° angle, ideal for

cross grain planing. Cutter is fully adjustable for depth of cut and lateral adjustment.

Stk.	Mfr.	Length	Cutter Width	Cutting Angle	Price
<b>846140</b>	12-220	7"	1-5/8"	21°	<b>\$35.50</b>



### Bailey® Block Planes

**Stanley** Gray cast iron base with precision ground side and bottom. Durable epoxy coating for long lasting protection. Hardened, tempered and precision ground tool steel cutter for cutting edge durability. Exact depth and lateral cutter adjustment for precise shaving. Quick

release cam-lock for easy blade removal. Machined finger grips in sides provide for easy single-handed use. Fully adjustable cutter resting at 21° angle. 13-1/2" low angle cutter ensures that vibration is kept to a minimum for a fine finish. Ideal for planing end grain and plastic materials.

Stk.	Mfr.	Length	Cutter Width	Cutting Angle	Price
<b>845740</b>	12-920	6-1/4"	1-5/8"	21°	<b>\$60.00</b>

### Low Angle

Stk.	Mfr.	Length	Cutter Width	Cutting Angle	Price
<b>845824</b>	12-960	6"	1-3/8"	13-1/2°	<b>\$57.10</b>

### Bullnose Rabbet Plane



**Stanley** One piece cast iron body and handle with accurately machined working surfaces. This plane has 2 cutter positions: the rear position for regular work and the forward position for bull nose work. Rear cutter has precise depth adjustment.

**Includes** spur, removable depth gauge & adjustable fence.

Stk.	Mfr.	Length	Cutter Width	Price
<b>845891</b>	12-978	10"	1-1/2"	<b>\$88.60</b>

### Small Trimming Plane



**Stanley** Small, light plane for modeling, sculpture, odds and ends of light work. Sides and trimmings are durable nickel finish.

Stk.	Mfr.	Length	Cutter Width	Price
<b>845970</b>	12-101	3-1/2"	1"	<b>\$11.50</b>

### Block Plane Iron Replacement Cutters

**Stanley** Replacement plane irons are made from hardened and tempered high carbon chrome steel which have excellent edge retention and characteristics and allows a razor sharp edge to be honed. Cutter is ground to give a flat surface that is easier to sharpen. Irons are supplied with an accurate ground edge of 25°.

Stk.	Mfr.	Cutter Width	Fits	Price
<b>846564</b>	12-504	1-3/8"	G12-060	<b>\$12.90</b>
<b>846634</b>	12-508	1-5/8"	12-920, 12-253, 12-247 & 12-252	<b>\$12.50</b>
<b>846435</b>	12-331	1-5/8"	9-1/2, 9-1/4, 118, 220, 12-019, 12-020, 12-118 & 12-220	<b>\$12.90</b>
<b>846162</b>	12-313	2"	4, 1204, 5, 1205, 12-005, 12-004, 12-204, 12-205, 12-904, 12-905, G12-204, G12-205, G12-004 & G12-005	<b>\$19.20</b>

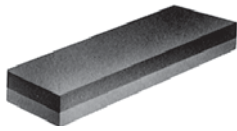
### Chisel/Plane Blade Sharpening Kit



**General** Keeps chisel and plane blades razor sharp. Graduated settings maintain 30° cutting angle on chisel or plane blade. Spring clamp locks in blades up to 2-5/8"W. Made of high-impact fiberglass-reinforced LEXAN®. Folds for storage.

**Requires stone & oil, sold separately.**

Stk.	Mfr.	Price
<b>419460</b>	809	<b>\$29.00</b>



**India Oil Stones**

**NORTON** Aluminum oxide stone for producing sharp edges on chisels, edge tools and plane blades, plus for cleaning, deburring. Coarse/fine combination bench stone.

Stk.	Mfr.	Size	Price
<b>608787</b>	85560	2" x 1" x 6"	<b>\$24.40</b>
<b>608854</b>	85565	2" x 1" x 8"	<b>\$28.90</b>



**Sharpening Stone Oil**

**NORTON** For use with all sharpening stones to help reduce particle build-up on the stone surface.

Stk.	Mfr.	Size	Price
<b>609457</b>	87760	4-1/2 oz.	<b>\$6.94</b>
<b>609524</b>	87775	1 qt.	<b>\$19.50</b>

**FILES**

**Super Shear® Files**



**Nicholson** Double purpose milled curved tooth file for fast cutting. Smooths as it roughs.

Stk.	Mfr.	Length	Price
<b>779610</b>	21016N	8"	<b>\$26.10</b>
<b>779611</b>	21067N	10"	<b>\$31.60</b>

**Flat Aluminum Type "A" Files**



**Nicholson** Special tooth construction eliminates clogging when filing aluminum. Smooth finishes obtained by using shearing cut towards left. Double cut.

Stk.	Mfr.	Length	Price
<b>778737</b>	00047N	10"	<b>\$16.60</b>
<b>778804</b>	00070N	12"	<b>\$23.00</b>

**Flat Files**



**Nicholson** Used for rapid removal of metal. Double cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>778871</b>	03467N	6"	<b>\$8.87</b>
<b>778938</b>	03566N	8"	<b>\$11.10</b>
<b>779005</b>	03665N	10"	<b>\$13.10</b>
<b>779072</b>	03764N	12"	<b>\$17.00</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>779139</b>	03500N	6"	<b>\$9.40</b>
<b>779206</b>	03599N	8"	<b>\$11.60</b>
<b>779273</b>	03698N	10"	<b>\$15.00</b>
<b>779340</b>	03797N	12"	<b>\$19.20</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>779407</b>	03533N	6"	<b>\$11.20</b>
<b>779474</b>	03632N	8"	<b>\$12.40</b>
<b>779541</b>	03731N	10"	<b>\$16.60</b>
<b>779608</b>	03830N	12"	<b>\$21.30</b>
<b>779609</b>	03929N	14"	<b>\$29.50</b>

**Half Round Files**



**Nicholson** Rounded on 1 side, flat on the other. Can be used on concave and convex as well as flat surfaces. Double cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>780211</b>	04795NND	6"	<b>\$12.70</b>
<b>780278</b>	04896NN	8"	<b>\$15.40</b>
<b>780345</b>	04995N	10"	<b>\$18.30</b>
<b>780412</b>	05094N	12"	<b>\$23.50</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>780479</b>	04828NN	6"	<b>\$13.70</b>
<b>780546</b>	04927NN	8"	<b>\$16.10</b>
<b>780613</b>	05026N	10"	<b>\$19.80</b>
<b>780680</b>	05125N	12"	<b>\$25.50</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>780747</b>	04861NN	6"	<b>\$14.20</b>
<b>780814</b>	04960NN	8"	<b>\$16.40</b>
<b>780881</b>	05059N	10"	<b>\$20.80</b>
<b>780948</b>	05158N	12"	<b>\$26.80</b>

**Hand Files**



**Nicholson** Double cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>779952</b>	05738N	6"	<b>\$9.82</b>
<b>779955</b>	05853N	8"	<b>\$11.00</b>
<b>779963</b>	05968N	10"	<b>\$14.60</b>
<b>779966</b>	06084N	12"	<b>\$19.60</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>779964</b>	06001NN	10"	<b>\$16.10</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>779965</b>	06034N	10"	<b>\$17.40</b>

**Mill Files**



**Nicholson** For sharpening mill or circular saws. Also for draw-filing and finishing metals. Single cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>781417</b>	08354N	6"	<b>\$6.01</b>
<b>781484</b>	08497N	8"	<b>\$7.22</b>
<b>781551</b>	08642N	10"	<b>\$9.27</b>
<b>781618</b>	08737N	12"	<b>\$14.50</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>781685</b>	08385N	6"	<b>\$8.74</b>
<b>781752</b>	08529N	8"	<b>\$9.79</b>
<b>781819</b>	08673N	10"	<b>\$12.00</b>
<b>781886</b>	08768N	12"	<b>\$15.80</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>781953</b>	08416N	6"	<b>\$9.27</b>
<b>782020</b>	08560N	8"	<b>\$11.00</b>
<b>782087</b>	08704N	10"	<b>\$12.80</b>
<b>782154</b>	08799N	12"	<b>\$16.50</b>

**Round Files**

**Nicholson** Used to file circular openings or concave surfaces. Slightly tapered towards the point. Single cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>782355</b>	11716N	6"	<b>\$6.71</b>
<b>782422</b>	11904	8"	<b>\$8.12</b>
<b>782489</b>	12019	10"	<b>\$10.50</b>
<b>782556</b>	12134	12"	<b>\$13.90</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>782623</b>	11748N	6"	<b>\$7.66</b>
<b>782690</b>	11936	8"	<b>\$9.40</b>
<b>782757</b>	12051	10"	<b>\$11.80</b>
<b>782824</b>	12166	12"	<b>\$15.90</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>782891</b>	11781N	6"	<b>\$8.36</b>
<b>782958</b>	11969	8"	<b>\$10.50</b>
<b>783025</b>	12084	10"	<b>\$13.10</b>
<b>783092</b>	12199	12"	<b>\$16.50</b>

**Square Files**

**Nicholson** Used for filing slots, keyways and general surface filing. Tapered slightly towards the point. Double cut.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>783159</b>	12967	6"	<b>\$9.79</b>
<b>783226</b>	13081	8"	<b>\$11.60</b>
<b>783293</b>	13196	10"	<b>\$14.70</b>
<b>783360</b>	13310	12"	<b>\$19.80</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>783427</b>	13000N	6"	<b>\$11.10</b>
<b>783494</b>	13114	8"	<b>\$12.60</b>
<b>783561</b>	13229	10"	<b>\$16.10</b>
<b>783628</b>	13343	12"	<b>\$22.30</b>

**Smooth Cut**

Stk.	Mfr.	Length	Price
<b>783695</b>	13033	6"	<b>\$11.60</b>
<b>783762</b>	13147	8"	<b>\$14.00</b>
<b>783829</b>	13262	10"	<b>\$17.40</b>
<b>783896</b>	13376	12"	<b>\$24.40</b>

**Long Angle Lathe Files**

**Nicholson** For rapid, free cutting of lathe filing. Single cut.

Stk.	Mfr.	Length	Price
<b>782221</b>	07657N	10"	<b>\$16.40</b>
<b>782288</b>	07688N	12"	<b>\$22.10</b>

**Tungsten Point File**

**Nicholson** For cleaning distributor points, spark plugs, contact points of magnetos, switches, electric bells, etc. Made w/chisel tip for entering gaps and slots. Single cut.

Stk.	Mfr.	Length	Price
<b>784231</b>	02373N	5"	<b>\$6.45</b>

**Half Round Wood File**

**Nicholson** Has coarse teeth for use on wood. Double cut.

Stk.	Mfr.	Length	Price
<b>312829</b>	17505N	10"	<b>\$18.50</b>

**Hand File**

**Nicholson** This file has a single cut on 1 side for sharpening edged tools and smoothing metal surfaces. The other side has a double cut for rapid removal of metal.

Stk.	Mfr.	Length	Price
<b>784234</b>	06602N	8"	<b>\$12.60</b>

**Magicut Files**

**Nicholson** For rapid removal of stock, leaves a smooth finish.

Stk.	Mfr.	Length	Price
<b>781380</b>	07894N	8"	<b>\$11.60</b>
<b>781382</b>	07917N	10"	<b>\$15.00</b>
<b>781384</b>	07941N	12"	<b>\$19.10</b>

**Cabinet Rasps**

**Nicholson** Second cut cabinet rasps for cabinetmakers and woodworkers. The curved side of these rasps is similar to that of half round rasps but has a larger radius. Single cut on edges.

Stk.	Mfr.	Length	Price
<b>778451</b>	17615N	8"	<b>\$22.70</b>
<b>778454</b>	17683N	10"	<b>\$24.80</b>
<b>778456</b>	17751N	12"	<b>\$31.80</b>

**4-in-Hand File (Shoe Rasp)**

**Nicholson** A file section and rasp section on the flat side and a file section and rasp section on the half round side.

Stk.	Mfr.	Length	Price
<b>779960</b>	18924N	8"	<b>\$13.10</b>
<b>779962</b>	18962N	10"	<b>\$16.60</b>

**Wood Rasps**

**Nicholson** Design and shape makes them particularly effective in the shaping of wood.

**Flat**

Stk.	Mfr.	Length	Price
<b>779943</b>	19136N	10"	<b>\$19.40</b>

**Half Round Bastard**

Stk.	Mfr.	Length	Price
<b>781216</b>	19394N	8"	<b>\$16.10</b>
<b>781283</b>	19427N	10"	<b>\$19.70</b>
<b>781350</b>	19460N	12"	<b>\$30.40</b>

**Round Bastard**

Stk.	Mfr.	Length	Price
<b>783115</b>	19846	8"	<b>\$16.50</b>
<b>783117</b>	19875	10"	<b>\$24.60</b>

**3-Square Files**

**Nicholson** Triangular with 60° angles, tapered to a point.

**Bastard Cut**

Stk.	Mfr.	Length	Price
<b>784180</b>	15925N	6"	<b>\$11.20</b>
<b>784188</b>	16036N	8"	<b>\$13.40</b>
<b>784196</b>	16147N	10"	<b>\$15.90</b>

**Second Cut**

Stk.	Mfr.	Length	Price
<b>784182</b>	15958N	6"	<b>\$12.60</b>
<b>784190</b>	16069N	8"	<b>\$15.30</b>
<b>784198</b>	16180N	10"	<b>\$17.30</b>



**6-Piece Mini File Set**

**Nicholson** Miniature files are fine cut for intricate work. **Includes** vinyl case.

Stk.	Mfr.	Length	Price
<b>784235</b>	42030	5-1/2"	<b>\$39.00</b>



**12-Piece Round Handle Needle File Set**

**Nicholson** Standard needle files, #0 cut. **Includes** vinyl case.

Stk.	Mfr.	Length	Price
<b>785370</b>	37755	6-1/4"	<b>\$199.00</b>



**12-Piece Swiss Pattern Needle File Set**

**General** Swiss pattern needle file set. Precision designed, made of the finest tool steel, for intricate work. For die makers, instrument makers, jewelers, watchmakers and crafters. #2 cut.

**Includes** snap button plastic case.

Stk.	Mfr.	Length	Price
<b>418785</b>	S475	5-1/2"	<b>\$26.50</b>



**8-Piece Machinist File Set**

**Nicholson** **Includes** rugged pouch, plus 10" mill bastard file, 10" half round bastard file, 10" flat bastard file, 10" square bastard file, 10" round bastard file, 10" flat smooth file, 10" file cleaner (card) & 7" slim taper file.

Stk.	Mfr.	Price
<b>312851</b>	22025NN	<b>\$112.00</b>



**9-Piece Maintenance File Set**

**Nicholson** **Includes** rugged pouch, plus 6" slim taper file, 8" four-in-hand file, 8" flat smooth file, 8" half md. bstrd. file, 10" flat bastard file, 10" flat smooth file, 10" mill bastard file, 10" half md. bstrd. file, 10" round bastard file.

Stk.	Mfr.	Price
<b>312852</b>	22030NN	<b>\$122.00</b>



**General Purpose File Sets**

**Nicholson**

**5-Piece Includes** rugged pouch, plus 10" mill bastard file, 8" mill bastard file, 8" mill smooth file, 10" half md. bstrd. file, 6" slim taper file.

Stk.	Mfr.	Price
<b>312854</b>	22040NN	<b>\$52.10</b>

**6-Piece Includes** rugged pouch, plus 10" flat bastard file, 10" flat smooth file, 10" mill bastard file, 10" half md. bstrd. file, 10" round bastard file, 8" four-in-hand file, 8" flat smooth file, 8" half md. bstrd. file, 6" slim taper file.

Stk.	Mfr.	Price
<b>543840</b>	MWF-1	<b>\$81.00</b>



**5-Piece File Set**

**Stanley** Ideal for most sharpening and material removal needs. For filing flat, round and less than 90° angles. Interchangeable bi-material handle.

**Includes** 8" mill bastard file, 6" round file, 6" slim taper file, 8" 4-in-1 file & 1 handle.

Stk.	Mfr.	Price
<b>851285</b>	22-314	<b>\$22.30</b>



**6-Piece Welders File Set w/Brush**

**Nicholson** Cuts steel, wood, plastic, leather and rubber.

**Includes** wire brush, two 12" half round bastard files, two 10" mill bastard files & 12" flat bastard file.

Stk.	Mfr.	Price
<b>543844</b>	MWF-2	<b>\$83.00</b>



**Skroo-Zon® File Handles**

**Lutz** Screw-on type handle of white birch with a heavy steel gauge ferrule. The file screws onto a hardened steel insert inside the handle that cuts a thread on the file tang.

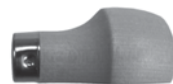
Stk.	Mfr.	Type	Length	Dia.	Price
<b>511275</b>	24	T4 (6" files)	4"	1-1/8"	<b>\$3.10</b>
<b>511276</b>	25	T5 (8" files)	4-1/2"	1-1/4"	<b>\$3.65</b>
<b>511277</b>	26	T6 (10" files)	4-1/2"	1-1/4"	<b>\$3.65</b>
<b>511278</b>	27	T7 (12" files)	5"	1-3/8"	<b>\$3.96</b>
<b>511280</b>	28	T8 (14" files)	5"	1-3/8"	<b>\$3.96</b>
<b>511003</b>	29	T9 (rasps)	3-7/8"	1-1/2"	<b>\$4.47</b>



**Short Ferrule File Handle**

**Lutz** Hardwood handle with nickel-plated steel ferrule.

Stk.	Mfr.	Type	Length	Dia.	Bore	Depth	Price
<b>511000</b>	01	01 (3" - 4" files)	3-1/2"	13/16"	5/32"	1-1/4"	<b>\$1.35</b>
<b>511067</b>	02	02 (4" - 6" files)	4"	15/16"	3/16"	1-5/8"	<b>\$1.49</b>
<b>511134</b>	03	03 (6" - 8" files)	4-1/4"	1-3/64"	7/32"	2"	<b>\$1.64</b>
<b>511201</b>	04	04 (8" - 10" files)	4-3/4"	1-1/8"	9/32"	2-1/4"	<b>\$1.71</b>
<b>511202</b>	05	05 (10" - 14" files)	5"	1-1/4"	3/8"	2-1/2"	<b>\$1.88</b>



**Comfort Grip File Handle**

**Lutz** Ergonomic handle provides comfort and reduces fatigue. Natural fit in hand is ideal for detail work. Flat side for enhanced control with no twist.

Short length works in confined areas. New England hardwood with metal ferrule.

Stk.	Mfr.	Type	Length	Dia.	Bore	Depth	Price
<b>511285</b>	CG-125	For small files	2-1/4"	1-3/8"	1/8"	3/4"	<b>\$1.73</b>



**Metal Ferruled Wooden File Handle**

**Nicholson** Seasoned white birch handle with shellac finish and metal ferrule.

Stk.	Mfr.	Type	Length	Price
<b>785570</b>	21471N	00	5-3/4"	<b>\$4.79</b>
<b>785575</b>	21476N	0	5-1/4"	<b>\$3.66</b>
<b>785580</b>	21485N	1	4-7/8"	<b>\$3.02</b>
<b>785585</b>	21494N	2	4-1/2"	<b>\$2.70</b>
<b>785590</b>	21503N	3	4-1/8"	<b>\$2.56</b>
<b>785595</b>	21511N	4	3-3/4"	<b>\$2.28</b>



### No. 20 File Card & Brush

**Lutz** General cleaning file card with brush for finer cut files, drill bits and saws.

Stk.	Mfr.	Price
<b>511268</b>	20	<b>\$16.20</b>



### No. 10 File Cleaner

**Lutz** Sharp steel bristles dig and quickly remove filings from file grooves. For machinists, mechanics, etc. for cutting, cleaning and roughing.

Stk.	Mfr.	Price
<b>511002</b>	10	<b>\$8.47</b>



### File & Rasp Cleaner

**Nicholson** General cleaning file card.

Stk.	Mfr.	Price
<b>312850</b>	21458	<b>\$13.90</b>



### File Card & Brush

**Nicholson** General cleaning file card and brush for finer cut files.

Stk.	Mfr.	Price
<b>312855</b>	21467	<b>\$18.60</b>

## SHAVERS & SURFORM TOOLS



### Spoke Shave

**Stanley** Spoke shave with adjustable cutter.

Stk.	Mfr.	Length	Width	Price
<b>846092</b>	12-951	10"	2-1/8"	<b>\$28.60</b>



### Surform Shaver

**Stanley** One-handed tool works on a pull stroke, giving close positive control and will not "chatter". One-piece molded handle.

**Includes** 2 regular clip-on type cutting blades.

Stk.	Mfr.	Length	Width	Price
<b>850620</b>	21-115	7-1/4"	1-5/8"	<b>\$5.02</b>

### Regular Cut Replacement Blade

Stk.	Mfr.	Length	Width	Price
<b>851270</b>	21-515	2-1/2"	1-5/8"	<b>\$3.63</b>



### Surform Pocket Plane

**Stanley** A speed cutting and trimming tool. Die-cast zinc alloy body.

**Includes** fine cut flat blade.

Stk.	Mfr.	Length	Width	Price
<b>851251</b>	21-399	5-1/2"	1-5/8"	<b>\$8.63</b>

### Fine Cut Replacement Blade

Stk.	Mfr.	Length	Width	Price
<b>851184</b>	21-398	5-1/2"	1-5/8"	<b>\$5.43</b>



### Surform Round File

**Stanley** Fast for enlarging holes, forming and shaping decorative cuts, etc. Yellow molded handle.

**Includes** regular cut round hardened steel blade.

Stk.	Mfr.	Length	Width	Price
<b>850983</b>	21-297	14-1/4"	5/8" dia.	<b>\$14.80</b>

### Regular Cut Replacement Blade

Stk.	Mfr.	Length	Width	Price
<b>850715</b>	21-291	10"	5/8" dia.	<b>\$9.04</b>



### Surform File

**Stanley** Metal alloy body with yellow molded handle. High-impact polymer handle holds up to heavy use.

**Includes** regular cut flat blade.

Stk.	Mfr.	Item	Length	Width	Price
<b>850849</b>	21-295	Flat, Regular Cut	17-3/8"	1-5/8"	<b>\$15.80</b>



### Surform Plane

**Stanley** Metal alloy body with yellow molded handle.

**Includes** regular cut flat blade.

Stk.	Mfr.	Item	Length	Width	Price
<b>850916</b>	21-296	Plane, Regular Cut	12-1/2"	1-5/8"	<b>\$17.90</b>

### Surform Replacement Blades

**Stanley** Fits Mfr.'s 21-295, 21-296.

Stk.	Mfr.	Item	Length	Width	Price
<b>850782</b>	21-293	Flat, Standard Cut	10"	1-5/8"	<b>\$6.31</b>
<b>851050</b>	21-299	Half Round, Regular Cut	10"	1-1/2"	<b>\$6.40</b>

## SAWS



### General Purpose Hacksaw Frame

**Nicholson** Instantly adjusts for 10" or 12" blades and 90° for vertical or horizontal cuts. Handle has 2 locating pegs for either vertical or horizontal flush cutting.

**Includes** 10" high-carbon steel blade.

Stk.	Mfr.	Blade	Price
<b>314687</b>	80951	10" or 12"L	<b>\$12.00</b>



### High-tension Tubular Hacksaw Frame

**Master Mechanic** Frame accepts 400 lbs. or 30,000 psi of tension. Blade can be used at 45° or 90°. Heavy die-cast handle.

**Includes** 12" high-carbon steel blade.

Stk.	Mfr.	Blade	Price
<b>942835</b>	245	12"L	<b>\$13.10</b>



### 5-in-1 Hacksaw Frame

**DEWALT** Allows 45° & 90° blade angles for standard and flush cuts. Low-profile, high-tension frame secures blade up to 330 lbs. Front

handle becomes a jab saw for long reach or cutting in tight spaces. Ergo comfort grip.

**Includes** 2 blades (6" reciprocating & 12" hacksaw).

Stk.	Mfr.	Blade	Price
<b>243410</b>	DWHT20547	6" or 12"L	<b>\$30.90</b>



### High-tension Low-profile Hacksaw Frame

**Stanley** High-tension, low-profile hacksaw allows cutting in tight, hard-to-reach areas.

**Includes** 12" high-carbon steel blade.

Stk.	Mfr.	Blade	Price
<b>850591</b>	20-001	12"L	<b>\$28.40</b>



**High-tension Hacksaw Frame**

**Nicholson** Solid front end for firm grip, handy blade storage in frame, 3-position blade mount, flush cutting capability, permanently mounted pins and closed grip for finger protection with enough room for work gloves.

**Includes** 12" molybdenum alloy steel edge, high-carbon steel backing blade.

Stk.	Mfr.	Blade	Price
<b>307335</b>	80965	12"L	<b>\$30.60</b>



**Rigid Steel Rubber Grip Hacksaw Frame**

**Stanley** Rigid steel frame with molded-cushion, rubber-grip, D-shaped handle. Frame adjusts for 8", 10" and 12" blades. Blade can be faced in 4 directions. 3-7/8" throat depth.

**Includes** 10" standard carbon steel blade.

Stk.	Mfr.	Blade	Price
<b>847215</b>	15-265	8", 10" or 12"L	<b>\$17.00</b>



**Contractor Grade High-tension Hacksaw Frame**

**Stanley** Rugged design for heavy-duty use. Fully-adjustable tension holds blade at up to 32,000 psi to provide longer blade life and fast, accurate cuts. Blade storage in frame. Quick-release blade changing mechanism in handle maintains tension setting. Tension guide on handle lever. Blade extended out nose of frame can be locked into place for tight corners work.

**Includes** 12" bi-metal blade.

Stk.	Mfr.	Blade	Price
<b>846908</b>	15-113	12"L	<b>\$33.30</b>



**Contractor Grade Mini Hack Utility Hacksaw Frame**

**Stanley** Cuts metal in hard-to-reach spots. Durable cast aluminum construction.

**Includes** 10" high-performance bi-metal blade, 24 tooth.

Stk.	Mfr.	Blade	Price
<b>847800</b>	15-809	10"L	<b>\$8.01</b>



**Multi-purpose Saw**

**DEWALT** Cuts metal and wood in hard-to-reach spots. Works with most reciprocating and hacksaw blades. Quick, easy blade changes

**Includes** two 8 tpi blades (6" reciprocating & 12" hacksaw).

Stk.	Mfr.	Blade	Price
<b>243414</b>	DWHT20542	6" or 12"L	<b>\$15.20</b>



**Bi-metal HSS Blade**

**MORSE** Super-sharp, high-speed steel cutting edge and electron beam welded to a flexible alloy back. For straight cuts and long life in high-tension frames with great safety.

Quantity Savings!									
Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price	10 or more	
<b>543165</b>	HHB1018	10"	1/2"	.025"	18	1	<b>\$2.26</b>	<b>\$1.92</b>	
<b>543166</b>	HHB1024	10"	1/2"	.025"	24	1	<b>\$2.26</b>	<b>\$1.92</b>	
<b>543167</b>	HHB1032	10"	1/2"	.025"	32	1	<b>\$2.26</b>	<b>\$1.92</b>	
<b>543168</b>	HHB1218	12"	1/2"	.025"	18	1	<b>\$2.44</b>	<b>\$2.07</b>	
<b>543169</b>	HHB1224	12"	1/2"	.025"	24	1	<b>\$2.44</b>	<b>\$2.07</b>	
<b>543170</b>	HHB1232	12"	1/2"	.025"	32	1	<b>\$2.44</b>	<b>\$2.07</b>	



**Safe-Flex HSS Blade**

**Starrett** Cut faster w/Bi-Metal Unique® ground teeth. Reduced blade fracture & breakage.

Quantity Savings!									
Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price	10 or more	
<b>876620</b>	BS1018	10"	1/2"	.025"	18	1	<b>\$1.66</b>	<b>\$1.42</b>	
<b>876621</b>	BS1024	10"	1/2"	.025"	24	1	<b>\$1.66</b>	<b>\$1.42</b>	
<b>876619</b>	BS1032	10"	1/2"	.025"	32	1	<b>\$1.66</b>	<b>\$1.42</b>	
<b>876622</b>	BS1218	12"	1/2"	.025"	18	1	<b>\$1.66</b>	<b>\$1.42</b>	
<b>876623</b>	BS1224	12"	1/2"	.025"	24	1	<b>\$1.66</b>	<b>\$1.42</b>	
<b>876624</b>	BS1232	12"	1/2"	.025"	32	1	<b>\$1.66</b>	<b>\$1.42</b>	

**High-carbon Steel Blade**



**Vermont American** High-carbon steel blades for general-purpose cutting of most metals.

Quantity Savings!									
Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price	10 or more	
<b>261930</b>	48212	10"	1/2"	.025"	24	1	<b>\$0.72</b>	<b>\$0.61</b>	
<b>261931</b>	48216	12"	1/2"	.025"	18	1	<b>\$0.80</b>	<b>\$0.68</b>	
<b>261932</b>	48217	12"	1/2"	.025"	24	1	<b>\$0.80</b>	<b>\$0.68</b>	
<b>261933</b>	48218	12"	1/2"	.025"	32	1	<b>\$0.80</b>	<b>\$0.68</b>	

**Bi-Metal Hacksaw Blades**

**Stanley** Combines flexibility of carbon steel backs with cutting performance of a high-speed steel cutting edge. Cuts most metals including unhardened tool steel and stainless-steel.

Stk.	Mfr.	Length	TPI	Qty.	Price
<b>850606</b>	20-067	10"	18, (2) 24, 32	4	<b>\$6.77</b>
<b>850607</b>	20-069	12"	18, (2) 24, 32	4	<b>\$6.96</b>

**Bow Saw**



**Great Neck** Tubular steel frame with action-blade tightener release. Chrome-alloy, extra-hard steel bow saw blades.

**Includes** chrome-alloy blade.

Stk.	Mfr.	Blade	Price
<b>281161</b>	BB21	21"L	<b>\$8.89</b>

**Coping Saw**



**Craftsman** Heavy-duty steel frame, hardwood handle. Blade adjusts 360° to saw in any direction. 20 TPI fine cut blade.

Stk.	Mfr.	Blade	Throat	Price
<b>305740</b>	36251	6-1/2"L	6"	<b>\$11.20</b>

**Coping Saws**



**Stanley** Coping saws with blades of high-carbon steel, hardened and tempered. Walnut stained hardwood handles.

Stk.	Mfr.	Blade	Throat	Price
<b>846892</b>	15-104	6-1/2"L	4-3/4"	<b>\$7.50</b>
<b>846896</b>	15-106	6-1/2"L	6-3/4"	<b>\$7.89</b>



#### 4-1/2" Coping Saw

**Nicholson** Coping saws with spring steel rounded edge frames and adjustable angle blade. Wood handle.

Stk.	Mfr.	Blade	Throat	Price
<b>308660</b>	80170	6-1/2"L	4-1/2"	<b>\$11.60</b>



#### 6" Coping Saw

**Great Neck** Coping saw with hardwood handle.

Stk.	Mfr.	Blade	Throat	Price
<b>281151</b>	28	6-1/2"L	6"	<b>\$9.34</b>

#### Coping Saw Blades

**Olson** For precise sawing of wood, plastic, copper and other soft metals. Made from the finest hardened and tempered spring or high-carbon steel with precision punched or milled teeth for accurate sawing, smooth finishes and longer life.

##### Fine

Stk.	Mfr.	Length	TPI	Qty.	Price
<b>613761</b>	30300	6-1/2"	20	4	<b>\$2.51</b>
<b>613752</b>	CP303DZ	6-1/2"	20	12	<b>\$6.19</b>

##### Medium

Stk.	Mfr.	Length	TPI	Qty.	Price
<b>613762</b>	30400	6-1/2"	15	4	<b>\$2.51</b>
<b>613753</b>	CP304DZ	6-1/2"	15	12	<b>\$6.19</b>
<b>613867</b>	CP304-80	6-1/2"	15	80	<b>\$23.40</b>
<b>613865</b>	CP304GR	6-1/2"	15	144	<b>\$42.10</b>

##### Coarse

Stk.	Mfr.	Length	TPI	Qty.	Price
<b>613763</b>	30600	6-1/2"	10	4	<b>\$2.51</b>
<b>613754</b>	CP306DZ	6-1/2"	10	12	<b>\$6.19</b>
<b>613868</b>	CP306-80	6-1/2"	10	80	<b>\$23.40</b>
<b>613866</b>	CP306GR	6-1/2"	10	144	<b>\$42.10</b>

##### Metal-cutting

Stk.	Mfr.	Length	TPI	Qty.	Price
<b>613764</b>	30700	6-1/2"	32	4	<b>\$5.72</b>
<b>613768</b>	CP307DZ	6-1/2"	32	12	<b>\$13.20</b>



#### Jeweler's Saw Frames

**Olson** Perfect for close and accurate sawing, these traditional style jeweler's saws feature blade-tensioning end-screw and frame adjust-

ment. Saw holds plain-end blades (*sold separately*).

Stk.	Mfr.	Blade	Throat	Price
<b>613815</b>	SF63523	2-1/2" to 6"L	3"	<b>\$22.00</b>
<b>613816</b>	SF63525	2-1/2" to 6"L	5"	<b>\$24.00</b>

#### Jeweler's Saw Blades

**Olson** Hardened and tempered steel blades for sawing metal and other hardened materials. Blades have regular teeth. Use w/hand-held frames only.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613790</b>	47500	5"	.019"	.0095"	61	12	<b>\$4.93</b>
<b>613792</b>	47900	5"	.024"	.012"	48	12	<b>\$4.93</b>
<b>613794</b>	48100	5"	.030"	.014"	41	12	<b>\$4.93</b>



#### Cushion Grip Contractor Grade Wallboard Saw

**Stanley** This fully hardened, tempered blade is strong and durable with teeth designed to cut fast and won't clog. Sharp tip allows plunge cuts. Ergonomic, curved handle is cushioned for comfort and extended use.

Stk.	Mfr.	Blade	Price
<b>847355</b>	15-556	6"	<b>\$9.62</b>



#### Wallboard Saw

**Stanley** Designed for plasterboard. Self-starting. Sharpened point for plunge cuts.

Stk.	Mfr.	Blade	Price
<b>847200</b>	15-206	6"	<b>\$7.16</b>



#### Jab Saw

**DEWALT** Aggressive tooth design cuts 50%

faster than comparable saws. Induction-hardened teeth stay sharp longer. For cutting drywall, plastic and other building materials.

Stk.	Mfr.	Blade	Price
<b>243413</b>	DWHT20540	6"	<b>\$13.00</b>



#### FatMax® Jab Saw

**Stanley** Cuts 50% faster than traditional saws.

Cuts on both push and pull strokes, tip punches through drywall. Hardened and tempered blade for durability - stays sharp 3-5x longer. Ergo non-slip grip handle.

Stk.	Mfr.	Blade	Price
<b>850610</b>	20-556	6-1/4"	<b>\$14.50</b>



#### FatMax® Compass Saw

**Stanley** Use for fine finish, plywood and hardwoods. Precise cutting for dovetails, miters

and tenons. Heavy-duty screws secure blade to durable, 1-piece bi-material contoured handle.

Stk.	Mfr.	Blade	TPI	Price
<b>849230</b>	17-205	12"	11	<b>\$15.00</b>



#### Predator® Compass & Keyhole Saw

**Nicholson** For the professional or do-it-yourselfer. Hardened and tempered polished steel blade for long life. Precision set and hardened

teeth for exceptional life. Ground tooth edge. Standard HP tooth.

Stk.	Mfr.	Blade	TPI	Price
<b>314000</b>	NSP9	12"	8	<b>\$16.10</b>



#### SharpTooth™ Heavy-duty Handsaws

**Stanley** Ground-tooth design utilizes 3 cutting surfaces for 50% faster cuts. Induction hard-

ened teeth stay sharper, longer. Hardwood handle with large opening for comfort when wearing gloves. Ideal for cutting plastic, PVC and ABS piping.

Stk.	Mfr.	Blade	TPI	Price
<b>847170</b>	15-087	20"	9	<b>\$29.60</b>
<b>850605</b>	20-065	26"	12	<b>\$32.70</b>



#### ToughCoat™ Handsaw

**DEWALT** ToughCoat™ low-friction, long-lasting coating for less drag. Induction-hardened

teeth provide 3 cutting surfaces for 50% faster cuts than traditional saws.

Stk.	Mfr.	Blade	TPI	Price
<b>243416</b>	DWHT20544	15"	8	<b>\$24.40</b>
<b>243415</b>	DWHT20545	20"	8	<b>\$25.70</b>

**Handsaws**



**Great Neck** High-carbon steel blade. Precision set teeth. Carved select hardwood handle designed for superior cutting angle.

Stk.	Mfr.	Blade	TPI	Price
<b>281168</b>	C20	20"	10	<b>\$12.70</b>
<b>281169</b>	C26S	26"	8	<b>\$20.40</b>



**Professional Standard Tooth Handsaw**

**Nicholson** Precision set teeth for smooth cuts.

Hardened and tempered polished steel blade with resharpenable teeth for long life.

Stk.	Mfr.	Blade	TPI	Price
<b>314009</b>	NS1503	20"	8	<b>\$16.50</b>

Handle features 40°/90° shape for marking angles.

Stk.	Mfr.	Blade	TPI	Price
<b>314013</b>	NS1502	24"	12	<b>\$18.30</b>



**Non-slip Grip Handsaws**

**Pony** Fineline technology provides 3 diamond ground cutting edges. Comfortable non-slip grip for extra sawing power, and allows 45° and 90°

markings. Induction-hardened teeth provide 5x longer cutting life. Cuts on both pull and push stroke for fastest possible cut. Use for wood, MDF and plasterboard requiring coarse cuts.

Stk.	Mfr.	Blade	TPI	Price
<b>193200</b>	66151	15"	7	<b>\$15.10</b>
<b>193202</b>	66221	22"	7	<b>\$18.30</b>
<b>193203</b>	66222	22"	11	<b>\$20.00</b>



**Professional SharpTooth™ Handsaws**

**Stanley** Aggressive tooth design cuts 50% faster than conventional saws. Ideal for cutting

plastic, PVC and ABS piping. Resharpenable teeth. Extra-wide select hardwood handle for comfort and control.

Stk.	Mfr.	Blade	TPI	Price
<b>847234</b>	15-334	15"	9	<b>\$19.30</b>
<b>847236</b>	15-335	20"	9	<b>\$24.70</b>



**SharpTooth™ Mini Utility Saw**

**Stanley** Multi-purpose saw cuts plastic pipe, laminate and all wood types. Ergo hardwood

handle, induction-hardened teeth. Aggressive 3-sided tooth design for faster cuts.

Stk.	Mfr.	Blade	TPI	Price
<b>850608</b>	20-221	10"	12	<b>\$16.20</b>



**FatMax® Handsaw**

**Stanley** 20% thicker blade for straighter cuts and reduced binding. This saw cuts 50% faster

and its induction-hardened teeth stay sharp 3-5 times longer than conventional saws. 65% thicker handle for ultimate grip and comfort. Ergonomic non-slip, rubber handle grip for extended use. Ideal for cutting all types of wood & plastic.

Stk.	Mfr.	Blade	TPI	Price
<b>850600</b>	20-045	15"	9	<b>\$20.10</b>



**Course Cut Handsaw**

**Irwin** M2™ Tooth Technology and Tri-Ground™ teeth provide a fast, efficient cut.

Deep Gullets™ rapidly remove chips. Extra-fine, 12 pt. Easy-Start™ front teeth provide a fast, smooth start. Thick-Body™ blade delivers rigidity and control. Tapered-Pitch™ nose improves clearance and stability. Hardwood handle.

Stk.	Mfr.	Blade	TPI	Price
<b>619206</b>	2011102	15"	9	<b>\$17.40</b>



**FatMax® Backsaw**

**Stanley** Use for fine finish, plywood and hardwoods. Precise cutting for dovetails, miters and tenons. Heavy-duty screws secure blade to durable, 1-piece bi-material contoured handle.

Stk.	Mfr.	Blade	TPI	Price
<b>849228</b>	17-202	14"	13	<b>\$17.40</b>



**Mitre Backsaw**

**Great Neck** Made of spring steel with reinforced back and hardwood handle. Ground tooth with beveled edge.

Stk.	Mfr.	Blade	TPI	Price
<b>281162</b>	MM14	14"	12	<b>\$14.90</b>



**Plastic Handle Backsaw**

**Great Neck** Spring steel blade saw with high impact ABS handle. 3" depth under reinforced back.

Stk.	Mfr.	Blade	TPI	Price
<b>281167</b>	PM14	14"	12	<b>\$10.20</b>



**ProTouch™ Dovetail/ Jamb Saw**

**Irwin** 2" Wide-Body™, reversible Flush-Cut™ blade. Spring-loaded pin enables blade to reverse for left or right cutting. Ergonomic ProTouch™ handle.

Stk.	Mfr.	Blade	TPI	Price
<b>619205</b>	2014450	10"	14	<b>\$14.90</b>



**FatMax® Reversible Flush-cut Saw**

**Stanley** 3"W flush-cut blade for fine wood-working. Precisely cut dovetails and small joints.

Spring-loaded pin allows blade reversal for R or L cutting. Steel back prevents bowing for true straight cuts. Ergonomic cushion-grip handle.

Stk.	Mfr.	Blade	TPI	Price
<b>847208</b>	15-252K	10"	15	<b>\$24.40</b>



**Flexible Blade Razor Saw**

**Zona** Slice through dowels, pegs and plugs

that are cut off flush without marring work surface. Flexible blade saw teeth have no set. Cuts on the pull stroke and can be used for cutting through tenons and excess trim in joinery and in hard-to-reach spots.

Stk.	Mfr.	Blade	TPI	Price
<b>613845</b>	35-400	6-1/2"	16	<b>\$12.90</b>



**Ultra Thin Razor Saws**

**Zona** Ultra-thin blade for super fine cuts in

wood, soft metals and plastic without splitting or ragged edges. Shorter cutting depth and steel back for blade stability.

Stk.	Mfr.	Blade	TPI	Thickness	Price
<b>613841</b>	35-150	4-1/2"	42	.008"	<b>\$7.70</b>
<b>613839</b>	35-050	4-1/2"	52	.008"	<b>\$8.27</b>





#### 4-in-1 Razor Saw Set

**Zona** Four interchangeable blade set is great for modelers and craft makers for fine cutting of soft and hard wood, soft metals, plastics,

brass and copper without splitting or ragged edges. Saws have shorter cutting depth plus steel backs for greater blade stability.

Razor Saw 5-1/2" blade, 32 TPI, .010"T

Razor Saw 4-1/2" blade, 52 TPI, .008"T

Saber Saw 4-1/2" blade, 24 TPI, .022"T

Keyhole (push) 2-1/4" blade, 24 TPI, .022"T

Stk.	Mfr.	Price
<b>613840</b>	35-140	<b>\$12.70</b>



#### Double Edge Pull Saw

**Irwin** Flexible fine-cut saw for cabinet work,

flush cutting (dowels), mitering, stair systems and undercuts. Japanese back-saw for ripping or crosscutting with pull-to-cut method for cleaner cuts, better control and less fatigue.

Stk.	Mfr.	Blade	TPI	Price
<b>619210</b>	213103	9-1/2"	7 & 17	<b>\$26.90</b>



#### Razor Saw & Aluminum Miter Box Set

**Zona** Great for model and miniature making. Use for smooth, extra-fine cuts in balsa and other wood, plastic, copper or brass.

Stk.	Mfr.	Item	Blade	TPI	Thickness	Price
<b>613842</b>	35-550	Saw	6-1/2"	42	.010"	<b>\$8.80</b>
<b>613846</b>	37-240	Miter Box				<b>\$19.10</b>
<b>613843</b>	35-241	Saw & Miter Box				<b>\$24.00</b>



#### Contractor Grade Clamping Miter Box

**Stanley** Simple angle adjustment allows cuts from any angle in all applications. Quick, simple cam clamp secures work. Ergonomic non-slip grip provides maximum comfort.

Stk.	Mfr.	Item	TPI	Price
<b>850615</b>	20-800			<b>\$62.00</b>
<b>850616</b>	20-809	Replacement Blade	14	<b>\$15.80</b>

## CUTTING TOOLS & KNIVES



#### Hi-Vis Utility Knife

**Craftsman**

Highly-visible, all metal construction knife with double overlap nose for safety. 3-position retractable blade.

**Includes** 3 blades.

Stk.	Mfr.	Color	Qty.	Price
<b>305820</b>	94856	Orange	1	<b>\$5.62</b>



#### Fixed Blade Utility Knife

**Stanley** Lightweight, fixed-back aluminum handle is in 2 sections and provides blade storage.

**Includes** 3 regular-duty blades.

Stk.	Mfr.	Handle	Price
<b>845154</b>	10-299	5-1/2"L	<b>\$4.79</b>



#### Folding Utility Knife

**Irwin** Unique knife features a pivot point for safely folding the blade into the handle, quick-change button, extended thumb ledge, wire stripper notch and anchored belt clip.

**Includes** bi-metal blade.

Stk.	Mfr.	Handle	Price
<b>619486</b>	2089100	3-1/2"L	<b>\$15.70</b>



#### No. 82 Retractable Utility Knives

**Lutz** Highly-visible, industrial-quality utility knife with die-cast zinc retractor for smoother operation in all 3 cutting positions. Nose overlap on top and bottom for safety. Safe, reliable, comfortable grip. In-handle blade storage.

**Includes** 3 heavy-duty .025 blades.

Stk.	Mfr.	Handle	Color	Price
<b>511301</b>	30082	6"L	Black	<b>\$6.45</b>
<b>511302</b>	30182	6"L	Orange	<b>\$6.45</b>
<b>511315</b>	30282	6"L	Yellow	<b>\$6.45</b>
<b>511317</b>	30482	6"L	Green	<b>\$6.45</b>
<b>511319</b>	30582	6"L	Red	<b>\$6.45</b>
<b>511321</b>	30682	6"L	Blue	<b>\$6.45</b>



#### Classic 99® Retractable Utility Knife

**Stanley** Button projects and retracts blade to full, 1/2 and 1/4 out. Lightweight aluminum

handle is in 2 sections and provides blade storage.

**Includes** 3 heavy-duty blades.

Stk.	Mfr.	Handle	Price
<b>845020</b>	10-099	6"L	<b>\$6.84</b>



#### Zinc Pro Retractable Utility Knife

**Master Mechanic** Heavy-duty knife accepts all utility blades. Zinc body with blade storage.

Overlap protective nose. 3 blade positions.

**Includes** 2 blades.

Stk.	Mfr.	Handle	Price
<b>943156</b>	704496	6"L	<b>\$4.65</b>



#### Interlock® Retractable Utility Knife

**Stanley** Secures retractable blades between knife halves. Blade-storage handle.

**Includes** 3 heavy-duty blades.

Stk.	Mfr.	Handle	Price
<b>845010</b>	10-079	5-5/8"L	<b>\$7.39</b>



#### Self-retracting Utility Knife

**Stanley** Spring-loaded blade, retracting slide button. Safety orange case. Round point blade

reduces accidental cuts and damage. Interlock nose secures blade safely between knife halves. 2 cutting depth adjustments. Contoured, no-slip handle.

**Includes** round point blade.

Stk.	Mfr.	Handle	Price
<b>845075</b>	10-189C	5-5/8"L	<b>\$8.97</b>



#### 357 Quick Change Heavy-duty Knife

**Lutz** No tools needed to change blades. Case is made of tough zinc die-cast.

**Includes** 3 blades & holster.

Stk.	Mfr.	Handle	Color	Price
<b>511325</b>	35701	7"L	Yellow	<b>\$11.70</b>



**Instant Change™ Knife**

**Stanley** Strong, durable cast metal core with bi-material soft panels for a sure grip. Tool-free, push-button blade changes. Curved handle for

comfort, control and balance with padded thumb rest. Easy-access, swing-out blade storage. Integrated string cutter and retractable slide. Large hang hole.

**Includes** 3 blades.

Stk.	Mfr.	Handle	Price
<b>845170</b>	10-788	6-1/2"L	<b>\$12.80</b>



**Folding Retractable Knife**

**DEWALT** Rugged metal knife folds for quick and easy 1-hand open/close. Variable-cut-depth retracting blade. Rapid-load access button speeds blade changes from on-board storage.

**Includes** 3 blades.

Stk.	Mfr.	Handle	Price
<b>243407</b>	DWHT10035L	6-3/8"L	<b>\$14.00</b>



**ProTouch™ Retractable Utility Knife**

**Irwin** Quick change blade mechanism. Trigger grip for cutting on the pull. Hinged blade storage for up to 10 blades.

**Includes** 3 Blue Blade™ bi-metal blades.

Stk.	Mfr.	Handle	Price
<b>619529</b>	1774106	6-3/4"L	<b>\$16.10</b>



**SpeedFeed™ Heavy-Duty Snap-off Knife**

**Great Neck** For cutting tile, rope, cardboard, linoleum, wire, tape, plastics, nylon and more.

End of blade snaps off easily to provide a new cutting edge each time. Rubberized ergonomic grip.

**Includes** 6 heavy-duty snap-off blades (5 stored in the handle).

Stk.	Mfr.	Item	Handle	Qty.	Price
<b>281250</b>	80026		6-1/2"L		<b>\$7.20</b>
<b>281156</b>	5BLBK	Replacement Blades		5	<b>\$2.94</b>



**SpeedFeed™ Light-Duty Snap-off Knife**

**Great Neck** For light-duty cutting of paper, leather, vinyl. Snap-off blade provides a new cutting edge each time.

**Includes** snap-off blade.

Stk.	Mfr.	Item	Handle	Qty.	Price
<b>281155</b>	SBK		5"L		<b>\$2.24</b>
<b>281157</b>	5BSBK	Replacement Blades		5	<b>\$2.52</b>



**Heavy-duty Utility Knife Blades**

**DEWALT** Precision-ground geometry & induction-hardening gives a 35% sharper, 75% longer cutting edge. Heat-treated blades are 20% stronger. Fits all .025 knives & window scrapers.

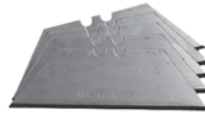
Stk.	Mfr.	Qty.	Price
<b>243408</b>	DWHT11004	75	<b>\$15.80</b>



**Heavy-duty Utility Knife & Scraper Blades**

**Master Mechanic** Fits all .025 Retractable Utility Knives and Window Blade Scrapers.

Stk.	Mfr.	Qty.	Price
<b>942848</b>	704512	5	<b>\$1.95</b>
<b>942850</b>	704583	100	<b>\$17.10</b>



**Utility Knife & Scraper Blades**

**Lutz** Heavy-duty .025 gauge blade.

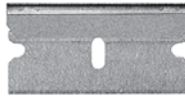
Stk.	Mfr.	Qty.	Price
<b>511312</b>	30092	5	<b>\$1.06</b>



**Bi-Metal Utility Knife Blades**

**Irwin** Strong Blue Blade edges stay sharper 3x longer than carbon blades.

Stk.	Mfr.	Qty.	Price
<b>619531</b>	2084100	5	<b>\$2.83</b>
<b>619532</b>	2084400	100 w/Dispenser	<b>\$34.00</b>



**Single Edge Razor Blades**

**Master Mechanic** Fits all standard razor blade tools. Made of high-carbon surgical steel. Each blade is protected in shelling paper.

Stk.	Mfr.	Qty.	Price
<b>943279</b>	741330	10	<b>\$2.21</b>
<b>942846</b>	521013	100	<b>\$8.55</b>



**Miter Trimmer**

**Robert Larson** Make perfect miter cuts on stock up to 4" and when squaring stock up to 6". Both right and left cuts can be made at angles between 45° and 90°. The ground base surface and 2 razor sharp knives offer controlled shaving and leave a glass smooth finish in the stock.

Stk.	Mfr.	Price
<b>768878</b>	800-3500	<b>\$404.00</b>



**Glass Cutter**

**General** Cut straight and curved edges in

glass. Steel wheel with honed angle of 120° for cutting single and double strength glass. Cuts plate glass from 1/8" to 1/4" thick. Ball end handle for snapping of scored glass. Tooth design to remove rough edges.

Stk.	Mfr.	Length	Price
<b>419820</b>	8501	5"	<b>\$4.03</b>



**Acrylic Cutter**

**Fletcher-Terry** Double-edged cutter with 2 tips for normal or extra-pressure scoring of acrylics. Plastic handle.

Stk.	Mfr.	Length	Price
<b>943250</b>	05-111C	9-1/2"	<b>\$6.58</b>



**Linoleum Flooring Knife**

**Stanley** For cutting and trimming vinyl or linoleum floor covering, roofing and similar material. Taper-ground cutlery steel blade permanently fastened to comfortable, hardwood handle.

Stk.	Mfr.	Handle	Price
<b>845160</b>	10-509	4-1/2"L	<b>\$5.78</b>



**Sloyd Knife**

**CS Osborne** For wood carving and general purpose work. Knife has extra sharp high-carbon steel blade with hardwood handle.

Stk.	Mfr.	Blade	Price
<b>614220</b>	6	2-3/4"	<b>\$8.10</b>

# SCRAPERS & PUTTY KNIVES

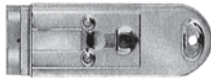
## Utility & Window Blade Scraper



**Stanley** Quickly and easily scrape paint from windows, mirrors, tiles, and other flat surfaces with this uniquely designed polypropylene molded scraper.

**Includes** 1 blade.

Stk.	Mfr.	Length	Price
<b>851900</b>	28-593	7"	<b>\$4.06</b>



## Razor Blade Paint Scraper

**Stanley** Remove paint, glue, putty or adhesives from glass, tile, walls, floors and more. Blade retracts for easy storage. Accepts standard single edge razor blades.

**Includes** 5 blades.

Stk.	Mfr.	Length	Price
<b>851870</b>	28-500	4"	<b>\$3.29</b>



## Glass Scraper

**Master Painter** Steel safety glass scraper with retractable blade for light-duty scraping jobs.

**Includes** 5 blades.

Stk.	Mfr.	Price
<b>943162</b>	GS	<b>\$1.92</b>



## Polypropylene Handle Steel Blade Putty Knives

**Master Painter** Rust resistant spring steel blade for easy spreading. Polypropylene handle resists solvents of easy cleanup.

Stk.	Mfr.	Blade	Price
<b>943295</b>	10510	1-1/4"W Flexible	<b>\$4.16</b>
<b>943293</b>	182	1-1/4"W Flexible	<b>\$2.24</b>
<b>943297</b>	10512	3"W Flexible	<b>\$5.11</b>
<b>943296</b>	10511	1-1/4"W Stiff	<b>\$4.16</b>
<b>943294</b>	180	1-1/4"W Stiff	<b>\$2.29</b>
<b>943298</b>	10513	3"W Stiff	<b>\$5.11</b>



## Polyethylene Handle Steel Blade Putty Knife

**Marshalltown** Heat-treated blade is hardened, tempered and annealed for even hardness. Full tang through the handle. Black, chemical/solvent-resistant polyethylene handle.

Stk.	Mfr.	Blade	Price
<b>528351</b>	M5122	1-1/4"W Chisel	<b>\$4.83</b>



## Wood Handle Putty Knives

**Stanley** Steel blade is hardened, tempered and polished. Full tang blade permanently fastened to hardwood handle.

Stk.	Mfr.	Blade	Price
<b>851880</b>	28-540	1-1/4"W Flexible	<b>\$6.24</b>
<b>851881</b>	28-541	1-1/4"W Stiff	<b>\$6.40</b>
<b>851883</b>	28-543	3"W Stiff	<b>\$9.73</b>



## Nylon Handle Steel Blade Putty Knives

**Stanley** Steel blade hardened, tempered and polished. Full tang blade permanently fastened to shatter-proof handle. Available with stiff blade or full flexible taper ground blade.

Stk.	Mfr.	Blade	Price
<b>851519</b>	28-140	1-1/4"W Stiff	<b>\$6.84</b>
<b>851586</b>	28-240	1-1/4"W Flexible	<b>\$7.07</b>



## Plastic Blade Putty Knives

**Linzer** White plastic putty knife with beveled edge.

Stk.	Mfr.	Blade	Price
<b>504040</b>	7150	1-1/2"W Flexible	<b>\$0.82</b>
<b>504041</b>	7200	2"W Flexible	<b>\$1.48</b>
<b>504042</b>	7300	3"W Flexible	<b>\$1.67</b>



## Cabinet Scraper

**Kunz** Use for final cleaning and finishing of most hardwoods (especially cross-grained or curly-grained wood). Tough high-carbon steel blade with a 90° edge angle. Body of fine, gray cast iron, with epoxy coating for durability. Finely ground 3-3/8"W base.

Stk.	Mfr.	Blade	Price
<b>768856</b>	580-2000	2-3/4"W	<b>\$56.70</b>

## Replacement Blade

<b>768857</b>	580-2005	2-3/4"W	<b>\$10.30</b>
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## 768840 768842 768843 Cabinet Scraper Blades



## Cabinet Scraper Blades

**Two Cherries** Steel scrapers ideal for refinishers.

Stk.	Mfr.	Size	Price
<b>768840</b>	520-5005	0.6mm Rectangle	<b>\$7.94</b>
<b>768841</b>	520-5010	0.8mm Rectangle	<b>\$7.50</b>
<b>768842</b>	520-5060	0.7mm Curved	<b>\$9.64</b>
<b>768843</b>	520-5070	0.7mm Gooseneck	<b>\$12.30</b>

**3-Piece Set Includes** 0.8mm rectangle, curved & gooseneck.

Stk.	Mfr.	Size	Price
<b>768844</b>	520-5510		<b>\$26.40</b>



## Square Cabinet Scraper Set

**Pax** Made of high carbon Sheffield steel for applying smooth finishes to wood.

**Includes** 4"x 2", 5"x 2-1/2" & 6"x 3" rectangular scrapers.

Stk.	Mfr.	Price
<b>193613</b>	410026	<b>\$23.80</b>



## Four-Edge Hand Scrapers

**Master Painter** Carbon steel blade. Soft-grip handle.

Stk.	Mfr.	Item	Blade	Qty.	Price
<b>943304</b>	FE2	Scraper	1-1/2"L		<b>\$5.29</b>
<b>943305</b>	22B	Replacement Blade	1-1/2"L	2/pkg.	<b>\$2.98</b>
<b>943170</b>	F4	Scraper	2-1/2"L		<b>\$7.13</b>
<b>943171</b>	42B	Replacement Blade	2-1/2"L	2/pkg.	<b>\$3.88</b>



## Bent Pole Scraper

**Master Painter** High-carbon steel blade is bent to help reach high surfaces. Black, solvent-resistant, ergo-grip handle. Fits any standard threaded broom handle or extension pole.

Stk.	Mfr.	Blade	Price
<b>943173</b>	10737	3"W	<b>\$10.30</b>



**Triangular Scraper**

**Marshalltown** High-quality detail scraper for molding contours, carved woodwork, cracks and seams. 9" balanced handle.

Stk.	Mfr.	Blade	Qty.	Price
<b>528345</b>	E1241	2-1/4"W	1	<b>\$11.50</b>

**Replacement Blade**

Stk.	Mfr.	Blade	Qty.	Price
<b>528343</b>	E1242	2-1/4"W	1	<b>\$4.93</b>



**Glue Scraper**

**Robert Larson** Quickly clean up glue joints with this heavy-duty, high-quality steel blade scraper.

Stk.	Mfr.	Blade	Qty.	Price
<b>768859</b>	580-2175	2-3/8"W	1	<b>\$56.70</b>

**Replacement Blade**

Stk.	Mfr.	Blade	Qty.	Price
<b>768860</b>	580-2176	2-3/8"W	1	<b>\$14.70</b>

**SCREWDRIVERS**



**Spiral Ratchet Screwdriver**

**Robert Larson** This "must-have" tool will quickly drive and remove screws. Set the spiral ratchet mechanism for clockwise or counter-clockwise rotation, or lock it in place for extra turning power. Accepts standard 1/4" insert bits.

Stk.	Mfr.	Length	Price
<b>768855</b>	538-1335	13-1/4"	<b>\$82.10</b>



**Screw Hole Punch**

**Stanley** Nickel-plated screw hole punch with 3/8" face dia. Use for self-centering hinges, catches, etc.

Stk.	Mfr.	Length	Price
<b>859138</b>	58-013	3"	<b>\$5.69</b>



**Magnetic Brad & Nail Driver**

**Great Neck** Solid wood handle and spring action shaft drives finishing nails up to 1-1/2"L without marring surface. Chrome plated with wood handle.

Stk.	Mfr.	Length	Price
<b>281138</b>	BD1	5-1/4"	<b>\$5.72</b>



**Screw Hole Starter**

**Great Neck** Mark, start and thread the hole for a screw to enter. Tool's point bites fast and clean. Large plastic handle.

Stk.	Mfr.	Dia.	Length	Price
<b>281186</b>	SS3	1/4"	5-3/4"	<b>\$4.59</b>



**Offset Screwdrivers**

**Great Neck** Steel chrome plated with knurled grip.

Stk.	Mfr.	Item	Price
<b>281018</b>	OSR2C	#1 & #2 Phillips	<b>\$2.64</b>
<b>281019</b>	OS2C	#2 & 1/4" Combination	<b>\$2.64</b>



**100 Plus® Phillips Screwdrivers**

**Stanley** Tempered, polished steel blades. Comfortable, full grip plastic handles have deep flutes.

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
<b>860363</b>	64-100	1/8"	2-3/4"	0	5"	<b>\$4.47</b>
<b>860430</b>	64-101	3/16"	3"	1	6"	<b>\$5.00</b>
<b>860698</b>	64-105	1/4"	1-1/2"	2	3-5/8"	<b>\$5.64</b>
<b>860497</b>	64-102	1/4"	4"	2	7-3/4"	<b>\$6.12</b>
<b>860564</b>	64-103	5/16"	6"	3	10-1/2"	<b>\$8.47</b>
<b>860631</b>	64-104	3/8"	8"	4	13"	<b>\$11.00</b>

**5-Piece Set Includes** #1 x 3", two #2 (1-1/2" & 4"), #3 x 6", #4 x 8" & pouch.

<b>862160</b>	66-156					<b>\$28.90</b>
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**Standard Fluted Phillips Screwdriver**

**Stanley** Ergonomic handle for comfortable grip. Alloy steel nickel-protected blades for long life. Hardened tips for slip-resistant fit.

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
<b>859487</b>	60-001	3/16"	4"	1	7-5/8"	<b>\$1.98</b>
<b>859488</b>	60-002	1/4"	4"	2	7-5/8"	<b>\$1.98</b>



**Dual Material Phillips Screwdrivers**

**Crescent** Dual material handle improves comfort. Chrome plated blade with black oxide blasted tip reduces slippage.

Stk.	Mfr.	Blade Length	Tip	Price
<b>308283</b>	CSDP34V	4"	1	<b>\$4.33</b>
<b>308284</b>	CSDP44V	4"	2	<b>\$4.93</b>
<b>308285</b>	CSDP56V	6"	3	<b>\$7.33</b>



**Phillips Screwdrivers**

**Great Neck** Nickel plated, high carbon steel blade with top quality extruded shock resistant handle and precision ground tip.

Stk.	Mfr.	Blade Length	Tip	Price
<b>281216</b>	GOPC	2-1/2"	0	<b>\$2.76</b>
<b>281217</b>	GR33C	3"	1	<b>\$3.57</b>
<b>281218</b>	GR22C	1-1/2"	2	<b>\$3.11</b>
<b>281219</b>	GR44C	4"	2	<b>\$3.80</b>
<b>281220</b>	GR66C	6"	3	<b>\$7.70</b>



**Code Blue® Phillips Screwdrivers**

**CHAN NEL LOCK** Magnetic-tip screwdriver with strong Go-Thru steel blade. High-torque, 3-sided Code Blue® comfort grip. Laser-etched, easy-read steel cap.

Stk.	Mfr.	Blade Length	Tip	Overall Length	Price
<b>301364</b>	P104CB	4"	1	8-1/2"	<b>\$4.70</b>
<b>301365</b>	P204CB	4"	2	8-3/4"	<b>\$4.70</b>
<b>301366</b>	P306CB	6"	3	11"	<b>\$6.74</b>



**Vinyl Grip Phillips**

**Stanley** Full vinyl grip handle. Chrome-plated alloy-steel blade is corrosion resistant. Precision-machined black oxide tip for a precise fit.

Stk.	Mfr.	Blade Length	Tip	Overall Length	Price
<b>860990</b>	65-901	3"	1	6-3/4"	<b>\$6.58</b>
<b>860991</b>	65-902	4"	2	6-5/16"	<b>\$7.48</b>
<b>860992</b>	65-903	6"	3	10-3/16"	<b>\$11.40</b>



### 6-Piece Phillips Screwdriver Set

**Craftsman** Heat treated, alloy tool steel blades with clear plastic grip handles which resist corrosion for long-lasting use.

**Includes** #0 x 2-1/2", #1 x 3", #2 x 1-1/2", #2 x 4", #3 x 6" & #4 x 8".

Stk.	Mfr.	Price
305580	1193	\$24.60



### Square Shaft Standard Screwdrivers

**Crescent** Dual material handle improves comfort. Square chrome-plated shaft with black oxide blasted tip reduces slippage.

Stk.	Mfr.	Blade Dia.	Blade Length	Price
308286	CSDS44V	1/4"	4"	\$6.21
308287	CSDS56V	5/16"	6"	\$8.61



### 3/16" Cabinet Tip

**Stanley** Light blade. Bolster-reinforced construction. Comfortable, full grip plastic handles have deep flutes.

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
863177	66-183	3/16"	3"	3/16"	6-5/8"	\$4.25
863244	66-186	3/16"	6"	3/16"	9-1/2"	\$4.58
863311	66-188	3/16"	8"	3/16"	11-1/2"	\$5.64
863043	66-180	3/16"	10"	3/16"	13-3/4"	\$6.51
863110	66-182	3/16"	12"	3/16"	15-5/8"	\$8.01



### Square Blade Standard Tip Screwdrivers

**Stanley** Bolster-reinforced construction. Comfortable, full grip. Plastic handles have deep flutes.

Stk.	Mfr.	Blade Dia.	Blade Length	Overall Length	Price
862842	66-174	1/4"	4"	8-3/4"	\$7.53
862909	66-176	5/16"	5"	11"	\$10.10
862976	66-178	3/8"	8"	13-1/4"	\$12.20



### Standard Screwdrivers

**Stanley** Ergonomically designed handle with slip-resistant textured grip for a comfortable hold. Heat-treated alloy steel bars hold up to repeated use. Nickel-plated bar resists corrosion.

#### Cabinet Tip

Stk.	Mfr.	Blade Dia.	Blade Length	Price
859489	60-003	3/16"	3"	\$2.50
859492	60-005	3/16"	6"	\$2.50

#### Fluted Blade

Stk.	Mfr.	Blade Dia.	Blade Length	Price
859491	60-004	1/4"	4"	\$2.50
859493	60-006	1/4"	6"	\$2.50



### Slotted Screwdrivers

**Great Neck** Nickel plated, high carbon steel blade with precision ground tip. Top quality extruded shock resistant handle.

Stk.	Mfr.	Blade Length	Tip	Price
281211	G10C	3"	1/8"	\$2.88
281212	G43C	4"	3/16"	\$3.60
281213	G44C	4"	1/4"	\$4.08
281214	G66C	6"	5/16"	\$6.56
281215	G88C	8"	3/8"	\$7.82



### Magnetic Tip Standard Screwdrivers

**CHAN NEL LOCK**

Strong Go-Thru steel blade with magnetic tip. High-torque, 3-sided Code Blue® comfort grip. Laser-etched, easy-read steel cap.

Stk.	Mfr.	Blade Dia.	Blade Length	Overall Length	Price
301370	S144CB	1/4"	4"	8-1/2"	\$4.70
301371	S366CB	3/16"	6"	10-1/4"	\$4.70
301372	S388CB	3/8"	8"	13"	\$6.74



### Vinyl Grip Round Blade Standard Tip Screwdriver

**Stanley** Full-size vinyl grip handle. Alloy steel blade is chrome-plated for corrosion resistance. Tips fully cross ground for more secure fit.

Stk.	Mfr.	Blade Dia.	Blade Length	Overall Length	Price
863565	66-088	1/4"	1-1/2"	3-5/8"	\$6.79
863566	66-089	7/32"	3"	6-3/4"	\$8.28
863567	66-090	1/4"	4"	8-1/4"	\$8.86
863568	66-091	5/16"	6"	11"	\$9.76
863569	66-092	3/8"	8"	13-5/8"	\$11.70



### 100 Plus® Standard Screwdrivers

**Stanley** Acetate handle stands up to heavy-duty use. Alloy steel blade withstands repeated usage. Precision-ground tip ensures a secure fit. Chrome-plated to resist corrosion.

Stk.	Mfr.	Blade Dia.	Blade Length	Overall Length	Price
862373	66-163	7/32"	3"	6-3/4"	\$6.72
862239	66-161	1/4"	1-1/2"	3-1/2"	\$5.43
862440	66-164	1/4"	4"	8-1/4"	\$6.61
862574	66-166	5/16"	6"	11"	\$7.82
862641	66-168	3/8"	8"	13-1/4"	\$10.10
862172	66-160	7/16"	10"	15-1/4"	\$12.90
862306	66-162	7/16"	12"	17-1/4"	\$15.20

**7-Piece Set Includes** 1/4" x 1-1/2", 7/32" x 3", 1/4" x 4", 5/16" x 6", 3/8" x 8", 10" & 12".

Stk.	Mfr.	Price
862162	66-157	\$55.10



### Vinyl Grip Combination Screwdriver Set

**Stanley** Maximum comfort, full-size, vinyl grip handles. Long-lasting alloy steel blades are chrome-plated to resist corrosion.

**Includes** 2 slotted (4" & 6"), 2 cabinet (3" & 6") & 2 Phillips (#'s 1 & 2).

Stk.	Mfr.	Price
863530	66-565	\$23.80



### 7-Piece Combination Screwdriver Set

**Klein**

**Includes** 2 Phillips (#1 x 6-5/8", #2 x 8-1/2"), 2 square shank slotted (1/4" x 4", 5/16" x 6"), 3 cabinet-tip (1/8" x 3", 4", 6") & pouch.

Stk.	Mfr.	Price
945600	85276	\$61.50



### 9-Piece Combination Screwdriver Set

**Great Neck** Professional-grade, shock-resistant handles. Chrome vanadium steel blades. Precision-ground, sand-blasted tips.

**Includes** 4 Phillips (#0 x 3", #1 x 3", #2 x 4", #2 x 1-1/2"), 3 slotted (1/8" x 3", 3/16" x 4", 1/4" x 4"), 1/4" x 1-1/2" offset (Phillips/slotted).

Stk.	Mfr.	Price
281153	A8K	\$20.20



### Combination Screwdriver Sets

**Crescent** Dual-material handle improves comfort. Chrome-plated blade with black oxide blasted tip reduces slippage.

**4-Piece Includes** Phillips (#1 x 4", #2 x 4") & slotted (1/4" x 4", 3/16" x 3").

Stk.	Mfr.	Price
<b>308280</b>	CSD4PC	<b>\$15.70</b>

**6-Piece Includes** Phillips (#1 x 4", #2 x 4") & slotted (1/4" x 4", 1/4" x 6", 3/16" x 3", 3/16" x 6").

Stk.	Mfr.	Price
<b>308281</b>	CSD6	<b>\$22.00</b>

**10-Piece Includes** Phillips (#0 x 2", #1 x 4", #2 x 1-1/4", #2 x 4") & slotted (1/8" x 2", 1/4" x 1-1/4", 1/4" x 4", 1/4" x 6", 3/16" x 3", 3/16" x 6").

Stk.	Mfr.	Price
<b>308282</b>	CSD10	<b>\$30.90</b>



### SureGrip® Combination Screwdriver Set

**S-K** Comfortable square handles give you a secure grip even with greasy hands. And the vapor blasted tips grip fasteners effectively. Hex bolster on many screwdrivers lets you generate easy turning power with a wrench. Nickel chrome plated for corrosion resistance.

**6-Piece Includes** 1/8" x 3", 3/16" x 4", 1/4" x 4", Phillips #0 x 3", #1 x 4" & #2 x 4".

Stk.	Mfr.	Price
<b>831579</b>	86320	<b>\$52.00</b>

**9-Piece Includes** 1/4" x 2-1/4", 1/4" x 4", 5/16" x 6", 3/8" x 8", 3/8" x 12", Phillips #0 x 3", #1 x 4", #2 x 2-1/4", #2 x 4" & tray.

Stk.	Mfr.	Price
<b>831562</b>	86006	<b>\$118.00</b>



### Magnetic Combination Screwdriver Sets

**DEWALT** Magnetic, precision sand-blasted tips provide excellent fit in fasteners. Soft-grip handles for maximum torque and comfort.

**4-Piece Includes** 1/4" x 4" slotted, 3/16" x 4" cabinet tip & 2 Phillips (#1 x 3", #2 x 4").

Stk.	Mfr.	Price
<b>243411</b>	DWHT62512	<b>\$13.00</b>

**10-Piece Includes** 4 slotted (1/8" x 3", 3/16" x 4", 1/4" x 4" & 1/4" x 1-1/2" stubby), 3/16" x 6" cabinet tip & 5 Phillips (0 x 2-1/4", #1 x 3", #2 x 4", #2 x 6" & #2 x 1-1/2" stubby).

Stk.	Mfr.	Price
<b>243412</b>	DWHT62513	<b>\$27.20</b>

### 8-Piece 100 Plus® Combination Screwdriver Set

**Stanley** Cold-formed, black oxide Phillips tips provide high torque, corrosion resistance. Precision-ground tip ensures a secure fit. Durable alloy steel blade withstands repeated usage. Chrome-plated to resist corrosion. Easy-to-clean acetate handle stands up to heavy-duty use.

**Includes** 4 slotted (1/4" x 4", 5/16" x 6", 3/8" x 8" & 1/4" x 1-1/2" stubby) & 4 Phillips (#1 x 3", #2 x 4", #3 x 6" & 2 pt x 1-1/2" stubby).

Stk.	Mfr.	Price
<b>862164</b>	66-158	<b>\$45.60</b>



### Ergonomic Screwdriver Sets

**Stanley** Slip-resistant handles for comfortable grip. Nickel-plated, heat-treated, alloy-steel blades for long life.

**10-Piece Includes** storage rack, 4 slotted (1/8" x 2", 4", 6" & stubby), 2 cabinet-tip (3" & 6"), 4 Phillips (#0, #1, #2 & stubby).

Stk.	Mfr.	Price
<b>859600</b>	60-100	<b>\$13.80</b>

**20-Piece Includes** 4 slotted (1/4" x 2", 4", 6" & stubby), 2 cabinet-tip (3/16" x 3" & 6"), 5 Phillips (#'s 1 & 2 x 4" two ea. & #2 stubby), 2 hybrid offset screwdrivers (4"L) & 6-pc. precision screwdriver set w/case.

Stk.	Mfr.	Price
<b>859610</b>	60-220	<b>\$25.10</b>



### 30-Piece Combination Screwdriver Set

**Midwest** Set for shops needing numerous students to use the same screwdriver at the same time. Large, 1-piece shatterproof acetate handle provides sure gripping power and is impervious to most greases and chemicals. High-carbon steel, nickel-plated blade resists rust.

**Includes** 6 ea. slotted (3", 4" & 6"), plus 6 ea. Phillips (#'s 1 & 2), tool rack.

Stk.	Mfr.	Price
<b>543841</b>	MW-430SS	<b>\$109.00</b>



### Pocket Screwdrivers

**Stanley**

#### Standard

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
<b>861904</b>	66-101	1/8"	2"		4-3/8"	<b>\$2.74</b>
<b>861905</b>	66-102	3/32"	3"		5-3/8"	<b>\$2.16</b>

#### Phillips

<b>860755</b>	64-170	1/8"	2"	0	4-3/8"	<b>\$2.79</b>
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### 2-in-1 Reversible Blade Screwdrivers

**Xcelite** Two tip sizes in 1 blade that snaps in and out easily. Blade is secured in perfect alignment by patented spring lock.

**Includes** 3/16 slotted & #1 Phillips.

Stk.	Mfr.	Length	Price
<b>310730</b>	CR1	7-1/4"	<b>\$17.80</b>
<b>310731</b>	CR2	7-1/2"	<b>\$17.70</b>



### 5-in-1 Magnetic Reversible Blade Screwdriver

**Great Neck** Heavy-duty magnetic screwdriver with on-board storage for 4 interchangeable bits.

**Includes** 2 slotted (1/4", 3/16"), 2 Phillips (#'s 1 & 2) & 1/4" nut driver.

Stk.	Mfr.	Length	Price
<b>281158</b>	MAS4	9-3/4"	<b>\$8.10</b>



### 6-in-1 Reversible Blade Screwdriver

**Great Neck** Heavy duty, easy grip high-impact handle. Screwdriver bits store in handle.

**Includes** 2 slotted (1/4", 3/16"), 2 Phillips (#1, #2) & 2 nut drivers (1/4", 5/16").

Stk.	Mfr.	Price
<b>281154</b>	SD12E	<b>\$5.61</b>



### 15-in-1 Reversible Blade Ratchet Screwdriver

**Lutz** Chamber allows for easy access and storage of bits.

**Includes** 1/8" slotted x #0 Phillips, 1/4" x 3/16" slotted, 1/4" slotted x #2 Phillips, 5/32" slotted x #3 Phillips, #1 x #2 Phillips, T15 x T20 Torx® & S1 x S2 square.

Stk.	Mfr.	Length	Price
<b>511270</b>	21000	8"	<b>\$19.50</b>



### 6-in-1 Multi Tool Screwdriver

**Stanley** Ergonomic tri-lobe shaped handle with diamond-textured, rubber grip for extra torque. Chrome-plated bar resists corrosion. High-quality bits.

**Includes** 2 Phillips (#1, #2), 2 slotted (1/4", 3/16"), 2 nut drivers (1/4", 5/16").

Stk.	Mfr.	Length	Price
<b>863700</b>	68-012	7-3/4"	<b>\$6.19</b>



### 9-in-1 Multi-Tool Screwdriver

**Irwin** Ergonomic ProTouch™ slip-resistant grip provides maximum torque and comfort. Internal storage keeps 6 bits and 3 nut drivers locked in place and close at hand.

**Includes** 2 Phillips (#'s 1 & 2), 2 slotted (1/4" & 3/16"), 2 square drive (#'s 1 & 2), 3 nut drivers (1/4", 3/8" & 5/16").

Stk.	Mfr.	Length	Price
<b>619221</b>	2051100	9-1/2"	<b>\$16.00</b>



### 10-in-1 Multi-bit Screwdriver

**Stanley** 3-Position switch enables clockwise, counterclockwise and locked ratcheting positions. Magnetic bit holder secures bits fast. Ergo, textured storage handle increases torque. Corrosion-resistance plating.

**Includes** 2 ea. Phillips, Pozidriv & square drive (all #'s 1 & 2), 2 slotted (1/4" & 3/16"), 2 Torx™ (#'s 10 & 15).

Stk.	Mfr.	Length	Price
<b>863698</b>	68-010	10"	<b>\$19.80</b>



### Square Recess Screwdrivers

**Master Mechanic** Corrosion-resistant, alloy-steel blade is heat-treated for durability and strength. Comfort-grip, 4-flute handle is cellulose acetate for impact and chemical resistance. Dimple on handle provides precise finger tip control.

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
<b>485056</b>	103591	3/16"	3"	1	6-3/4"	<b>\$6.28</b>
<b>485057</b>	103606	1/4"	4"	2	8-1/4"	<b>\$7.16</b>
<b>485058</b>	103618	5/16"	6"	3	10-3/4"	<b>\$9.07</b>



### Torx® Screwdrivers

**Master Mechanic** Heat-treated chromoly steel blades with advanced nickel chrome plating. Precision-machined tips for precise fit. Large handles are impact and chemical-resistant.

Stk.	Mfr.	Blade Dia.	Blade Length	Tip	Overall Length	Price
<b>485009</b>	103567	3/16"	3"	T10	6-5/8"	<b>\$4.49</b>
<b>485010</b>	103569	3/16"	3"	T15	6-5/8"	<b>\$4.78</b>
<b>485011</b>	103580	3/16"	3"	T20	6-5/8"	<b>\$5.31</b>
<b>485012</b>	103585	3/16"	3"	T25	8"	<b>\$5.42</b>
<b>485013</b>	103596	1/4"	4"	T27	8"	<b>\$5.94</b>
<b>485014</b>	103597	1/4"	4"	T30	7-3/8"	<b>\$5.94</b>

**5-Piece Set Includes** T#'s 10, 15, 20, 25 & 30.

Stk.	Mfr.	Price
<b>485039</b>	167488	<b>\$16.50</b>



### 5-piece Precision Screwdriver Set

**Craftsman** Color-coded swivel heads for easy identification.

**Includes** slotted (3/32" x 1-1/2", 1/8" x 2-1/2"), Phillips (#00 x 1-1/2", #0 x 2-1/2") & Torx (T10 x 2-1/2").

Stk.	Mfr.	Price
<b>305767</b>	41632	<b>\$23.60</b>



### Jeweler's Screwdriver English/Metric Set

**Great Neck** English/metric screwdrivers are heat-treated for extra strength. Ideal for hobby and electrical work.

**Includes** 4 slotted (.08, 1.2, 1.8 & 3mm), 2 Phillips (#'s 0 & 1) & case.

Stk.	Mfr.	Item	Price
<b>281149</b>	GP6C	6-Piece Set	<b>\$5.45</b>



### Swivel Head Jeweler's Screwdriver Set

**General** Nickel-plated, swivel-head screwdriver has 5 interchangeable blades.

**Includes** .040", .055", .070" & .100" straight blades, plus #0 Phillips & molded plastic case.

Stk.	Mfr.	Item	Price
<b>419077</b>	S605	5-Piece Set	<b>\$8.19</b>



### Jeweler's Screwdriver Set

**General** Conforms to government specifications GGG-S-1808. 3-7/8"L.

**Includes** .100", .080", .070", .055", .040", .025" & plastic case.

Stk.	Mfr.	Item	Price
<b>419000</b>	SPC600	6-Piece Set	<b>\$24.90</b>



### Mini Jeweler's Screwdriver Set

**Xcelite** Miniature set is precise for detailed work. Consist of jeweler's and Phillips screwdriver blades molded in color-coded plastic handles.

Blade length 7/8". Tool length 2-1/8".

**Includes** 00 Phillips, slotted (sizes .04", .055", .07", .08", 10"), torque amplifier handle & case.

Stk.	Mfr.	Item	Price
<b>308819</b>	M60	6-Piece Set	<b>\$24.50</b>



### UltraTech™ Precision Screwdriver Set

**General** UltraTech™ Precision Screwdrivers in 3 Versa-Grip comfort handle sizes (1" to 2-1/2"). Color-coded rings allow quick blade ID.

**Includes** 3 slotted (1/16", 3/32", 1/8"), 3 Phillips (#'s 00, 0, 1) & Torx (T6).

Stk.	Mfr.	Item	Price
<b>419150</b>	67123	7-Piece Set	<b>\$24.40</b>



**Precision Screwdriver Set**

**General** Precision screwdriver set with 17 interchangeable extended-shaft, heat treated blades for electronic, computer & jewelry repair. Black oxide blade coating prevents rust and corrosion. Locking screw chuck secures blades & allows quick changes. Versa-Grip comfort handle provides precision feel.

**Includes** 4 slotted (3/64", 1/16", 5/64", 3/32"), 2 Phillips (#'s 000, 00), 4 Torx (T#'s 6, 7, 8, 9), 3 hex (.50, 1/16", 5/64"), 3 nut drivers (3/32", 1/8", 5/32"), awl/scribe & handle, plus vinyl zip case.

Stk.	Mfr.	Item	Price
<b>419151</b>	63518	18-Piece Set	<b>\$26.60</b>



**3/8" Hand Impact Tool Set**

**Lisle** Loosens rusted and frozen nuts, bolts and screws. Unique design delivers over 200 ft./lbs. of shock torque. Reverse process to tighten. Can be used with impact sockets.

**Includes** 3/8" impact tool, 3/8" bit holder, Phillips bit #'s 1, 2, 3 & 4, plus 3/8" straight slot bit.

Stk.	Mfr.	Item	Price
<b>503850</b>	29200	7-Piece Set	<b>\$41.10</b>

**NUT DRIVERS**



**Nut Drivers**

**Great Neck** High-quality transparent handle with black fluting. Hollow, chrome-plated shaft. Heat-treated hardened steel.

Stk.	Mfr.	Size	Color	Price
<b>281192</b>	ND3C	3/16"	Black	<b>\$5.18</b>
<b>281193</b>	ND5C	1/4"	Red	<b>\$5.41</b>
<b>281194</b>	ND7C	5/16"	Amber	<b>\$5.64</b>
<b>281195</b>	ND8C	11/32"	Green	<b>\$5.64</b>
<b>281196</b>	ND9C	3/8"	Blue	<b>\$5.64</b>
<b>281197</b>	ND10C	7/16"	Brown	<b>\$6.21</b>
<b>281198</b>	ND11C	1/2"	Red	<b>\$6.44</b>

**7-Piece Standard Includes** 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2".

<b>281191</b>	ND72			<b>\$17.30</b>
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**7-Piece Metric Includes** 6, 7, 8, 9, 10, 11 & 12mm.

<b>281189</b>	ND71			<b>\$17.30</b>
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**Color-coded Nut Driver Sets**

**Xcelite**

**7-Piece Solid Shaft Includes** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8" & case.

Stk.	Mfr.	Price
<b>310758</b>	127TB	<b>\$63.80</b>

**7-Piece Hollow Shaft Includes** 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" & case.

<b>310768</b>	147TB	<b>\$82.00</b>
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**10-Piece Hollow Shaft Includes** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" & case.

<b>308811</b>	HS618	<b>\$123.00</b>
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**Hollow Shaft Nut Driver Sets**

**CHAN NEL LOCK**

High-torque, 3-sided Code Blue® grips. Go-thru steel blade is attached to the steel cap on the back of handle.

**7-Piece Standard Includes** 11/32", 1/2", 1/4", 3/16", 3/8", 5/16" & 7/16".

Stk.	Mfr.	Price
<b>301360</b>	ND-7CB	<b>\$54.90</b>

**7-Piece Metric Includes** 5, 6, 7, 8, 9, 10, 11 mm.

Stk.	Mfr.	Price
<b>301361</b>	MD-7CB	<b>\$54.90</b>



**T-handle Nut Driver Sets**

**Craftsman** No-slip color coded cushion grip handles with alloy sockets and shafts. T-handle provides leverage for greater torque strength.

**7-Piece Metric Includes** 5, 6, 7, 8, 9 & 10mm.

Stk.	Mfr.	Price
<b>305738</b>	34547	<b>\$57.30</b>

**7-Piece Standard Includes** 3/16", 1/4", 5/16", 11/32", 3/8", 7/16" & 1/2".

Stk.	Mfr.	Price
<b>305737</b>	34546	<b>\$57.30</b>

**WRENCHES**



**Heavy-duty Pipe Wrenches**

**Ridgid** Cast iron housing and I-beam handle for comfort grip and strength without excess weight. Full-floating forged hooked jaw with spring suspension for instant grip, instant release. Replaceable jaws with tough, heat-treated, high-alloy steel teeth. Rugged, easy-spin, nonstick adjustment nut that automatically cleans grime from hook jaw shank. Uniquely braced, extra-strong mount for heel jaw.

Stk.	Mfr.	Length	O.D. Capacity	Model	Price
<b>689067</b>	31005	8"	1"	8HD	<b>\$27.50</b>
<b>689134</b>	31010	10"	1-1/2"	10HD	<b>\$36.00</b>
<b>689268</b>	31020	14"	2"	14HD	<b>\$46.50</b>
<b>689335</b>	31025	18"	2-1/2"	18HD	<b>\$67.20</b>
<b>689402</b>	31030	24"	3"	24HD	<b>\$107.00</b>



**Quick Adjusting Pipe Wrench**

**Vise-Grip** Lightweight cast aluminum construction and ergo handle for maximum comfort and heavy torque. I-handed operation enhances user speed and convenience. Ratchets quickly to work surface with a smooth release.

Stk.	Mfr.	Length	O.D. Capacity	Price
<b>619215</b>	274001SM	11"	2-1/4"	<b>\$29.40</b>



**Spud Wrench**

**Ridgid** Narrow jaws fit into tight places. Drop-forged, heat-treated hook jaw.

Stk.	Mfr.	Length	O.D. Capacity	Price
<b>692760</b>	31400	12"	3/8"-2-5/8"	<b>\$58.80</b>



**Strap Wrench**

**Ridgid** For any polished pipe. Woven nylon strap gives a tight grip and is replaceable. Head and I-beam are 1 piece. Polyurethane coating on strap prevents marring.

Stk.	Mfr.	Strap	O.D. Capacity	Model	Price
<b>689792</b>	31335	1/2"W x 17"L	3-1/2"	1	<b>\$46.70</b>



# ALLEN WRENCH SETS

## Fold-up Hex Sets



**Fractional Sets** Precision heat-treated hardened and tempered to assure maximum strength throughout with a rust resistant black oxide finish. Tightly secured in a 1-piece steel case with a correctly proportioned handle.

Stk.	Mfr.	Item	Price
<b>385000</b>	20511	Eklind 5-Pc, 3/16", 7/32", 1/4", 5/16", 3/8"	<b>\$11.40</b>
<b>385030</b>	20811	Eklind 8-Pc, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64" & 5/32"	<b>\$5.47</b>
<b>385031</b>	20812	Eklind 8-Pc, 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$11.10</b>
<b>922743</b>	4991	Proto 8-Pc Long, 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$11.60</b>
<b>385051</b>	20912	Eklind 9-Pc, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 3/16"	<b>\$6.66</b>
<b>385050</b>	20911	Eklind 9-Pc, 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$8.44</b>
<b>922006</b>	4978	Proto 9-Pc, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 3/16"	<b>\$7.43</b>

**Fractional Sets** Ergonomic, soft-grip case w/steel side plate & push-button locks at 90°, 135° & 180°.

Stk.	Mfr.	Item	Price
<b>243417</b>	DWHT70262M	DeWalt 8-Pc, 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$14.80</b>

**Fractional Sets** Ergo-Fold™ case w/ergonomic, soft-grip handle for comfort & slip resistance, hard shell for strength.

Stk.	Mfr.	Item	Price
<b>385160</b>	25911	Eklind 9-Pc, 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$10.50</b>
<b>385161</b>	25912	Eklind 9-Pc, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 3/16"	<b>\$8.96</b>

**Metric** Precision heat-treated hardened and tempered to assure maximum strength throughout with a rust resistant black oxide finish. Tightly secured in a 1-piece steel case with a correctly proportioned handle.

Stk.	Mfr.	Item	Price
<b>385100</b>	21151	Eklind 6-Pc, 3, 4, 5, 6, 8 & 10mm.	<b>\$12.10</b>
<b>921805</b>	4973	Proto 6-Pc, 3, 4, 5, 6, 8 & 10mm.	<b>\$12.40</b>
<b>385110</b>	21171	Eklind 7-Pc, 1.5, 2, 2.5, 3, 4, 5 & 6mm.	<b>\$6.89</b>
<b>921872</b>	4974	Proto 7-Pc, 1.5, 2, 2.5, 3, 4, 5 & 6mm.	<b>\$7.16</b>
<b>385111</b>	21172	Eklind 7-Pc, 2, 2.5, 3, 4, 5, 6 & 8mm.	<b>\$9.09</b>

**Metric** Ergonomic, soft-grip case w/steel side plate & push-button locks at 90°, 135° & 180°.

Stk.	Mfr.	Item	Price
<b>243418</b>	DWHT70263M	DeWalt 8-Pc, 1.5, 2, 2.5, 3, 4, 5, 6, 8mm.	<b>\$14.90</b>

**Fractional & Metric Set** Ergo-Fold™ case w/ergonomic, soft-grip handle for comfort & slip resistance, hard shell for strength. **Includes** 9-piece fractional: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4". 7-piece metric: 1.5, 2, 2.5, 3, 4, 5 & 6mm.

Stk.	Mfr.	Item	Price
<b>385170</b>	26160	Eklind 16-Pc	<b>\$14.70</b>



## L-Hex Key Sets

### Fractional Cased

Stk.	Mfr.	Item	Price
<b>384900</b>	10115	Eklind 15-Pc, .028", .035", .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"	<b>\$25.20</b>
<b>485515</b>	HK99	Fastener Bam 95-Pc, 10 ea. .050, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16" & 7/32" & 5 ea. 1/4", 5/16" & 3/8"	<b>\$50.00</b>

### Fractional Molded Holder

Stk.	Mfr.	Item	Price
<b>384870</b>	10018	Eklind 18-Pc Short & Long, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 7/32", 1/16", 5/64", 3/32", 1/8", 9/64", 5/32", 3/16", 1/4", 5/16"	<b>\$9.50</b>
<b>384880</b>	10107	Eklind 7-Pc Short, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4"	<b>\$4.00</b>
<b>384882</b>	10111	Eklind 11-Pc Short, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$6.30</b>
<b>922019</b>	4981	Proto 11-Pc, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4"	<b>\$7.23</b>
<b>922020</b>	4982	Proto 7-Pc, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4"	<b>\$5.12</b>

### Fractional Vinyl Pouch

Stk.	Mfr.	Item	Price
<b>385300</b>	69218	Eklind 18-Pc Short, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 7/32". Long pattern 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 1/4" & 5/16"	<b>\$8.58</b>

### Metric Cased

Stk.	Mfr.	Item	Price
<b>384920</b>	10515	Eklind 15-Pc Short, 0.7, 0.9, 1.3, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14 & 17mm	<b>\$46.30</b>

### Metric Molded Holder

Stk.	Mfr.	Item	Price
<b>384915</b>	10507	Eklind 7-Pc Short, 1.5, 2, 2.5, 3, 4, 5 & 6mm.	<b>\$6.98</b>
<b>384916</b>	10509	Eklind 9-Pc Short, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm.	<b>\$11.10</b>

### Metric Pouched

Stk.	Mfr.	Item	Price
<b>385292</b>	69210	Eklind 10-Pc, 1.3, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm.	<b>\$7.34</b>



## Power-T™ T-Handle Hex Key Sets

**Eklind** Ergonomic, textured, slip-resistant grip provides extra torque and safety. Made from the highest quality hex steel, heat treated for maximum strength and finished to resist rust. Color-coded for easy identification. Sizes stamped on handle.

**Fractional Includes** L-handle keys: .050 & 1/16" T-handle keys: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8", plus stand.

Stk.	Mfr.	Item	Length	Price
<b>385285</b>	60614	13-Piece	6"	<b>\$58.60</b>
<b>385286</b>	60914	13-Piece	9"	<b>\$64.50</b>

**Metric Includes** L-handle keys: 1.3 & 1.5mm, T-handle keys: 2, 2.5, 3, 4, 5, 6, 8 & 10mm, plus stand.

Stk.	Mfr.	Item	Length	Price
<b>385287</b>	64611	10-Piece	6"	<b>\$46.60</b>
<b>385288</b>	64911	10-Piece	9"	<b>\$52.60</b>

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**Pouched Set**



**Stand Set**



**T-Handle Hex Key Sets**

**Eklind** One continuous piece of hexagon, industrial-grade alloy steel. Heat-treated for optimum strength. Black rust-resistant finish. Proportional-balanced design for maximum leverage, reach and torque. Square-cut ends engage the full socket depth for tightening without reaming. USA made.

**Includes** standard keys & vinyl pouch.

**8-Piece Fractional Pouch Sets** **Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4".

Stk.	Mfr.	Length	Price
<b>385200</b>	33168	6"	<b>\$20.70</b>
<b>385210</b>	33198	9"	<b>\$23.90</b>

**10-Piece Fractional Pouch Sets** **Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8".

Stk.	Mfr.	Length	Price
<b>385220</b>	33610	6"	<b>\$37.60</b>
<b>385230</b>	33910	9"	<b>\$42.70</b>

**10-Piece Fractional Stand Sets** **Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8".

Stk.	Mfr.	Length	Price
<b>385270</b>	50160	6"	<b>\$53.10</b>

**8-Piece Metric Pouch Set** **Includes** 2, 2.5, 3, 4, 5, 6, 8 & 10mm.

Stk.	Mfr.	Length	Price
<b>385250</b>	35168	6"	<b>\$32.70</b>

**8-Piece Metric Stand Sets** **Includes** 2, 2.5, 3, 4, 5, 6, 8 & 10mm.

Stk.	Mfr.	Length	Price
<b>385280</b>	56168	6"	<b>\$48.90</b>



**Ball-Hex-L Sets**

**Eklind** Keys w/a ball profile on the long arm. Rotates 360° up to 35° for extra torque. Color-coded holders.

**9-Piece Long Metric** **Includes** 1.5, 2, 2.5, 3, 4, 5, 6, 8, & 10mm, plus molded holder.

Stk.	Mfr.	Price
<b>384960</b>	13609	<b>\$20.10</b>

**22-Piece Fractional & Metric** **Includes** .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" & 1.5, 2, 2.5, 3, 4, 5, 6, 8 10mm.

Stk.	Mfr.	Price
<b>384950</b>	13222	<b>\$44.20</b>



**26-piece Ball Hex Key Set**

**Craftsman** High tensile strength alloy steel. Each key delivers 28° of access to bolts.

**Includes** .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" & 1.5, 2, 2.5, 3, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm, plus molded holder.

Stk.	Mfr.	Price
<b>305769</b>	46274	<b>\$48.50</b>



**Torx® Key Sets**

**Eklind Fold-up Sets**

Stk.	Mfr.	Item	Price
<b>385150</b>	22571	7-Piece, 10, 15, 20, 25, 27, 30 & 40.	<b>\$15.70</b>
<b>385151</b>	22572	7-Piece, 6, 7, 8, 9, 10, 15 & 20.	<b>\$15.70</b>

**Eklind L-Key Molded Holder** **Includes** T#'s 10, 15, 20, 25, 27, 30 & 40.

Stk.	Mfr.	Item	Price
<b>384930</b>	10807	7-Piece Short	<b>\$15.90</b>
<b>384931</b>	10907	7-Piece Long	<b>\$20.20</b>

**Proto Pouch Set** **Includes** T#'s 10, 15, 20, 25, 27, 30, 40, 45, 50 & 55.

Stk.	Mfr.	Item	Price
<b>921792</b>	4961	10-Piece	<b>\$65.40</b>

**STAPLERS & TACKERS**

**PowerCrown™ Hammer Tacker**



**Bostitch** Compact, lightweight tool swings like a hammer with 1-hand operation. For fast, repetitive tacking jobs.

**Includes** leather sheath & 1,000 3/8" staples.

**Use STCR5019 series staples.**

Stk.	Mfr.	Size	Qty.	Price
<b>838515</b>	H30-8			<b>\$43.60</b>

**Staples** Fits H30-8 Hammer Tacker.

Stk.	Mfr.	Size	Qty.	Price
<b>838557</b>	STCR5019	1/4"	1,000	<b>\$6.26</b>
<b>838558</b>	STCR5019	3/8"	1,000	<b>\$6.47</b>
<b>838556</b>	STCR5019	3/8"	5,000	<b>\$11.40</b>



**SharpShooter® Heavy-duty Hammer Tacker**

**Stanley** Used for carpeting, roofing materials or insulation. Balanced for 1-hand operation and has durable steel construction.

**Uses 1/4", 5/16" & 3/8" narrow crown staples.**

Stk.	Mfr.	Price
<b>597420</b>	PHT150C	<b>\$46.90</b>



**Easy Fire® Stapler/Brad Nailer**

**Craftsman** Choose between staples and brad nails depending on the job. For maximum efficiency, it applies pressure directly over the work surface. Taper spring reduces kickback. Integrated wire guide and staple windows.

**Uses narrow crown staples & 9/16" brad nails.**

Stk.	Mfr.	Price
<b>305795</b>	68514	<b>\$35.40</b>

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### Heavy-duty Staple/Brad Nail Gun

**Stanley** Easy-squeeze product works overtime as a staple gun, brad nailer, cable tacker and wire tacker. Gray/black.

- Hi/Lo power lever for hard & soft materials
- Flush-nose design for stapling in tight areas

- Lock-down handle for safe storage
- All-metal drive channel ensures better penetration
- Heavy-duty aircraft-aluminum housing for durability
- Quick-view window simplifies staple identification
- Easy-slide full-stick staple load

Uses TRA700 series heavy-duty narrow crown staples or SWKBN 1/2" & 5/8" brads & staples.

Stk.	Mfr.	Price
597404	TR250	\$35.90



### Electric Staple/Brad Nail Gun

**Stanley** Electricity and heavy-duty design delivers outstanding driving power. Hi/Lo power for hard and soft materials. Flush-nose for stapling in tight spots. Features contoured comfort grip, anti-jam mechanism, nose safety, and 8' power cord.

Use TRA700 series staples, or SWKBN series 1/2" & 5/8" brads.

Stk.	Mfr.	Price
597456	TRE550	\$44.00



### Heavy-duty SharpShooter® Staple Gun

**Stanley** Heavy-duty staple gun delivers high power and deep penetration. Features easy squeeze handle, anti-jam mechanism, durable aircraft aluminum housing, high-visibility yellow color, easy-slide full-stick staple load.

Use TRA700 series staples.

Stk.	Mfr.	Price
597401	TR150	\$28.30



### Staple Gun

**Arrow** Tacker with all-steel construction and working parts features a chrome finish, jam-proof mechanism, refill window and double-leverage operation.

Uses heavy-duty 1/4", 5/16", 3/8", 1/2" & 9/16" staples.

Stk.	Mfr.	Price
942726	T50	\$32.00



### Heavy-duty Staple Gun

**Surebonder** Drives narrow, power, wide and medium crown staples. Easy drop-in staple loading, ergonomic non-slip grip, adjustable drive, durable chrome finish.

Uses any standard type heavy-duty 1/4" - 9/16" staples.

Stk.	Mfr.	Price
410940	5650	\$19.60

### Narrow Crown Staples

**Stanley** TRA700 Series. Excellent for window and door screens, shelf paper, poster boards, bulletin boards and other jobs requiring uniform strength.

Staples fit:

- Stanley PHT150-C; TR#'s 60, 85, 100, 150; TRE#'s 200, 500, 550; 69#'s 500, 502, 550
- Arrow T#'s 50, 55; ET-50, ETN-50, HT-50A
- Master Mechanic M#'s 5000, 5100, 5500
- Black & Decker Emhart 2000E, 3000E, 9701

### Staples

Stk.	Mfr.	Size	Qty.	Price
597480	TRA704T	1/4"	1,000	\$2.26
597481	TRA705T	5/16"	1,000	\$2.31
597482	TRA706T	3/8"	1,000	\$2.69
597483	TRA708T	1/2"	1,000	\$2.84
597484	TRA709T	9/16"	1,000	\$3.17

### Brad Nailer Brads

**Stanley** Fits TR200, TR250, TRE500, TRE550, TRE650 Electric brad nailers.

Stk.	Mfr.	Size	Qty.	Price
597397	SWKBN050S	1/2"	1,000	\$2.16
597396	SWKBN625S	5/8"	1,000	\$2.19

## PLIERS



### Hose Clamp Pliers

**CHAN NEL LOCK**

High-carbon, drop-forged steel pliers with wire cutter. PermaLock® fastener eliminates nut and bolt failures. Comfort grips.

Stk.	Mfr.	Length	Price
301498	558	8"	\$25.30



### Lock Ring Pliers

**Lisle** Designed for removing and installing lock rings on all types of transmissions, master cylinders, brakes, etc. Jaws are knurled on the end to prevent slipping.

Stk.	Mfr.	Price
503868	44900	\$19.10



### Brake Spring Pliers

**Lisle** Double-ended tool for removing and installing brake springs. Use plier tips to stretch brake spring. Handle ends remove and install spring over anchor post.

Stk.	Mfr.	Price
503750	11260	\$25.10



### Long Reach Needle Nose Pliers

**Proto** Designed to reach around obstructions. Plastisol grips and improved fulcrum point provide comfort and holding power.



Stk.	Mfr.	Item	Length	Price
901635	240G	Long Reach	11-9/16"	\$52.20
901636	241G	Bent Nose	11-3/8"	\$52.90



**Welder's Pliers**

**CHAN NEL LOCK** Grips and draws out wire. Spring-loaded groove nose design for superior spatter removal. Precision machined,

laser heat treated cutting edge. Easy installation and removal of tips, bushings and nozzles.

Stk.	Mfr.	Length	Price
<b>301452</b>	360	9"	<b>\$32.40</b>



**Thin Long Nose Pliers**

**Xcelite** General wire application pliers. Useful for reaching into tight spaces, and for pick-up and wire forming. Green cushion-grips.

Stk.	Mfr.	Length	Jaw Length	Jaw Width	Type	Price
<b>308818</b>	LN54GV	5"	1-3/16"	7/16"	Smooth	<b>\$29.70</b>
<b>308822</b>	LN55V	5-1/2"	1-11/16"	17/32"	Serrated	<b>\$30.20</b>



**Long Nose Side Cutting Pliers**

**Xcelite** General wire application side cutting pliers. Useful for reaching into tight spaces, and for pick-up and wire forming. Green cushion-grips.

Stk.	Mfr.	Length	Jaw Length	Jaw Width	Type	Price
<b>308823</b>	SN55V	5-1/2"	1-11/16"	17/32"	Serrated	<b>\$34.40</b>



**Oval Head Semi-flush Cutter Pliers**

**Xcelite** Diagonal-cutting pliers, semi-flush for general purpose work. Green cushion-grips.

Stk.	Mfr.	Length	Jaw Length	Jaw Width	Type	Price
<b>308820</b>	MS54V	4"	13/32"	7/16"	Standard	<b>\$30.30</b>



**Bi-Material Slip Joint Pliers**

**Stanley** Drop-forged steel, 2-position adjustable joint. Slip-resistant cushion-grip handles.

**Meets ANSI specifications.**

Stk.	Mfr.	Length	Price
<b>864730</b>	84-055	6"	<b>\$4.58</b>
<b>864725</b>	84-026W	8"	<b>\$6.35</b>



**ProTouch™ Combination Slip Joint Pliers**

**Vise-Grip** Machined jaws for maximum gripping strength. Induction-hardened wire

cutter stays sharp longer. Durable, nickel-chromium steel construction. Pro-Touch™ blue grips provide extra comfort and reduced hand fatigue.

**Meets or exceeds ANSI specifications.**

Stk.	Mfr.	Length	Price
<b>619232</b>	2078406	6"	<b>\$7.46</b>
<b>619233</b>	2078408	8"	<b>\$8.83</b>
<b>619234</b>	1773637	10"	<b>\$12.00</b>



**Combination Slip Joint Pliers**

**Great Neck** Drop-forged, steel-plated pliers with precision-milled jaws. Ergonomic double-molded grips.

Stk.	Mfr.	Length	Price
<b>281010</b>	SJ6C	6"	<b>\$4.51</b>
<b>281011</b>	SJ8C	8"	<b>\$6.05</b>



**Slip Joint Pliers w/Wire Cutting Shear**

**CHAN NEL LOCK** Thick nose pliers with shear-type wire cutter. Precision made of fine polished, high carbon drop forged steel. PermaLock® fastener eliminates nut and bolt failures. Channellock Blue® comfort grips. USA made.

Stk.	Mfr.	Length	Price
<b>301496</b>	526	6"	<b>\$12.70</b>
<b>301497</b>	528	8"	<b>\$13.10</b>



**Thin Nose Slip Joint Pliers**

**Vise-Grip** Durable nickel chromium steel construction. ProTouch™ grips provide extra comfort and reduces hand fatigue. Machined jaws for maximum gripping strength. Induction hardened cutting edge stays sharper, longer.

**Meets or exceeds ANSI specifications.**

Stk.	Mfr.	Length	Price
<b>619236</b>	1773623	6"	<b>\$10.60</b>



**5-Piece Mini Pliers Set**

**Craftsman** Machined carbon steel pliers w/ ultra-secure box joints. Set delivers precision cutting and grip at a wide array of angles. Cushion grip handles.

**Includes** long nose, diagonal cutter, end nipper, needle nose, bent nose pliers & case.

Stk.	Mfr.	Price
<b>305768</b>	45671	<b>\$39.40</b>

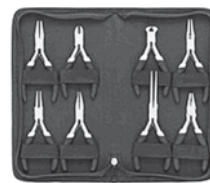


**6-Piece Mini Pliers Set**

**Stanley** Bi-material mini pliers set designed for grasping, bending, cutting. Machined jaws grip securely. Induction hardened cutting edges.

**Includes** 4" diagonal, 4" end cutting, 4" bent nose, 5" long nose, 5" flat nose & 5" groove nose.

Stk.	Mfr.	Price
<b>864740</b>	84-079	<b>\$25.40</b>



**8-Piece Mini Pliers**

**General** Compact set for electricians, technicians and hobbyists. Serrated jaws for outstanding grip. Fully-polished, chrome vanadium steel head. Box joint construction with leaf spring, quick-open jaws. Double-dipped cushion grip.

**Includes** (ea. approx. 5"L) chain nose serrated jaw, round nose smooth jaw, curved chain nose, long needle nose, oval head diagonal cutter, end cutter, mini Lineman's pliers & case.

Stk.	Mfr.	Price
<b>418970</b>	938	<b>\$41.90</b>



**Diagonal Cutting Pliers**

**Great Neck** For cutting wire close to the surface. Tapered head allows clearance for the user's knuckles. Drop-forged construction with extra-sharp honed cutting edges. Grooved

joints. Ergo double-molded grips.

Stk.	Mfr.	Length	Price
<b>281016</b>	D65C	6-1/2"	<b>\$6.60</b>
<b>281017</b>	D75C	7-1/2"	<b>\$8.80</b>



### Box Joint Cutting Pliers

**CHAN NEL LOCK** Hand honed, specially hardened, mated cutting edges. Fine polished high carbon drop-forged steel finish. Channellock Blue® comfort grips. USA made.

Stk.	Mfr.	Length	Price
<b>301478</b>	435	5"	<b>\$27.40</b>
<b>301482</b>	436	6"	<b>\$23.00</b>



### Diagonal Cutting Square Joint Pliers

**Crescent** Hardened side cutting edges cuts cleans and remains sharp. For general purpose cutting. Made from heat-treated forged alloy steel for increased toughness and durability.

Finished with polished heads. Red cushion-grip handles.

Stk.	Mfr.	Length	Price
<b>311824</b>	933-6CVN	6"	<b>\$18.20</b>



### Pro-Touch™ Diagonal Cutting Pliers

**Vise-Grip** Durable, nickel-chromium steel construction. Induction-hardened cutting edge stays sharp longer. Pro-Touch™ blue, cushion-grip handles provide extra comfort and reduced hand fatigue.

Meets or exceeds ANSI specifications.

Stk.	Mfr.	Length	Price
<b>619225</b>	2078306	6"	<b>\$14.30</b>
<b>619226</b>	2078307	7"	<b>\$15.50</b>
<b>619227</b>	2078308	8"	<b>\$17.90</b>



### Heavy-duty Diagonal Cutting Pliers

**Crescent** For heavy-duty wire cutting. Electronically induction hardened and hand honed, long lasting cutting edges. Made of forged alloy steel for strength and durability. Red cushion-grip handles.

Stk.	Mfr.	Length	Price
<b>311154</b>	542-7CVN	7"	<b>\$22.40</b>



### Lap Joint Cutting Pliers

**CHAN NEL LOCK** High leverage, heavy-duty construction with perfectly mated cutters. Precision made of fine polished, high carbon drop forged steel heat treated to hold their edge. Channellock Blue™ comfort grips.

High leverage, heavy-duty construction with perfectly mated cutters. Precision made of fine polished, high carbon drop forged steel heat treated to hold their edge. Channellock Blue™ comfort grips.

Stk.	Mfr.	Length	Price
<b>301435</b>	338	8"	<b>\$25.70</b>



### Journeyman™ High Leverage Diagonal Cutting Pliers

**Klein** For greater cutting and gripping power.

Cuts ACSR, screws, nails and most hardened wire. Hot-riveted joint ensures smooth action and no handle wobble. Short jaws and beveled cutting edge for close wire cutting. Polished and black oxide finish with comfort-grip handles.

Stk.	Mfr.	Length	Price
<b>945245</b>	J2000-28	8-1/8"	<b>\$49.70</b>



### Heavy-duty Diagonal Cutter Pliers

**Master Mechanic** Heavy-duty cutting pliers feature cushion-grip handle.

Stk.	Mfr.	Length	Price
<b>942833</b>	179838	7"	<b>\$11.60</b>



### Long Nose Solid Joint Pliers

**Crescent** Long nose pliers for radio, telephone and electronic work in confined areas.

Electronically induction-hardened pliers with serrated jaws for looping. Made of forged alloy tool steel. Polished head and red non-slip cushion handle grips.

Stk.	Mfr.	Length	Price
<b>311958</b>	1033-6CVN	6-5/8"	<b>\$18.90</b>



### Standard Long Nose Side Cutting Pliers

**Klein** Long nose design with induction hardened cutting knives. Knurled jaws for wrapping and looping. Plastic-dipped curved handles.

Stk.	Mfr.	Length	Price
<b>945030</b>	D203-7	7"	<b>\$29.50</b>



### Bi-Material Long Nose Pliers

**Stanley**

Slip-resistant bi-material handle for a comfortable grip. Drop-forged steel is strong and durable. Fixed joint design used for bending, turning and cutting. Long nose design for use in hard-to-reach areas.

Meets ANSI specifications.

Stk.	Mfr.	Length	Price
<b>864727</b>	84-031W	6"	<b>\$7.25</b>
<b>864728</b>	84-032	8"	<b>\$8.74</b>



### Long Nose Pliers w/Cutter

**Craftsman** Serrated blade for holding power and induction hardened side cutters provide ample torque for high gauge cutting. Plastic dip handles for comfort.

Stk.	Mfr.	Length	Price
<b>305764</b>	45102	6"	<b>\$24.70</b>
<b>305766</b>	45103	8"	<b>\$26.60</b>



### Long Nose Pliers

**CHAN NEL LOCK** Cross-hatching design on jaws

grabs work tightly. Precision made of fine polished, high-carbon drop-forged steel. Perfectly mated cutters, scientifically treated to hold their edge. Channellock Blue™ comfort grip handles. USA made.

Stk.	Mfr.	Length	Price
<b>301685</b>	3026	6"	<b>\$22.50</b>
<b>301675</b>	3017	7-1/2"	<b>\$22.30</b>

With Side Cutter

Stk.	Mfr.	Length	Price
<b>301426</b>	326	6"	<b>\$25.50</b>
<b>301418</b>	317	7-1/2"	<b>\$26.10</b>



### Long Nose Pliers w/Side Cutter

**Vise-Grip** Machined jaws for maximum gripping strength. Induction-hardened cutting edge

stays sharp longer. Durable, nickel-chromium steel construction. Pro-Touch™ blue cushion grips provide extra comfort and reduced hand fatigue.

Meets or exceeds ANSI specifications.

Stk.	Mfr.	Length	Price
<b>619228</b>	2078216	6"	<b>\$14.30</b>
<b>619229</b>	2078218	8"	<b>\$15.50</b>



**Heavy-duty Long Nose Pliers w/Side Cutter**

**CHAN NEL LOCK**

Cross-hatched teeth pattern provides reliable grip in either direction while a narrow nose profile provides extra precision. Knife and anvil style cutting edge ensures perfect mating and superior cutting edge life. Channellock Blue® comfort grip handles.

Stk.	Mfr.	Length	Price
<b>301420</b>	318	8"	<b>\$32.90</b>



**Heavy-duty Long Nose Pliers w/Wire Stripper & Cutter**

**CHAN NEL LOCK**

Cutters with 12 and 14 AWG wire stripper. Cross-hatching design on jaws grabs work tightly with useful crushing surface. Cutters are perfectly mated and treated to hold their edge. Precision made of fine polished, high carbon drop-forged steel. Channellock Blue® comfort grip handles. USA made.

Stk.	Mfr.	Length	Price
<b>301421</b>	318WS	8-3/8"	<b>\$41.10</b>



**Long Chain Nose Side Cutting Pliers**

**Crescent** Reaches into confined areas. Electronically hardened, hand honed keen side cutting edges. Forged alloy tool steel for strength and cutting ability. Fine serrated jaws. Polished head with red cushion-grip handles.

Stk.	Mfr.	Length	Price
<b>311288</b>	654-6CVSMLN	6"	<b>\$23.30</b>
<b>311355</b>	654-7CVN	7"	<b>\$27.00</b>



**Long Needle Nose Pliers**

**Crescent** Long thin nose has excellent gripping ability for use in tight, narrow places. Made of forged alloy tool steel and individually tested for strength. Polished head with red non-slip cushion grip handles.

Stk.	Mfr.	Length	Price
<b>311530</b>	777-6CVN	6-1/2"	<b>\$22.20</b>
<b>311532</b>	777-7CVN	7"	<b>\$23.30</b>



**Bent Nose Hobby Pliers**

**Great Neck** Drop-forged, heat-treated steel pliers are strong and durable. Polished head. Spring-action vinyl grips.

Stk.	Mfr.	Length	Price
<b>281009</b>	HBN4C	4-1/2"	<b>\$7.04</b>



**Curved Needle Nose Pliers**

**Crescent** Long thin nose is angled to get into out-of-the-way corners. Electronically induction hardened thin bent nose pliers with tempered jaws return to normal when pressure is released. Made of forged alloy tool steel and individually tested for strength. Polished head with plain handles.

Stk.	Mfr.	Length	Price
<b>311556</b>	888-6CVN	6"	<b>\$26.00</b>



**Lineman's/Electrician's Pliers w/Side Cutter**

**Great Neck** Precision drop-forged head with cutter. Ergonomic, double-molded grips.

Stk.	Mfr.	Length	Price
<b>281006</b>	E7C	7"	<b>\$7.94</b>
<b>281007</b>	E8C	8"	<b>\$9.32</b>



**ProTouch™ Lineman's/Electrician's Pliers**

**Vise-Grip**

Machined jaws for maximum gripping strength. Durable, nickel-chromium steel construction. Induction-hardened cutting edge stays sharp longer. ProTouch™ blue cushion grips provide extra comfort and reduced hand fatigue.

**Meets or exceeds ANSI specifications.**

Stk.	Mfr.	Length	Price
<b>619230</b>	2078208	8"	<b>\$13.20</b>
<b>619231</b>	2078209	9-1/2"	<b>\$17.00</b>



**Lineman's Pliers w/Rounded Nose**

**CHAN NEL LOCK**

Heavy-duty construction with perfectly mated cutters, heat-treated to retain edges. Fine polished precision made high carbon drop-forged steel. Channellock Blue® comfort grip handles. USA made.

Stk.	Mfr.	Length	Price
<b>301454</b>	347	7"	<b>\$29.40</b>
<b>301458</b>	348	8-1/2"	<b>\$33.50</b>



**Lineman's Pliers w/Side Cutter**

**Crescent** Designed for electrical work. Durable, keen and induction hardened cutting edges made of forged alloy steel with polished heads. Spring tempered, red cushion-grip handles.

Stk.	Mfr.	Length	Price
<b>308742</b>	50-7CVN	7"	<b>\$26.80</b>
<b>308809</b>	50-8CVN	8"	<b>\$28.50</b>



**High Leverage Side Cutting Pliers**

**Klein**

High leverage for greater cutting and gripping power. Induction hardened cutting knives for long life. Hot-rieveted joint for smooth action and wobble-free handle. Streamlined design for sure-gripping, cross-hatched knurled jaws. Plastic-dipped handles.

Stk.	Mfr.	Length	Price
<b>945037</b>	D213-9NE	9-1/4"	<b>\$34.10</b>



**Lineman's Pliers with Crimper & Fish Tape Puller**

**CHAN NEL LOCK**

Stripping holes in cutter for 12 AWG wire, another recess creates wire loops fast. Crimper/crusher for insulated and non-insulated terminals. Nose aligns fish tape without scoring while a joint path guides tape without bending, binding or breaking. Perfectly-mated, heat-treated knife/anvil cutter. High-gripping cross-hatch teeth. Non-binding joint. Polished high-carbon, drop-forged steel. Blue comfort grips.

Stk.	Mfr.	Length	Price
<b>301453</b>	369CRFT	9-1/2"	<b>\$44.80</b>



**Heavy-duty Fence Tool Pliers**

**Crescent** Necessary for fence work. Heavy prong will get behind most stubborn staples. Wire and staple can be gripped together.

Stk.	Mfr.	Length	Price
<b>312092</b>	1936-10VN	10"	<b>\$31.20</b>



**End Nipper Pliers**

**Great Neck** Precision drop-forged head for flush cutting and pulling. Ergonomic double-molded grips.

Stk.	Mfr.	Length	Price
<b>281008</b>	ENP6C	6"	<b>\$10.90</b>



### End Cutting Nippers

**Crescent** Width of blades, throat clearance, leverage ratio of handles to blades, size of rivet and angle of cutting edges produce a top quality cutting tool. Precision manufactured from forged alloy tool steel with electronically induction hardened cutting edges.

Stk.	Mfr.	Length	Price
309747	72-7CVN	7"	\$28.10



### Heavy-duty End Nippers

**CHAN NEL LOCK** Heavy-duty construction allows for easy cutting of large nails, small spikes and form tie wires. Perfectly-mated cutters. Precision made of high carbon drop-forged steel. Channellock Blue® comfort grips. USA made.

Stk.	Mfr.	Length	Price
301350	148-10	10"	\$34.00
301354	148-14	14"	\$50.60



### Groove Joint Pliers

**Great Neck** For gripping pipes and damaged nuts that may slip with an adjustable wrench or socket. Drop-forged, chrome-plated steel pliers with milled jaws. Multi-grooved to provide jaw opening choices. Double-molded grips.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
281012	W80C	8"	4	1-1/4"	\$6.93
281013	W120C	12"	6	1-3/4"	\$11.20



### Straight Jaw Tongue & Groove Pliers

**Crescent** Features more adjustment positions for a better fit and more versatility. Forged alloy steel with brushed finish for maximum durability and corrosion resistance. Precision milled ribs assure smooth, positive interlock. Self-locking jaw adjustment. Red non-slip cushion-grip handles.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
308480	R27CV	7"	6	1-5/16"	\$14.50
308481	R210CV	10"	6	1-13/16"	\$16.10
308482	R212CV	12"	8	3"	\$18.70
308483	R216CV	16"	10	4-1/2"	\$31.70

**3-Piece Set Includes** 7", 10" & 12".

308484	R200SET3				\$39.40
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### Straight Jaw Pliers

**CHAN NEL LOCK** Right angle teeth grip in all directions for maximum bite and minimum wear. Undercut tongue and groove design for no slip jaw action. Reinforced edge minimizes stress breakage. PermaLock® fastener prevents nut and bolt failures. Channellock Blue® comfort grips. USA made.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
301466	424	4-1/2"	3	1/2"	\$18.00
301470	426	6-1/2"	5	7/8"	\$15.60
301462	420	9-1/2"	5	1-1/2"	\$18.80
301463	421	9-1/2"	5	1-1/2"	\$22.00
301474	430	10"	7	2"	\$18.00
301486	440	12"	7	2-1/4"	\$20.50
301494	460	16"	8	4-1/4"	\$36.80

**2-Piece Set Includes** 6-1/2" & 9-1/2".

301440	GS-1				\$32.60
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**3-Piece Set Includes** 6-1/2", 9-1/2" & 12".

301441	GS-3				\$53.80
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301463|Safe-T-Stop&trade; to prevent finger pinching.



### Nutbuster™ Tongue & Groove Pliers

**CHAN NEL LOCK** Safe-T-Stop™ expanded reinforcing rib/jaw design prevents handles from touching, eliminating pinching fingers between the grips. Parrot nose jaws for strength and gripping power. Constructed of specially-treated, drop-forged steel for maximum strength and durability. PermaLock® fastener eliminates nut and bolt failure. Channellock Blue® comfort grip handles. USA made.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
301460	410	9-1/2"	4	1-1/8"	\$21.50
301461	414	14"	6	2"	\$35.00



### V-Jaw Pliers

**CHAN NEL LOCK** V-shaped jaw with undercut tongue and groove assures no-slip action on round stock and tubing. Right angle teeth grip in all directions for maximum bite, less wear. Reinforced edge minimizes stress breakage. PermaLock® fastener prevents nut and bolt failures. Channellock Blue® comfort grips.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
301464	422	9-1/2"	5	1-1/2"	\$19.10



### V-Jaw Tongue & Groove Pliers

**Crescent** Alloy steel jaws with induction-hardened teeth increase grip and torque. Precision-machined, joint interlock rivet assures smooth, positive joint action without slippage. Long, red non-slip, cushion-grip handles.

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
312090	R410CV	10"	6	1-3/16"	\$16.40



### GrooveLock Pliers

**Vise-Grip** Quick-adjust Press-N-Slide™ jaw. Multi-groove ratcheting system, ProTouch™ soft grips. Anti-pinch design.

#### V-Jaw

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
619477	2078108	8"	13	1"	\$15.80
619478	2078110	10"	16	1-1/2"	\$19.00
619479	2078112	12"	19	2"	\$22.80

#### Straight Jaw

Stk.	Mfr.	Length	Jaw Positions	Jaw Capacity	Price
619463	4935095	8"	13	1-3/4"	\$15.80
619464	4935096	10"	16	2-1/4"	\$19.00
619465	4935098	12"	19	2-1/4"	\$20.50



### 8-Piece Pliers Set

#### Vise-Grip

**Includes** 3 GrooveLock pliers (8", 10" & 12"), 10" adjustable wrench, 8" long nose pliers, 8" lineman's pliers, 6" diagonal cutter, 6" slip joint pliers & vinyl pouch.

Stk.	Mfr.	Price
619485	2078712	\$123.00



### 4-Piece Pro Choice Pliers Set

#### CHAN NEL LOCK

**Includes** 8" long nose plier, 7" cutting plier, 9-1/2" tongue & groove plier, 8" slip joint plier.

Stk.	Mfr.	Price
301368	PC-2	\$89.20



### 8-Piece Tool Roll Pliers Set

**CHAN-NEL-LOCK**

**Includes** 3 tongue & groove pliers (6-1/2", 9-1/2" & 12"), 8" long nose plier, 7" cutting plier, 9-1/2" linemen's plier, 7-1/2" end cutting plier/nipper, 8" adjustable wrench & tool pouch.

Stk.	Mfr.	Price
<b>301380</b>	TOOL ROLL NO. 8	<b>\$170.00</b>



**619335**



**619000**

### The Original Locking Pliers

**Vise-Grip** Straight jaws provide maximum contact on flat, square or hex work. Constructed of high-grade heat treated alloy steel for maximum toughness and durability. Hardened teeth grip any angle. Guarded release trigger quickly unlocks and protects from accidental release. Turn screw adjustment stays put for repetitive use. USA made.

#### Straight Jaw

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619134</b>	7R	7"	1-1/8"	<b>\$12.10</b>
<b>619335</b>	10R	10"	1-5/8"	<b>\$12.30</b>

#### Curved Jaw w/Cutter

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>618997</b>	4WR	4"	15/16"	<b>\$12.40</b>
<b>619000</b>	5WR	5"	1-1/8"	<b>\$13.90</b>
<b>619140</b>	7WR	7"	1-1/2"	<b>\$12.10</b>
<b>619340</b>	10WR	10"	1-7/8"	<b>\$12.30</b>

#### Curved Jaw

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619131</b>	5CR	5"	1-1/8"	<b>\$12.50</b>
<b>619132</b>	7CR	7"	1-5/8"	<b>\$12.10</b>
<b>619333</b>	10CR	10"	1-7/8"	<b>\$12.30</b>



**310625**



**310627**

### Locking Pliers

**Crescent** Nickel-plated finish resists rust and corrosion. Maximum jaw opening meets ASME standards. Angled tooth pattern provides secure grip. Precisely machined ferrule for fine jaw adjustment. Non-slip, compound locking grip.

#### Straight Jaw

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>310625</b>	C7SV	7"	1-5/16"	<b>\$14.00</b>
<b>310626</b>	C10SV	10"	1-3/4"	<b>\$15.50</b>

#### Curved Jaw w/Wire Cutter

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>310627</b>	C5CV	5"	1-1/4"	<b>\$13.20</b>
<b>310628</b>	C7CV	7"	1-5/8"	<b>\$15.00</b>
<b>310629</b>	C10CV	10"	1-7/8"	<b>\$15.90</b>



### Fast Release™ Curved Jaw Locking Pliers

**Vise-Grip** Easy-to-open, no-pinch Fast Release™ with more finger room. Jaw with hardened teeth exerts tremendous pressure on 4

points of any nut or bolt. No-slip ProTouch™ handle provides comfort and leverage, reduces vibration and hand fatigue. Turn screw adjusts pressure, maintains position for repetitive use. Rugged high-grade, heat-treated alloy steel.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619343</b>	09T	5"	1-1/8"	<b>\$14.40</b>
<b>619342</b>	07T	7"	1-1/2"	<b>\$14.80</b>
<b>619341</b>	05T	10"	1-7/8"	<b>\$15.00</b>



### The Original™ Large Jaw Locking Pliers

**Vise-Grip** Heavy-duty jaw grips around work of all shapes. Ideal for plumbers, mechanics,

welders and others working with large objects. Constructed of high-grade heat treated alloy steel for maximum toughness and durability. Hardened teeth grip any angle. Guarded release trigger quickly unlocks and protects from accidental release. Turn screw adjustment stays put for repetitive use. USA made.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619420</b>	12LC	12"	3-1/8"	<b>\$18.60</b>



### The Original™ Long Nose Locking Pliers w/Wire Cutter

**Vise-Grip** Long straight nose provides easy

access in narrow hard-to-reach places. Ideal for precision work. High-grade heat treated alloy steel for maximum toughness and durability. Hardened teeth grip any angle. Guarded release trigger quickly unlocks to protect from accidental release. Turn screw adjustment stays put for repetitive use. USA made.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>618995</b>	4LN	4"	1-5/8"	<b>\$13.30</b>
<b>619067</b>	6LN	6"	2-1/4"	<b>\$12.70</b>
<b>619260</b>	9LN	9"	2-7/8"	<b>\$15.20</b>



### Fast Release™ Long Nose Locking Pliers w/Cutter

**Vise-Grip** Easy-open, no-pinch release. Long straight nose for hard-to-reach spots. No-slip

ProTouch™ handle reduces vibration and fatigue. Adjustable turn screw stays put for repetitive use.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619344</b>	14T	6"	2"	<b>\$15.50</b>



### The Original™ Locking Pinch-off Tool

**Vise-Grip** Locks on and pinches tubing off instantly. High-grade heat treated alloy steel for

durability. Hardened teeth to grip at any angle. Guarded trigger releases quickly and protects from accidental release. Turn screw adjustment stays put for repetitive use. USA made.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619476</b>	RR	8"	3-1/8"	<b>\$16.10</b>



### Locking Pliers Set

**Crescent** Nickel-plated finish resists rust and corrosion. Maximum jaw opening meets ASME standards. Angled tooth pattern provides secure grip. Precisely machined ferrule for fine jaw adjustment. Non-slip, compound locking grip. All pliers have wire cutters.

**3-Piece Includes** 5", 7" & 10" curved jaw pliers.

Stk.	Mfr.	Price
<b>310638</b>	CLP3SET	<b>\$32.00</b>

**5-Piece Includes** 5", 7" & 10" curved jaw pliers, plus 6" & 9" long nose pliers.

Stk.	Mfr.	Price
<b>310639</b>	CLP5SET	<b>\$50.50</b>





### The Original™ Locking Pliers Sets

**Vise-Grip** High-grade alloy steel, heat-treated for maximum durability. Hardened teeth to grip at any angle. Adjustable turn screw stays put for repetitive use. Guarded trigger releases quickly and protects from accidental release.

**3-Piece Set Includes** 10" locking pliers, 7" straight jaw locking pliers & 6" long nose locking pliers.

Stk.	Mfr.	Price
<b>619204</b>	323S	<b>\$45.90</b>

**3-Piece Set w/Pouch Includes** 2 curved jaw locking pliers w/wire cutter (5", 10") & 6" long nose locking pliers w/wire cutter.

Stk.	Mfr.	Price
<b>619601</b>	73	<b>\$43.10</b>

**5-Piece Set w/Pouch Includes** 10" straight jaw locking pliers, 10" curved jaw locking pliers, 2 curved jaw locking pliers w/wire cutter (5", 7") & 6" long nose locking pliers.

Stk.	Mfr.	Price
<b>619579</b>	538KBT	<b>\$67.00</b>

**6-Piece Set w/Pouch Includes** 5" curved jaw, 2 long nose (6", 9"), 2 curved jaw w/wire cutter (4", 10") & 7" straight jaw.

Stk.	Mfr.	Price
<b>619602</b>	641	<b>\$75.70</b>

**7-Piece Set w/Pouch Includes** 12" large jaw locking pliers, 6" long nose locking pliers, 3 curved jaw locking pliers w/wire cutter (5", 7", 10") & 2 locking wrench w/wire cutter (7", 10").

Stk.	Mfr.	Price
<b>619605</b>	757KB	<b>\$95.90</b>

**10-Piece Set w/Pouch Includes** 11" locking C-clamp, 9" long nose pliers w/wire cutter, 3 curved jaw pliers w/wire cutter (5", 7", 10"), 3 straight jaw pliers (6", 7", 10") & 2 locking wrench pliers (6", 7").

Stk.	Mfr.	Price
<b>619203</b>	1078KB	<b>\$150.00</b>



### Locking Sheet Metal Clamp

**Crescent** Rust resistant, nickel-plated finish. Maximum jaw opening meets ASME standards.

Precisely machined femule for fine jaw adjustment. Compound action for powerful non-slip locking grip.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>310636</b>	C8SMV	8"	3/4"	<b>\$20.40</b>



### The Original™ Locking Sheet Metal Tool

**Vise-Grip**

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619201</b>	8R	8"	3-1/8"	<b>\$17.90</b>



### Locking Sheet Metal Tool

**Pony** Tempered, hardened, drop-forged alloy steel. Precision jaws. Nickel finish.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>193300</b>	11-410	10"	1-1/2"	<b>\$13.50</b>



### Retaining Ring Pliers Set

**CHAN NET LOCK** Converts from internal to external rings with the switch of a tab.

For external rings 1/4" to 2", internal rings 3/8" to 2".

**Includes** 6 tip sets (.036", .047" & .070 straight tips, .036", .047" & 90° tips).

Stk.	Mfr.	Price
<b>301540</b>	927	<b>\$33.40</b>



### Snap Ring Pliers

**Lisle** Combination tool for internal and external snap rings that can compress internal rings and expand external rings. Quick-change reversing lever.

**Includes** 4 tip sets (.045" & .060" straight tips, .045" 45° tips & .035" 90° tips).

Stk.	Mfr.	Price
<b>503872</b>	46000	<b>\$15.20</b>



### Convertible Retaining Ring Pliers Set

**Proto** Patented plier design permits quick change-over to work internal or external rings. Each plier offers several ring sizes. Precision-formed, induction hardened tips for accurate fit and long wear. Tips engage rings securely and hold proper alignment preventing rings from flying loose. Long, ergonomic handles with cushion-grips are clearly marked. Pliers range from 5-7/8"L to 8-5/8"L.

**Includes** molded case plus, 1 pair each tip size in 0°, 45° & 90° angles: 038", .047", .070" & .090".

Stk.	Mfr.	Price
<b>903060</b>	360B	<b>\$400.00</b>



### 16-Piece Pliers & Tips Set

**OTC** Steel, heat-treated internal and external retaining ring pliers with tips to handle many applications.

**Includes** internal ring pliers, external ring pliers & 16 tip sets (four .038" 90° tips, four .047" 45° tips, plus eight ea. of .047" & .070" straight tips).

Stk.	Mfr.	Price
<b>693317</b>	7053K	<b>\$58.00</b>

## SNIPS



### MultiMaster® Snips

**Wiss** Combine the long cut of tinner's snips with the strength of compound action and increase force of the hand by 5 times. Great for making long, fast cuts in paper, plastic, sheet metal, aluminum, vinyl siding, screening and more. Nonslip, serrated jaws cut up to 20 ga. steel. Comfort textured grips.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307016</b>	M300	3"	10-1/2"	Straight	<b>\$22.60</b>



### Aviation Snips

**Stanley** Cuts up to 18 ga. cold-rolled steel or 23 ga. stainless-steel. Forged chrome molybdenum steel cutting blades for strength, durability & long cutting life. Serrated cutting blades provides a sturdy bite to prevent material from slipping during use. Color-coded, slip-resistant bi-material grip. Mfr.'s. limited lifetime warranty.

**Meets or exceeds ANSI standards.**

Stk.	Mfr.	Overall Length	Type	Price
<b>846810</b>	14-562	12"	Left Cut	<b>\$13.80</b>
<b>846811</b>	14-563	12"	Straight Cut	<b>\$13.80</b>
<b>846812</b>	14-564	12-1/2"	Tight Right Cut	<b>\$13.80</b>



**Aviation Pattern Snips**

**Irwin** Durable hot drop-forged steel blades, precision-ground for strength. Ergonomic

ProTouch™ grips provide control, reduced fatigue. Serrated blades assure smoother cuts without double marked edges. Long-life spring. 1-hand safety latch is accessible from grips. Cuts up to 18 ga. cold-roll steel, 23 ga. stainless steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
619496	2073111	1-5/16"	10"	Left	\$15.80
619497	2073112	1-5/16"	10"	Right	\$15.80
619498	2073113	1-5/16"	10"	Straight	\$15.80



**Metalmaster® Snips**

**Wiss** Non-slip serrated jaws are made of wear-resistant molybdenum steel. Handles are

made of high strength steel with non-slip textured grips and hang hole. Self-opening action. Safety latch. Left and right cutting styles cut from tight curves to straight.

**Compound Action** For cutting up to 18 ga. steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
307004	M1R	1-3/8"	9-3/4"	Left	\$22.50
307010	M2R	1-3/8"	9-3/4"	Right	\$22.50
307015	M3R	1-3/8"	9-3/4"	Straight	\$22.50

**Bull Dog** For notching or trimming up to 16. ga. heavy steel.

307020	M5R	7/8"	9-1/4"	Straight	\$27.70
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**Special Series** For cutting up to 18 ga. exotic steel. Hardened steel.

307003	M1RS1	1-3/8"	9-3/4"	Left	\$36.30
307005	M2RS1	1-3/8"	9-3/4"	Right	\$36.30



**Metalmaster® Vertical Compound Action Snips**

**Wiss** Pro Series vertical compound action snips cut up to 22 ga. cold rolled steel with less fatigue. Unique blade design gives greater mechanical advantage. Comfort-grip handles. Locking blade. 4x longer spring life. USA made.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
307030	M8R	1.7"	8.5"	Straight/Left	\$34.20
307031	M9R	1.7"	8.5"	Straight/Right	\$33.90



**Metalmaster® Offset Snips**

**Wiss** Offset blades keep hands clear of metal. Non-slip serrated jaw of tough molybdenum

steel withstands strain of cutting 18 ga. low-carbon cold rolled steel and tight curves. Spring-action for fast, effortless feed. High tensile strength steel handle with textured comfort grips. Safety latch.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
307021	M6R	1-1/4"	9-1/4"	Straight/Left	\$26.10
307022	M7R	1-1/4"	9-1/4"	Straight/Right	\$26.10



**ProTouch™ Offset Snips**

**Irwin** Durable hot drop-forged steel blades, precision-ground for strength. Ergonomic

ProTouch™ grips provide control, reduced fatigue. Serrated blades assure smoother cuts without double marked edges. Long-life spring. 1-hand safety latch is accessible from grips. Cuts 18 ga. in cold-rolled steel, 23 ga. in stainless steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
619501	2073211	1-5/16"	9-1/2"	Left	\$17.70
619502	2073212	1-5/16"	9-1/2"	Right	\$17.70

619100



619488



**Tinner Snips**

**Irwin**

**Flat Blade** Forged of high-quality tool steel. Polished blades are ground for a keen, strong edge that retains its sharpness. Powerful leverage for smooth, even cuts. Cushion-grip handles.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
619100	007	2"	7"	Straight/Wide Curves	\$13.70
619320	010	2-1/4"	10"	Straight/Wide Curves	\$16.00
619415	012	3"	12-3/4"	Straight/Wide Curves	\$20.20

**Duckbill Blade** Hot drop-forged high-carbon steel duckbill (thin) blades are precision-ground for hollow and bow to insure a tight grip on materials and cleaner cuts. Specially heat-treated for uniform blade hardness.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
619488	207	2"	7"	Straight/Tight Curves	\$13.50
619491	210	2-1/4"	10"	Straight/Tight Curves	\$16.50
619493	212	3"	12-3/4"	Straight/Tight Curves	\$20.50



**Straight Pattern Snips**

**Wiss** High-quality forged tool steel. Ground polished blades for a keen, strong edge that retains its sharpness. Powerful leverage for smooth, even cuts. Cushion-grip handles.

Stk.	Mfr.	Cutting Length	Overall Length	Price
307536	A-13N	1-1/4"	7"	\$20.40
307268	A-11N	2-1/4"	10"	\$25.10
307187	A-10N	2-1/2"	11"	\$29.60
307134	A-9N	3"	12-1/2"	\$30.20



**Bulldog Pattern Snips**

**Wiss** Forged of high-quality tool steel for industrial use. Polished blades are ground for a keen, strong edge that retains its sharpness.

Powerful leverage for smooth, even cuts. Cushion-grip handles.

307024	W-5N	2-1/2"	16-1/2"	\$68.50
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**Duckbill Circular Cutting Snip**

**Wiss** Cut moderately tight curves left or right in light stock as well as straight. Blades of finest hot drop-forged steel, individually hand edged

for maximum cutting. Comfort cushion-grip handle.

307205	V-10N	2-1/4"	10-1/4"	\$20.90
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## WIRE STRIPPERS, CRIMPERS & CUTTERS



### Electrician's Tool

**Craftsman** Long, curved cutter requires less force than other tools. 5 bolt cutting stations.

Strips & crimps AWG wire: 10-20.

Stk.	Mfr.	Price
<b>305810</b>	82563	<b>\$23.40</b>



### Multi-purpose Wiring Tool

**CHAN NEL LOCK** Strips wire with no damage to conductor. Scissor-type blades are precision ground and heat-treated to hold their edge.

Cuts machine bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32 & 10-24 without damaging threads. Crimps both insulated and non-insulated wire. Channellock Blue® comfort grips. USA made.

Strips AWG wire sizes: 10, 12, 14, 16, 18, 20 & 22.

Stk.	Mfr.	Length	Price
<b>301522</b>	908	8-1/4"	<b>\$22.70</b>



### Crimping Tool

**CHAN NEL LOCK** Precision-forged high grade

carbon tool steel. Designed for crimping of both insulated and non-insulated solderless connections and terminals on 10 to 22 AWG wire. Crimping nest is specially hardened. Cutters in nose are honed and hardened to hold clean-cutting edge over many cuts. Slim nose permits crimping in small spaces. Channellock Blue® comfort grips. USA made.

Crimps AWG wire sizes: 10 to 22 (4.0 to .34mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>301523</b>	909	9-3/4"	<b>\$28.00</b>

### Crimping Pliers



**Gardner Bender** Crimp insulated or non-insulated terminals on 10 to 22 AWG wire. Cuts copper and aluminum wire. Tapered nose. Comfort grips.

Crimps AWG wire: 10 to 22.

Stk.	Mfr.	Length	Price
<b>416719</b>	GS-388	8"	<b>\$11.50</b>



### Dual Purpose Wire Stripper/Cutter

**CHAN NEL LOCK** Cuts copper wire only. Precision-ground, heat treated scissor-type blades

hold their edge. Lean nose pulls and loops wire ends. Precision wire stripping holes. AWG and mm wire gauge sizes are painted and embossed. Blue comfort grips. USA made.

Strips AWG wire: 10, 12, 14, 16, 18, 20 (.80, 1.0, 1.3, 1.6, 2.0, 2.6mm).

Stk.	Mfr.	Length	Price
<b>301560</b>	958	6"	<b>\$16.00</b>



### Adjustable Wire Stripper Cutter

**Klein** Lightweight, compact tool with convenient hole for looping or bending wire. Adjustable slide stop with set screw for repeat

stripping work. Black-oxide finish with yellow plastic grips.

Strips AWG solid & stranded wire: 12-26 (2.5 to 0.14mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945117</b>	1004	5"	<b>\$11.70</b>



### Locking Wire Stripper

**Gardner Bender** Strips solid or stranded

wire. Precision stripping stations with laser-etched markings. Comfort high-leverage locking handles and power spring return reduce hand fatigue. Looping hole forms wire to fit on screw terminal.

Strips AWG wire: 10-20.

Stk.	Mfr.	Length	Price
<b>416728</b>	GS-360	6"	<b>\$13.40</b>



### Multi-Tool Stripper/Crimper/Cutter

**Irwin** Induction hardened cutting stay-sharp edge. Pliers-style nose allows pulling and loop-

ing in wire. Cuts bolts to size and leaves perfect lead thread. Crimps insulated, non-insulated terminals. ProTouch™ comfort grips reduce fatigue.

Strips/cuts AWG wire: 10-22.

Meets or exceeds ANSI standards.

Stk.	Mfr.	Length	Price
<b>619484</b>	2078309	8-1/2"	<b>\$13.50</b>



### Multi-Tool Stripper/Cutter/Crimper

**Gardner Bender** Pliers nose for pulling and looping wire. Curved cutting blade. Comfort high-leverage handles. Crimps insulated and

non-insulated terminals and coaxial F connectors. Precision-ground stripping stations prevent nicking conductor. Cuts, rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24 and 10-32.

Strips/cuts AWG wire: 10-22.

Stk.	Mfr.	Length	Price
<b>416729</b>	GS-370	8-1/2"	<b>\$16.30</b>



### Multi-purpose Electrician's Tool

**Klein** Two wire cutters - 1 at tip, the other

near the stripping holes double the use of this tool. It features left- and right-hand wire-looping holes near the tip, full-sized plastic-covered handles for comfort, easy-read markings and color-coded crimping dies for easy identification. Pivot nut adjusts tension.

- Crimps insulated & non-insulated terminals (including 7-8 mm ignition terminals), lugs & splices

- Cuts wire & bolts size 6-32, 8-32, 10-32, 10-24, 4-40

Strips AWG solid wire: 8-22 (6.0 to .34mm<sup>2</sup>) & AWG stranded wire: 10-26 (4.0 to .14mm<sup>2</sup>).

**Grips do not protect against electric shock.**

Stk.	Mfr.	Length	Price
<b>945115</b>	1001	8-1/2"	<b>\$31.90</b>



### Klein-Kurve® Dual NM Cable Stripper Cutter

**Klein** 12/2 and 14/2 stripping slots quickly

remove outer jacket of Type NM-B non-metallic-sheathed cable. Cleanly shears 6-32 and 8-32 screws. Strips, cuts and loops 12 and 14 AWG solid wire.

- Curved handles & narrow nose help reach into confined areas

- Strong-gripping serrated nose easily bends, shapes & pulls wire

- Coil spring provides fast self-opening action

- Comfort grips

Strips AWG wire: 12 & 14.

Stk.	Mfr.	Length	Price
<b>945151</b>	K1412	7-3/4"	<b>\$31.50</b>



**6-in-1 Stripper Cutter**

**Klein** Shears bolts clean, measures stud sizes, cuts and strips wire, gauges wire sizes and crimps insulated terminals. Cuts bolt sizes 10-24, 10-32, 8-32, 6-32 and 4-40. Plastic covered handles for comfort.

Strips AWG wire: 10 to 22 (4.0 to .34mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945114</b>	1000	7-1/2"	<b>\$28.40</b>

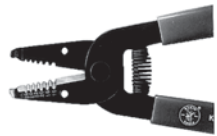


**6-in-1 Combination Pliers**

**Milwaukee** Features dual-head design for wire stripping and needle nose functionality. Reamer, wire stripper, bolt cutter, pliers and loop maker are combined into one tool. 1-hand locking. Smooth metal pipe edges from 1/2" to 1" and cut 6-32 & 8-32 bolts. Rust resistant. Mfr.'s limited lifetime warranty.

Strips AWG solid wire: 10-18 & AWG stranded wire: 12-20.

Stk.	Mfr.	Price
<b>577495</b>	48-22-3069	<b>\$33.80</b>



**Wire Stripper/Cutters**

**Klein** Gauges, cuts, strips and loops wire. Spring-loaded, self-opening action. Easy-store and carry flat design. Narrow nose fits into tight places. Strips wire quickly, cleanly, evenly. Strong hardened steel with precision-ground stripping holes. Clear gauge markings on both sides. Black oxide finish. Plastic-dipped handles.

**Stranded Wire** Strips AWG stranded wire: 16, 18, 20, 22, 24, 26 (1.0 to .14mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945315</b>	11046	6-1/4"	<b>\$18.10</b>

**Solid Wire** Strips AWG solid wire: 10, 12, 14, 16, 18 (4.0 to .75mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945316</b>	11045	6-1/4"	<b>\$17.20</b>



**Heavy-duty Cable Cutters**

**CHANNELOCK** Designed for maximum cutting power with minimum effort. Features broader handles and closely-mated cutters for better leverage and extra comfort. Induction-hardened cutting edges are made from special grade carbon steel to permit clean, accurate cuts with minimum cable distortion. Channellock Blue® plastic cushion-grips.

Cuts up to 4/0 aluminum, up to 2/0 soft copper. Not for steel or ACSR cable.

Stk.	Mfr.	Length	Price
<b>301525</b>	911	9-1/2"	<b>\$34.00</b>



**High-leverage Cable Cutter**

**Klein** Special high-leverage design gives this cutter amazing cutting capability for its size. Ideal for working in confined spaces. Tough, comfortable, red plastic-dipped handles.

Cuts up to 4/0 aluminum, up to 2/0 soft copper. Not for steel or ACSR cable.

Stk.	Mfr.	Length	Price
<b>945350</b>	63050	9-1/2"	<b>\$38.50</b>



**NM Cable Ripper**

**Gardner Bender** Slits outer covering of Romex® cable (all sizes) and nonmetallic (type NM) sheathed cable. Gauge on handle checks and strips 6-14 AWG wire. Nickel-plated finish resists corrosion.

Stk.	Mfr.	Length	Price
<b>416715</b>	CRC-100	4"	<b>\$2.44</b>



**Bolt Cutters**

**JET** Heavy-duty cutters tackle concrete reinforcing rods (rebar), medium tensile and soft bolts, rods, rivets, bars and chains. High-carbon, alloy tool steel jaws. Maximum hardness of material to be cut is Rockwell C-40. Steel angled handles with rubber hand grips for maximum leverage.

**Exceeds Specification No. GGG-C 740d Type II. Capacity listed for round stock.**

Stk.	Mfr.	Capacity	Length	Price
<b>485999</b>	BC-24BC	3/8"	24"	<b>\$55.80</b>
<b>486000</b>	BC-30BC	1/2"	30"	<b>\$67.50</b>
<b>486001</b>	BC-36BC	5/8"	36"	<b>\$86.10</b>

**Center Cut**

Stk.	Mfr.	Capacity	Length	Price
<b>485998</b>	BC-18BC	5/16"	18"	<b>\$44.20</b>

**INSPECTION & RETRIEVING TOOLS**



**Precision Tweezers**

**General** Fine quality tweezers with a strong point bevel.

Stk.	Mfr.	Length	Price
<b>418762</b>	401AA	5"	<b>\$9.22</b>



**Industrial Tweezers**

**General** Quality tweezers for toolmakers, mechanics, electronic assemblers, repairmen & hobbyists.

Stk.	Mfr.	Item	Length	Price
<b>418764</b>	408	Bent Nose	4-1/2"	<b>\$7.22</b>
<b>418766</b>	410	Narrow Sharp Point Nose	4-1/4"	<b>\$5.94</b>



**Lighted Tweezers Set**

**General** Built-in LED illuminates work area. Made from heat-treated steel w/corrosion-resistant black finish. Non-slip cushion grip.

**Includes** serrated bent tip, serrated blunt tip & smooth pointed tip tweezers.

Stk.	Mfr.	Item	Price
<b>418880</b>	70400	3-Piece Set	<b>\$30.00</b>



**Tweezers Set**

**General** Assorted nickel-plated steel tweezers set in a clear vinyl pouch.

Stk.	Mfr.	Item	Price
<b>418770</b>	C421	6-Piece Set	<b>\$41.40</b>



**Telescoping Alligator Clip**

**General** Features a pocket clip for easy carrying. Nickel-plated body prevents rust. Jaw capacity is .170".

Stk.	Mfr.	Length	Price
<b>418760</b>	400	5-1/2" - 24"	<b>\$7.53</b>

## TOOL BELTS & WORK APRONS



### ArmorMAX™ Polyester Tool Belt

**Irwin** Heavy-duty tool belt with easy access triple-pocket design. Washable. Hammer holder and leather belt.

*Shown w/tools, sold separately.*

Stk.	Mfr.	Price
<b>452718</b>	4031049	<b>\$55.60</b>



### Construction Apron

**McGuire-Nicholas** Apron features 11 pockets, heavy-duty suede leather, 2 extra large flared main nail pockets, 2 medium-sized front nail pockets, 6 small tool pockets, 2 hammer

loops and a tape pocket for 16'-25' tape rule. Double-stitched main pockets and extra rivet reinforcement throughout. Fully adjustable polyweb belt with quick release buckle.

Stk.	Mfr.	Price
<b>532311</b>	490	<b>\$25.80</b>



### 7-Pocket Tool Pouch

**Klein** Soft, pliable, white leather pouch is riveted to assure long life. Moisture-resistant leather retains flexibility even after being wet and dried. Features riveted heavy-duty, chain tape thong and 2-1/4" tunnel loop belt connection. 7" x 9-1/2".

Stk.	Mfr.	Price
<b>945287</b>	5166	<b>\$62.40</b>



### Hammer Holder

**McGuire-Nicholas** Heavy, top grain saddle leather with steel cradle loop hammer/hatchet holder. Rivet reinforcement and 2-1/4"W belt slots.

Stk.	Mfr.	Price
<b>532285</b>	439	<b>\$5.00</b>



### Polyweb Belt

**McGuire-Nicholas** 2"W polyweb work belt. Quick-release buckle. Adjustable to fit sizes up to 46".

Stk.	Mfr.	Price
<b>532320</b>	506	<b>\$5.43</b>



### Lightweight Tool Belt

**Klein** Leather belt holds a lightweight tool pouch. Fits 33" to 45" waist. 1"W.

Stk.	Mfr.	Price
<b>945277</b>	5201	<b>\$14.00</b>



### 5-Pocket Waist Apron

**McGuire-Nicholas** Heavy-duty 10 oz. 100% cotton canvas, double-stitched and rivet reinforced at major stress points. Strong polypropylene hammer loops on right and left sides.

*Shown w/tools, sold separately.*

Stk.	Mfr.	Price
<b>532225</b>	CI4	<b>\$5.16</b>



### 2-Pocket Waist Apron

**McGuire-Nicholas** Heavy-duty 10 oz. 100% cotton canvas, double-stitched and rivet reinforced at major stress points.

Stk.	Mfr.	Price
<b>532228</b>	CI7	<b>\$2.92</b>

## TOOL KITS



### Bricklayer's Apprentice Tool Kits

**Marshalltown** With these tools, students can learn the art of bricklaying just like the pros. USA made.

**Includes** tool bag, 11" London trowel, 250' line w/winder, 6" x 2-3/4" pointing trowel, 5" x 2" margin trowel, 1/2" x 5/8" brick jointer, wood line blocks, masonry brush, joint raker & Marshalltown "Tips" book.

#### Kit w/Nylon Tool Bag

Stk.	Mfr.	Item	Price
<b>528341</b>	BTK2	Kit w/Nylon Tool Bag	<b>\$129.00</b>

#### Kit w/Canvas Tool Bag

Stk.	Mfr.	Item	Price
<b>528340</b>	BTK1	Kit w/Canvas Tool Bag	<b>\$140.00</b>

### Concrete Apprentice Tool Kits

**Marshalltown** All the tools necessary to teach the skills of the trade. USA made.

**Includes** tool bag, 14" x 4" finishing trowel, 15" x 2" margin trowel, 16" x 3-1/8" magnesium float, 12" x 5" wood float, 6" x 3" concrete groover, 1/2" groove, 6" x 3" curved end edger, 3/8" radius & Marshalltown "Tips" book.

#### Kit w/Canvas Tool Bag

Stk.	Mfr.	Item	Price
<b>528342</b>	CTK2	Kit w/Canvas Tool Bag	<b>\$152.00</b>

#### Kit w/Nylon Tool Bag

Stk.	Mfr.	Item	Price
<b>528352</b>	CTK3	Kit w/Nylon Tool Bag	<b>\$141.00</b>

### Drywall Apprentice Tool Kits

**Marshalltown** Every tool you'll need to teach basic drywalling. USA made.

**Includes** tool bag, 12" stainless steel mud pan, 15" drywall saw, adjustable utility knife, 9-3/8" x 3-1/4" hand sander, 10" x 3" blue steel taping knife, 6" joint knife, 6" RockWarrior™ utility saw & Marshalltown "Tips" book.

#### Kit w/Canvas Tool Bag

Stk.	Mfr.	Item	Price
<b>528344</b>	DTK3	Kit w/Canvas Tool Bag	<b>\$114.00</b>

#### Kit w/Nylon Tool Bag

Stk.	Mfr.	Item	Price
<b>528353</b>	DTK4	Kit w/Nylon Tool Bag	<b>\$114.00</b>



**Canvas Tool Bag**

**Marshalltown** Heavy-duty canvas bag with lock stitched seams and a waterproof masonite bottom. Handles, billets and buckles are riveted on a 12 ga. steel frame. Inside pocket. USA made.

Stk.	Mfr.	Size	Price
528566	831	20"W x 15"D	\$51.70



**Nylon Tool Bag**

**Marshalltown** 14 multi-purpose inside pockets, 6 outside pockets and 4 outside web pockets. Double-layered, water-resistant nylon with reinforced bottom panel. Padded handles and adjustable shoulder strap.

Stk.	Mfr.	Size	Price
528558	NB203	24"W x 10-1/2"D	\$50.60



**Carpenter's Starter Tool Set**

**Midwest** Basic tools for the beginning carpenter, supplied in a tool box. 1 each of the following items is included with this set.

Stk.	Mfr.	Price
558360	MWCSS-1	\$499.00

**Complete Set of Tools for MWCSS-1**

<b>Adjustable Clamp</b> 1 Stair Gauge Sets	<b>Master Lock</b> 1 Padlock	1 Coping Saw
<b>Alvin</b> 1 Architect's Scale	<b>McGuire-Nicholas</b> 1 Carpenter's Tool Belt	1 Hammer, Curve Claw, 16 oz.
<b>Ames</b> 1 Nail Puller, 11"	<b>Nicholson</b> 1 Hack Saw	1 Level, 24"
<b>Great Neck</b> 1 Utility Bar, 15"	1 Handsaw, 8 pt.	1 Nail Set
<b>Irwin</b> 1 Chalk Reel, 100"	1 Wood Rasp, 4-Way	1 Scratch Awl
1 Drill Bit Set, 13 Pc.	<b>Proto</b> 1 Carpenter's Box, Metal	1 Screwdriver, 3" x 3/16"
1 Pliers, Slip Joint, 6"	<b>Sellstrom</b> 2 Safety Glasses, Black	1 Screwdriver, 4" x 1/4"
<b>Johnson</b> 1 Rafter Square, 7"	<b>Stanley</b> 1 Block Plane	1 Screwdriver, 6" x 3/16"
<b>Linzer</b> 1 Varnish Brush, Black China, 2"	1 Chalk, Red, 8 oz.	1 Screwdriver, 6" x 5/16"
1 Varnish Brush, Poly/Nylon, 2"	1 Chisel Set, 3 Pc.	1 Square
	1 Combination Square	1 Steel Tape, 100"
		1 Steel Tape, 25"
		1 Utility Knife
		1 Wrecking Bar, 3/4" x 30"



**Electronics Tool Box Kit**

**Midwest** Electronics tool set supplied in a tool box. 1 each of the following items is included with this set.

Stk.	Mfr.	Price
558357	MW-ETB	\$395.00

**Complete Set of Tools for MW-ETB**

<b>Alpha Metals</b> 1 60-40 Rosin Solder, 1/2 lb.	<b>Irwin</b> 1 Long Nose Pliers, 6"	<b>Stanley</b> 1 Fiberglass Hammer, 16 oz.
<b>Crescent</b> 1 Comb. Screwdriver Set, 4 pc.	1 Slip Joint Pliers, 8"	1 Mini Pliers Set, 6 pc.
<b>Eklind</b> 1 Inch/Metric Hex Key, 16 pc.	<b>Johnson</b> 1 Sal Ammoniac Bar, 1/2 lb.	1 Multi-bit Screwdriver, 10 pc.
<b>Elenco</b> 1 Solder Wick, 5'	<b>Lufkin</b> 1 Quickread Tape Rule, 1" x 25"	1 Utility Knife
<b>Gardner Bender</b> 1 Digital Multi-meter	<b>Nicholson</b> 1 General Purpose Hacksaw	<b>Steiner</b> 1 Denim Shop Apron, 29" x 40"
1 Stripper/Crimper, 8-1/2"	<b>Plano</b> 1 Plastic Tool Box, 26"	<b>Weller</b> 1 Desoldering Bulb
<b>General</b> 1 Precision Screwdrivers, 7 pc.	<b>Pony</b> 1 Adjustable Wrench, 8"	1 Soldering Station
1 Stainless Steel Rule, 12"	<b>Sellstrom</b> 1 Clear Safety Glasses	<b>Wiss</b> 1 Easy Snip Utility Shear, 9"
		<b>X-Acto</b> 1 X-tra Hands w/Magnifier

**Woodworking Tool Box Kit**

**Midwest** Woodworking tool set supplied in a tool box. 1 each of the following items is included with this set.



Stk.	Mfr.	Price
558356	MW-WTB	\$395.00

**Complete Set of Tools for MW-WTB**

<b>Crescent</b> 1 Comb. Screwdriver Set, 4 pc.	<b>Nicholson</b> 1 1/2-Rnd. Wood Rasp, 10" Bastard	<b>Stanley</b> 1 Combination Square, 12"
<b>CS Osborne</b> 1 Black Rubber Mallet, 25 oz.	1 File handle, #1	1 Coping Saw, 4-3/4"
<b>General</b> 1 Dowling Jig Kit	<b>Norton</b> 1 Rubber Sanding Block	1 FatMax Hand Saw, 15"
1 Marking Gauge	1 Sandpaper, 100G, 6 pk.	1 Fiberglass Hammer, 16 oz.
1 Pencil Compass	1 Sandpaper, 150G, 6 pk.	1 Multi-bit Screwdriver, 10 pc.
<b>Irwin</b> 1 Double Edge Pull Saw	<b>Plano</b> 1 Plastic Tool Box, 26"	1 Nail Set, 3 pc.
1 Drill Bit Set, 13 pc.	<b>Quick-Grip</b> 1 Bar Clamp, 12"	1 Pocket Surfform
<b>Lufkin</b> 1 Quickread Tape Rule, 1" x 25'	1 Spring Clamp, 1"	1 Torpedo Level, 9"
<b>Marples</b> 1 Wood Chisel, 1"	1 Spring Clamp, 2"	1 Utility Knife
<b>McGuire Nicholas</b> 1 Canvas Waist Apron	<b>Sellstrom</b> 1 Clear Safety Glasses	<b>Steiner</b> 1 Denim Shop Apron, 29" x 40"
		<b>Wiss</b> 1 Easy Snip Utility Shear, 9"

**General Tool Box Kit**

**Midwest** General tool set supplied in a tool box. 1 each of the following items is included with this set.



Stk.	Mfr.	Price
558355	MW-GTB	\$395.00

**Complete Set of Tools for MW-GTB**

<b>Crescent</b> 1 Comb. Screwdriver Set, 4 pc.	1 Drill Bit Set, 13 pc.	1 Utility Knife
<b>CS Osborne</b> 1 Black Rubber Mallet, 25 oz.	1 Lineman's Pliers, 8"	<b>Steiner</b> 1 Denim Shop Apron, 29" x 40"
<b>Eklind</b> 1 Inch/Metric Hex Key, 16 pc.	1 Slip Joint Pliers, 8"	<b>Surebonder</b> 1 Glue Sticks, 5/16" x 4", 12 pc.
<b>Gardner Bender</b> 1 Stripper/Crimper, 8-1/2"	<b>Lufkin</b> 1 Quickread Tape Rule, 1" x 25'	1 Mini Glue Gun, 5/16"
<b>General</b> 1 Inch/Metric Vernier Caliper	<b>Nicholson</b> 1 General Purpose Hacksaw	<b>Techni Edge</b> 1 Knife, #1
1 Pencil Compass	<b>Plano</b> 1 Plastic Tool Box, 26"	<b>Vise-Grip</b> 1 Curve Jaw Locking Pliers
1 Precision Screwdrivers, 7 pc.	<b>Quick-Grip</b> 1 Spring Clamp, 1"	<b>Weller</b> 1 Soldering Kit
1 Stainless Steel Rule, 12"	1 Spring Clamp, 2"	<b>Wiss</b> 1 Easy Snip Utility Shear, 9"
<b>Great Neck</b> 1 Adjustable Wrench, 8"	<b>Sellstrom</b> 1 Clear Safety Glasses	<b>X-Acto</b> 1 X-tra Hands w/Magnifier
<b>Irwin</b> 1 Aviation Snips, Left	<b>Stanley</b> 1 Fiberglass Hammer, 16 oz.	
1 Double Edge Pull Saw	1 Multi-bit Screwdriver, 10 pc.	
	1 Torpedo Level, 9"	

**Electrician's Tool Kit**

**Midwest** 21-piece tool set supplied in a tool box.



Stk.	Mfr.	Price
558237	MW-ELECT	\$419.00

**Complete Set of Tools for MW-ELECT**

<b>Crescent</b> 1 Pliers, Side Cut, 7"	1 Hacksaw, 12"	<b>Lufkin</b> 1 Tape Rule, 1" x 25"
1 Pliers, Long Nose, 6-5/8"	1 Wrench, Adjustable, 6"	<b>Stanley</b> 1 Knife, Linoleum Flooring
1 Pliers, Tongue/Groove, V-Jaw, 10"	<b>Klein</b> 1 Screwdriver, Conduit	1 Hammer, Rip Claw, Fiberglass, 16 oz.
<b>Eklind</b> 1 Hex Key, 9 pc.	1 Screwdriver, Comb., 7 pc.	1 Level, Torpedo, 9"
<b>Gardner Bender</b> 1 Solenoid Voltage Tester	1 Wire Stripper/Cutter, 10-18 AWG	1 Tool Box, 24"
<b>Great Neck</b> 1 Pliers, Diagonal, 7-1/2"	1 Wire Stripper/Cutter, 6-in-1	
	1 Tool Belt, 35"-45"	
	1 Tool Pouch, 7-Pocket	



### Diesel Mechanic's Tool Set

**Midwest** 30-piece tool set organized in a 5-drawer steel cabinet.

- Full-extension friction drawer slides support 25 lbs. per drawer
- Keyed external lock bar secures property
- Sturdy 4" x 2" casters

Stk.	Mfr.	Price
<b>558238</b>	MW-DIESEL	<b>\$999.00</b>

### Complete Set of Tools for MW-DIESEL

Crescent	Linzer	Plumb
Socket & Tool Set, 170 Pc.	Brush, Disposable	Hammer, Fiberglass, 20 oz.
Pliers, Tongue & Groove, 10"	<b>Lisle</b>	<b>Sellstrom</b>
<b>Eklind</b>	Brush, Battery Terminal	Safety Glasses
Hex Key Set, 5 Pc.	<b>Lufkin</b>	<b>Stanley</b>
<b>Gardner Bender</b>	Tape Rule, 1" x 25'	Hammer, Ball Pein, 12oz.
Multimeter, Digital	<b>Marshalltown</b>	Hammer, Ball Pein, 24 oz.
<b>Gearwrench</b>	Putty Knife, Chisel, 1-1/4"	Hammer, Soft Face, 16 oz.
Wrench, Flare Nut, Metric, 6 pc.	<b>Mayhew</b>	Pliers, Long Nose, 6"
Wrench, Comb., Metric, 14 pc.	Punch & Chisel Set, 14 pc.	Screwdriver Set, Comb., 10 pc.
Wrench, Comb., Frac., 14pc.	<b>McGuire-Nicholas</b>	<b>Starrett</b>
Wrench, Flex Flare Nut, 5 pc.	Back Support Belt, XL	Steel Rule, 6"
<b>Great Neck</b>	<b>Milton</b>	<b>Steiner</b>
Pliers, Slip Joint, 18"	Tire Gauge	Leather Work Gloves
Pliers, Lineman's, 18"	<b>Nicholson</b>	<b>Waterloo</b>
<b>Klein</b>	File, Mill Bastard, 10"	Cabinet, Tool
Wire Stripper & Cutter	File, Half Round Bastard, 12"	<b>Weiler</b>
	File, Flat Bastard, 12"	Brush, Wire
	<b>Pelican</b>	
	Clip-On Led Flashlight	



### Machinists' Tool Set

**Midwest** 30-piece tool set organized in a 7-drawer steel chest.

- 20 ga. frame, 22 ga. drawers
- 2-piece, welded friction full depth drawer slides
- 90 lb. capacity per drawer

- Vinyl cushioned, steel top handle
- Wool-felt lined drawers protect precision tools
- Drop-front panel conceals & secures drawers from elements of the work environment (stores in base when not in use)

Drawers

- (4) 8-5/8"W x 7-1/2"D x 1"H
- (1) 8-5/8"W x 7-1/2"D x 2"H
- (1) 18-1/4"W x 7-1/2"D x 1-1/2"H
- (1) 18-1/4" x 7-1/2"D x 2-1/4"H

Stk.	Mfr.	Price
<b>558235</b>	MW-MACHINIST	<b>\$659.00</b>

### Complete Set of Tools for MW-Machinist

Blackhawk	Great Neck	
Wrench, Comb., 12 pt., 1/2"	Wrench, Adjustable, 10", 10 pc.	File, 3-Square Bastard 10"
<b>Chicago Brand</b>	Pliers, Slip Joint, 6"	File, Square Bastard, 10"
Machinist's Micrometer, 3 pc.	<b>Kennedy</b>	File, Flat Bastard, 10"
<b>Eklind</b>	Tool Chest	<b>Production Tool</b>
Hex Key Set, Ball, 22 pc.	<b>Nicholson</b>	Tool Bit, Square, HSS, 1/2"
<b>Flexbar</b>	File, Round Bastard, 10"	Tool Bit, Brazed, CT, 3/8"
Travel Dial Indicator, 1"	File, Bastard, Hand, 10"	
<b>General Tool</b>	File, Half Round Bastard, 10"	
Center Gage		

## DRYWALL, CEMENT & BRICKLAYING



### Drywall Roll Lifter

**Marshalltown** Rigid steel construction, ribbed back, weighted nose and roller-wheel combine for moving ease. Permits 1-person handling.

Stk.	Mfr.	Size	Price
<b>528455</b>	RL801	15" x 2-1/4"	<b>\$19.50</b>



### Drywall Circle Cutter

**Marshalltown** Cut sharp, clean circles up to 16" dia. with only 1 hand. Hardened cutter wheel and center pin remain sharp.

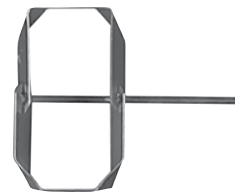
Stk.	Mfr.	Size	Price
<b>528555</b>	CC766	8-1/2"L	<b>\$12.30</b>



### Pail Opener

**Linzer** Open plastic pails and buckets without damaging seal. Use to open joint compound, driveway sealer, and bulk paint containers. Rugged polypropylene construction. No moving parts. Also use as a pail hook.

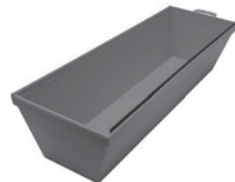
Stk.	Mfr.	Price
<b>482254</b>	5425	<b>\$2.46</b>



### Quick-Mix® Mixer

**Marshalltown** Ideal for stirring and blending paint, drywall mud and acoustic quickly and lump free. Blade is securely welded to a 3/8" hex shaft. Fits any 3/8" or larger slow speed drill (500 rpm).

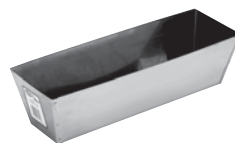
Stk.	Mfr.	Length	Price
<b>528565</b>	819	28"	<b>\$19.10</b>



### Plastic Mud Pan

**Marshalltown** For carrying joint compound. Durable plastic pan with metal scraping bar. Resists chemicals and temperature changes. USA made. Pan is 4.5" x 13.5" at top, 3" x 12" at bottom, 3.5"H.

Stk.	Mfr.	Size	Price
<b>528570</b>	914	12"L x 3-1/2"H	<b>\$5.32</b>



### Stainless Steel Mud Pan

**Marshalltown** For carrying joint compound. Tapered ends and sides with mud-tight seams. All sides are sheared to clean knives easily. USA made. Pan is 4-1/2" x 14" at top, 3" x 12" at bottom, 3-1/2"H.

Stk.	Mfr.	Size	Price
<b>528560</b>	812	12"L x 3-1/2"H	<b>\$17.50</b>

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**Swivel Pole Sander**



**Marshalltown** For sanding drywall joints. Made of reinforced die-cast aluminum bonded to a foam rubber pad. Fast, positive clamps lock securely to hold the sandpaper in place.

Handle sold separately.

Stk.	Mfr.	Size	Price
<b>528377</b>	26	3-1/4" x 9-3/8"	<b>\$18.00</b>

**Hardwood Handle**

Stk.	Mfr.	Size	Price
<b>528378</b>	28	4'L	<b>\$9.71</b>

**Drywall Hand Sander**



**Marshalltown** Aluminum backing plate bonded to foam pad. Lightweight. 1-piece handle clamp to secure or easily change precut or 1/2 sheet standard sandpaper. For sanding drywall joints. USA made.

Stk.	Mfr.	Size	Price
<b>528370</b>	20D	9-3/8" x 3-1/4"	<b>\$14.70</b>

**Blue Steel Taping Knives**



**Marshalltown** Premium tempered blue steel blade with aluminum backing plate and tapered blade for corner work. Resilient DuraSoft® handle provides a soft feel, reduces fatigue and offers excellent durability. USA made.

Stk.	Mfr.	Blade	Price
<b>528596</b>	3510D	10"	<b>\$14.00</b>
<b>528597</b>	3512D	12"	<b>\$15.30</b>
<b>528598</b>	3514D	14"	<b>\$16.20</b>

**Pro-Style Blue Steel Taping Knives**



**Marshalltown** Flexible blue spring steel blade, tapered blade for corner work. Lightweight yet very durable. Plastic contoured handle.

Stk.	Mfr.	Blade	Price
<b>528338</b>	BSTK10P	10"	<b>\$7.13</b>
<b>528339</b>	BSTK12P	12"	<b>\$7.48</b>

**Hawk**



**Marshalltown** For plastering, masonry and drywall work. Heavy-gauge, hard-rolled aluminum plate with rounded corners for safety. 3-5/8" flange with extended hub threaded for the handle. DuraSoft® handle and sponge rubber callus preventer. USA made.

Stk.	Mfr.	Plate	Price
<b>528360</b>	ID	13" x 13"	<b>\$26.50</b>

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**Drywall Corner Trowel**



**Marshalltown** Lightweight tool made from 1-piece flexible stainless steel with aluminum mounting. Blade set at a 103° angle to flex and form a perfect 90° corner. Use to embed tape and smooth out final layer of mud to taped corners. Premium DuraSoft® handle. USA made.

Stk.	Mfr.	Blade	Price
<b>528375</b>	23D	4" x 5" (ea. side)	<b>\$15.80</b>

**Curved Drywall Trowel**



**Marshalltown** High-carbon steel blade with slight concave bow to feather mud for perfect drywall joints. Blade is flexible, tempered, ground, polished and fastened with hardened steel rivets. Aluminum alloy mounting is lightweight, but strong. "Diamond Shank" design keeps handle from twisting. Smooth natural finish hardwood handle. USA made.

Stk.	Mfr.	Blade	Price
<b>528365</b>	12	11" x 4-1/2"	<b>\$35.50</b>

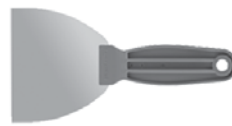
**Drywall Hammer**



**Marshalltown** Drop-forged head, fully polished milled face. Checkered head design to dimple drywall. Wedge-shaped steel blade is notched underneath to double as a nail puller. Fired-hickory handle.

Stk.	Mfr.	Weight	Length	Price
<b>528557</b>	DH764	12 oz.	13-1/4"	<b>\$28.50</b>

**Joint Knives**



**Master Painter** Rust resistant, flexible, spring stainless steel blade. Polypropylene handle resists paint thinners and solvents for easy cleanup.

Stk.	Mfr.	Blade	Price
<b>943300</b>	184	4"	<b>\$3.99</b>
<b>943301</b>	186	6"	<b>\$4.78</b>

**Flex Joint Knife**



**Marshalltown** Flex joint knife with soft grip handle for brick, concrete, drywall, EIFS, flooring, paint, plaster stucco, tile and wallpaper.

Stk.	Mfr.	Blade	Price
<b>528355</b>	FJK4HH	4"	<b>\$6.32</b>
<b>528356</b>	FJK6HH	6"	<b>\$7.59</b>

**London Pattern Brick Trowels**



**Marshalltown** Blade is taper-ground and polished for correct flexibility and feel. Precision-forged from 1-piece high-quality carbon steel for strong, long-lasting impact area. 1-1/4" wooden handle rise is set for correct hang and balance. USA made.

Stk.	Mfr.	Blade	Price
<b>528386</b>	33-10	10" x 4-5/8"	<b>\$41.70</b>
<b>528388</b>	33-11	11" x 4-7/8"	<b>\$41.70</b>

**Wide Trowel**

Stk.	Mfr.	Blade	Price
<b>528392</b>	34-10.5	10-1/2" x 5-3/4"	<b>\$41.70</b>





### Concrete Trowels

**Marshalltown** Highest grade carbon spring steel blade cross-ground to hold its shape.

Aluminum alloy mounting fully heat treated for strength, then polished and machine finished. Diamond shank perfectly fits hardwood handle. Hardened steel rivets are properly sized and computer fit for sturdy mounting. USA made.

Stk.	Mfr.	Blade	Price
528440	MX62	12" x 4"	\$34.70
528443	MX64	14" x 4"	\$38.00
528447	MX66	16" x 4"	\$42.30



### Margin Trowel

**Marshalltown** Fully-ground and polished tempered steel blade. Hardwood handle. USA made.

Stk.	Mfr.	Blade	Price
528480	97	5" x 2"	\$3.39



### Flexible Pointing Trowel

**Marshalltown** Blade is forged from a single piece of high carbon steel. Hardwood handle offers integral finger guard to protect against calluses, heat and cold. USA made.

Stk.	Mfr.	Blade	Price
528408	45-5	5" x 2-1/2"	\$14.60



### Magnesium Float

**Marshalltown** Extruded from very hard, durable, lightweight magnesium. Positioned for perfect balance, the wooden handle is secured with torque pad screws that will not back out. For use with air entrained concrete. USA made.

Stk.	Mfr.	Size	Price
528496	145	16" x 3-1/8"	\$25.10



### Magnesium Bull Float

**Marshalltown** Made from the finest extruded magnesium. Lightweight, long-wearing and balanced for exacting finishes. Float has square ends and includes bracket assembly. USA made.

Stk.	Mfr.	Size	Price
528404	B42	42" x 8"	\$153.00

### Aluminum Handle

Stk.	Mfr.	Size	Price
528350	B5-72	6'L	\$36.90



### Rubber Float

**Marshalltown** Fine 5/8" thick red rubber pad has a specially-bonded backing plate for long wear. Use on rough and/or textured finishes. USA made.

Stk.	Mfr.	Size	Price
528400	38	9" x 4" pad	\$11.20



### Crow's Foot Texture Brush

**Marshalltown** White tampico hemp 4"L bristles set in clear lacquered hardwood block. Each block measures 1-5/8" x 6-3/8". Both can be center pole mounted. Single brush measures 9" x 13". USA made.

Stk.	Mfr.	Size	Price
528567	844	16-1/2" x 14"	\$25.00



### Bricklayer's Hammers

**Marshalltown** Forged 1-piece high grade steel. Balanced and perfectly fitted hickory handle. For breaking, trimming and cleaning brick. USA made.

Stk.	Mfr.	Weight	Length	Price
528536	600	16 oz.	11"	\$31.10
528537	601	24 oz.	11-1/2"	\$34.20



### Soft Low Profile Knee Pads

**AWP** Contoured design and light weight allows easy movement. Dual elastic straps, hook and loop closure.

Stk.	Mfr.	Qty.	Price
943302	329	2	\$14.20



### Joint Raker

**Marshalltown** 1-3/4" skate wheels with strong, aluminum handle. Easy-grip handle is contoured to fit the hand and is squared off at the end. Hardened nail adjustable to proper depth. USA made.

Stk.	Mfr.	Size	Price
528470	89	8-1/2"L x 3"W	\$13.30



### Brick Jointers

**Marshalltown** High carbon steel with a convex face for striking concave joints. Concave joint helps conceal small irregularities in laying and emphasizes the pattern. Each end makes a different size joint. 10-1/2"L. USA made.

Stk.	Mfr.	Size	Price
528464	83	3/8" & 1/2" joints	\$7.64
528460	80	1/2" & 5/8" joints	\$7.64



### Tuck Pointing Trowels

**Marshalltown** One-piece, high-quality forged carbon steel. Tapered for sturdiness and flexibility. High shank and lift give plenty of hand room. Hardwood handle with metal ferrule. USA made.

Stk.	Mfr.	Size	Price
528530	503	1/4" x 6-1/2"	\$16.40
528532	505	3/8" x 6-3/4"	\$16.40
528533	506	1/2" x 6-3/4"	\$16.40

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**Heavy-duty Combination Slicker**

**Marshalltown** Used to make flat mortar joints. High carbon steel, hardened and polished. 10"L. USA made.

Stk.	Mfr.	Size	Price
<b>528534</b>	560	3/8" x 1/2" joints	<b>\$16.20</b>
<b>528535</b>	562	1/2" x 5/8" joints	<b>\$16.20</b>



**Curved-end Edger**

**Marshalltown** Made of heavy gauge stainless steel for long life. Constructed with sturdy steel mounting and Durasoft handle. 6" x 4". Lip 5/8". USA made.

Stk.	Mfr.	Size	Price
<b>528490</b>	138SSD	1/2" Radius	<b>\$13.20</b>



**Universal Groover**

**Marshalltown** Stainless steel cement groover with sturdy steel mounting and Durasoft handle. Properly shaped bit and leading edge cut a sharp groove. 6" x 3". USA made.

Stk.	Mfr.	Size	Price
<b>528512</b>	180D	1/2" x 1/2" Groove	<b>\$14.80</b>



**Bricklayer's Chisel**

**Marshalltown** For cutting, trimming or cleaning bricks. Forged from the highest-quality tool steel, hardened, tempered and well-balanced. USA made.

Stk.	Mfr.	Size	Price
<b>528539</b>	604B26	7" x 4"	<b>\$22.30</b>



**Mason's Chisel**

**Marshalltown** Forged from the highest-quality tool steel, hardened, tempered and well-balanced. USA made.

Stk.	Mfr.	Size	Price
<b>528543</b>	606B115	7-1/2" x 2"	<b>\$14.70</b>



**Wood Line Blocks**

**Marshalltown** Shaped from poplar hardwood. USA made.

Stk.	Mfr.	Length	Qty.	Price
<b>528467</b>	86	3-3/4"	2	<b>\$3.12</b>



**Nylon Mason's Line**

**Marshalltown** 150 lb. test nylon, size #18. Won't unravel if struck by a trowel. Nylon maintains tension, is not affected by extreme moisture or dryness and won't mildew. White.

Stk.	Mfr.	Length	Price
<b>528550</b>	622	250'	<b>\$8.93</b>
<b>528552</b>	623	500'	<b>\$17.50</b>



**Mortar Hoe**

**Ames** Wooden mortar hoe with forged 10" x 6" steel head and 2-hole perforated blade. High-quality 66"L hardwood handle. Durable, forged shank with pinned chrome ferrule.

Stk.	Mfr.	Price
<b>943135</b>	1868400	<b>\$125.00</b>



**14" Rapid Cut-off Concrete Saw**

**Partner** Cut masonry, concrete, asphalt, metal and more. 14" blade guard allows a full 5" cutting depth.

- Dual air filter system

• Totally-enclosed dry belt

• Consistent & dependable 2-cycle, 74cc air-cooled gas engine

**Includes** wet-cutting kit.

**Requires blade, sold separately.**

Stk.	Mfr.	Engine	HP	Blade Dia.	Arbor	Price
<b>256650</b>	14-804-B2	Gas	5	14"	1"	<b>\$1,332.00</b>

**14" Masonry Blade**

Stk.	Mfr.	Engine	HP	Blade Dia.	Arbor	Price
<b>256655</b>	14-829-B8					<b>\$26.30</b>



**14" Mason Mite II Cut-off Concrete Saw**

**Husqvarna** Tough saws have lifetime sealed bearings that won't require greasing. Cut masonry, concrete, brick and tile. 14" blade guard allows a full 5" cutting depth.

- 2 pivot points reduce saw maintenance & prolong diamond blade life
- Cutting head pivots on bearings that are sealed & lubricated for life
- Position head to desired height, then tighten the lock handle

• Hold the handle & plunge cut blade into the material

• Sta-level® blade guard keeps the blade guard parallel to the cutting table for accurate cuts & safety

• Spring tension counter-balances cutting head and the cutting head height can be adjusted with a lock handle located on the counter balance arm

• Ergonomic steel handle w/molded grip bolts securely into place

• Powder-coated paint resists rust & scratches

• Solid cast aluminum cutting cart w/bonded rubber surface to grip materials

**Includes** steel water pan.

**Requires blade, sold separately.**

Stk.	Mfr.	Volts	HP	Blade Dia.	Arbor	Price
<b>256600</b>	11-502-C2	115	2	14"	1"	<b>\$2,789.00</b>

**Cast Aluminum Stand**

<b>256615</b>	11-583-B3					<b>\$289.00</b>
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**14" Diamond Masonry Blade**

<b>256670</b>	21-607-B7					<b>\$161.00</b>
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### Poly Drum Utility Mixer

**Marshalltown** Heavy-duty mixer for concrete, feed, seed and other materials. Quad-Mixing System's 4-piece replaceable paddle and blade creates 4 independent mixing patterns. Design helps improve overall batch quality and mixing efficiency. Heavy gauge steel construction, cast iron ring gear and reinforced metal drum.

- Produces 1 batch per minute
- Drum lock secures drum in 1-of-5 positions
- Welded steel frame & heavy bushings
- FDA/NSF/USDA approved non-stick polyethylene drum
- Well balanced tilt handle
- Precision cast, 1-piece ring gear
- Sturdy, in-mold mixing blades
- Hand tow kit
- Drum opening of 15-1/4"
- 25 RPM drum rotation

115V, 1/3 HP. 3.0 cu. ft. drum capacity. Discharge height 20". Overall size 46"L x 30"W x 48"H.

Stk.	Mfr.	Price
<b>528416</b>	MIX61113	<b>\$1,879.00</b>



### Portable Wheelbarrow Mixer

**Gilson** Lightweight portable mixer only weighs 125 lbs. Assembly required.

- High torque electric motor w/on-off switch
- Strong polyurethane drum will not crack or rust & easy to clean
- Ring gear is enclosed for safe operation
- Handles adjust for easy storage
- Can clear 30" door openings

1/2 HP electric motor. 3.0 cu. ft. load capacity w/poly liner.

Stk.	Mfr.	Price
<b>528415</b>	MIX59000D	<b>\$596.00</b>

## PLUMBING TOOLS



### Internal Pipe Wrench Set

**General** For removal of broken threaded ends of pipe, pipe plugs and fittings. Hex body can be used with a wrench. 3/8", 1/2", 3/4" pipe sizes marked on each wrench. Heat-treated alloy steel, plated, rust resistant.

Stk.	Mfr.	Item	Price
<b>417894</b>	139ST	3-Piece Set	<b>\$20.20</b>



### Basin Wrenches

**Ridgid** One-hand ratcheting basin wrench with spring-loaded jaws of forged alloy steel. Tension plug holds head in any position up to 90° angle. Chrome-plated handle and shank.

Stk.	Mfr.	Length	O.D. Capacity	Model	Price
<b>692685</b>	31170	10"	3/8" to 1-1/4"	1010	<b>\$44.80</b>
<b>692692</b>	31175	10" to 17"	3/8" to 1-1/4"	1017	<b>\$55.10</b>



### Deburring Tool

**Ridgid** For plastic pipe and tubing. Removes inside burrs and outside ridges. Made of high-grade steel with specially designed, long-lasting cutting edges. Slip-resistant vinyl cushion hand grip.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692570</b>	35155	1/2" to 1-1/2"	72	<b>\$32.00</b>



### Flaring Tool

**General** Heavy-duty sliding T-handle and wing nut permits quick opening of hinged steel bars for easy insertion and removal of flared tubing.

**Includes** 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8".

Stk.	Mfr.	I.D. Capacity	Price
<b>417938</b>	155	3/16" to 5/8"	<b>\$36.70</b>



### Double Flaring Tool

**General** Double flaring tool for high-pressure applications in auto, air conditioning and refrigeration. Accurately single or double flares copper aluminum and thin wall tubing for leak-free connections. Quick-opening, plated steel bars for easy tubing insertion and removal. Plated forged yoke for accurate flaring. Case-hardened steel double flare inserts. Rust-resistant parts.

**Includes** 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & case.

Stk.	Mfr.	I.D. Capacity	Price
<b>417940</b>	157	3/16" to 5/8"	<b>\$65.00</b>



### Flaring Tool Model 458R

**Ridgid** Ratcheting feed screw handle turns using less motion. It's great for confined areas. Eccentrically-mounted hardened steel flaring cone produces rolling action for even metal flow, giving uniform flare walls without galling. Flare steel, stainless steel, hard copper and brass tubing through a wall thickness of 0.035".

- Quick set-up
- 45° flares in 8 sizes
- Clutch releases when flare is complete to iron & smooth flare

**Includes** 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4".

Stk.	Mfr.	I.D. Capacity	Model	Price
<b>692590</b>	83037	1/8" to 3/4"	458R	<b>\$185.00</b>



### Swaging Tools

**Ridgid** Zinc-plated for accuracy and durability. For copper, aluminum or brass tubing.

**Includes** 1/4", 3/8", 1/2" & 5/8" in vinyl pouch.

Stk.	Mfr.	I.D. Capacity	Model	Price
<b>692635</b>	52420	1/4" to 5/8"	570	<b>\$55.30</b>

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**Swaging Tool Set**

**General** An easy and economical method of joining copper tubing.

- Eliminates the need for coupling
- Heat treated alloy steel, plated to prevent rust
- Hex body prevents rolling & allows easy removal from tube

**Includes** 1/4", 3/8", 1/2" & 5/8".

Stk.	Mfr.	I.D. Capacity	Price
<b>417937</b>	154ST	1/4" to 5/8"	<b>\$18.40</b>

**4-in-1 Plumbing Brush**

**General** Cleans both the inside and outside of copper tubing in preparation for solder when sweating pipes. Hardened steel brushes, polypropylene body for strength and durability.

Stk.	Mfr.	O.D. Capacity	I.D. Capacity	Price
<b>417745</b>	114	5/8" to 7/8"	1/2" to 3/4"	<b>\$15.30</b>

**Heavy-duty Pipe Cutter**

**Ridgid** Wide roll pipe cutter. Featuring extra-wide rolls, this heavy-duty cutter is especially designed for use with power drives. Wide rolls prevent cock or wobble of cutter for straight tracking and cleaner cuts.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>689804</b>	32820	1/8" to 2"	2-A	<b>\$240.00</b>

**Replacement Wheel**

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>689871</b>	33105			<b>\$16.70</b>

**PVC Cutter**

**General** Professional, all-metal tool with ratcheting action easily cuts PVC, PE and ABS pipe. High carbon steel blade for clean cuts and longer sharpness. Features angle cutting and ergonomic locking handle.

Stk.	Mfr.	O.D. Capacity	Price
<b>417870</b>	119	1/8" to 1-5/8"	<b>\$30.60</b>

**Ratchet Cutter**

**Ridgid** Heavy-duty aluminum cutter with compound leverage ratchet mechanism easily cuts PVC, CPVC, PEX, polyethylene, polybutylene and rubber hose. Quick, tool-free blade changes. Ergonomic lower handle with 1/2" increments (for quick pipe measuring). Easy thumb-turn safety latch. Burrless cutting operation provides a square cut.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692790</b>	23498	1/2" to 1-5/8"	RC-1625	<b>\$89.90</b>

**Replacement Blade**

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692795</b>	27858			<b>\$25.00</b>

**PVC Ratchet Cutter**

**General** Cutter slices through PVC, PEX and ABS pipe up to 2" dia. High-carbon steel blade maintains sharpness and resists chipping. 12" handles and 5-click ratcheting system apply maximum cutting pressure for quick, clean cuts. Safety locking strap.

Stk.	Mfr.	O.D. Capacity	Price
<b>417866</b>	118	2"	<b>\$39.60</b>

**Metal Pipe Cutter**

**Ridgid** Quick acting, hardened alloy steel precision cutting wheel. Knife edge folding reamer. Frame shaped for balance, strength and weight. Large feed indexing knob.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692608</b>	31642	1/4" to 2-5/8"	152	<b>\$118.00</b>

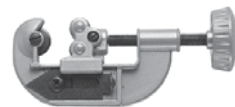
**Screw Feed Tubing Cutters**

**Ridgid** Clean square cuts are easily made on copper, brass, aluminum and thin wall conduit. Cutters feature a fold-away reamer.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>689890</b>	32910	1/8" to 1"	10	<b>\$38.80</b>
<b>692362</b>	32920	3/16" to 1-1/8"	15	<b>\$42.00</b>
<b>692414</b>	32930	5/8" to 2-1/8"	20	<b>\$82.00</b>

**Replacement Cutter Wheel**

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692615</b>	33160			<b>\$9.10</b>

**Thin Wall Pipe Cutters**

**General** For cutting copper and other thin wall tubing. Supplied with an alloy steel true cutting wheel, grooved rollers for flared tubing, and a tool steel retractable reamer.

Stk.	Mfr.	O.D. Capacity	Price
<b>417871</b>	120	1/8" to 1-1/8"	<b>\$13.20</b>
<b>417872</b>	125	1/4" to 1-1/2"	<b>\$20.40</b>

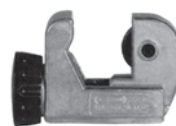
**Replacement Cutter Wheel**

Stk.	Mfr.	O.D. Capacity	Price
<b>417873</b>	RW121/2		<b>\$5.46</b>

**Tubing Cutter**

**Great Neck** Mini tubing cutter for cutting copper, aluminum, brass and thin wall tubing in tight or hard-to-reach places. Large knob for greater torque. Hardened flare grooved rollers.

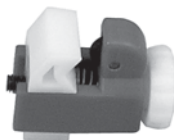
Stk.	Mfr.	O.D. Capacity	Price
<b>281172</b>	TC7C	1/8" to 1-1/8"	<b>\$8.89</b>

**Mini Tubing Cutter**

**General** Mini tubing cutter for cutting copper, aluminum, brass and thin wall tubing in tight or hard-to-reach places. Large knob for greater torque. Hardened flare grooved rollers.

Stk.	Mfr.	O.D. Capacity	Price
<b>417885</b>	129X	1/8" to 7/8"	<b>\$11.00</b>

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**Mini Tubing Cutter**

**Lisle** Smooth nylon action cuts tubing quickly. Small size for use in tight spots. Cuts all type of metal tubing. Easy-to-use nylon cutter is non corrosive for long life.

Stk.	Mfr.	O.D. Capacity	Price
<b>503888</b>	50000	5/8"	<b>\$8.78</b>



**Copper Tubing Bender Set**

**General** Eliminate crimping and collapsing of copper and other thin wall tubing. Allows quick bending of copper and other thin wall tubing. Made of special oil-hardened spring steel.

**Includes** tube sizes 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8".

Stk.	Mfr.	O.D. Capacity	Price
<b>417737</b>	S106	1/4" to 5/8"	<b>\$13.90</b>



**Compound Tubing Bender**

**General** Get single-action, 180° bends in copper, brass, thin wall tubing, steel, aluminum, soft wire and rods. Calibrated angle markings

from 0° to 180° provide accurate left, right and offset bends. Extra long, ergonomic handles give great leverage and comfort. Made of durable die cast alloy.

**Includes** 3/16", 1/4", 5/16" & 3/8".

Stk.	Mfr.	O.D. Capacity	Price
<b>417936</b>	153	3/16" to 3/8"	<b>\$33.10</b>



**V-Head Pipe Stand**

**Ridgid** A heavy-duty adjustable stand suitable for use with threading machines, roll grooves and more.

28" to 52" height adjustment.

Stk.	Mfr.	O.D. Capacity	Price
<b>692588</b>	56662	1/8" to 16"	<b>\$122.00</b>



**Bench Yoke Pipe Vises**

**Ridgid** Yoke and base made of iron. Hardened alloy steel jaws and pipe rest.

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692484</b>	40080	1/8" to 2"	21	<b>\$234.00</b>
<b>692551</b>	40100	1/8" to 4"	25	<b>\$469.00</b>

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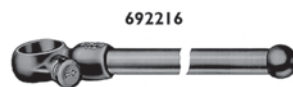
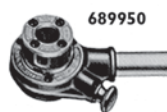
**Tri-Stand Chain Vise**

**Ridgid** Portable chain vise stand for up to 6" diameter pipe. Versatile stand is designed to meet rugged jobsite needs year after year.

- Benders are located at the rear of the base & 3 tool hangers are provided
- Provides a conductive surface to connect the weld ground

- Self hooking for 4" pipe
- Leg chain securely retains legs during operation & transport
- Rugged tool tray for prolonged stability

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>689910</b>	36273	1/8" to 6"	460-6	<b>\$580.00</b>



**Exposed Ratchet Threader Sets**

**Ridgid** For hand use or threading

with Ridgid Power Drives. Fills low volume threading requirements. Exposed ratchet threaders. Die heads lock into ratchet and handle assembly. Heads easily removed when reversible ratchet knob is pulled out.

**Threader Sets**

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>689950</b>	36375	1/8", 1/4", 3/8", 1/2", 3/8", 1"	00-R	<b>\$566.00</b>
<b>690072</b>	36475	1/2", 3/4", 1", 1-1/4", 1-1/2", 2"	12-R	<b>\$970.00</b>

**Ratchet & Handles**

Stk.	Mfr.	O.D. Capacity	Model	Price
<b>692216</b>	38540		00-R	<b>\$91.00</b>
<b>690100</b>	30118		12-R	<b>\$103.00</b>



**Teflon Tape**

**Harvey's** PTFE thread seal tape made of virgin white Teflon. Provides a strong, tight seal for any threaded joint. Temperature range -400°F to 500°F.

**Meets Mil Specification T-27730a.**

Stk.	Mfr.	Length	Width	Thickness	Price
<b>943201</b>	017117B	1/2"	14-1/3 yd.	.003"	<b>\$1.52</b>



**Repairman's Reamers**

**Hanson** Enlarge holes in sheet metal (w/socket wrench).

**1/8" to 1/2" Includes** removable handle with 3/8" square drive to use reamer with socket wrench.

Stk.	Mfr.	Price
<b>452674</b>	11214	<b>\$24.80</b>

**1/2" to 1" Includes** removable handle & plastic pouch.

Stk.	Mfr.	Price
<b>452676</b>	11221	<b>\$47.70</b>

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**Pipe Reamer**

**Ridgid** Self-feeding spiral ratchet reamer.

**Includes** handle.

Stk.	Mfr.	Capacity	Price
<b>689808</b>	34955	1/4" to 2"	<b>\$373.00</b>



**9" Flexible Spout Oiler**

**Plews** Zinc-plated detachable flex spout with 1/2"-20 thread base and detachable tip threaded 10-32 with closure cap.

Stk.	Mfr.	Capacity	Price
<b>943036</b>	50-337	16 oz.	<b>\$20.20</b>



**6" Rubber Spout Oiler**

**Plews** Heavy-duty drawn steel body oiler with durable epoxy finish to resist rust.

Stk.	Mfr.	Capacity	Price
<b>942633</b>	50-595	8 oz.	<b>\$11.20</b>



**4-1/2" Rigid Spout Oiler**

**Plews** Body and cap are made of durable, heavy-duty plastic.

Stk.	Mfr.	Capacity	Price
<b>943037</b>	50-590	6 oz.	<b>\$7.82</b>



**Threading Oiler**

**Ridgid** This hand-operated threading oiler delivers oil to protect dies and improve thread quality.

- 2-finger trigger & curved anti-slip grip combine w/natural wrist position
- Wider, curved steel nozzle controls oil flow
- Sturdy die-cast body & trigger
- Heavy-duty swiveling nozzle
- Top mounted hang hook
- 6" hose length increases reach

**Includes** 1 gal. thread cutting oil, bucket w/removable chip tray & 54" hose.

Stk.	Mfr.	Price
<b>692785</b>	10883	<b>\$458.00</b>



**Thread Cutting Oil**

**Ridgid** Cool threads and pipe during operation and speed metal removal with oils that provide an even film on metallic surfaces for smoother threads. Sulphur reacts with metal being treated to form sulphides to make a tough chemical film between die and material. Anti-foam agent prevents foam build up. Free of chlorine, halogens, PCB's, heavy metals.

Stk.	Mfr.	Item	Size	Price
<b>692800</b>	70835	Nu-Clear	Gal.	<b>\$37.60</b>
<b>692618</b>	70830	Dark Oil	Gal.	<b>\$34.60</b>



**Extreme Performance Aerosol Threading Oil**

**Ridgid** High-performance aerosol mineral oil produces superior quality threads on stainless steel and black pipe. Cools threads and pipe during operation. Speeds metal removal. Use on 1 or 2 threads without set-up or cleanup time. Great for manual and power hand threading applications. For approx. 100 threads.

Stk.	Mfr.	Size	Price
<b>689100</b>	22088	16 oz.	<b>\$21.80</b>

**VO-AG TOOL & SUPPLIES**



**Hand Sprayer**

**Green Thumb** 12-1/2"H adjustable sprayer (stream to mist) with locking thumb-operated control. Tough poly tank.

Stk.	Mfr.	Capacity	Price
<b>943275</b>	79142GT	2 liter	<b>\$15.80</b>



**Back Reliever Sprayer**

**Green Thumb** Innovative pump handle and 24" telescoping wand reduces back strain. Stable, 6-footed tank. Large funnel top, braided powder sprayer hose. Thumb control valve with inline filter.

Stk.	Mfr.	Capacity	Price
<b>943281</b>	62192GT	2 gal.	<b>\$28.50</b>



**Backpack Sprayer**

**Solo** Four gal. high-pressure chemical sprayer with connecting-rod-actuated piston pump for producing a wide pressure range up to 90 psi. Easily and effectively handles disinfectants, fertilizers, herbicides, pest control, etc. for tree, shrub and plant protection. UV-resistant tank with felt-padded polyester straps, heavy-duty pressure cylinder, easy operating shut-off valve, reversible pump lever.

Stk.	Mfr.	Capacity	Price
<b>943131</b>	425	4 gal.	<b>\$140.00</b>



**10-Pattern Pistol Nozzle**

**Green Thumb** Medium-duty sprayer offers 10 watering patterns. Features brushed aluminum finish, insulated handle and quick-connect system. 3-yr. mfr.'s warranty.

Stk.	Mfr.	Price
<b>943129</b>	27161	<b>\$10.10</b>



**Hot Water Nozzle**

**Gilmour** Nozzle withstands hot water temperatures up to 160°. Features a brass stem and brass head.

Stk.	Mfr.	Price
<b>942641</b>	465GT	<b>\$10.30</b>



### Telescope Watering Wand

**Green Thumb** 9-pattern, 1-touch adjustable wand combines on/off and precise-flow control, telescopes 36" to 59".

Stk.	Mfr.	Size	Price
<b>943276</b>	56246	36" - 59"L	<b>\$24.40</b>



### Nylon Garden Hoses

**Green Thumb** Medium-duty, nylon-reinforced, 4-ply hose with brass couplings and octagon female ferrule with protective collar. Green with yellow stripes. 7-yr. mfr.'s warranty.

Stk.	Mfr.	Size	Price
<b>943125</b>	156356	5/8" dia. x 25'L	<b>\$22.30</b>
<b>943126</b>	156299	5/8" dia. x 50'L	<b>\$26.60</b>
<b>943127</b>	669133	5/8" dia. x 75'L	<b>\$43.50</b>



### Flexogen® Hose

**Gilmour** Professional-grade, 8-ply hose with heavy-gauge, crush-resistant brass couplings. Flexible construction makes hose handling and coiling easy. O-ring seal guards against leaks. USA made. Mfr.'s lifetime warranty.

Stk.	Mfr.	Size	Price
<b>943269</b>	10-34050	3/4" dia. x 50'L	<b>\$73.30</b>



### Soaker Hose

**Green Thumb** Consistent soaking action above or below ground or mulch, plus in uneven and uphill flower beds. Clog resistant even under mulch or soil. Easy to set flow rate. 7-yr. mfr.'s warranty. Black.

Stk.	Mfr.	Size	Price
<b>943315</b>	1030-25	25'L	<b>\$15.20</b>



### Mobile Hose Reel Cart

**Suncast** Holds 225' of 5/8" hose. Easylink®System ensures watertight connection between reel and hose. Bronze and taupe.

**Includes** storage bin for small watering accessories.

**Shown w/hose, sold separately.**

Stk.	Mfr.	Price
<b>943121</b>	SFB200B	<b>\$85.70</b>



### Wall Mount Hose Reel

**Suncast** Reel with slide track hose guide. Holds 175' of 5/8" hose. Fully assembled.

**Includes** storage tray for accessories, easy link attachment & 3' leader hose.

Stk.	Mfr.	Price
<b>943310</b>	WTS175	<b>\$61.30</b>



### Pro Wheelbarrow

**Jackson** Professional, heavy-duty steel wheelbarrow with 6 cu. ft. seamless heavy-gauge metal tray. Features a 2-ply, 16" x 4" pneumatic tire (8" dia.), oil lube bearings, plus 2 sturdy, 1-piece wooden handles. Blue.

Stk.	Mfr.	Price
<b>943138</b>	M6T22	<b>\$206.00</b>



### Anvil Pruning Shear

**Green Thumb** Traditional 8" pruning shear with 3/4" cutting capacity. Rustproof coated, precision-ground blade. Steel body with comfort-molded grips. Replaceable brass anvil with safety catch.

Stk.	Mfr.	Price
<b>943136</b>	679995	<b>\$11.40</b>



### Telescopic Bypass Lopping Shear

**Fiskars** Power-lever mechanism increases leverage to make cutting easier than single pivot lopper. Fully hardened, precision ground blade with corrosion resistant, non-stick blade coating to make cutting easier. Durable, lightweight fiberglass telescoping handles with comfort grips. Bypass blade for clean cuts of green, living growth. Mfr.'s lifetime warranty.

Stk.	Mfr.	Capacity	Length	Price
<b>943317</b>	91686935	1-5/8"	25"-37"	<b>\$36.60</b>



### Ratchet Pruner

**Corona Clipper** 3-Step ratchet mechanism multiplies 3/4" dia. cutting power. High-carbon steel replaceable blade has non-stick coating. Squeeze and release thumb lock. Polyamid handles with non-slip molded grips. Mfr.'s lifetime warranty.

Stk.	Mfr.	Price
<b>942642</b>	RP-3230	<b>\$16.30</b>



### Pruning Saw

**Pony** Fine-cutting saw has 3 diamond-ground cutting edges. Induction-hardened teeth provide up to 5x longer cutting life. Ergonomic, non-slip grip for extra sawing power. Cuts on the pull stroke for more control when working overhead. Use on dry or green wood. Comes with protective sheath.

Stk.	Mfr.	Length	Price
<b>193220</b>	66414	13"	<b>\$37.80</b>



### Trenching Shovel

**RazorBack** Ideal blade design for trench clean out. 5" x 11" blade. 48" fiberglass handle. Mfr.'s lifetime warranty.

Stk.	Mfr.	Price
<b>618713</b>	47035	<b>\$38.70</b>



### Landscape Rake

**Ames** Aluminum 36" rake.

Stk.	Mfr.	Price
<b>943247</b>	61036A	<b>\$76.40</b>

## CHEST & CASE HARDWARE



591400 591415

### Lid Supports

**National** Designed to hold open lids on chests or boxes and to provide protection against slamming.

**Folding Lid Support** Also supports table legs, shelves. **Includes** screws.

Stk.	Mfr.	Finish	Mount	Qty.	Price
591400	N208-629	Brass Plated	Right	1	\$3.95
591375	N208-611	Brass Plated	Left	1	\$3.95

**Adjustable Tension Lid Support** **Includes** screws.

591415	N208-652	Brass Plated	Right	1	\$5.56
591410	N208-645	Brass Plated	Left	1	\$5.56



591420 591440 591450

### Spring Balanced Lid Supports

**National**  
**Includes** screws.

Stk.	Mfr.	Finish	Mount	Qty.	Price
591420	N208-660	Antique Brass Plate	Left	1	\$7.21
591440	N208-678	Antique Brass Plate	Right	1	\$7.21
591450	N208-686	Antique Brass Plate	Center	1	\$7.21



### Chest Hinges

**National** Universally approved as proper hinge for cedar chests.

**Includes** screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
591350	NI47-181	Brass Plated	1-1/2" x 3/4"	2	\$11.00



### Box Corners

**National** Protects corners while adding a decorative appearance to small chests, jewelry boxes, craft projects, etc.

**Includes** solid brass screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
591650	N213-462	Antique Brass	9/16" x 1-1/4"	4	\$5.49

## CATCHES & HASPS



591067 591620 591360 591610

### Locks & Catches

**National Lock** Great for use on cedar chests. Add a decorative touch to small chests, jewelry boxes, craft projects, etc.

**Surface-mount Lock** Cylinder is 7/8"L. **Includes** strike, key & screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
591067	C8414-KA-4G	Antique Brass	2-3/8" x 1-7/8"	1	\$31.00

**Snap Catch** **Includes** screws.

591620	N211-961	Antique Brass Plate	7/8" x 1-3/8"	1	\$3.28
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**Draw Catch** **Includes** screws.

591360	N208-595	Brass Plated	1-1/2" x 2-7/8"	2	\$5.08
591368	N208-603	Brass Plated	1-3/4" x 3-3/16"	1	\$4.36

**Decorative Catch** **Includes** solid brass pins.

591610	N211-953	Antique Brass	7/8" x 15/16"	2	\$4.55
591605	N211-946	Polished Brass	7/8" x 15/16"	2	\$4.55

591368|Lockable catch for use with a padlock



591540 591578 591595

### Box Hasps

**National** Solid brass hasps are ideal for crafts, small chests

and jewelry boxes. Surface mount with lock-accepting hasp feature.

**Includes** pins.

### Without Hook

Stk.	Mfr.	Finish	Size	Qty.	Price
591540	N211-474	Antique brass	5/8" x 1-7/8"	1	\$3.19
591530	N211-466	Polished brass	5/8" x 1-7/8"	1	\$3.19
591578	N211-904	Antique brass	3/4" x 2-3/4"	1	\$3.95
591570	N211-896	Polished brass	3/4" x 2-3/4"	1	\$3.95

### With Hook

Stk.	Mfr.	Finish	Size	Qty.	Price
591595	N211-920	Antique brass	3/4" x 2-3/4"	1	\$4.67
591588	N211-912	Polished brass	3/4" x 2-3/4"	1	\$4.67



### Safety Hasp

**National** Secure a wide variety of doors, cabinets, boxes, trunks, etc. All screws are concealed when hasp is closed. Ribbed design for extra strength. Ridged non-swivel staple. Made of hot rolled steel with WeatherGuard™ protection.

Stk.	Mfr.	Finish	Size	Qty.	Price
591300	N102-277	Zinc Plated	3-1/4"	1	\$3.92
591301	N102-459	Zinc Plated	6"	1	\$7.46

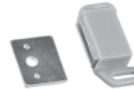


### Bullet Catch

**National**

**Includes** pins.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
591640	N219-055	Brass Plated	3/8" dia.	4	\$4.36



### Magnetic Catch

**National** Use on cabinet doors or full size doors. Magnet floats to adjust door movements.

Stk.	Mfr.	Qty.	Price
591760	S826-123	1	\$1.38



### Double Roller C-Clip Catch w/Spear

**Brainerd**

**Includes** screws.

**Includes** screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
278697	69201	Unichrome	1-1/4"L x 1/2"H	1	\$1.57

## KNOBS, PULLS & HANDLES



### Brass Knobs

**National** East-to-install knobs add a decorative touch.

Stk.	Mfr.	Finish	Size	Qty.	Price
591655	N213-488	Brass Plated	1/2" dia.	2	\$3.75
591660	N213-496	Brass Plated	5/8" dia.	2	\$4.10





### Concave Brass Knob

**Brainerd**

**Includes** screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
278692	P65015H-PB-C	Polished Brass	1-1/2" dia.	1	\$1.43



### Ball Knobs

**Dowl-It** Unfinished hardwood. Flat on 1 side, drilled with pilot screw hole.

Stk.	Mfr.	Finish	Size	Qty.	Price
341013	63201	Northern Hardwood	1" dia.	25	\$10.20
341014	63205	Northern Hardwood	1-1/4" dia.	25	\$12.20



### Round Top Knobs

**Dowl-It** Unfinished, round top.

Stk.	Mfr.	Finish	Size	Qty.	Price
341011	63005	Northern Hardwood	1" dia.	25	\$10.00
341012	63009	Northern Hardwood	1-1/4" dia.	25	\$13.50



### Birch Round Top Knob

**Brainerd** Unfinished round top.

**Includes** screws.

Stk.	Mfr.	Finish	Size	Qty.	Price
278691	69220	Birch	1-1/4" dia.	1	\$1.18



### Decorative Metal Pull

**Liberty**

**Includes** screws.

Stk.	Mfr.	Finish	Centers	Qty./Pkg.	Price
278693	P793A0H-AB-C	Antique brass	3"	1	\$2.24

### Tool Box Handles

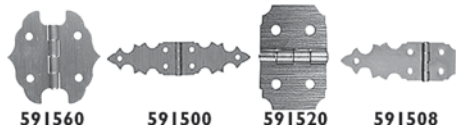
For Tool Box Kits MTK, WTK & JTK. **Includes** handle and 2 cleats.

Stk.	Mfr.	Finish	Qty.	Price
233012	K140N-5	Steel	1	\$2.27

For Tool Box Kits MTK & WTK. Black Handle / Nickel plated fittings

Stk.	Mfr.	Centers	Qty.	Price
232920	350-7415	6" w/fittings	1	\$3.92

## HINGES



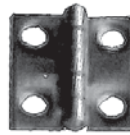
### Decorative Hinges

**National** Solid brass hinges add a decorative appearance to

small chests, jewelry boxes, craft projects, etc. Surface mount.

**Includes** solid brass pins.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
591560	N211-813	Antique Brass	1-1/8" x 1-1/8"	2	\$3.19
591500	N211-425	Antique Brass	5/8" x 2-3/4"	2	\$3.56
591520	N211-458	Antique Brass	5/8" x 1"	2	\$3.28
591508	N211-433	Solid Brass	5/8" x 1-7/8"	2	\$3.47



### Standard Butt Hinges

**National** Solid brass fast-pin hinges for use on small boxes, chests and cabinets. Surface mount.

**Includes** screws.

### Narrow Hinge

Stk.	Mfr.	Finish	Joint L	Open W	Qty./Pkg.	Price
942786	N211-193	Solid Brass	3/4"	5/8"	4	\$3.56
942787	N211-177	Solid Brass	1"	3/4"	4	\$4.00
942788	N211-219	Solid Brass	1-1/2"	7/8"	2	\$4.10
942789	N211-235	Solid Brass	2"	1"	2	\$4.92
591459	N211-201	Antique Brass	3/4"	5/8"	2	\$3.28
591458	N211-185	Antique Brass	1"	3/4"	2	\$3.40
591460	N211-227	Antique Brass	1-1/2"	7/8"	2	\$4.10
591470	N211-243	Antique Brass	2"	1"	2	\$4.92
942791	N211-284	Solid Brass	1"	13/16"	4	\$4.47

### Medium Hinge

942790	N211-276	Solid Brass	3/4"	11/16"	4	\$3.82
942792	N211-292	Solid Brass	1-1/2"	1"	2	\$4.47
942793	N211-300	Solid Brass	2"	1-3/16"	2	\$5.08

### Broad Hinge

591493	N211-359	Solid Brass	1-1/2"	1-1/4"	2	\$4.67
942794	N211-326	Solid Brass	3/4"	1"	4	\$4.30
942795	N211-334	Solid Brass	1"	1"	4	\$4.55
591494	N211-375	Solid Brass	2"	1-3/8"	2	\$5.49
591490	N211-342	Antique Brass	1"	1"	2	\$3.75
942796	N211-367	Antique Brass	1-1/2"	1-1/4"	2	\$4.67
942797	N211-383	Antique Brass	2"	1-3/8"	2	\$5.49



### Narrow Butt Hinges

**National** Solid brass fast-pin hinges for use on small boxes, chests and cabinets. Surface mount.

**Includes** screws.

### Non-removable Pin

Stk.	Mfr.	Finish	Joint L	Open W	Qty./Pkg.	Price
942760	N145-920	Zinc Plated	1"	1"	2	\$3.56
942761	N146-043	Zinc Plated	1-1/2"	1-7/16"	2	\$3.75
942762	N146-159	Zinc Plated	2"	1-9/16"	2	\$4.00
942763	N146-258	Zinc Plated	2-1/2"	1-11/16"	2	\$4.67

### Removable Pin

942764	N141-739	Zinc Plated	1-1/2"	1-7/16"	2	\$4.30
942765	N141-838	Zinc Plated	2"	1-9/16"	2	\$4.74
942766	N141-945	Zinc Plated	2-1/2"	1-11/16"	2	\$5.49



### Continuous Hinges

**National** Use on chests, cabinets, folding tables, etc. Screw holes are spaced at 2" intervals. Cold-rolled steel hinge and pin can be cut to desired length. Friction-type steel pin will not fall out. Surface mount allows easy installation.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
591750	N265-355	Polished Brass	1-1/16" x 12"	1	\$7.03
591752	N265-371	Nickel Plated	1-1/16" x 12"	1	\$7.03
591342	N148-205	Polished Brass	1-1/16" x 30"	1	\$11.40
591343	N148-221	Nickel Plated	1-1/16" x 30"	1	\$11.40
591346	N148-353	Polished Brass	1-1/16" x 48"	1	\$15.90
591347	N148-379	Nickel Plated	1-1/16" x 48"	1	\$15.90
591751	N265-363	Polished Brass	1-1/2" x 12"	1	\$7.75
591753	N265-389	Nickel Plated	1-1/2" x 12"	1	\$7.75
591340	N148-155	Polished Brass	1-1/2" x 30"	1	\$12.60
591341	N148-171	Nickel Plated	1-1/2" x 30"	1	\$12.60
591344	N148-304	Polished Brass	1-1/2" x 48"	1	\$16.50
591345	N148-320	Nickel Plated	1-1/2" x 48"	1	\$16.50



### Inset Hinges

**National** Steel hinges for use on cabinet doors.

**Includes** screws.

Stk.	Mfr.	Finish	Qty.	Price
<b>591770</b>	S826-370	Chrome	2	<b>\$2.98</b>
<b>591771</b>	S838-219	Brass	2	<b>\$2.98</b>

## GENERAL HARDWARE



### Braces

**National** Flat design allows for quick and easy surface repairs to chests, screens, windows, etc.

**942770 942767 942772**

**Chair Braces** **Includes** screws.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
<b>942770</b>	N176-347	Antique Bronze	1" x 3/4"	4	<b>\$4.62</b>

**Corner Braces**

<b>942767</b>	N266-270	Zinc Plated	1" x 1/2"	1	<b>\$0.58</b>
<b>942768</b>	N266-361	Zinc Plated	2" x 5/8"	1	<b>\$0.85</b>
<b>942769</b>	N266-395	Zinc Plated	3" x 3/4"	1	<b>\$1.33</b>

**Flat Corner Braces**

<b>942772</b>	N266-460	Zinc Plated	1-1/2" x 3/8"	1	<b>\$0.65</b>
<b>942773</b>	N266-486	Zinc Plated	2" x 3/8"	1	<b>\$0.67</b>
<b>942774</b>	N266-528	Zinc Plated	3" x 1/2"	1	<b>\$0.98</b>



### Lazy Susan Bearings

**Primex** All ball-bearing construction, one piece.

Stk.	Mfr.	Capacity	Size	Price
<b>589910</b>	57082	200 lbs.	3"	<b>\$2.30</b>
<b>589914</b>	57138	300 lbs.	4"	<b>\$2.70</b>
<b>589918</b>	57059	500 lbs.	6"	<b>\$4.86</b>
<b>589925</b>	57012	1,100 lbs.	12"	<b>\$11.50</b>



### Screw Bumpers

**Shepherd** Bumpers protect surfaces and deaden sound. Not for use under chair legs.

Stk.	Mfr.	Material	Size	Qty./Pkg.	Price
<b>942668</b>	19131	White Rubber	7/8" dia.	4	<b>\$1.80</b>
<b>942685</b>	19136	Brown Plastic	7/8" dia.	4	<b>\$2.04</b>



### Screw Eyes

**Hillman** Zinc-plated steel.

**Small Eye**

Stk.	Mfr.	Length	Size	Qty./Box	Price
<b>527726</b>	320072	1-3/16"	10 ga.	100	<b>\$7.02</b>
<b>527727</b>	320081	15/16"	12 ga.	100	<b>\$7.02</b>
<b>527728</b>	320087	13/16"	14 ga.	100	<b>\$7.02</b>
<b>527729</b>	320096	1/2"	16.5 ga.	100	<b>\$5.92</b>

**Medium Eye**

<b>527732</b>	320039	1-9/16"	8 ga.	100	<b>\$17.30</b>
<b>527736</b>	320045	1-1/4"	10 ga.	100	<b>\$11.90</b>
<b>527737</b>	320048	1-1/8"	12 ga.	100	<b>\$7.02</b>



### Corrugated Joint Fasteners

**Tower** Bright Steel

Stk.	Mfr.	Width	Corrugations	Qty.	Price
<b>942502</b>	122706	3/8"	5	100	<b>\$2.33</b>
<b>942512</b>	122707	1/2"	5	100	<b>\$3.03</b>
<b>942528</b>	122708	5/8"	5	100	<b>\$3.35</b>



### Clothespins

**Midwest** Wooden clothespin with metal spring.

Stk.	Mfr.	Qty.	Price
<b>943282</b>	3912753-50	50/pkg.	<b>\$5.59</b>

## CLIPBOARD PARTS



### Clipboard Clips

**Delvies** Strong coiled spring-clamping action. 2-hole mounting. Vertical paper stops.

6" clamping base.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
<b>773000</b>	220	Bright Nickel	6" Clamping Base	1	<b>\$2.60</b>

**Clipboard Fasteners**

**Hillman**

Stk.	Mfr.	Item	Size	Length	Qty./Box	Price
<b>527556</b>	101053	Machine Screw	8-32	1/2"	100	<b>\$3.49</b>
<b>527885</b>	180078	Acorn Nut	8-32		100	<b>\$13.90</b>

## SHELF PINS



### Shelf Supports

**Shop Fox** Clear supports for easy-to-adjust shelving. Drill holes and insert the supports.

Stk.	Mfr.	Size	Qty.	Price
<b>785680</b>	D3146	13/64" dia. x 5/16"L	12	<b>\$2.66</b>

### Shelf Pin Jigs

**Kreg** Add shelf pin holes to existing furniture or to shelves built from scratch. Hardened steel drill guides ensure precise and straight drilling.

- Quick switch fence can be easily removed & moved to the other side of the jig

- Standard hole size/spacing drill guides are placed at 32mm apart

- Multiple jigs may be connected together for more length

**Includes** shelf pin jig, locating pin, jig extender, specialized drill bit, depth collar, allen wrench, 4 shelf pins & instruction manual.

Stk.	Mfr.	Size	Price
<b>793897</b>	KMA3200	1/4" Kit	<b>\$34.70</b>
<b>793898</b>	KMA3220	5mm Kit	<b>\$34.70</b>

## CASTERS



### Plate Casters

**Shepherd** General-duty, swivel plate wheels are long wearing and low cost. Lightweight polypropylene wheels are non-marking, impervious to water, good chemical

resistance. Soft rubber wheels offer heavy loads quiet, floor protecting mobility on smooth, hard surfaces and finished concrete.

### Swivel Casters

Stk.	Mfr.	Wheels	Plate Size	Capacity	Price
943115	9392	2" Polypropylene	1-7/8" x 2-9/16"	125 lb.	\$2.64
943116	9478	2-1/2" Rubber	2-3/4" x 3-7/8"	175 lb.	\$6.39
943117	9479	3" Rubber	4-1/8" x 3-1/8"	210 lb.	\$8.04

### Locking Swivel Casters

Stk.	Mfr.	Wheels	Plate Size	Capacity	Price
943120	9511	3" Rubber	4-1/8" x 3-1/8"	210 lb.	\$8.74

### Rigid Casters

Stk.	Mfr.	Wheels	Plate Size	Capacity	Price
942954	9481	2" Rubber	1-1/2" x 2-21/32"	125 lb.	\$2.73
943118	9482	2-1/2" Rubber	2-1/8" x 4-3/8"	175 lb.	\$5.19
943119	9483	3" Rubber	2-5/16" x 4-7/8"	210 lb.	\$6.77



### 3-Wheel Dolly

**Shepherd** Steel construction with tough polyolefin wheels swivel easily on steel ball bearings. For moving heavy furniture and machinery.

Stk.	Mfr.	Wheels	Plate Size	Capacity	Price
942957	9299	1-1/4" Soft	6-7/8" x 5-11/16"	200 lb.	\$9.34

## HANGERS & HOOKS



### Hooks

**National** Polished brass.

### Coat & Hat Hook Includes screws.

Stk.	Mfr.	Projection	Qty./Pkg.	Price
591355	N178-897	2-3/4"	2	\$2.73

### Heavy-Duty Hook

591700	N248-229	1-3/4"	1	\$5.78
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### Cup Hooks

**Hillman**

Stk.	Mfr.	Finish	Projection	Qty./Pkg.	Price
527715	320397	Solid Brass	1/2"	100	\$13.80
527716	320403	Solid Brass	3/4"	100	\$17.10
527717	320408	Solid Brass	1"	100	\$28.20
527718	320414	Solid Brass	1-1/2"	50	\$23.70

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.



### Hangar Plate

**National** Steel Hangar Plate

Includes screws.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
591630	N213-413	Brass Plated	9/16" x 2"	4	\$3.28

514236



### Picture Hangars

**Anchor Wire**



514252

### Sawtooth Hangar Attach to back of frame. Easy-level notches.

Stk.	Mfr.	Size	Qty./Pkg.	Price
514252	I21136	Large (2-1/4")	5	\$1.12
514194	PFSH20	Large (2-1/4")	100	\$11.20
514253	I21140	Small (1-5/8")	6	\$1.12
514193	PFSH10	Small (1-5/8")	100	\$7.80

### Steel Hook Hangars For all wall types. Includes matching-weight nails.

Stk.	Mfr.	Size	Qty./Pkg.	Price
514236	I21020	20 lb.	8	\$0.93
514237	I21030	30 lb.	6	\$0.93



### Picture Hangar Assortment

**Hillman** Picture hanging assortment.

Includes brass nails (#16 x 1" & 1-1/2", #18 x 1/2"), brass screw eyes (#2 x 5/8"), galvanized picture wire (10' x 7 ga.), brass hangers (10 lb., 30 lb., 50 lb., 100 lb.), 1-3/4" brass cup hooks, 1-3/4" brass shoulder hooks, brass thumbtacks, picture pender, push pins & sawtooth hangers.

Stk.	Mfr.	Price
514285	I30278	\$19.20



### Pegboard Hooks

**National** Galvanized steel.

### 1/8" & 1/4"

Stk.	Mfr.	Projection	Qty./Pkg.	Price
943054	N235-101	2"	1	\$0.65
943055	N235-119	4"	1	\$0.75
943056	N235-127	6"	1	\$0.83

### 1/4"

Stk.	Mfr.	Projection	Qty./Pkg.	Price
943057	N235-234	4"	1	\$1.01
943058	N235-242	6"	1	\$1.14
943059	N235-259	8"	1	\$1.30



### 47-piece Pegboard Hook Assortment

**Crawford** Mounts in 1/8" & 1/4" pegboard.

Includes 6 pegboard mounting screws & spacers, straight hooks (8 ea. 1" & 6 ea. 1-1/2"), curved hooks (6 ea. 1/4" & 4 ea. 1"), two 2" double prong straight hooks, two 6" shelf brackets, 2 grip clips, 2 pliers holders, 2 tool holders & multi-tool rack.

Stk.	Mfr.	Price
943316	I851A	\$7.60

# DOWEL RODS, JIGS & SUPPLIES

## Birch Dowel Rods

**Cincinnati Dowel** Sanded wooden dowels for toy uses & craft applications of all types. Holds straightness through entire length. Accurate diameters.

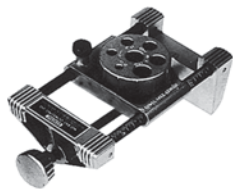
**Quantity Savings!**

### 36" L Dowel Rods

Stk.	Mfr.	Size	Qty.	Price	Qty. Price
473990	36-1/8	1/8"	1	\$0.35	100 or more \$0.29
473995	36-3/16	3/16"	1	\$0.40	100 or more \$0.34
474000	36-1/4	1/4"	1	\$0.53	100 or more \$0.44
474067	36-5/16	5/16"	1	\$0.79	100 or more \$0.67
474134	36-3/8	3/8"	1	\$1.13	100 or more \$0.95
474140	36-7/16	7/16"	1	\$1.54	50 or more \$1.31
474201	36-1/2	1/2"	1	\$1.73	50 or more \$1.47
474268	36-5/8	5/8"	1	\$2.72	25 or more \$2.29
474335	36-3/4	3/4"	1	\$3.91	25 or more \$3.31
474340	36-7/8	7/8"	1	\$5.87	15 or more \$4.99
474402	36-1	1"	1	\$6.12	10 or more \$5.20
474404	36-1-1/4	1-1/4"	1	\$9.55	9 or more \$8.10

### 48" L Dowel Rods

Stk.	Mfr.	Size	Qty.	Price	Qty. Price
473991	48-1/8	1/8"	1	\$0.50	100 or more \$0.42
473996	48-3/16	3/16"	1	\$0.59	100 or more \$0.49
474001	48-1/4	1/4"	1	\$0.80	100 or more \$0.67
474068	48-5/16	5/16"	1	\$1.12	100 or more \$0.94
474135	48-3/8	3/8"	1	\$1.60	100 or more \$1.35
474141	48-7/16	7/16"	1	\$2.23	50 or more \$1.89
474202	48-1/2	1/2"	1	\$2.48	50 or more \$2.09
474269	48-5/8	5/8"	1	\$3.97	25 or more \$3.35
474336	48-3/4	3/4"	1	\$5.69	25 or more \$4.82
474341	48-7/8	7/8"	1	\$6.39	15 or more \$5.42
474403	48-1	1"	1	\$8.72	10 or more \$7.41
474405	48-1-1/4	1-1/4"	1	\$13.40	9 or more \$11.40



### Pro™ Doweling Jig Kit

**Bendpak** A simple tool for making fast, accurate dowel holes in furniture and other carpentry projects. Slide jig over the wood surface and use the revolving turret to drill precise dowel holes. Rust-resistant plated turret and parts.

Use for end-to-end, edge-to-edge and edge-to-

end doweling. Jig accepts 6 twist bit sizes (3/16", 1/4", 5/16", 3/8", 7/16" & 1/2"). Fits stock up to 4".

**Includes** 1/4", 5/16" & 3/8" accessory kit (3 brad point drill bits, 3 steel stops w/wrench, 6 dowel centers, 30 asst. dowel pins), plus craft glue & instructions.

Stk.	Mfr.	Price
419625	840	\$46.00



### E-Z Pro™ Doweling Jig Kit

**Bendpak** Everything needed to easily make strong, professional 1/4", 5/16" and 3/8" wood joints. Heavy-duty aluminum jig simplifies doweling process for creating edge-to-edge, right angle and edge-to-surface joints. Pointed notches on the jig's working edges precisely

centers drill bit. Ideal for 5/8" to 1" stock.

**Includes** 1/4", 5/16" & 3/8" accessory kit (3 brad point drill bits, 3 steel stops w/wrench, 6 dowel centers, 30 asst. dowel pins), plus instructions.

Stk.	Mfr.	Price
419629	841	\$39.50



## Self-centering Doweling Jig Kits

**Dowl-It** Self-centering guide assures accurate center drilling, even on round objects. Large 2" capacity. The solid steel guide center holes are precision drilled and reamed to exact size for extreme accuracy. USA made.

Drill sizes 1/4", 5/16", 3/8", 7/16" & 1/2" (7/16" & 1/2" holes are permanently drilled in center bar).

Stk.	Mfr.	Item	Price
341000	1000		\$68.60

Same as above, but with removable screw-in bushings for extra hole patterns & 2 permanently drilled holes in the center guide. **Includes** drill sizes 7/16" & 1/2", plus 2 each 1/4", 5/16", 3/8" removable bushings for drilling 2 same size parallel holes on 3/4" centers.

Stk.	Mfr.	Item	Price
341010	2000	Self-centering Jig w/Removable Bushings	\$76.20



## Dowel Centers

**Clesco** Quickest and most accurate method to locate, transfer and match dowel holes. Nickel plated steel.

Stk.	Mfr.	Size	Qty.	Price
305420	TC-14	1/4"	1	\$0.59
305421	TC-516	5/16"	1	\$0.66
305422	TC-38	3/8"	1	\$0.69
305423	TC-12	1/2"	1	\$0.87

**8-Piece Kit Includes** 2 each of size 1/4", 5/16", 3/8", 1/2" dia.

Stk.	Mfr.	Size	Qty.	Price
305398	TC-8			\$4.74



## Doweling Accessory Kit

### General

**Includes** 1/4", 5/16" & 3/8" accessory kit (3 brad point drill bits, 3 steel stops w/wrench, 6 dowel centers, 30 asst. dowel pins).

Stk.	Mfr.	Price
419627	8401	\$15.50



## Dowel Pins

### Woodworks

**Multi-grooved** Precision cut for straightness and diameter size for a perfect fit every time.

Stk.	Mfr.	Size	Qty./Pkg.	Price
984006	MG4200-100	1/4" x 2"	100	\$4.14
984012	MG6200-100	3/8" x 2"	100	\$4.84

**Spiral-grooved** Made from domestic white birch and kiln dried. Provides excellent glue dispersion and bonding qualities.

Stk.	Mfr.	Size	Qty./Pkg.	Price
984010	SG6200-100	3/8" x 2"	100	\$4.50
984011	SG6200-1000	3/8" x 2"	1000	\$31.50

## 120-Piece Dowel Pin Kit

**Cincinnati Dowel** Multi-groove birch dowel pins.

**Includes** fifty 1/4" x 1-1/2", twenty 3/8" x 2", fifty 3/8" x 1-1/2" & case.



Stk.	Mfr.	Qty.	Price
403050	DPK-1	120	\$15.00

## WOODEN PARTS



### Pegs

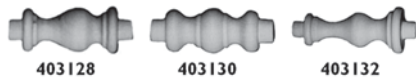
**Woodworks** Furniture-grade northern hardwood pegs. USA made.

### Mug Pegs

Stk.	Mfr.	Tenon Dia.	Length	Size	Qty./Pkg.	Price
984005	MP1BIR-100	1/2"	5/8"	5/8" x 3-3/8"	100	\$30.00

### Shaker Pegs & Mini Shaker Pegs

984003	HP1BIR-100	1/2"	1/2"	7/8" x 3-1/2"	100	\$35.70
984004	HP6BIR-100	1/4"	1/4"	1/2" x 1-3/4"	100	\$13.80



### Spindles

**Dowl-It** Northern hardwood spindles. USA made.

Stk.	Mfr.	Tenon Dia.	Length	Size	Qty./Pkg.	Price
403127	61628	1/4"	3/16"	9/16" x 1-1/2"	50	\$9.32
403128	61629	1/4"	3/16"	9/16" x 1-1/2"	100	\$15.00
403130	61571	3/8"	3/8"	7/8" x 2-1/4"	100	\$6.02
403132	61605	3/8"	1/4"	3/4" x 2-1/8"	100	\$5.97



### Wooden Blocks

**Woodworks** Unfinished wood cubes.

Stk.	Mfr.	Size	Qty.	Price
984015	SQ0750-100	3/4" x 3/4" x 3/4"	100	\$13.70
984016	SQ0750-1000	3/4" x 3/4" x 3/4"	1,000	\$87.50



### Wheels & Axle Pegs

**Dowl-It** Northern Hardwood. USA made.

### Wheels

Stk.	Mfr.	Dia.	Size	Qty./Pkg.	Price
403200	65603	1"	3/8" thick	100	\$15.60
403250	65611	1-1/2"	1/2" thick	100	\$28.80
403300	65619	2"	5/8" thick	100	\$54.00

### Axle Pegs

403136	65703	1/4" axle	1-1/4"L, 1/2" head	100	\$13.20
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### Screw Hole Buttons & Plugs

**Dowl-It**

### Buttons

Stk.	Mfr.	Size	Wood	Qty./Pkg.	Price
341031	60001	1/4"	Hardwood	100	\$4.73
341032	60005	3/8"	Hardwood	100	\$5.15
341034	60033	3/8"	Oak	100	\$7.97
341033	60009	1/2"	Hardwood	100	\$6.76
341036	60061	3/8"	Walnut	100	\$11.10
341035	60037	1/2"	Oak	100	\$9.16
341037	60065	1/2"	Walnut	100	\$15.50

### Round Head Plugs

341038	60505	3/8"	Hardwood	100	\$4.95
341039	60533	3/8"	Oak	100	\$8.36
403095	3/8"	3/8"	Walnut	100	\$1.49
403110	1/2"	1/2"	Walnut	100	\$1.52



### Screw Hole Button Kits

**Cincinnati Dowel** Mushroom screw hole buttons.

**3/8" Button Kit Includes** 100 ea. of birch, oak, walnut & cherry, plus case.

Stk.	Mfr.	Qty./Kit	Price
403049	SBK-2	400	\$32.60

**1/2" Button Kit Includes** 50 ea. of birch, oak, walnut & cherry, plus case.

Stk.	Mfr.	Qty./Kit	Price
403048	SBK-1	200	\$32.60

## LOCKS



### Disc Tumbler Locks

**National Lock** Five-disc tumbler lock of bright nickel. 1-3/4" x 1-1/2" body, each with a unique key.

Cylinder 15/16"L, 7/8" dia. Deadbolt travel 1 1/32". Center of Cylinder to edge 3/4".

**Includes** 2 keys with each lock.

### Disc Tumbler Lock

Stk.	Mfr.	Price
591201	C8703-KD-14A	\$15.20

**Master Keyed Disc Tumbler Lock** Same as above, but lock also has master-key option (Master key sold separately).

591268	C8703-MKKD-14A	\$18.40
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### Cylinder Lock

**National Lock** Locks are master keyed with regular key changes. For doors with lipped or flush construction. 90° cam turn. Key can be removed in locked and unlocked positions. Bright nickel.

Cylinder 5/8"L. Max. material thickness 15/64".

### Cylinder Lock

Stk.	Mfr.	Price
591134	C8052-MKKD-14A	\$15.20

### Master Key

**National Lock** For Mfg. C8703-MKKD-14A & C8052-MKKD-14A.

Stk.	Mfr.	Price
591000	E41A	\$5.66



### Combination Locks

**Master Lock** BlockGuard® Anti-Shim Technology withstands attempts to violate the latch mechanism. Includes combination chart to facilitate lock system administration. Double-reinforced stainless steel body withstands abuse. Hardened steel shackle for extra cut resistance. 3-number dialing with automatic scrambling feature to prevent re-opening of lock.

**For security reasons, all Master combination locks are shipped direct from factory.**

### Non-Keyed Lock

Stk.	Mfr.	Body	Shackle	Price
145067	1502	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	\$7.34

**Keyed Lock** For supervisory access. Keyed Lock does not include Control Key. Please specify series number if trying to maintain control by present master key.

145134	1525	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	\$8.22
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### Control Key

145000	1525K			\$4.49
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**Laminated Padlocks**

**Master Lock** Commercial grade padlocks feature superior protection from drilling and prying. Laminated steel body for superior strength. Hardened steel shackle for superior cut resistant. Dual locking levers provide extra pry resistance. Non-rekeyable cylinder helps prevent picking.

*Please specify Series No. if maintaining control w/present master key, may be priced slightly higher.*

**No. 7** Hardened boron shackle. Body 1-1/8"W. Shackle 3/16" dia. x 9/16"H x 1/2"W. Cylinder 4-pin W7.

Stk.	Mfr.	Item	Series No.	Price
144984	7	Keyed Different		\$9.09
144987	7KA	Keyed Alike	P605	\$10.30
144988	7MK	Master Keyed	M30	\$15.10
144986	K7	Master Key Only	M30	\$4.38

**No. 3** Body 1-9/16"W. Shackle 9/32" dia. x 3/4"H x 5/8"W. Cylinder 4-pin W1.

Stk.	Mfr.	Item	Series No.	Price
144980	3	Keyed Different		\$10.40
144981	3KA	Keyed Alike	3769	\$12.60
144982	3MK	Master Keyed	SM742	\$17.40
144970	K1	Master Key Only	SM742	\$4.38

**No. 1** Body 1-3/4"W. Shackle 5/16" dia. x 15/16"H x 3/4"W. Cylinder 4-pin W1.

Stk.	Mfr.	Item	Series No.	Price
144950	1	Keyed Different		\$12.60
144951	1KA	Keyed Alike	2510	\$12.50
144952	1KAMK	Master Keyed	AF	\$18.10
144953	K1	Master Key Only	AF	\$4.38

**No. 15** Body 2-1/2"W. Shackle 7/16" dia. x 1-1/4"H x 1-3/16"W. Cylinder 5-pin W15.

Stk.	Mfr.	Item	Series No.	Price
144990	15	Keyed Different		\$27.20
144991	15KA	Keyed Alike	10N150	\$28.20
144992	15MK	Master Keyed	M80	\$31.70
144993	K15	Master Key Only	M80	\$4.38

**KEY KEEPERS**



**24" Chrome Bracket Mount Key-Bak®**

**Key-Bak** Protect students and meet safety regulations with the retractable Key-Bak by mounting the chuck key to the drill press. Secure pocket-watch-size retractor to any flat surface using its metal bracket attachment. The textured-chrome case houses a 24" stainless steel chain allowing key or tool use at arm's

length and at any angle without detachment. The precision-made Key-Bak has a lifetime service policy.

**Large Swivel** Without split ring for larger items.

Stk.	Mfr.	Price
494000	7LSC	\$15.10

**Small Swivel** 1-1/8" split ring for holding small tools, instruments, etc.

Stk.	Mfr.	Price
494002	7	\$14.10



**Super 48" Key-Bak®**

**Key-Bak** Case made from durable polycarbonate material. Carries up to 15 keys. Attachment to your belt is done either by a metal clip that can convert to a belt loop (with the enclosed pin) or a leather loop that slides onto a belt. Patented ball-joint feature secures the keys firmly in place.

Stk.	Mfr.	Item	Price
494005	S48K	Belt Clip / Loop	\$15.90
494006	S48-LEK	Leather Loop	\$18.20

**MAGNETS**

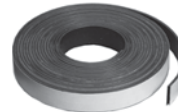


**Power Magnets**

**General** Strong and permanent magnets made of aluminum, nickel and cobalt alloy are great for lifting, holding, sorting, clamping or riveting steel or iron parts. Top hole for attaching conveyors, racks & welding jigs.

**Includes** steel keeper.

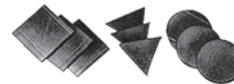
Stk.	Mfr.	Item	Size	Weight	Pull	Price
418072	370-1	Pocket Magnet		1 oz.	2-1/4 lbs.	\$7.77
418139	370-4	Power Magnet	3/16" hole top	4 oz.	22 lbs.	\$24.00
418206	370-6	Power Magnet	3/16" hole top	6 oz.	30 lbs.	\$32.10



**Flexible Magnetic Tape**

**Master Magnetics** Powerful adhesive backing sticks to most project surfaces. Cuts easily with scissors. All rolls have adhesive on one side and magnetic material on the other.

Stk.	Mfr.	Size	Price
530005	07019	1" x 10'	\$8.45



**Magnet Assortment**

**Master Magnetics** Magnets can be cut into a variety of sizes and shapes.

**Includes** ten 1-1/4" round, ten 1-1/4" square & ten 1-1/4" triangular flex magnets.

Stk.	Mfr.	Price
530010	07257	\$9.39



**Ceramic Disc Magnet Set**

**Master Magnetics** Also known as ferrite magnets, these powerful discs are made from the highest grade ceramic material available giving them unbeatable pull strength. Ideal for crafters and teachers. Attach to photo frames, calendars, schedules and more. Display on ferrous metal surfaces.

Stk.	Mfr.	Size	Qty./Pkg.	Price
943193	07003	3/4" dia. x 3/16"T	8	\$2.61



**Neodymium Disc Magnet Set**

**Master Magnetics** Powerhouse magnetic discs are small, but great for projects that require extreme strength. Magnets can chip if dropped.

Stk.	Mfr.	Size	Qty./Pkg.	Price
943194	07046	.472" dia. x 0.118"T each	6	\$10.50
943195	07047	.709" dia. x 0.118"T each	3	\$10.50



**Magnetizer & Demagnetizer**

**General** Powerful rare earth magnet designed for magnetizing and demagnetizing screwdrivers, nut runners, wrenches, taps and small tools. Converts any tool blade into a magnetic retriever for screws, nuts and metallic particles.

Stk.	Mfr.	Price
418050	360	\$3.66



### Magnetic Adjustable Links

**General** Magnetic adjustable links for welding and holding.

**Includes** 2 blocks 2" x 1" w/wing nut adjusters.

Stk.	Mfr.	Price
<b>418608</b>	375	<b>\$78.80</b>



### Magnetic Tool Holder

**Master Magnetics** Strong, permanent magnetic bars are designed to hold large or small

tools or metal parts firmly. Provides easy grasp and instant release. Black w/ yellow Day-Glo striping for high visibility.

Stk.	Mfr.	Length	Price
<b>530000</b>	07661	24"	<b>\$21.20</b>

## CABLE TIES & VELCRO



### Nylon Cable Ties

**Gardner Bender** Self-locking nylon ties for bundling wire, cables, harnesses and more.

#### White

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
<b>942906</b>	46-308	8"	75 lbs.	2"	100	<b>\$4.05</b>
<b>942910</b>	46-308MN	8"	75 lbs.	2"	1,000	<b>\$46.00</b>

#### Black UV resistant.

<b>942908</b>	46-310UVB	11"	75 lbs.	3"	100	<b>\$14.80</b>
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### 8" Nylon Cable Ties

**Gardner Bender** Double lock cable ties of 100% nylon 6/6 material. Locking teeth on both sides of the tie and at the head ensuring a strong connection. Assorted fluorescent.

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
<b>416575</b>	46-308FST	8"	75 lbs.	2"	100	<b>\$6.63</b>



### Cable Tie Assortment Fastener Barn

**Includes** 135 cable ties (4"L - 11"L, 18 lbs. - 50 lbs. tensile strength), 10 adhesive mounts 3/4" x 3/4" & 10 screw mounts 3/4" x 1/2", plus plastic case w/informational top.

Stk.	Mfr.	Qty.	Price
<b>485509</b>	CT99	155	<b>\$42.30</b>



### Cable Tie Tensioning Tool

**Gardner Bender** Tightens & cuts cable ties w/a quick twist. For ties up to 75 lb. tensile strength.

Stk.	Mfr.	Price
<b>416716</b>	CTT-45	<b>\$11.70</b>



### Velcro Velcro

Great for indoor and outdoor projects requiring a superior-strength or waterproof fastener. Black industrial-strength strips for strong closures. **Includes** pkg. w/built-in dispenser.

Stk.	Mfr.	Size	Qty.	Price
<b>942810</b>	90199	2"W x 4"L	2 strips	<b>\$3.70</b>
<b>942812</b>	90197	2"W x 15'L	1 roll	<b>\$35.20</b>

General purpose black press-on fasteners are great for smooth surfaces such as painted wallboard, glass, metal and most plastics.

Stk.	Mfr.	Size	Qty.	Price
<b>942825</b>	90072	7/8"W x 7/8"L	12 squares	<b>\$2.99</b>

## RIVET TOOLS



### VHR-1X

**Marson** The perfect medium-duty tool that sets both steel and aluminum rivets.

Sets steel rivets 3/32" to 5/32" dia. Sets aluminum rivets 3/16" dia.

**Includes** assortment of rivets & washers in pouch.

Stk.	Mfr.	Price
<b>868387</b>	79002	<b>\$38.30</b>



### Medium Duty 10" Slim-nose Riveter

**Stanley Fastening** Spring-loaded handle ejects rivet stem automatically. Slim-nose right-angle design fits in difficult-to-reach places. Long handle makes riveter easy to squeeze.

Sets 1/8", 3/32", 5/32" & 3/16" diameter steel & aluminum rivets.

Stk.	Mfr.	Price
<b>597349</b>	MR33C	<b>\$11.70</b>



### MP-3V Air/Hydraulic Riveter

**Marson** Professional-series air/hydraulic riveter is designed to be light weight and well-balanced. Engineered to maximize stroke and pull force with a 3-jaw set. Direct connect or use the attached swivel for added convenience. Supplied with nosepieces to set rivets in all alloys and a

removable swivel air connection line with an air off/on valve built in. Adjustable vacuum system control allows operator to control the force of air needed to hold the rivet in place. Can also operate with the vacuum system turned off.

Stroke: 3/4". Pulling Force: 1,800 lbs. Capacity: 3/32" - 3/16".

**Includes** nosepieces, adjustment service wrenches, hydraulic fluid, fluid applicator, spare jaws & removable swivel air connection line with air on/off valve built in.

Stk.	Mfr.	Operating Pressure	Weight	Price
<b>868417</b>	39045	70-95 psi	2.9 lbs.	<b>\$335.00</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

# CAN'T FIND IT?

Call us at 800-831-5904.

**HP-2® Riveter**

**Marson** Die-cast high-strength aluminum alloy body has carbon steel upper handle and cushioned vinyl grip.

Sets steel rivets up to 3/16" dia.

**Includes** 4 mounted nosepieces (3/32", 1/8", 5/32", 3/16") & service wrench.

Stk.	Mfr.	Price
<b>868400</b>	39000	<b>\$60.30</b>

**HP-2® Rivetool Kit Includes** HP-2 Rivetool, 200 assorted rivets & case.

Stk.	Mfr.	Price
<b>868401</b>	39001	<b>\$65.60</b>

**Standard Blind Buttonhead Rivets**

**Marson** Rivet and Mandrel. For rivet tool kits & hand riveters. Low profile head diameter is twice the rivet body diameter providing adequate bearing surface for nearly all applications. Aluminum rivets are IFI grade 11, Steel Rivets are IFI grade 30.

**Aluminum IFI grade 11**

Stk.	Mfr.	Grip Range	Dia.	Qty.	Price
<b>868328</b>	40200	1/64" - 1/8"	3/32"	500	<b>\$15.80</b>
<b>868329</b>	40202	1/8" - 1/4"	3/32"	500	<b>\$16.30</b>
<b>868330</b>	86212	1/16" - 1/8"	1/8"	100	<b>\$4.65</b>
<b>868331</b>	40212	1/16" - 1/8"	1/8"	500	<b>\$12.60</b>
<b>868332</b>	86217	3/16" - 1/4"	1/8"	100	<b>\$4.95</b>
<b>868333</b>	40217	3/16" - 1/4"	1/8"	500	<b>\$14.20</b>
<b>868334</b>	86221	5/16" - 3/8"	1/8"	100	<b>\$5.78</b>
<b>868335</b>	40221	5/16" - 3/8"	1/8"	500	<b>\$19.00</b>
<b>868336</b>	86222	3/8" - 1/2"	1/8"	100	<b>\$6.48</b>
<b>868337</b>	40222	3/8" - 1/2"	1/8"	500	<b>\$20.70</b>
<b>868338</b>	86245	1/64" - 1/8"	3/16"	50	<b>\$4.86</b>
<b>868377</b>	40245	1/64" - 1/8"	3/16"	500	<b>\$24.90</b>
<b>868340</b>	86247	1/8" - 1/4"	3/16"	50	<b>\$4.92</b>
<b>868378</b>	40247	1/8" - 1/4"	3/16"	500	<b>\$25.60</b>
<b>868342</b>	86249	1/4" - 3/8"	3/16"	50	<b>\$5.32</b>
<b>868379</b>	40249	1/4" - 3/8"	3/16"	500	<b>\$29.10</b>
<b>868344</b>	86252	3/8" - 1/2"	3/16"	50	<b>\$5.59</b>
<b>868380</b>	40252	3/8" - 1/2"	3/16"	500	<b>\$32.00</b>
<b>868381</b>	40255	1/2" - 5/8"	3/16"	500	<b>\$38.30</b>
<b>868347</b>	42281	1/64" - 1/4"	1/4"	100	<b>\$14.80</b>
<b>868348</b>	42285	1/64" - 1/2"	1/4"	100	<b>\$18.10</b>

**Steel IFI grade 30**

Stk.	Mfr.	Grip Range	Dia.	Qty.	Price
<b>868351</b>	86112	1/16" - 1/8"	1/8"	100	<b>\$4.62</b>
<b>868352</b>	40112	1/16" - 1/8"	1/8"	500	<b>\$14.40</b>
<b>868353</b>	86117	3/16" - 1/4"	1/8"	100	<b>\$4.81</b>
<b>868354</b>	40117	3/16" - 1/4"	1/8"	500	<b>\$16.20</b>

**Round Back-Up Washers**

**Marson** Washers are .056" - .062" thick. They are used when fastening soft materials or to compensate for oversized holes where access to both sides of the work is possible.

**Aluminum**

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>868322</b>	86657	1/8"	100	<b>\$4.65</b>
<b>868323</b>	40657	1/8"	500	<b>\$16.90</b>
<b>868324</b>	86660	3/16"	100	<b>\$5.03</b>
<b>868325</b>	40660	3/16"	500	<b>\$17.50</b>

**Steel**

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>868370</b>	86658	1/8"	100	<b>\$4.19</b>
<b>868371</b>	40658	1/8"	500	<b>\$13.10</b>

**SCREWS****Slotted Round Head Wood Screws**

**Hillman** 100/pkg.

**Brass**

Stk.	Mfr.	Size	Length	Price
<b>516154</b>	386103	2	1/4"	<b>\$7.62</b>
<b>516221</b>	386106	2	3/8"	<b>\$8.22</b>
<b>516422</b>	386091	3	1/2"	<b>\$10.10</b>
<b>516355</b>	386118	4	3/8"	<b>\$6.14</b>
<b>516489</b>	386121	4	1/2"	<b>\$6.61</b>
<b>516623</b>	386124	4	5/8"	<b>\$7.96</b>
<b>516824</b>	386127	4	3/4"	<b>\$8.66</b>
<b>516757</b>	386163	6	5/8"	<b>\$9.86</b>
<b>516958</b>	386166	6	3/4"	<b>\$11.00</b>
<b>517293</b>	386172	6	1"	<b>\$13.50</b>
<b>517561</b>	386175	6	1-1/4"	<b>\$16.10</b>
<b>517762</b>	386178	6	1-1/2"	<b>\$18.10</b>
<b>517092</b>	386208	8	3/4"	<b>\$14.40</b>
<b>517427</b>	386214	8	1"	<b>\$17.70</b>
<b>517628</b>	386217	8	1-1/4"	<b>\$19.60</b>
<b>517829</b>	386220	8	1-1/2"	<b>\$22.80</b>
<b>517494</b>	386268	10	1"	<b>\$20.80</b>
<b>517896</b>	386274	10	1-1/2"	<b>\$29.30</b>

**Zinc-plated Steel**

Stk.	Mfr.	Size	Length	Price
<b>523390</b>	20024	4	1/2"	<b>\$2.35</b>
<b>523658</b>	20027	4	5/8"	<b>\$3.92</b>
<b>523993</b>	20030	4	3/4"	<b>\$3.92</b>
<b>523524</b>	20069	6	1/2"	<b>\$2.49</b>
<b>523792</b>	20072	6	5/8"	<b>\$2.60</b>
<b>524127</b>	20075	6	3/4"	<b>\$2.79</b>
<b>524663</b>	20081	6	1"	<b>\$3.30</b>
<b>525065</b>	20084	6	1-1/4"	<b>\$3.78</b>
<b>525467</b>	20087	6	1-1/2"	<b>\$4.32</b>
<b>523591</b>	20141	8	1/2"	<b>\$2.87</b>
<b>524261</b>	20147	8	3/4"	<b>\$3.30</b>
<b>524797</b>	20153	8	1"	<b>\$4.05</b>
<b>525199</b>	20156	8	1-1/4"	<b>\$4.32</b>
<b>525601</b>	20159	8	1-1/2"	<b>\$4.76</b>
<b>526137</b>	20162	8	2"	<b>\$6.54</b>
<b>526338</b>	20167	8	2-1/2"	<b>\$8.37</b>
<b>524395</b>	20221	10	3/4"	<b>\$4.49</b>
<b>524931</b>	20227	10	1"	<b>\$4.62</b>
<b>525333</b>	20230	10	1-1/4"	<b>\$5.67</b>
<b>525735</b>	20233	10	1-1/2"	<b>\$6.38</b>
<b>526204</b>	20239	10	2"	<b>\$7.83</b>
<b>526405</b>	20245	10	2-1/2"	<b>\$9.70</b>
<b>525400</b>	20275	12	1-1/4"	<b>\$6.97</b>

**Slotted Flat & Round Head Wood Screw Assortment**

**Hillman** Zinc-plated steel.

**Includes** flat head screw sizes: (10) #6 x 3/4", (10) #8 x 3/4", (8) #10 x 1-1/2", (15) #6 x 1/2" & round head screw sizes: (15) #4 x 1/2", (10) #6 x 1", (10) #8 x 1-1/4".

Stk.	Mfr.	Qty./Pkg.	Price
<b>514240</b>	124035	78	<b>\$3.81</b>





### Phillips Flat Head Wood Screws

Hillman 100/pkg.

#### Brass

Stk.	Mfr.	Size	Length	Price
514260	385618	4	1/2"	\$11.20
514261	385620	4	5/8"	\$11.60
514255	385622	4	3/4"	\$13.10
514256	385654	6	1/2"	\$8.19
514262	385658	6	3/4"	\$9.10
514263	385660	6	1"	\$12.90
514257	385662	6	1-1/4"	\$15.70
514258	385664	6	1-1/2"	\$20.90
514264	385700	8	3/4"	\$13.30
514265	385702	8	1"	\$16.50
514266	385704	8	1-1/4"	\$19.00
514269	385706	8	1-1/2"	\$26.40
514270	385710	8	2"	\$28.40
514267	385750	10	1"	\$19.90
514268	385752	10	1-1/4"	\$24.00
514271	385754	10	1-1/2"	\$27.60

#### Zinc-plated Steel

Stk.	Mfr.	Size	Length	Price
527430	40003	4	1/2"	\$2.73
527432	40004	4	3/4"	\$3.00
527433	40005	4	1"	\$3.73
527440	40012	6	1/2"	\$2.60
527441	40013	6	5/8"	\$2.70
527450	40015	6	3/4"	\$2.84
527451	40018	6	7/8"	\$3.03
527460	40021	6	1"	\$3.16
527472	40024	6	1-1/4"	\$3.62
527485	40027	6	1-1/2"	\$4.46
527445	40030	6	1-3/4"	\$5.43
527461	40033	6	2"	\$5.94
527442	40057	8	1/2"	\$2.84
527443	40058	8	5/8"	\$3.03
527452	40060	8	3/4"	\$3.00
527454	40061	8	7/8"	\$3.30
527462	40063	8	1"	\$3.49
527474	40066	8	1-1/4"	\$4.05
527487	40069	8	1-1/2"	\$4.38
527500	40072	8	1-3/4"	\$5.43
527510	40075	8	2"	\$6.05
527520	40081	8	2-1/2"	\$7.48
527515	40096	9	3/4"	\$3.81
527516	40099	9	1"	\$4.38
527517	40100	9	1-1/4"	\$5.00
527518	40102	9	1-1/2"	\$5.73
527519	40120	10	3/4"	\$3.73
527464	40123	10	1"	\$4.05
527476	40126	10	1-1/4"	\$4.70
527489	40129	10	1-1/2"	\$5.30
527502	40132	10	1-3/4"	\$6.43
527512	40135	10	2"	\$6.67
527522	40138	10	2-1/2"	\$8.51
527530	40141	10	3"	\$11.10
527465	40144	12	3/4"	\$5.40
527466	40147	12	1"	\$5.73
527478	40150	12	1-1/4"	\$6.16
527491	40153	12	1-1/2"	\$6.75
527493	40156	12	1-3/4"	\$7.70
527514	40159	12	2"	\$9.00
527524	40165	12	2-1/2"	\$10.70
527532	40168	12	3"	\$13.70



### Wood Screw Assortments

Hillman

**.52 lb. Includes** Phillips flat head (#4 x 1/2"), (#6 x 1/2", 3/4"), (#8 x 3/4"), (#10 x 1-1/4") & slotted round head (#6 x 1-1/4"), (#8 x 1").

Stk.	Mfr.	Price
514283	130206	\$5.94

**1.87 lb. Includes** Phillips flat head (#6 x 3/4", 1", 1-1/2"), (#8 x 3/4", 1", 1-1/4", 1-1/2", 2"), (#10 x 1-1/2"), Phillips brass flat head (#6 x 3/4", 1"), (#8 x 1", 1-1/4"), trim screw (#6 x 1-5/8") & cabinet screw (#8 x 1", 1-1/2").

Stk.	Mfr.	Price
514282	130280	\$19.20

### Flat Head Square Drive Wood Screws

Hillman Zinc coated. 100/pkg.



Stk.	Mfr.	Size	Length	Price
526620	70963	6	1/2"	\$3.22
526622	70964	6	3/4"	\$3.60
526624	70965	6	1"	\$4.30
526625	70966	6	1-1/4"	\$5.08
526626	70967	6	1-1/2"	\$5.97
526630	70969	8	1/2"	\$3.62
526632	70970	8	3/4"	\$4.30
526634	70971	8	1"	\$4.62
526635	70972	8	1-1/4"	\$5.70
526636	70973	8	1-1/2"	\$6.24
526637	70974	8	1-3/4"	\$8.27
526638	70975	8	2"	\$8.54
526640	70976	8	2-1/2"	\$12.70
526645	70979	10	3/4"	\$4.84
526646	70980	10	1"	\$5.51
526647	70981	10	1-1/4"	\$6.65
526648	70982	10	1-1/2"	\$7.27
526650	70983	10	1-3/4"	\$8.48
526651	70984	10	2"	\$9.27
526652	70985	10	2-1/2"	\$14.10
526654	70986	10	3"	\$16.80
526658	70990	12	1-1/4"	\$7.20
526660	70991	12	1-1/2"	\$12.00
526664	70993	12	2-1/2"	\$17.40

### Fine Thread Phillips Drywall Screws

Hillman Hardened steel. Bugle head. Black Phosphate coated.



Stk.	Mfr.	Size	Length	Qty./Box	Price
514175	39284	6	1"	100	\$2.27
514176	39286	6	1-1/8"	100	\$2.68
514177	39288	6	1-1/4"	100	\$2.92
514180	39290	6	1-5/8"	100	\$3.78
514182	39291	6	2"	100	\$5.23
514184	39292	6	2-1/4"	100	\$6.19
514188	39294	8	2-1/2"	100	\$7.15
514192	39296	8	3"	100	\$8.69

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**Coarse Thread Phillips Drywall Screws**

**Hillman** Hardened steel. Bugle head. Black Phosphate coated.

Stk.	Mfr.	Size	Length	Qty./Box	Price
527525	42400	6	1"	100	<b>\$2.60</b>
527526	42403	6	1-1/4"	100	<b>\$2.92</b>
527527	42409	6	1-5/8"	100	<b>\$3.84</b>
527528	42415	6	2"	100	<b>\$4.78</b>
527529	42421	8	2-1/2"	100	<b>\$6.75</b>
527531	42424	8	3"	100	<b>\$8.48</b>
527535	47123	6	1"	1,760	<b>\$20.30</b>
527536	47124	6	1-1/8"	1,615	<b>\$20.30</b>
527537	47125	6	1-1/4"	1,465	<b>\$20.30</b>
527538	47126	6	1-5/8"	1,105	<b>\$20.30</b>
527539	47127	6	2"	955	<b>\$20.30</b>
527540	47128	6	2-1/4"	860	<b>\$20.30</b>
527541	47129	8	2-1/2"	560	<b>\$20.30</b>
527542	47130	8	3"	510	<b>\$20.30</b>



**Hex Head Lag Screws**

**Hillman** Zinc-plated Steel

Stk.	Mfr.	Size	Length	Qty./Box	Price
527813	230021	1/4"	3"	100	<b>\$14.80</b>
527823	230057	5/16"	3"	100	<b>\$22.40</b>
527833	230089	3/8"	3"	50	<b>\$17.00</b>
527840	230131	1/2"	4"	25	<b>\$18.10</b>



**Pan Head Sheet Metal Screws**

**Hillman** Type AB. Zinc-plated Steel. 100/pkg.

**Pan Head Phillips**

Stk.	Mfr.	Size	Length	Price
526680	80002	4	1/4"	<b>\$2.70</b>
526684	80008	6	1/4"	<b>\$2.70</b>
526691	80024	7	1/2"	<b>\$4.78</b>
526692	80027	7	3/4"	<b>\$5.38</b>
526693	80030	7	1"	<b>\$5.73</b>
526702	80057	10	3/8"	<b>\$3.87</b>

**Pan Head Combination**

Stk.	Mfr.	Size	Length	Price
526681	73997	4	3/8"	<b>\$3.16</b>
526682	73998	4	1/2"	<b>\$3.30</b>
526683	74000	4	3/4"	<b>\$3.68</b>
526685	74003	6	3/8"	<b>\$3.30</b>
526686	74006	6	1/2"	<b>\$3.43</b>
526687	74007	6	5/8"	<b>\$3.54</b>
526688	74009	6	3/4"	<b>\$3.84</b>
526689	74012	6	1"	<b>\$4.11</b>
526690	80023	7	3/8"	<b>\$4.65</b>
526694	74021	8	3/8"	<b>\$3.68</b>
526695	74024	8	1/2"	<b>\$3.84</b>
526696	74025	8	5/8"	<b>\$3.97</b>
526697	74027	8	3/4"	<b>\$4.11</b>
526698	74030	8	1"	<b>\$4.65</b>
526699	74033	8	1-1/4"	<b>\$5.46</b>
526700	74036	8	1-1/2"	<b>\$6.65</b>
526701	74039	8	2"	<b>\$8.48</b>
526703	74045	10	1/2"	<b>\$4.46</b>
526704	80063	10	5/8"	<b>\$4.19</b>
526705	74048	10	3/4"	<b>\$4.78</b>
526706	74051	10	1"	<b>\$5.62</b>
526707	74054	10	1-1/4"	<b>\$6.81</b>
526708	74057	10	1-1/2"	<b>\$7.59</b>
526709	74060	10	2"	<b>\$9.45</b>
526710	74064	12	1/2"	<b>\$5.86</b>
526711	74066	12	3/4"	<b>\$7.29</b>
526712	74069	12	1"	<b>\$8.10</b>
526713	74072	12	1-1/4"	<b>\$8.91</b>
526714	74075	12	1-1/2"	<b>\$11.10</b>
526715	74078	12	2"	<b>\$12.50</b>



**Phillips Pan Head Self Drilling Sheet Metal Screws**

**Hillman** Zinc plated. 100/pkg.

Stk.	Mfr.	Size	Length	Price
526746	560270	8	1/2"	<b>\$7.35</b>
526747	560274	8	3/4"	<b>\$9.08</b>
526748	560276	8	1"	<b>\$9.97</b>
526749	560280	8	1-1/2"	<b>\$12.10</b>
526751	560288	10	3/4"	<b>\$11.80</b>
526752	560290	10	1"	<b>\$13.30</b>




**Slotted Hex Head Washer Sheet Metal Screws**

**Hillman** Zinc plated. 100/pkg.

Stk.	Mfr.	Size	Length	Price
526741	70277	8	3/4"	<b>\$4.27</b>
526742	70280	8	1"	<b>\$4.81</b>
526743	70286	8	1-1/2"	<b>\$7.13</b>
526744	70292	10	1/2"	<b>\$4.57</b>
526745	70295	10	3/4"	<b>\$5.00</b>

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### Hex Washer Head Self Drilling Sheet Metal Screws

**Hillman** Zinc plated. 100/pkg.

Stk.	Mfr.	Size	Length	Price
<b>526753</b>	560332	10	1"	<b>\$13.30</b>
<b>526754</b>	560336	10	1-1/2"	<b>\$15.80</b>
<b>526756</b>	560358	12	1"	<b>\$17.30</b>
<b>526757</b>	560362	12	1-1/2"	<b>\$19.60</b>



### Sheet Metal Screw Assortment

**Hillman**

**Includes** oval head: #6 x 3/4" to #10 x 1-1/2" & oval head auto trim: #8 x 3/4" & 1".

Stk.	Mfr.	Item	Price
<b>514243</b>	124038	70-Piece	<b>\$3.81</b>



### Slotted Round Head Machine Screws

**Hillman** Zinc plated. 100/pkg.

Stk.	Mfr.	Size	Length	Price
<b>527895</b>	90120	6-32	3/8"	<b>\$2.76</b>
<b>527896</b>	90123	6-32	1/2"	<b>\$2.81</b>
<b>527897</b>	90129	6-32	3/4"	<b>\$2.92</b>
<b>527898</b>	90134	6-32	1"	<b>\$3.49</b>
<b>527899</b>	90137	6-32	1-1/4"	<b>\$3.60</b>
<b>527900</b>	90140	6-32	1-1/2"	<b>\$3.62</b>
<b>527901</b>	90146	6-32	2"	<b>\$4.68</b>
<b>527902</b>	90179	8-32	1/2"	<b>\$2.92</b>
<b>527903</b>	90185	8-32	3/4"	<b>\$3.49</b>
<b>527904</b>	90191	8-32	1"	<b>\$3.73</b>
<b>527906</b>	90197	8-32	1-1/2"	<b>\$4.68</b>
<b>527907</b>	90203	8-32	2"	<b>\$5.78</b>
<b>527910</b>	90293	10-32	1/2"	<b>\$3.30</b>
<b>527911</b>	90299	10-32	3/4"	<b>\$3.70</b>
<b>527912</b>	90305	10-32	1"	<b>\$4.24</b>
<b>527914</b>	90311	10-32	1-1/2"	<b>\$5.78</b>
<b>527915</b>	90317	10-32	2"	<b>\$7.08</b>
<b>527935</b>	90383	1/4-20	1/2"	<b>\$5.24</b>
<b>527936</b>	90389	1/4-20	3/4"	<b>\$6.11</b>
<b>527937</b>	90395	1/4-20	1"	<b>\$6.57</b>
<b>527938</b>	90398	1/4-20	1-1/4"	<b>\$7.32</b>
<b>527939</b>	90401	1/4-20	1-1/2"	<b>\$8.27</b>
<b>527940</b>	90407	1/4-20	2"	<b>\$11.10</b>



### Phillips Flat Head Machine Screws

**Hillman** Zinc plated.

Stk.	Mfr.	Size	Length	Qty./Box	Price
<b>527549</b>	101031	6-32	3/8"	100	<b>\$2.76</b>
<b>527550</b>	101033	6-32	1/2"	100	<b>\$2.81</b>
<b>527551</b>	101036	6-32	3/4"	100	<b>\$3.00</b>
<b>527552</b>	101038	6-32	1"	100	<b>\$3.78</b>
<b>527554</b>	101040	6-32	1-1/2"	100	<b>\$3.95</b>
<b>527556</b>	101053	8-32	1/2"	100	<b>\$3.49</b>
<b>527557</b>	101056	8-32	3/4"	100	<b>\$3.87</b>
<b>527558</b>	101058	8-32	1"	100	<b>\$4.38</b>
<b>527559</b>	101059	8-32	1-1/4"	100	<b>\$4.59</b>
<b>527562</b>	101098	10-32	1/2"	100	<b>\$3.87</b>
<b>527563</b>	101100	10-32	3/4"	100	<b>\$4.38</b>
<b>527564</b>	101102	10-32	1"	100	<b>\$4.86</b>
<b>526740</b>	101075	10-24	1/2"	100	<b>\$4.11</b>
<b>527570</b>	101079	10-24	1"	100	<b>\$4.41</b>
<b>527571</b>	101080	10-24	1-1/4"	100	<b>\$5.27</b>
<b>527572</b>	101081	10-24	1-1/2"	100	<b>\$5.94</b>
<b>527573</b>	101083	10-24	2"	100	<b>\$7.35</b>
<b>527582</b>	101137	1/4-20	3/4"	100	<b>\$6.97</b>
<b>527583</b>	101139	1/4-20	1"	100	<b>\$7.46</b>
<b>527584</b>	101140	1/4-20	1-1/4"	100	<b>\$7.89</b>
<b>527585</b>	101141	1/4-20	1-1/2"	100	<b>\$8.89</b>
<b>527586</b>	101143	1/4-20	2"	100	<b>\$12.00</b>



### Machine Screw Assortments

**Hillman**

**Round Head Combination Includes** (20) #6-32 x 3/4", (15) #8-32 x 1/2", (15) #8-32 x 1", (12) #10-24 x 3/4", (8) #10-24 x 1-1/4", (6) 1/4-20 x 3/4" & 1/4-20 x 1-1/2".

Stk.	Mfr.	Qty./Pkg.	Price
<b>514245</b>	124040	82	<b>\$3.81</b>

**2.2 lb. Assortment Includes** screws (6 -32 x 1/2", 3/4", 1"), (10-24 x 1/2" & 1"), (8-32 x 1"), hex nuts (6-32, 8-32, 10-24), flat & split lock washers (#6, #8, #10) & high speed cobalt drill bits (1/8", 5/32", 3/16", 7/32", 1/4").

Stk.	Mfr.	Qty./Pkg.	Price
<b>514281</b>	130281		<b>\$19.20</b>



### Electrician's Screw Assortment Kit

**Gardner Bender** Commonly used electrical machine screws. Slotted round-head screws for switches, receptacles & outlet applications. Zinc-plated steel.

**Includes** 8-32 round head screws 1/2", 3/4", 1", 1-1/4", 1-1/2" & 2".

Stk.	Mfr.	Qty./Pkg.	Price
<b>416826</b>	SK-832T	120	<b>\$8.26</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

*Installation Available  
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## ANCHORS



### Plastic Anchor Kits

**Hillman** Light duty anchors for mounting almost anything on masonry or hollow walls. Kits feature a tungsten carbide-tipped masonry drill bit.

**Phillips Pan Head 8-10 x 7/8" Includes** 100 anchors (8-10 x 7/8"), 100 Phillips pan head screws (8 x 1", steel/zinc) & 3/16" x 3" carbide masonry drill bit.

Stk.	Mfr.	Qty./Pkg.	Price
<b>526803</b>	373503	201	<b>\$12.30</b>

**Slotted Pan Head 8-10 x 7/8" Includes** 100 anchors (8-10 x 7/8"), 100 slotted pan head screws (8 x 1", steel/zinc) & 3/16" x 3" masonry drill bit.

Stk.	Mfr.	Qty./Pkg.	Price
<b>526800</b>	370350	201	<b>\$12.00</b>

**Slotted Pan Head 10-12 x 1" Includes** 100 anchors (10-12 x 1"), 100 slotted pan head screws (10 x 1", steel/zinc) & 1/4" x 4" masonry drill bit.

Stk.	Mfr.	Qty./Pkg.	Price
<b>526801</b>	370351	201	<b>\$12.00</b>

**Slotted Pan Head 14-16 x 1-3/8" Includes** 50 anchors (14-16 x 1-3/8"), 50 slotted pan head screws (14 x 1", steel/zinc) & 5/16" x 4" masonry drill bit.

Stk.	Mfr.	Qty./Pkg.	Price
<b>526802</b>	370353	101	<b>\$12.00</b>



### Tapper® Concrete Screw Anchors

**Hillman** Hex washer slotted or Phillips flat head tapper screw anchors with bit. Blue Perma-Seal™ coating. Also great with brick and hollow block. Building code approved. 1" min. embedment. 100/Box.

### Hex Washer Slotted

Stk.	Mfr.	Size	Max. Load @ 4000 psi	Price
<b>514310</b>	375288	3/16" x 2-1/4"	235 lbs.	<b>\$17.00</b>
<b>514280</b>	375294	1/4" x 1-3/4"	355 lbs.	<b>\$22.10</b>
<b>514311</b>	375295	1/4" x 2-1/4"	370 lbs.	<b>\$22.70</b>

### Flat Phillips

Stk.	Mfr.	Size	Max. Load @ 4000 psi	Price
<b>514312</b>	375302	3/16" x 2-1/4"	235 lbs.	<b>\$17.00</b>
<b>514313</b>	375309	1/4" x 2-1/4"	370 lbs.	<b>\$22.70</b>



### Tapper® 1000 Concrete Anchor Installation Tool

**Hillman** 2-step multipurpose tool for drilling/driving all sizes and styles of Tapper Concrete Screw Anchors. Fits standard hammer drill chuck.

**Includes** drill adapter, Phillips bit adapter, drive sleeve, 2 Phillips bits (#'s 2 & 3), 2 hex drivers (1/4" & 5/16"), hex key & molded case.

Stk.	Mfr.	Price
<b>514307</b>	375000	<b>\$65.80</b>

### Tapper® Drill Bits

**Hillman** Carbide-tipped bit drills into brick, concrete and hollow block for concrete anchor insertion

Stk.	Mfr.	Bit Size (dia. x L.)	For use w/Anchor Size (dia. x L.)	Price
<b>514309</b>	375224	3/16" x 4-1/2"	1/4" x 2-1/4" - 2-3/4"	<b>\$5.00</b>
<b>514308</b>	375221	5/32" x 4-1/2"	3/16" x 2-1/4" - 2-3/4"	<b>\$4.83</b>

## BOLTS



### Coarse Thread Hex Bolts

**Hillman** Low carbon. Zinc-plated Steel.

Stk.	Mfr.	Size	Length	Qty./Box	Price
<b>527655</b>	190003	1/4-20	1/2"	100	<b>\$5.11</b>
<b>527656</b>	190009	1/4-20	3/4"	100	<b>\$5.57</b>
<b>527658</b>	190015	1/4-20	1"	100	<b>\$6.05</b>
<b>527660</b>	190018	1/4-20	1-1/4"	100	<b>\$7.62</b>
<b>527661</b>	190021	1/4-20	1-1/2"	100	<b>\$8.64</b>
<b>527662</b>	190024	1/4-20	1-3/4"	100	<b>\$10.50</b>
<b>527663</b>	190027	1/4-20	2"	100	<b>\$10.70</b>
<b>527665</b>	190033	1/4-20	2-1/2"	100	<b>\$12.90</b>
<b>527667</b>	190039	1/4-20	3"	100	<b>\$14.50</b>
<b>527670</b>	190078	5/16-18	1/2"	100	<b>\$7.21</b>
<b>527671</b>	190084	5/16-18	3/4"	100	<b>\$8.64</b>
<b>527672</b>	190090	5/16-18	1"	100	<b>\$9.70</b>
<b>527673</b>	190093	5/16-18	1-1/4"	100	<b>\$11.00</b>
<b>527674</b>	190096	5/16-18	1-1/2"	100	<b>\$12.90</b>
<b>527676</b>	190102	5/16-18	2"	100	<b>\$15.10</b>
<b>527678</b>	190108	5/16-18	2-1/2"	100	<b>\$18.90</b>
<b>527680</b>	190114	5/16-18	3"	100	<b>\$19.40</b>
<b>527682</b>	190159	3/8-16	3/4"	100	<b>\$11.90</b>
<b>527683</b>	190165	3/8-16	1"	100	<b>\$13.90</b>
<b>527684</b>	190168	3/8-16	1-1/4"	100	<b>\$16.20</b>
<b>527685</b>	190171	3/8-16	1-1/2"	100	<b>\$18.70</b>
<b>527686</b>	190177	3/8-16	2"	100	<b>\$21.30</b>
<b>527688</b>	190183	3/8-16	2-1/2"	50	<b>\$13.70</b>
<b>527690</b>	190189	3/8-16	3"	50	<b>\$16.10</b>
<b>527691</b>	190195	3/8-16	3-1/2"	50	<b>\$18.30</b>
<b>527695</b>	190243	7/16-14	1"	100	<b>\$20.10</b>
<b>527697</b>	190249	7/16-14	1-1/2"	50	<b>\$14.50</b>
<b>527699</b>	190255	7/16-14	2"	50	<b>\$17.90</b>
<b>527705</b>	190294	1/2-13	1"	50	<b>\$14.60</b>
<b>527707</b>	190300	1/2-13	1-1/2"	50	<b>\$17.00</b>
<b>527709</b>	190306	1/2-13	2"	50	<b>\$18.20</b>
<b>527711</b>	190312	1/2-13	2-1/2"	50	<b>\$22.00</b>
<b>527713</b>	190318	1/2-13	3"	50	<b>\$25.10</b>



### Coarse Thread Carriage Bolts

**Hillman** Zinc-plated Steel. 100/pkg.

Stk.	Mfr.	Size	Length	Price
<b>527762</b>	240012	1/4-20	1"	<b>\$7.02</b>
<b>527763</b>	240015	1/4-20	1-1/4"	<b>\$7.80</b>
<b>527764</b>	240018	1/4-20	1-1/2"	<b>\$8.56</b>
<b>527765</b>	240021	1/4-20	1-3/4"	<b>\$9.78</b>
<b>527766</b>	240024	1/4-20	2"	<b>\$9.88</b>
<b>527768</b>	240030	1/4-20	2-1/2"	<b>\$12.50</b>
<b>527770</b>	240036	1/4-20	3"	<b>\$14.00</b>



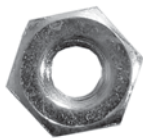
### Hanger Bolts

**Southern Screw** Hanger bolts only with fluted center.

Stk.	Mfr.	Finish	Size	Qty./Pkg.	Price
<b>834000</b>	HANGER	Dark Metal	5/16"-18 x 2-1/2"	12	<b>\$0.98</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

## NUTS



### Machine Screw Hex Nuts

**Hillman** Zinc-plated Steel.

Stk.	Mfr.	Size	Qty.	Price
<b>527600</b>	140009	4-40	100	<b>\$2.52</b>
<b>527602</b>	140012	5-40	100	<b>\$3.95</b>
<b>527604</b>	140015	6-32	100	<b>\$2.54</b>
<b>527606</b>	140018	8-32	100	<b>\$2.65</b>
<b>527608</b>	140024	10-32	100	<b>\$2.79</b>
<b>527610</b>	140021	10-24	100	<b>\$2.79</b>
<b>527612</b>	140027	12-24	100	<b>\$4.00</b>



### Fine Thread Hex Nuts

**Hillman** Zinc-plated steel.

Stk.	Mfr.	Size	Qty.	Price
<b>527870</b>	150048	1/4-28	100	<b>\$3.57</b>
<b>527872</b>	150051	5/16-24	100	<b>\$5.16</b>
<b>527874</b>	150054	3/8-24	100	<b>\$6.86</b>
<b>527876</b>	150057	7/16-20	50	<b>\$6.67</b>
<b>527878</b>	150060	1/2-20	50	<b>\$8.54</b>
<b>527880</b>	150066	5/8-18	25	<b>\$9.10</b>
<b>527882</b>	150069	3/4-16	20	<b>\$11.80</b>



### Coarse Thread Hex Nuts

**Hillman** Zinc-plated Steel.

Stk.	Mfr.	Size	Qty.	Price
<b>527850</b>	150003	1/4-20	100	<b>\$2.46</b>
<b>527852</b>	150006	5/16-18	100	<b>\$3.81</b>
<b>527854</b>	150009	3/8-16	100	<b>\$5.46</b>
<b>527856</b>	150012	7/16-14	50	<b>\$5.22</b>
<b>527858</b>	150015	1/2-13	50	<b>\$6.46</b>
<b>527860</b>	150021	5/8-11	25	<b>\$6.54</b>
<b>527862</b>	150024	3/4-10	20	<b>\$8.54</b>

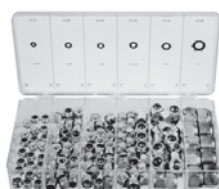


### Hex Nut & Washer Assortment

**Hillman** Zinc plated steel.

**Includes** SAE flat washers (#8, #10, 1/4") & coarse head hex nuts (8-32, 10-24, 1/4"-20).

Stk.	Mfr.	Qty./Pkg.	Price
<b>523995</b>	41818	180 (approx.)	<b>\$3.35</b>



### Locknut Assortment

**Fastener Barn** Nylon insert locknuts

**Includes** (25) 10-24 coarse thread, (35) 1/4-20 coarse thread, (25) 1/4-28 fine thread, (30) 5/16-18 coarse thread, (25) 3/8-16 coarse thread, (10) 1/2-13 coarse thread & case.

Stk.	Mfr.	Qty./Pkg.	Price
<b>485520</b>	LN99	150	<b>\$40.00</b>



### Steel Wing Nuts

**Hillman** Type A wing nuts. Cold forged, zinc-plated steel

Stk.	Mfr.	Size	Qty.	Price
<b>527620</b>	180243	10-24	100	<b>\$13.40</b>
<b>527622</b>	180249	1/4-20	100	<b>\$15.20</b>
<b>527624</b>	180252	5/16-18	100	<b>\$20.30</b>
<b>527626</b>	180255	3/8-16	100	<b>\$27.20</b>



### Wing Nut Assortment

**Fastener Barn** Cadmium plated, forged steel.

**Includes** (30) 10-24 (3/16") dia. coarse thread, (30) 10-32 (3/16") dia. fine thread, (25) 1/4-20 dia. coarse thread, (25) 1/4-28 dia. fine thread, (20) 5/16-18 dia. coarse thread, (20) 5/16-24 dia. fine thread & plastic storage case.

Stk.	Mfr.	Qty./Pkg.	Price
<b>485550</b>	WN99	150	<b>\$30.00</b>



### Tee Nuts

**Hillman** Strong, easy-to-fix economical anchor for wood and fiberboard. Insert into predrilled hole and hammer into place. Pronged nut is self-locking to prevent rotation. Zinc

Stk.	Mfr.	Thread Size	Qty.	Price
<b>514314</b>	180288	6-32	100	<b>\$9.75</b>
<b>514315</b>	180291	8-32	100	<b>\$9.88</b>
<b>514316</b>	180294	10-24	100	<b>\$8.61</b>
<b>514317</b>	180295	10-32	100	<b>\$9.99</b>
<b>514318</b>	180297	1/4-20	100	<b>\$9.40</b>
<b>514319</b>	180300	5/16-18	100	<b>\$12.30</b>
<b>514320</b>	180303	3/8-16	100	<b>\$20.30</b>

## WASHERS



### Countersunk Finishing Washers

**Hillman** Nickel Plated Steel.

Stk.	Mfr.	Size	Qty.	Price
<b>942400</b>	310167	#6	100	<b>\$3.33</b>
<b>942403</b>	310170	#8	100	<b>\$3.65</b>
<b>942406</b>	310173	#10	100	<b>\$4.59</b>



### Flat Washers

**Hillman** SAE flat washers. Steel.

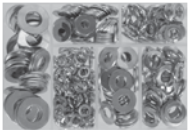
Stk.	Mfr.	Size	Qty.	Price
<b>527630</b>	280056	1/4"	100	<b>\$2.81</b>
<b>527631</b>	280058	5/16"	100	<b>\$3.16</b>
<b>527632</b>	280060	3/8"	100	<b>\$4.19</b>
<b>527634</b>	280062	7/16"	50	<b>\$3.16</b>
<b>527636</b>	280064	1/2"	50	<b>\$5.40</b>

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**Split Lock Washers**  
**Hillman** Hardened steel.

Stk.	Mfr.	Size	Qty.	Price
527640	300018	1/4"	100	\$2.33
527641	300021	5/16"	100	\$2.87
527642	300024	3/8"	100	\$3.70
527638	300027	7/16"	50	\$2.87
527646	300030	1/2"	50	\$3.81
527639	300036	5/8"	25	\$3.54
527647	300039	3/4"	20	\$4.30



**Flat & Lock Washer Assortment**  
**Hillman** Assortment of flat and lock washers.  
**Includes** SAE flat washers (#10, 1/4", 5/16", 3/8") & split lock washers (#10, 1/4", 5/16", 3/8").

Stk.	Mfr.	Price
514284	130208	\$5.94

**NAILS, PINS & BRADS**



**Flat Head Wire Nails**

Stk.	Mfr.	Size	Length	Qty./Box	Price
<b>Great Northern</b>					
941670	TN-31700-1LB	16	3/4"	1 lb.	\$11.90
941735	TN-32200-1LB	16	7/8"	1 lb.	\$11.90
941737	TN-32700-1LB	16	1"	1 lb.	\$11.90
941804	TN-33700-1LB	16	1-1/4"	1 lb.	\$11.40
941871	TN-34700-1LB	16	1-1/2"	1 lb.	\$11.40
941938	TN-25200-1LB	17	3/4"	1 lb.	\$11.90
942005	TN-26200-1LB	17	1"	1 lb.	\$11.90
942010	TN-27200-1LB	17	1-1/4"	1 lb.	\$11.40
942015	TN-28200-1LB	17	1-1/2"	1 lb.	\$11.40
942060	TN-18700-1LB	18	1/2"	1 lb.	\$12.90
942065	TN-19200-1LB	18	5/8"	1 lb.	\$12.90
942072	TN-19700-1LB	18	3/4"	1 lb.	\$12.90
942137	TN-20200-1LB	18	7/8"	1 lb.	\$12.90
942139	TN-20700-1LB	18	1"	1 lb.	\$12.90
942145	TN-21700-1LB	18	1-1/4"	1 lb.	\$11.70
942150	TN-22700-1LB	18	1-1/2"	1 lb.	\$11.70
<b>Hillman</b>					
514368	122546	16	3/4"	2 oz.	\$1.29
514372	122552	16	1"	2 oz.	\$1.29
514375	122555	16	1-1/4"	1.75 oz.	\$1.29
514377	122558	16	1-1/2"	1.75 oz.	\$1.29
514369	122547	17	3/4"	2 oz.	\$1.29
514373	122553	17	1"	2 oz.	\$1.29
514376	122556	17	1-1/4"	1.75 oz.	\$1.29
514366	122542	18	1/2"	1.75 oz.	\$1.29
514367	122544	18	5/8"	2 oz.	\$1.29
514370	122548	18	3/4"	2 oz.	\$1.29
514371	122550	18	7/8"	2 oz.	\$1.29
514374	122554	18	1"	2 oz.	\$1.29

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**Finishing Nails**

**National** Bright finish, smooth shank with broad head for countersinking. Ideal for finely finished woodwork.

Stk.	Mfr.	Size	Length	Qty./Box	Price
492477	3D	3D	1-1/4"	1 lb.	\$4.12
492479	4D	4D	1-1/2"	1 lb.	\$3.87
492480	4D	4D	1-1/2"	5 lb.	\$18.10
492483	6D	6D	2"	1 lb.	\$3.87
492484	6D	6D	2"	5 lb.	\$19.90
492489	10D	10D	3"	5 lb.	\$19.90



**Common Nails**

**National** Bright finish, smooth shank, flat head and diamond point. Ideal for construction, carpentry and trimming. Larger shank provides greater resistance to bending. 5 lb. box.

Stk.	Mfr.	Size	Length	Price
492400	6D	6D	2"	\$19.60
492404	8D	8D	2-1/2"	\$14.80
492408	10D	10D	3"	\$16.10
492412	12D	12D	3-1/4"	\$19.70
492418	16D	16D	3-1/2"	\$13.80
492425	20D	20D	4"	\$17.60



**Wire Brads**

Stk.	Mfr.	Size	Length	Qty./Box	Price
<b>Great Northern</b>					
941000	TB-31700-1LB	16	3/4"	1 lb.	\$11.90
941076	TB-32200-1LB	16	7/8"	1 lb.	\$11.90
941067	TB-32700-1LB	16	1"	1 lb.	\$11.90
941134	TB-33700-1LB	16	1-1/4"	1 lb.	\$11.40
941201	TB-34700-1LB	16	1-1/2"	1 lb.	\$11.40
941205	TB-36700-1LB	16	2"	1 lb.	\$11.40
941268	TB-25200-1LB	17	3/4"	1 lb.	\$11.90
941335	TB-26200-1LB	17	1"	1 lb.	\$11.90
941340	TB-27200-1LB	17	1-1/4"	1 lb.	\$11.40
941345	TB-28200-1LB	17	1-1/2"	1 lb.	\$11.40
941390	TB-18700-1LB	18	1/2"	1 lb.	\$12.90
941402	TB-19700-1LB	18	3/4"	1 lb.	\$12.90
941410	TB-20200-1LB	18	7/8"	1 lb.	\$12.90
941469	TB-20700-1LB	18	1"	1 lb.	\$12.90
941474	TB-21700-1LB	18	1-1/4"	1 lb.	\$11.70
941479	TB-22700-1LB	18	1-1/2"	1 lb.	\$11.70
941536	TB-15200-1LB	19	1/2"	1 lb.	\$14.40
941603	TB-15700-1LB	19	5/8"	1 lb.	\$14.00
941610	TB-16200-1LB	19	3/4"	1 lb.	\$14.00
941615	TB-17200-1LB	19	1"	1 lb.	\$14.00
941623	TB-11700-1LB	20	1/2"	1 lb.	\$15.00
941624	TB-12200-1LB	20	5/8"	1 lb.	\$14.40
941625	TB-12700-1LB	20	3/4"	1 lb.	\$14.00
941632	TB-13700-1LB	20	1"	1 lb.	\$14.00
<b>Hillman</b>					
514354	122504	16	3/4"	2 oz.	\$1.29
514358	122509	16	1"	2 oz.	\$1.29
514361	122513	16	1-1/4"	2 oz.	\$1.29
514364	122516	16	1-1/2"	1.75 oz.	\$1.29
514355	122505	17	3/4"	1.75 oz.	\$1.29
514359	122510	17	1"	2 oz.	\$1.29
514362	122514	17	1-1/4"	2 oz.	\$1.29
514365	122517	17	1-1/2"	1.75 oz.	\$1.29
514356	122506	18	3/4"	2 oz.	\$1.29
514357	122508	18	7/8"	2 oz.	\$1.29
514360	122511	18	1"	2 oz.	\$1.29
514363	122515	18	1-1/4"	2 oz.	\$1.29
514350	122500	19	1/2"	1.75 oz.	\$1.29
514353	122503	19	5/8"	2 oz.	\$1.29
514351	122501	20	1/2"	1.75 oz.	\$1.29



### Nail & Brad Assortment

**Hillman** 7 sizes of assorted brads and nails. Zinc plated.  
**Includes** plastic case.

Stk.	Mfr.	Qty.	Price
523996	41826	7 oz.	\$3.57



### Brass-plated Escutcheon Pins

**Hillman** Brass-plated hobby nails.

Stk.	Mfr.	Size	Length	Qty./Box	Price
514384	122624	14	3/4"	1.5 oz.	\$1.23
514380	122620	16	3/4"	1.5 oz.	\$1.23
514383	122623	16	1"	1.5 oz.	\$1.23
514378	122618	18	1/2"	1.5 oz.	\$1.23
514379	122619	18	5/8"	1.5 oz.	\$1.23
514382	122622	18	3/4"	1.5 oz.	\$1.23
514381	122621	18	1"	1.5 oz.	\$1.23



### Cotter Pin Assortment

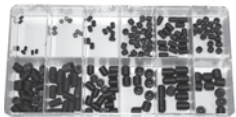
**Fastener Barn 555-Piece** Electro galvanized pins with extended prong, popular diameters and extra long lengths for all applications. **Includes** (150) 1/16"D x 1"L, (150) 3/32"D x 1"L, (100) 3/32"D x 1-3/4"L, (75) 1/8"D x 1-1/2"L, (50) 1/8"D x 2", (30) 5/32"D x 2-1/2"L & plastic storage case.

Stk.	Mfr.	Price
485506	CP99	\$28.00

**Hillman 160-Piece** Zinc-plated steel pins. **Includes** 1/16" x 3/4" to 3/32" x 1-1/4" & plastic reusable holder.

Stk.	Mfr.	Price
523998	41857	\$3.35

## HARDWARE & FASTENER ASSORTMENTS



### Allen Head Screw Assortment

**Fastener Barn** Alloy steel cup point screws.

**Includes** plastic case and screws: fine thread: (20) 1/4-28 dia. x 1/4"L, (20) 5/16-24 dia. x 3/8"L, (10) 3/8-24 dia. x 3/8"L & coarse thread:

(10) #5-40 dia. x 3/16"L, (10) #8-32 dia. x 3/16"L, (10) #10-24 dia. x 1/4"L, (30) 1/4-20 dia. x 1/4"L, (20) 1/4-20 dia. x 3/8"L, (30) 5/16-18 dia. x 3/8"L, (20) 5/16-18 dia. x 1/2"L, (10) 3/8-16 dia. x 3/8"L, (10) 3/8-16 dia. x 1/2"L

Stk.	Mfr.	Qty./Pkg.	Price
485500	AS99	200	\$37.80



### Roll Pin Assortment

**Fastener Barn** Replaces majority of pin requirements. Carbon steel pins, plain finish.

**Includes** plastic case, plus pins: 10 ea. (5/32" dia.) 5/8", 1" & 1-1/2", 10 ea. (5/64" dia.) 1/4", 1/2" & 1", 10 ea. (1/16" dia.) 3/16", 3/4" & 5/16", 10 ea. (3/32" dia.) 5/8", 1" & 1-1/4", 15 ea. (1/8" dia.) 5/8", 1" & 1-1/4", 10 ea. (1/4" dia.) 5/8", 1-1/4" & 1-3/4", 10 ea. (5/16" dia.) 3/4", 1-1/2" & 2", 5 ea. (3/8" dia.) 3/4", 1-1/2" & 2", 10 ea. (7/32" dia.) 5/8", 1-1/4" & 1-3/4" & 15 ea. (3/16" dia.) 5/8", 1" & 1-1/4".

Stk.	Mfr.	Qty./Pkg.	Price
485530	RP99	315	\$40.00



### Snap Ring Assortment

**Fastener Barn** High quality carbon spring steel.

**Includes** plastic case, plus rings: (30) 1/4" (.250 dia.), (20) 5/16" (.312 dia.), (50) 3/8" (.375 dia.), (20) 7/16" (.438 dia.), (50) 1/2" (.500 dia.), (20) 9/16" (.562 dia.), (30) 5/8" (.625 dia.), (35) 3/4" (.750 dia.), (10) 13/16" (.812 dia.), (20) 7/8" (.875 dia.), (10) 1" (1.000 dia.), (5) 1-1/4" (1.250 dia.).

Stk.	Mfr.	Qty./Pkg.	Price
485542	SR99	300	\$40.00



### Woodruff Key Assortment

**Fastener Barn** Carbon steel, standard half-moon keys.

**Includes** plastic case, plus keys: 40 ea. of 3/8": (10) 1/6", (15) 3/32", (15) 1/8", 95 ea. of 5/8": (10) 3/32", (30) 1/8", (50) 5/32", (5) 3/16", 55 ea. of 3/4": (20) 1/8", (10) 3/4", (20) 3/16", (5) 1/4", 20 ea. of 7/8": (5) 5/32", (5) 3/16", (5) 7/32", (5) 1/4".

Stk.	Mfr.	Qty./Pkg.	Price
485555	WK99	250	\$50.00



### Square Key Assortment

**Fastener Barn** Carbon steel keys with square ends. All 1-1/2"L.

**Includes** plastic case plus, (15) 1/8" x 1/8", (15) 3/16" x 3/16", (10) 1/4" x 1/4", (10) 5/16" x 5/16", (5) 3/8" x 3/8", (5) 1/2" x 1/2".

Stk.	Mfr.	Qty./Pkg.	Price
485538	SK99	60	\$45.00



### Shop Assortment

**Fastener Barn**

**Includes** plastic case plus:

- woodruff keys (25) 3/32" x 3/8", (25) 3/32" x 1/2", (25) 1/8" x 1/2", (40) 1/8" x 5/8", (50) 5/32" x 5/8", (25) 3/16" x 3/4"
- roll pins (20) 1/8" dia. x 5/8"L, (20) 1/8" dia. x 1"L, (20) 5/32" dia. x 5/8"L, (20) 5/32" dia. x 1"L, (20) 3/16" dia. x 1"L
- snap rings (25) 3/8" dia., (25) 1/2" dia., (25) 5/8" dia., (25) 3/4" dia.
- "E" Clips (25) 1/4" dia., (25) 3/8" dia.

Stk.	Mfr.	Qty./Pkg.	Price
485535	SA99	460	\$60.00

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.

## LADDERS & STEP STOOLS



967615 967650 967730

### Extra Heavy-duty Type IA

**Werner** 300 lb. rated ladders have Tool-Tra-Top® w/drill holster & convenient tray, double-ribbed slip-resistant Traction-Tred® steps, full set of rear horizontals spaced 1' apart, braces on top & bottom steps & horizontals.

**Aluminum** Sturdy Spill-Proof® pail shelf with rag rack holds gallon paint can. I-hand carry and close "H" spreader with handgrip. Heavy-duty aluminum bracket with slip-resistant footpad.

Stk.	Mfr.	Size	Platform	Width	Spread	Weight	Price
967615	374	4'		19-1/2"	29-1/2"	11 lbs.	\$188.00
967616	375	5'		21-1/4"	35-3/4"	13 lbs.	\$217.00
967617	376	6'		23"	41-7/8"	15.5 lbs.	\$226.00
967619	378	8'		26-1/2"	54-1/4"	22.5 lbs.	\$374.00
967600	310	10'		30"	66-1/2"	31 lbs.	\$493.00

**Fiberglass** Orange electrically non-conductive side rails. 4 rivets attach top to front rails. Rivets are backed by a metal part or washer to protect rails. Back-up plates reinforce top connectors. Shoulder bolt & nut on top hinge. Paint can hang on backside of top. Heavy-duty internal spreaders. Edge® molded brace and footpad combination.

967650	6204	4'		19-7/8"	29"	16 lbs.	\$166.00
967651	6205	5'		21-5/8"	35-1/8"	19 lbs.	\$186.00
967652	6206	6'		23-3/8"	41-1/4"	22 lbs.	\$206.00
967654	6208	8'		26-7/8"	53-5/8"	30 lbs.	\$337.00

**Fiberglass Platform Ladders** Orange electrically non-conductive side rails. Back-up plates reinforce all top connectors. Large, secure & comfortable work platform. Safety guardrail encourages proper ladder use. Every rivet backed up by metal part or washer to protect rails. Edge® molded brace and footpad combination.

967730	P6204	6'	4'	26-7/8"	42"	24 lbs.	\$349.00
967731	P6206	8'	6'	30-3/8"	54-3/4"	32 lbs.	\$440.00
967732	P6208	10'	8'	33-7/8"	66-5/8"	44 lbs.	\$570.00
967733	P6210	12'	10'	37-1/2"	79"	55 lbs.	\$634.00

967600 & 967619|Equipped w/Pinch-Proof™ spreaders.  
967731 & 967732|Equipped w/additional bracing.



967700 967720

### Extra Heavy-duty Type IA w/Flat D Rung

**Werner** 300 lb. rated ladders with extra heavy-duty I-beam rails. Alflo® rung joint for Twist-Proof® performance. Slip-resistant Traction-Tred® D-rungs. Rugged, smooth-operating spring-loaded locks. Mar-resistant end caps.

**Aluminum** Smooth operating pulley is enclosed for protection. Base and fly separate easily for use as extension or 2 single sections. Thick guide bracket engages full fly rail. Shu-Lok® rugged shoe rests flat or is held in spur position. Durable guide brackets provide smooth operation of fly section.

Stk.	Mfr.	Size	Working Length	Weight	Price
967700	D1516-2	16'	13'	31 lbs.	\$528.00
967701	D1520-2	20'	17'	37 lbs.	\$587.00
967702	D1524-2	24'	21'	45 lbs.	\$714.00

**Fiberglass** Heavy-duty pulley with rope, clamp ties rope to rung. Base and fly separate easily to use base section as single ladder. Durable rail shield bracket and Shu-Lok® slip-resistant pad and spur plate. External guides at top of base section securely interlock rails. Pierced holes at top of rails for easy-field installation of accessories. Direct rung-to-rail connections. Interlocking side rails. Molded rung braces. Internal glides on bottom of fly section securely interlock rails.

967720	D6216-2	16'	13'	37 lbs.	\$430.00
967721	D6220-2	20'	17'	45 lbs.	\$493.00
967722	D6224-2	24'	21'	52.5 lbs.	\$572.00

967700 & 967720|Not equipped w/rope & pulley.



### Folding Step Stools

**Midwest** For the shop or classroom. Stable polypropylene stool quickly folds for storage. 300 lb. capacity. USA.

Stk.	Mfr.	Color	Size	Price
279415	101-6W	White	10"W X 9"D x 9"H.	\$15.90
279419	101-6BK	Black	10"W X 9"D x 9"H.	\$15.90

## VACUUMS



### Pneumatic Vacuum Cleaner

**Ace Industrial** Powerful handheld vacuum converts compressed air vacuum via Venturi principle. No electrical connections makes unit safe to use in wet locations.

- Operates on standard compressed air lines at 60-150 psi
- Lightweight all-aluminum body
- Trigger handle is ergonomically designed for comfort & ease of use
- Nozzle design facilitates pickup of large & irregular shaped objects
- Zippered collection bag
- 2-yr. mfr.'s warranty

Weight 2 lbs.

Includes gun, bag & 5" slot nozzle.

Stk.	Mfr.	Price
199310	80-201MD	\$138.00



### Micro™ Vacuum

**Shop-Vac** Quiet, compact, lightweight vacuum stands up to tough dirt. Use for quick wet and dry pick up jobs in workshop or classroom. Features plastic tank, easy-carry handle and 1-1/4" accessories. 2-yr. mfr.'s warranty.

Sealed pressure 44". Air flow 95 cfm. Capacity 1 Gal. (0.25 wet/0.75 dry). Size 10"W x 8-7/8"D x 15-1/4"H. Weight 6 lbs.

Includes 6' cord, 1-1/4" x 4' hose, gulper nozzle, crevice tool, 2 filters (disposable bag & foam sleeve), wall bracket w/tool holder.

Stk.	Mfr.	Volts	Amps	HP	Price
774025	202-10-00	120	6	1	\$55.00



### Shop-Sweep® Industrial Indoor/Outdoor Vacuum

**Shop-Vac** Quick, easy cleaning of small to medium areas indoors or out. Heavy-duty nylon impeller mulches as it cleans. 2 height settings for work or machine shop and for overall building maintenance. 8 gal. bag with easy to empty filter/collection bag. Built-in kick stand. Double insulation. Safety switch.

Air flow 300 cfm. Size 19-1/2"W x 39-1/2"D x 36" H. Weight 19 lbs.

Requires extension cord, sold separately.

Stk.	Mfr.	Volts	Amps	HP	Price
774040	405-00-10	120	6	1.25	\$218.00



### 5 Gallon Wall Mount™ Wet/Dry Vacuum

**Shop-Vac** Centralized cleaning for work shop or anywhere a hands-free vacuum center is desired. Space saving design. 3-yr. mfr.'s warranty.

Sealed pressure 55". Air flow 145 cfm. Capacity 5 Gal. Weight 16 lbs. (shipping).

Includes 1-1/4" dia. x 18' hose, 3 extension wands, 10" wet/dry nozzle, gulper nozzle, crevice tool, round brush, tool holder, wall bracket, cartridge filter, foam sleeve, disposable filter bag & 6' cord.

Stk.	Mfr.	Volts	Amps	HP	Price
776000	394-20-00	120	8.9	4.5	\$148.00





**8.4 Gallon Turbo II Wet/Dry Vacuum**

**Fein** Powerful wet and dry vacuum cleaner for connecting to power tools during workshop and installation use. Autostart outlet with power-on delay to prevent current spikes. Large range due to 16' power cord and 16' vacuum hose. Large wheels rotate 360° for optimal maneuverability.

Sealed pressure 98.4". Air flow 151 CFM. Capacity 8.4 gal. dry / 6.9 gal. wet. Size 17.3"L x 14.9"W x 22.4"H. Weight 20.1 lbs.

**Includes** 1-1/4" hose, tool coupling w/suction control, filter bag & filter.

Stk.	Mfr.	Volts	Amps	Price
<b>411596</b>	9-20-28	120	9	<b>\$512.00</b>



**Stainless Steel Wet/Dry Vacuum**

**Shop-Vac** High performance 4.5 HP vacuums have steel tanks and rust-resistant epoxy phenolic-coated interiors. Heavy-duty plastic tools in 1-1/4" and 2-1/2" sizes. Full caster dolly.

Sealed pressure 62". Air flow 170 cfm.

**Includes** 2 hoses (1-1/4" x 7' & 2-1/2" x 6'), 2 extension wands, 8" utility nozzle, 12" floor nozzle w/brush & squeegee inserts, crevice tool, round brush, gulper nozzle, foam sleeve & cartridge filter.

**10 Gallon** Size 17"W x 17"D x 26.2"H. Weight 25 lbs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>774091</b>	600-02-10	120	9	4.5	<b>\$252.00</b>

**6 Gallon** Size 17"W x 17"D x 24"H. Weight 20 lbs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>774090</b>	600-01-10	120	9	4.5	<b>\$213.00</b>



**10 Gallon Industrial Single Stage Wet/Dry Vacuum**

**Shop-Vac** Industrial single-stage, 6.5 HP vacuum has a stainless steel tank. Features full caster dolly with 8" rear wheels, transport handle and onboard tool storage basket.

Sealed pressure 66". Airflow 185 CFM.

Size 16-3/4" x 16-3/4" x 32". Weight 32 lbs. (shipping).

**Includes** 1-1/4" x 8' LockOn® hose, 2 metal extension wands, 10" wet/dry nozzle, dual surface selector nozzle, crevice tool, round brush, cartridge filter & high efficiency collection filter bag.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>776433</b>	925-60-10	120	9.7	6.5	<b>\$374.00</b>



**12 Gallon Wet/Dry Vacuum**

**Ridgid** Powerful high performance wet/dry vacuum handles tough cleanup jobs. Large carry handle provides power cord storage, plus onboard accessory storage for easy access. 360° casters for maneuverability. Rugged polypropylene construction with large built-in drain at

lowest point of drum. Ultra-flexible, locking hose won't loosen during use, smooth interior surface reduces clogging. Use as blower to clear debris from shop and job sites. Qwik Lock® system makes filter changes quick without tools.

Airflow 103 cfm. Capacity 12 gal. dry/wet. Size 19.5"L x 21.5"W x 26"H. Weight 18.28 lbs.

**Includes** two 2-1/2" extension wands, 1-7/8" x 8' premium locking hose, 3 nozzles (utility, wet & car), 15' cord, standard filter cartridge & manual.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>692575</b>	50323	120	10	5	<b>\$151.00</b>



**12 Gallon On Demand™ Wet/Dry Vacuum**

**Shop-Vac** Quiet operation motor, tool basket and tank drain, plus a convenient On Demand feature. This feature automatically turns on and off as you turn your power tool on and off, helping to keep your workspace clean.

Sealed pressure 60". Airflow 175 cfm.

Size 29.2" x 18" x 17". Weight 35 lbs.

**Includes** 1-1/4" x 12' Lock-On hose, 2 extension wands, 10" wet/dry nozzle, crevice tool, round brush, gulper nozzle, dual surface selector nozzle, tool adapter, cartridge filter & high-quality collection filter bag.

Stk.	Mfr.	Volts	Amps	Price
<b>776445</b>	954-12-10	120	12	<b>\$420.00</b>



**12 Gallon Industrial Multi-Purpose Wet/Dry Vacuum**

**Shop-Vac** 2-stage 2.5 HP peak wet/dry vacuum with lightweight poly tank, heavy-duty casters, tool basket, caddy and tank drain.

Sealed Pressure 90". Air Flow 100 CFM. Capacity 11 gal. dry, 10 gal. wet. 1-1/4" & 2-1/2" dia. accessories.

**Includes** 1-1/4" dia. accessories (7' Lock-on hose, 2 extension wands, 12" floor nozzle w/brush & squeegee inserts, crevice tool, round brush, gulper nozzle), 2-1/2" dia. accessories (6' Lock-on hose, 2 extension wands, 8" utility nozzle), foam sleeve, disposable filter bag, ultra web cartridge filter & 35' cord.

Stk.	Mfr.	Volts	Amps	Price
<b>776443</b>	962-38-10	120	9.5	<b>\$366.00</b>



**14 Gallon Wet/Dry Vacuum w/Cart**

**Ridgid** Industrial strength wet/dry vacuum and cart delivers 6.0 peak HP. Sturdy cart features large rear wheels, accessory storage bag and carry handle with power cord storage. Scroll Noise Reduction® provides quiet operation by precisely controlling air flow. 2-piece polypropylene construction with a large built-in drain at the lowest

point of the drum. Ultra-flexible locking hose won't loosen during use, smooth interior surface reduces clogging. Use as a blower to clear debris from shop and job sites. Qwik Lock® system makes filter changes quick without tools.

Airflow 143 cfm. Capacity 14 gal. dry/wet.

Size 19.75"L x 19.75"W x 25.75"H. Weight 28.5 lbs.

**Includes** two 2-1/2" extension wands, 1-7/8" x 8' premium locking hose, 4 nozzles (utility, wet, crevice & car), 20' cord & fine dust filter cartridge.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>692576</b>	50348	120	11	6	<b>\$225.00</b>



**16 Gallon Stainless Steel Wet/Dry Vacuum**

**Ridgid** Stainless steel wet/dry vacuum is designed to deliver the powerful suction, large capacity, rugged construction, and excellent mobility for professional, contractor and industrial use. Scroll Noise Reduction® provides quiet operation by precisely controlling air flow. Stainless steel drum construction with large built-in drain at lowest point

of drum. Ultra-flexible locking hose won't loosen during use, smooth interior surface reduces clogging. Use as blower to clear debris from shop and job sites. Qwik Lock® system makes filter changes quick without tools.

Airflow 187 cfm. Capacity 16 gal. dry/wet. Size 19.8"L x 19.8"W x 28.5"H. Weight 40 lbs.

**Includes** two 2-1/2" extension wands, 1-7/8" x 8' premium locking hose, 4 nozzles (utility, wet, crevice & car), 20' cord & fine dust filter cartridge.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>692577</b>	50353	120	12	6.5	<b>\$300.00</b>



### Industrial Heavy-Duty Series Wet/Dry Vacuum

**Shop-Vac** 2-stage industrial wet/dry vacuum built to clean up heavy-duty messes. Stainless steel tank, extra large wheels and lock-on positive hose connection system. Blower feature and onboard accessory storage. 1-1/2" dia. accessories.

Sealed pressure 105". Air Flow 109 CFM.

**Includes** 1-1/2" dia. x 12' lock-on hose, 2 interlocking metal extension wands, 14" deluxe master nozzle w/rug, brush & squeegee inserts, plastic storage basket, crevice tool, round brush, 6" utility nozzle, foam sleeve, high-quality collection bag, full polyester filter & Cleanstream® abrasive resistant cartridge filter.

**10 Gallon** Capacity 9 gal. dry, 8 gal. wet.  
Size 17-1/4" x 17-1/4" x 34". Weight 51 lbs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>776651</b>	970-02-10	120	11	3	<b>\$768.00</b>

**20 Gallon** Capacity 17.25 gal. dry, 18.25 gal. wet.  
Size 18-3/4" x 18-3/4" x 40". Weight 62 lbs.

<b>776653</b>	970-04-10	120	11	3	<b>\$897.00</b>
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### Industrial Series Wet/Dry Vacuum

**Shop-Vac** Economical commercial vacs with tough, lightweight poly tanks with drain. The quiet motor features an easy-reach switch. Top and side handles. Easy-roll, anti-tip caster system. On-board tool and cord storage.

**Includes** 1-1/2" dia. x 12' lock-on hose, 18' cord, adapter, 2 extension wands, claw utility nozzle, 14" floor nozzle, crevice tool, high-efficiency drywall disposable filter bag & ultra-web cartridge filter.

**10 Gallon** Sealed pressure 59". Air flow 173 cfm.  
Size 18-1/2"W x 18"D x 22"H. Weight 22 lbs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>776455</b>	962-50-10	120	9.6	4	<b>\$145.00</b>

**12 Gallon** Sealed pressure 59". Air flow 190 cfm.  
Size 18-1/2"W x 16-3/4"D x 22-1/2"H. Weight 27 lbs.

<b>776456</b>	962-51-10	120	11.3	5	<b>\$162.00</b>
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**16 Gallon** Sealed pressure 60". Air flow 190 cfm.  
Size 21-1/2"W x 20-3/4"D x 23-1/2"H. Weight 32 lbs.

<b>776457</b>	962-52-10	120	11.9	6.25	<b>\$176.00</b>
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**18 Gallon** Sealed pressure 60". Air flow 195 cfm.  
Size 20-1/2"W x 24-3/4"D x 24"H. Weight 33 lbs.

<b>776458</b>	962-53-10	120	12	6.5	<b>\$191.00</b>
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**22 Gallon** Sealed pressure 60". Air flow 195 cfm.  
Size 21"W x 25"D x 27-3/4"H. Weight 35 lbs.

<b>776459</b>	962-54-10	120	12	6.5	<b>\$217.00</b>
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### Industrial Super Quiet Wet/Dry Vacuum

**Shop-Vac** Industrial 6.5 HP wet/dry vacs are 50% quieter than the standard Shop-Vac wet/dry vacuums. Lightweight poly tank with drain.

Sealed pressure 66". Air flow 185 cfm.

**Includes** 1-1/4" x 8' lock-on hose w/hand-grip & airflow control, 18' cord, 2 metal extension wands, 10" combination wet/dry nozzle w/positive-lock, dual surface selector nozzle, crevice tool, round brush, gulper nozzle, tool basket, cartridge filter & high-quality collection filter bag.

**8 Gallon** Capacity 7 Gal. Dry/ 6 Gal. Wet.  
Size 15-3/8"W x 18"D x 23"H. Weight 25 lbs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>776410</b>	925-28-10	120	9.7	6.5	<b>\$231.00</b>

**10 Gallon** Capacity 9 Gal. Dry/ 8 Gal. Wet.  
Size 19-1/4"W x 19-1/4"D x 21-1/4"H. Weight 24 lbs.

<b>776411</b>	925-29-10	120	9.7	6.5	<b>\$282.00</b>
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### 55 Gallon Industrial Heavy-duty Wet/Dry Vacuum

**Shop-Vac** Industrial, 2-stage, 3 HP vacuum has a steel tank with epoxy phenolic rust resistant interior coating.

Sealed pressure 105". Air flow 109 cfm.

Capacity 55 Gal. Dry / 49.25 Gal. Wet.

Size 24"W x 24"D x 41"H. Weight 82 lbs.

**Includes** 1-1/2" x 35' cord, 12' crush-proof hose w/right angle connector, 6" metal nozzle, steel band dolly & UltraWeb® cartridge filter.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>776654</b>	970-05-10	120	11	3	<b>\$906.00</b>

### Vacuum Extension Hoses Shop-Vac

Stk.	Mfr.	Size	Length	Price
<b>776220</b>	903-24	1-1/4"	18'	<b>\$63.00</b>
<b>776250</b>	905-03	2-1/2"	8'	<b>\$25.20</b>

Crush-proof hose.

<b>776345</b>	905-66	1-1/2"	12'	<b>\$68.20</b>
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### Cloth Filter Bags Shop-Vac

Stk.	Mfr.	Item	Price
<b>774335</b>	901-02	Cloth Bag	<b>\$6.52</b>
<b>774403</b>	901-15	Super Performance Cloth Bag	<b>\$9.33</b>

### Reusable Dry Disc Filters Shop-Vac

Stk.	Mfr.	Item	Price
<b>774400</b>	901-07	With Mounting Ring, 3/pkg.	<b>\$5.75</b>
<b>775000</b>	901-37	W/out Mounting Ring, 3/pkg.	<b>\$4.93</b>

**High Efficiency Dry Filtration Filter Bags Shop-Vac** 95% efficient at 0.1 micron w/superior airflow characteristics.

Stk.	Mfr.	Item	Qty.	Price
<b>776370</b>	906-67-00	Fits 1.5 gal. AllAround® Type A 6.0 A, 1 gal. Micro & Bulldog®	3	<b>\$7.35</b>
<b>776397</b>	919-04-10	Fits 6 gal. Squat	5	<b>\$29.00</b>
<b>776396</b>	919-05-10	Fits 5, 6 & 8 gal.	5	<b>\$29.00</b>
<b>776398</b>	919-06-10	Fits 10, 12 & 14 gal.	5	<b>\$40.00</b>
<b>776399</b>	919-07-10	Fits 15-25 gal.	5	<b>\$42.60</b>

### Foam Filter Sleeve Shop-Vac

Stk.	Mfr.	Fits	Size	Qty.	Price
<b>776310</b>	905-25-00	Micro 202-10		1	<b>\$3.96</b>
<b>776355</b>	905-85		8" dia. x 6.5"H	1	<b>\$5.61</b>

**Cartridge Filter Shop-Vac** For both wet and dry pick up. Fits most full-size vacuums.

Stk.	Mfr.	Price
<b>775938</b>	903-04	<b>\$15.30</b>

**Ultra-Web® Filter** For small, dry debris & wet materials like cold fireplace ash, auto refinishing, cement dust, sawdust and drywall dust.

Stk.	Mfr.	Price
<b>776231</b>	903-50-00	<b>\$25.40</b>

**Prefilter Shop-Vac** For use w/903-04 filter.

Stk.	Mfr.	Price
<b>776230</b>	903-49	<b>\$8.54</b>

**Wet/Dry Vacuum Pleated Paper Filter Ridgid** Great for everyday dirt. 1 layer pleated paper filter. Fits 6-20 gallon vacuums.

Stk.	Mfr.	Qty.	Price
<b>691960</b>	VF4000	1	<b>\$27.00</b>

# MATERIAL HANDLING



## 2-Ton 10' Lift Chain Hoist

**J E T** Lightweight, compact design ideal for low head room applications. All steel construction with durable powder coat finish.

Capacity 4,400 lbs. Weight 44 lbs.

**Complies w/OSHA,ANSI/ASME B30.16 & HST-2 standards.**

Stk.	Mfr.	Lift	Head Room	Pull to Lift Capacity	Price
<b>485744</b>	L100-200-10	10'	14-3/4"	79 lbs.	<b>\$462.00</b>



## Folding Shop Crane

**Bendpak** 4,400 lb. capacity heavy-duty hydraulic folding engine hoist is perfect for shops that have limited space but still need the pure lifting convenience of a crane. 2-ton folding shop crane sports a 1" to 93" lifting range and features a 4-hole position boom and rugged hydraulic ram.

**Includes** heavy steel hook w/safety latch.

Stk.	Mfr.	Price
<b>235587</b>	RSC-2TF	<b>\$489.00</b>



## TuffTruck™ Platform Cart

**Safco** All-welded steel frame platform. Anti-skid mat and 3/4" wrap-around vinyl bumper. Folding handle, chip-resistant powder coat finish and 4" solid rubber wheels (2 swivel). Greenguard certified.

**Large Platform 24"W x 36"D** 500 lb. capacity. 24"W x 36"D x 34"H. Weight 42 lbs.

Stk.	Mfr.	Price
<b>770864</b>	4063	<b>\$171.00</b>

**Small Platform 19"W x 29"D** 400 lb. capacity. 18-3/4"W x 29"D x 33-1/2"H. Weight 22 lbs.

Stk.	Mfr.	Price
<b>770865</b>	4072	<b>\$120.00</b>



## Pallet Truck

**J E T** 5,000 lb. capacity truck of high-quality welded steel. Hydraulic pump with hardened and chrome piston and ram, high-quality seals and built-in overload protection. 1-hand operation, finger-tip controls, 180° turning radius. Low-profile 2-1/2" design with steel load

wheels. Steel push rods assist steering on uneven floors. Extra-wide poly-over-steel steer wheels with solid steel. Tapered forks with steel ramps for trouble-free pallet loading. Double sealed, lifetime lubricated wheel bearings.

Stk.	Mfr.	Price
<b>485758</b>	PT-2748J	<b>\$439.00</b>



## Drum Dolly

**J E T** Smooth-rolling, strong and durable dolly easily transports a 55 gal. drum. All welded 1/8" x 2-1/8" steel frame with 3-1/8" cross straps. Replaceable heavy-duty zinc-plated casters feature single race bearings with 3" x 1-1/4" polyolefin

tread to resist oil, water and impact. Zinc-plated nuts and bolts. Orange finish.

Stk.	Mfr.	Price
<b>485885</b>	DD-55	<b>\$90.70</b>



## Hand Truck

**Milwaukee Tool** 800 lb. capacity hand truck with 10" x 4" pneumatic wheels. Sturdy truck features high stacking capability. 8" x 14" toe plate. P-style handle.

Stk.	Mfr.	Price
<b>942831</b>	40119	<b>\$182.00</b>

# FANS



## 30" Industrial Pedestal Fan

**Pinnacle** Direct-drive, 2-speed motor delivers up to 8,476 cfm. 3 metal 30" dia. blades. 57° adjustable vertical tilt. Height adjusts from 67" to 76". 10' grounded cord.

**OSHA 1910.212 compliant.**

Stk.	Mfr.	Price
<b>943271</b>	PT-30P-DDF	<b>\$213.00</b>



## 20" High-Velocity Floor Fan

**Westpointe** Features 3 speed settings, rotary dial and 360° adjustable air flow. Grounded SJT type cord with convenient cord storage. Chrome finish. 20" diameter.

Stk.	Mfr.	Price
<b>943288</b>	HVF20-SC3PRONG	<b>\$82.30</b>

# FLASHLIGHTS & WORKLIGHTS



## Heavy-duty Flashlight

**Rayz** Soft black rubber heavy-duty flashlight with a bright Krypton bulb. Push-button switch. Water-resistant.

**Includes** 2 D batteries & carry strap.

Stk.	Mfr.	Price
<b>942669</b>	765216	<b>\$11.10</b>



## Luminator Floating Lantern

**Dorcy** Rugged 6V flashlight with super-bright Krypton bulb. Large handle, push-button switch and wireless integrated battery contact plate. Orange plastic, water-resistant housing floats for 30 min.

**Includes** 6V battery & bulb.

Stk.	Mfr.	Price
<b>942706</b>	41-2087	<b>\$8.63</b>



## D-Cell LED Flashlight

**Rayovac** 9 lumen pre-focused LED bulb. 160 hour runtime on alkaline batteries. 131' beam distance. Mfr.'s lifetime warranty.

**Includes** 1 D battery.

Stk.	Mfr.	Price
<b>943313</b>	VB1DLED-BA	<b>\$6.48</b>



### LED Aluminum Flashlight

**Dorcy** 80 Lumen LED projects 100' intense beam of light. Never-replace bulb. Black alloy-aluminum body. Recessed tail-cap switch. 8-hr. run time. 5.25"L.

**Includes** 3 AAA batteries.

Stk.	Mfr.	Price
<b>943277</b>	41-4287	<b>\$24.00</b>



### MaxLife 369™ Tripod Flashlight

**Stanley** Tripod design offers hands-free convenience. Weather-resistant anodized aluminum frame construction tripod legs. Multi-position head focuses light where it's needed. Extended run time of 200+ hrs. (on 9 AA batteries). Low-power indicator light. 4-position switch (low, medium, high & off).

**Requires 3, 6 or 9 AA batteries, sold separately.**

Stk.	Mfr.	Price
<b>864850</b>	95-112B	<b>\$22.40</b>



### Clip-on LED Flashlight

**Pelican** Dual, super-bright white LEDs provide 100+ hr. battery time. Turns on when the head is flipped up. Pivots 180° for aiming light. 1 oz.

**Includes** two 3V Li-ion batteries & built-in belt clip.

Stk.	Mfr.	Price
<b>532820</b>	2220-010-110	<b>\$31.20</b>

## BATTERIES, CHARGERS & TESTERS

### Batteries



Stk.	Mfr.	Type	Qty.	Brand	Price
<b>687722</b>	6V	6V carbon zinc	1	Duracell	<b>\$6.92</b>
<b>687755</b>	6V	6V alkaline	1	Energizer	<b>\$24.40</b>
<b>687715</b>	9V	9V alkaline	1	Duracell	<b>\$7.56</b>
<b>687731</b>	C	C alkaline	4	Duracell	<b>\$13.70</b>
<b>687745</b>	D	D alkaline	4	Duracell	<b>\$13.70</b>
<b>687720</b>	AA	AA alkaline	4	Duracell	<b>\$7.09</b>
<b>687734</b>	AAA	AAA alkaline	4	Duracell	<b>\$7.09</b>
<b>943197</b>	L91BP-2	AA Li-ion	2	Energizer	<b>\$8.15</b>
<b>943198</b>	L92BP-2	AAA Li-ion	2	Energizer	<b>\$8.15</b>

### Rechargeable Ni-Mh Batteries

#### Energizer

Stk.	Mfr.	Type	Qty.	Price
<b>942713</b>	NH22NBP	9V	1	<b>\$15.50</b>
<b>942709</b>	NH35BP-2	C	2	<b>\$15.50</b>
<b>942711</b>	NH50BP-2	D	2	<b>\$15.50</b>
<b>942719</b>	NH12BP-2	AAA	2	<b>\$11.50</b>
<b>942717</b>	NH15BP-2	AA	2	<b>\$11.50</b>
<b>942715</b>	NH15BP-4	AA	4	<b>\$19.10</b>



### Universal Battery Charger

**Energizer** Charges up to 8 AA, 8 AAA, 4C, 4D or 1 9V NiMH rechargeable batteries. Charges 4 AA batteries in approx. 3 hours. Easy-to-read LCD screen shows charging status of the batteries inside. Features auto shut-off

to prevent over charge, short circuit and reverse polarity protection & bad battery detection. Energy Star rated.

**Includes** AC adapter.

Stk.	Mfr.	Price
<b>943265</b>	CHFC	<b>\$44.50</b>



### Battery Tester

**Gardner Bender** Analog meter with a 9-position rotary selector switch. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, N, 9V, 1.5V button cells, 1.25V Ni-Cd rechargeable, 3V Li-ion, 22.5V photo & lantern cells, 6V lantern cell, 12V & 5V photo cells.

**Includes** test leads & instructions.

Stk.	Mfr.	Price
<b>416600</b>	GBT-500A	<b>\$12.50</b>



### Analog Battery Tester

**Gardner Bender** Analog meter with low/good indicator. Movable contact arm fits various battery sizes. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, 9V & 1.5V button cells.

**Includes** instructions.

Stk.	Mfr.	Price
<b>416602</b>	GBT-3502	<b>\$10.10</b>

## ELECTRICAL



### 6-Outlet Surge Protector

**Woods** 750 joule rating. 6 outlets with sliding safety covers and surge protection indicator. EMI/RFI noise filtration. UL listed.

Stk.	Mfr.	Price
<b>983146</b>	041152	<b>\$11.90</b>



### 6-Outlet 4' Cord Surge Protector

**Woods** 6 outlets with 1,000 joule surge protection. Surge protection and ground indicators.

Features right-angle plug, sliding safety covers and EMI/RFI noise filtration. Lighted on/off switch with 15A circuit. UL listed.

Stk.	Mfr.	Price
<b>983145</b>	041453	<b>\$14.80</b>



### 6-Outlet 3' Cord Metal Surge Protector

**Woods** 2 transformer outlets and 4 standard outlets with 750 joule surge protection. Durable metal construction, lighted reset on/off power and 15A circuit breaker. Sliding safety covers and EMI/RFI noise filtration. UL listed.

Stk.	Mfr.	Price
<b>983144</b>	041552	<b>\$21.70</b>



**Multi-Outlet Cord Reel**

**Alert** Convenient storage for 25' of 125V 16/3 cord. Features four 15 amp grounded outlets (NEMA 5-15R), built-in resettable circuit breaker and carrying handle.

Stk.	Mfr.	Length	Price
<b>943332</b>	6000-25G	25'	<b>\$33.60</b>



**Light Duty Retractable Cord Reel w/3-Outlets**

**Reelcraft** Compact design for light applications. Features powder coated steel housing, adjustable cable stop and a circuit breaker reset. 30' 16/3 SJTW cord with 3 outlets rated at 10A/125V.

**Includes** mounting hardware (for ceiling or wall).

Stk.	Mfr.	Length	Price
<b>688408</b>	LD2030-163-9	30'	<b>\$89.00</b>



**Retractable Metal Cord Reel w/3-Outlets**

**Coleman Cable** 30' safety striped 16/3 ga. grounded cord with 3 outlets. Heavy-duty diamond plate metal casing, built-in circuit breaker with lighted outlet. CETL listed.

**Includes** mounting hardware (for ceiling or wall).

Stk.	Mfr.	Length	Price
<b>983147</b>	E215	30'	<b>\$61.20</b>



**Orange Outdoor Round Vinyl Extension Cords**

**Woods** Extension cords with copper conductors, solid molded plugs for longer life, 2 layers of insulation, 1 around each conductor and a second

outer jacket which won't mark floors or walls. Resists deterioration from moisture and abrasion. UL listed, meets OSHA specifications.

**Single End**

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983102</b>	0267	25'	16/3	13A	<b>\$14.20</b>
<b>983103</b>	0268	50'	16/3	13A	<b>\$23.60</b>
<b>983108</b>	0625	25'	14/3	15A	<b>\$21.30</b>
<b>983109</b>	0626	50'	14/3	15A	<b>\$37.20</b>
<b>983106</b>	0528	25'	12/3	15A	<b>\$34.80</b>
<b>983107</b>	0529	50'	12/3	15A	<b>\$52.90</b>

**3-Way Power Block**

<b>983230</b>	0819	50'	12/3	15A	<b>\$64.90</b>
<b>983117</b>	0825	25'	14/3	15A	<b>\$34.20</b>
<b>983118</b>	0826	50'	14/3	15A	<b>\$51.10</b>
<b>983119</b>	0827	100'	14/3	13A	<b>\$90.60</b>



**Blue Outdoor Low Temp Extension Cords**

**Coleman Cable** High-visibility, blue SJTW extension cords are super flexible for cold temperature. Vinyl cords feature reinforced blades,

power indicator light in female receptacle, plus clear PVC plug and connector. UL listed for use to -45°.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983138</b>	02467	25'	14/3	15A	<b>\$28.70</b>
<b>983139</b>	02468	50'	14/3	15A	<b>\$48.30</b>
<b>983140</b>	02469	100'	14/3	13A	<b>\$91.90</b>
<b>983141</b>	02568	50'	12/3	13A	<b>\$76.80</b>
<b>983142</b>	02569	100'	12/3	13A	<b>\$146.00</b>



**Blue Outdoor Tri-Source 3-Way Power Block**

**Coleman Cable** Rugged, bright blue vinyl cord stays flexible outdoors to -45°F. Reinforced blades prevent bending and breaking.

Heavy-duty strain relief protection extends cord life. Female end has power indicator light. Meets OSHA and UL specifications.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983136</b>	04168	50'	12/3	15A	<b>\$92.40</b>



**Yellow Indoor Utility Extension Cords**

**Woods** Flat vinyl utility cords designed for general purpose indoor use. Solid molded plugs with copper conductors. Made with a single layer of vinyl insulation that won't mark walls or floors. Resists deterioration from moisture and abrasion.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983120</b>	0834	25'	14/3	15A	<b>\$26.40</b>
<b>983121</b>	0835	50'	14/3	15A	<b>\$48.70</b>



**Yellow Jacket® Extension Cord w/Ground Fault Circuit Interrupter**

**Woods** GFCI cord has lighted 3-outlet power block with right angle male plug. Provides maximum safety. Manual test-reset buttons. PowerLite™ plug glows when the cord has power. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983155</b>	2814	2'	12/3	15A	<b>\$64.20</b>



**Yellow Jacket® Multi Outlet Lighted Power Cord**

**Woods** Yellow Jacket compound is more flexible and abrasion resistant at any temperature than standard vinyl compounds. Lighted 3-outlet (spaced every 8') 25' power cord. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983157</b>	2830	25'	12/3	15A	<b>\$66.70</b>



**Woods Yellow™ Jacket 3-Outlet Lighted Power Cord**

**Woods** Extra heavy duty 600V insulated wire. Lighted 3-outlet power block features high-gloss, super-flexible wire in a tough molded unit that withstands heat, cold and rough use. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983158</b>	2882	2'	12/3	15A	<b>\$15.60</b>



**Hi-Vis/Low Temp Extension Cord**

**Coleman Cable** Single-end cord w/power indicator light. High-visibility bright blue cord. Provides super-flexibility at temperatures down to -45°F. UL listed.

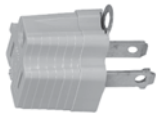
Stk.	Mfr.	Length	Gauge/Conductor	Price
<b>983149</b>	02367	25'	16/3	<b>\$16.80</b>



### Brown Indoor Heavy-duty Polarized Extension Cord

**Eagle** Extension cord is vinyl with cube tap. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>943027</b>	09405	20'	16/2	13A	<b>\$6.68</b>



### Plug Adapter

**Pass & Seymour** Grounding adapter converts outlet to 3-wire grounding outlet. Adapter has a rigid grounding lug.

Stk.	Mfr.	Price
<b>376072</b>	210-G	<b>\$0.76</b>



### Cord Wrap

**Bayco** Stores extension cords, work lights, coaxial cable, TV antenna wire, speaker wire, rope, holiday lights and more. Heavy-duty impact resistant plastic. Holds up to 150' 16 ga., 3-wire extension cord. Orange.

Stk.	Mfr.	Price
<b>942827</b>	K-150	<b>\$2.95</b>



### Cable Wraptor™

**Gardner Bender** Wrap and hang cords, cables, worklights, chains, hoses and more. Features easy-carry T-handle, large-grip teeth, quick-release trigger, stainless steel hinge, cable tie looping hole and large hang hole. Red and black.

Stk.	Mfr.	Price
<b>416580</b>	CW-T2RR25	<b>\$3.14</b>



### Work Light

**Woods** Dual Hook System permits hanging the light by either its guard or handle. Rugged heat-resistant housing stays cool even with short-neck bulbs. Round orange vinyl jacket is flexible and won't mark floors or walls. Metal grounded guard with switch and grounded outlet. 3-conductor light, UL listed and meets OSHA specifications for temporary lighting. Maximum bulb is 100W, not included.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983116</b>	0681	25'	18/3	10A	<b>\$17.40</b>



### Retractable Cord Reel w/Worklight

**Coleman Cable** Hand-held worklight with 25' retractable extension cord and heavy-duty diamond plate metal reel. 10A grounded outlet and 1/4 ga. high visibility safety stripe orange cord. Metal bulb guard. 100W maximum rated bulb (not included). UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	Price
<b>983148</b>	E251	25'	14/4	<b>\$73.60</b>



### Yellow Jacket® Trouble Light

**Woods** Cool-burning fluorescent work light features full length reflector for more light over workbench or engine. Trigger-started ballast. UL listed. SJT 15W.

**Includes** 15 watt bulb & S-hooks.

Stk.	Mfr.	Gauge/Conductor	Price
<b>983240</b>	38069	18/2	<b>\$59.00</b>

## GENERAL EQUIPMENT & SUPPLIES



### USA Flags

**Annin** Flag features sewn stripes, brass grommets and fits standard flag poles.

### Cotton Flag Printed stars & strong duck heading.

Stk.	Mfr.	Size	Price
<b>942947</b>	001124R	3' x 5'	<b>\$25.10</b>

### Nylon Flag Embroidered stars, heavy-white canvas heading & flag etiquette brochure

Stk.	Mfr.	Size	Price
<b>942678</b>	002450R	3' x 5'	<b>\$32.60</b>
<b>942679</b>	002215R	4' x 6'	<b>\$44.00</b>



### Digital/LCD/LED Moisture Meter

**General** Accurate, professional meter measures moisture in wood, brick, concrete drywall, plaster and lumber.

- Strong stainless steel pins
- Battery indicator
- Audible alarm w/8 tone levels

- 3 min. auto power off
- Hold/freeze button

1.5 - 50% moisture reading. 0.1% resolution. ±3% accuracy. Size 3"L x 1"W x 5-1/8"H. Weight 5 oz.

**Includes** 9V battery, protective cover & manual.

Stk.	Mfr.	Price
<b>419945</b>	MMD4E	<b>\$60.00</b>



### Pro Survivor Stopwatch

**Accusplit** Rugged, shock & water resistance. Million cycle switches operate cleanly, precisely & reliably. Large digits for easy viewing. Features split timing, time & date functions. 1.5 year battery life. 5-yr. mfr.'s warranty. Blue.

**Includes** lanyard, battery & instructions.

Stk.	Mfr.	Price
<b>122001</b>	AX601X-BU	<b>\$20.00</b>



### Survivor Stopwatch

**Accusplit** WOS 2.5 operating system. Cumulative split only. Timing range 24 hours. Event/time-out. 1,2 fast finish. Split/release action. Alarm & date. XL liquid crystal display. Water resistant.

**Includes** lanyard, battery & instructions.

Stk.	Mfr.	Price
<b>122000</b>	SIXLBK	<b>\$9.60</b>



### Analog Dial Thermometer

**General** For HVAC, hobby, laboratory, photography, automotive, food preparation and other applications. Displays temperature in Fahrenheit. 0° to 220°F range.

**Includes** stainless steel probe w/protective sheath & clip.

Stk.	Mfr.	Price
<b>431400</b>	321	<b>\$6.58</b>



### Empty Spray Bottle

**Contico Mfg** Adjustable sprayer container with safety information and area to note bottle's contents. See-through with black, red and white accents.

Stk.	Mfr.	Size	Price
942828	PRO16RW	16 oz.	\$3.68



### Synthetic Rubber Coating

**Plasti Dip** Protects against moisture, acids, abrasion and provides grip. Remains flexible and will not crack in extreme weather conditions. Easily applied by dipping or brushing. Endures temperatures from -30°F to 200°F.

Stk.	Mfr.	Color	Size	Price
943318	11601-6	Red	14.5 oz.	\$12.00
943319	11602-6	Yellow	14.5 oz.	\$12.00
943320	11603-6	Black	14.5 oz.	\$12.00



### Mousetrap

**Victor** Metal bait pedal mousetrap.

#### Quantity Savings!

Stk.	Mfr.	Qty.	Price	144 or more
543999	M040	1	\$0.76	\$0.61

## TOOL STORAGE



232995

233002

233007

### Metalworking Tool Box Project Kits

**KBBI Company** Students will experience cutting & bending metal, as well as spot welding or use of pop rivets. Each kit includes detailed instructions & accessories. **Requires galvanized metal sheets, sold separately.**

**Junior Tool Box Kit** One kit requires 3 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) hinge, draw bolt, steel handle w/cleats & 4 nickel-plated corners.

Stk.	Mfr.	Size	Qty.	Price
232995	JTK-6	13-1/2"L x 5-1/8"W x 4-1/4"H	6 kits	\$49.00
232996	JTK-24	13-1/2"L x 5-1/8"W x 4-1/4"H	24 kits	\$182.00

**Hip Roof Tool Box Kit** One kit requires 8 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) 2 hinges, padlock hasp, 4 nickel-plated corners, steel handle & 2 draw bolts.

Stk.	Mfr.	Size	Qty.	Price
233002	MTK-6	18"L x 6"W x 7"H	6 kits	\$72.00
233003	MTK-24	18"L x 6"W x 7"H	24 kits	\$233.00

**Large Tool Box Kit** One kit requires 5 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) hinge, hardware, steel handle, 4 nickel-plated corners & draw bolt.

Stk.	Mfr.	Size	Qty.	Price
233007	WTK-6	18-1/4"L x 6-1/4"W x 7-1/4"H	6 kits	\$65.70
233008	WTK-24	18-1/4"L x 6-1/4"W x 7-1/4"H	24 kits	\$217.00

## Metal Sheets

### Sioux City Foundry

#### Galvanized

Stk.	Mfr.	Size	Gauge	Price
884623	24GA	36" x 96"	24	\$72.40
884690	26GA	36" x 96"	26	\$97.00
884757	28GA	36" x 96"	28	\$88.00

#### Cold Rolled

884625	24GA	36" x 96"	24	\$130.00
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### Tool Box Continuous Hinges

Stk.	Mfr.	Item	Size	Qty.	Price
233011	KB-1314	JTK	13-3/4" x 1"	1	\$1.52
233010	KB-1734	MTK & WTK	17-3/4" x 1"	1	\$1.60

### Tool Box Corners

Stk.	Mfr.	Item	Qty.	Price
233040	8095N	JTK	1	\$0.40
233039	8050N	MTK & WTK	1	\$0.44

### Tool Box Latches

Stk.	Mfr.	Item	Qty.	Price
233041	44333N	MTK & WTK	1	\$2.30
233042	HC227ZE	JTK	1	\$3.70

### Tool Box Handles

For Tool Box Kits MTK, WTK & JTK. **Includes** handle and 2 cleats.

Stk.	Mfr.	Finish	Qty.	Price
233012	K140N-5	Steel	1	\$2.27

For Tool Box Kits MTK & WTK.

232920	350-7415	Black Handle / Nickel plated fittings	1	\$3.92
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**Hammered Spray Paint Rust-Oleum** Applies a distinctive hammered look &/or hides flaws & imperfections found in scratched, rusted or pitted metals. Not recommended for use on galvanized metal.

Stk.	Mfr.	Color	Size	Price
963050	7217830	Bright Red	12 oz.	\$10.40
963051	7211830	Deep Green	12 oz.	\$10.40
963052	7215830	Black	12 oz.	\$10.40

### Series 2000 Toolbox w/Tray Stanley



- Nickel metal-plated latches
- Black tool box & lid
- Soft, wide rubber-coated handle
- Built-in padlock eye for small locks

• 2 outside-accessible lid organizers

**Includes** lift-out tray.

Stk.	Mfr.	Size	Price
841020	024013S	24"W x 11"D x 11"H	\$39.30

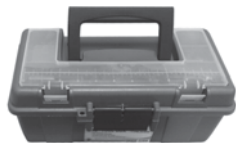


### Plastic Tool Boxes

**Plano** Gray plastic tool box features tool tray access without opening the main compartment. Recessed carrying handle and latches.

**Includes** lift-out tray, top access tray.

Stk.	Mfr.	Size	Weight	Price
943261	452-006	16"W x 8-1/2"D x 8"H	3.1 lbs.	\$25.60
943262	652-009	20"W x 10"D x 9"H	4.6 lbs.	\$38.00
943263	682-007	26"W x 10"D x 9-1/2"H	6.7 lbs.	\$44.20



**Compact Plastic Tool Box**

**Plano** Compact tool box with top access makes this a great small project box. Smaller tools, as well as the small parts needed to complete tasks are all at hand with this value priced tool box. Gray.

**Includes** lift out tray.

Stk.	Mfr.	Size	Price
<b>943308</b>	114-02	13"W x 7.5"D x 5"H	<b>\$12.70</b>



**24" Power Tool Box**

**DEWALT** Heavy-duty molded, 2-part detachable case. Top smaller case houses power tools and small parts. It's light weight allows easy job-site portability. Use the larger lower case to store hand tools. Small case w/integrated handle, large case w/long metal handle. Single push-button for case detach and reattachment. Heavy-duty, rust-resistant latches.

ton for case detach and reattachment. Heavy-duty, rust-resistant latches.

Stk.	Mfr.	Size	Weight	Price
<b>243409</b>	DWST24070	24"W x 11.5"D x 12.5"H	7.5 lbs.	<b>\$36.60</b>



**Canvas Tool Bag**

**Marshalltown** Heavy-duty canvas bag with lock stitched seams and a waterproof Masonite bottom. Handles, billets and buckles are riveted on a 12 ga. steel frame. Inside pocket. USA made.

Stk.	Mfr.	Size	Price
<b>528566</b>	831	20"W x 15"D	<b>\$51.70</b>



**Nylon Tool Bag**

**Marshalltown** 14 multi-purpose inside pockets, 6 outside pockets and 4 outside web pockets. Double-layered, water-resistant nylon with reinforced bottom panel. Padded handles and adjustable shoulder strap.

Stk.	Mfr.	Size	Price
<b>528558</b>	NB203	24"W x 10-1/2"D	<b>\$50.60</b>



**16" Utility Tote**

**Irwin** Open main storage compartment, side pockets, 24" level storage.

**Includes** removable shoulder strap.

**Shown with tools, sold separately.**

Stk.	Mfr.	Size	Price
<b>452719</b>	4402016	16"L	<b>\$45.60</b>



**16" Tool Box**

**Stack On** Nickel-plated steel tool box with heavy-duty handle. Locking latch and full-length, piano hinge provide security and strength. Baked epoxy finish resists rust and solvents.

Size 16"W x 7"D x 7-1/2"H.

**Includes** plastic lift-out tray.

**Shown w/tools, sold separately.**

Stk.	Mfr.	Capacity	Weight	Price
<b>943227</b>	SHB-16	840 cu. in.	5.65 lbs.	<b>\$37.70</b>



**19" Hip Roof Tool Box**

**Proto** Large capacity, general-purpose tool box easily displays socket sets. Double latch for greater security.

Size 19"W x 7"D x 7"H.

**Includes** steel lift-out tray.

Stk.	Mfr.	Capacity	Weight	Price
<b>903988</b>	9971-NA	931 cu. in.	8 lbs.	<b>\$55.30</b>



**Metal Tool Box**

**Craftsman** Metal tool box organizes tools and supplies in 1 convenient location. Rugged construction provides optimal protection against harsh environments.

Size 20"L x 8"W x 9"H.

**Includes** removable metal tote tray.

Stk.	Mfr.	Capacity	Weight	Price
<b>305775</b>	59210	1,440 cu. in.	10.25 lbs.	<b>\$56.80</b>



**32" Carpenter's Tool Box**

**Proto** Roomy tool box with sturdy side handles and standard top handle. Smooth rolled front edge. Extended corner tabs reinforce box strength. Metal construction with brown enamel.

Size 32"W x 8-1/2"D x 9-1/2"H.

**Includes** steel lift-out tray.

Stk.	Mfr.	Capacity	Weight	Price
<b>904010</b>	9979-NA	2,584 cu. in.	24 lbs.	<b>\$109.00</b>



**3-Drawer Portable Tool Chest**

**Craftsman** Red steel chest with flip-up top and 3 full-extension drawers that automatically lock when the lid is closed. Drawers open and close easily under heavy loads. Heavy-duty draw bolt and padlock hasp for security. Comfortable handle for easy carrying.

Size 20-1/2"W x 8-1/2"D x 12"H.

Stk.	Mfr.	Capacity	Price
<b>305790</b>	65337	1,558 cu. in.	<b>\$94.70</b>



**7-Drawer Machinists' Tool Chest**

**Kennedy** Brown wrinkle finish chest with 7 drawers, plus a generous top compartment, double wall side panels, 6 drawer dividers and keyed lock.

- 20 ga. frame, 22 ga. drawers
- 2-piece, welded friction full depth drawer slides

• Drop-front panel conceals & secures drawers from elements of the work environment (stores in base when not in use)

• Wool-felt lined drawers protect precision tools

• 90 lb. capacity per drawer

• Vinyl cushioned, steel top handle

• Mfr.'s limited lifetime warranty

Drawers

• (4) 8-5/8"W x 7-1/2"D x 1"H

• (1) 8-5/8"W x 7-1/2"D x 2"H

• (1) 18-1/4"W x 7-1/2"D x 1-1/2"H

• (1) 18-1/4"W x 7-1/2"D x 2-1/4"H

Top till 20"W x 8-3/8"D x 4-1/2"H. Size 20-1/8"W x 8-1/2"D x 13-5/8"H

Stk.	Mfr.	Capacity	Price
<b>492825</b>	520B	1,694 cu. in.	<b>\$332.00</b>



**Kennedy Portable Tool Chests**

One-piece, heavy-gauge steel back with bottom & top panels securely welded to the double-wall side panels, giving the chests a tight, solid fit.

- Durable, powder coat finish
- Drawer slides: - friction or ball-bearing for smooth operation - 2-piece, I-beam construction permits smooth, easy full drawer extension - slide limit stops keep drawers from extending on the drawer frame
- Lid features 2 safety stays to hold the lid open
- Locking system: - tamper-proof, internal drawer locks that lock when the lid is closed - cylinder lock w/2 keys
- Hinges are full length to fasten securely
- Cap end construction keeps lid square & weather tight
- Edges are rolled & flattened for added strength & safety



**3-Drawer Top Chest**

**Kennedy** Red smooth finish.  
Drawers

- (1) 23"W x 10-3/4"D x 2"H
- (1) 23"W x 10-3/4"D x 3"H
- (1) 23"W x 10-3/4"D x 4"H

Top till (1) 26"W x 11-7/8"D x 2-5/8"H

Lift-out tray w/socket set divider (1) 19-1/2"W x 7-3/4"D x 3-3/8"H

**Includes** snap-in friction slides.

Stk.	Mfr.	Size	Weight	Price
<b>492810</b>	263R	26-1/8"W x 12"D x 14-3/4"H	44 lbs.	<b>\$402.00</b>



**5-Drawer Top Chest**

**Kennedy** Red smooth finish.  
Drawers

- (4) 23"W x 16-1/2"D x 2"H
- (1) 23"W x 16-1/2"D x 4"H

Top till (1) 26-7/8"W x 17-3/4"D x 2-5/8"H

**Includes** snap-in ball bearing slides.

Stk.	Mfr.	Size	Weight	Price
<b>492830</b>	2705XR	27"W x 18"D x 18-3/8"H	88 lbs.	<b>\$735.00</b>



**6-Drawer Top Chest**

**Kennedy** Red smooth finish.  
Drawers

- (3) 6-7/8"W x 10-3/4"D x 2"H
- (2) 22-7/8"W x 10-3/4"D x 2"H
- (1) 22-7/8"W x 10-3/4"D x 3"H

Top till (1) 26"W x 11-7/8"D x 2-5/8"H

Lift-out tray w/socket set divider (1) 19-1/2"W x 7-3/4"D x 3-3/8"H

**Includes** friction slides.

Stk.	Mfr.	Size	Weight	Price
<b>492812</b>	266R	26-1/8"W x 12"D x 14-3/4"H	52 lbs.	<b>\$483.00</b>



**12-Drawer Top Chest**

**Kennedy** Brown wrinkle finish.  
Drawers

- (9) 8-5/8"W x 10-3/4"D x 2"H
- (2) 26-3/8"W x 10-3/4"D x 2"H
- (1) 26-3/8"W x 10-3/4"D x 3"H

Top till (1) 26"W x 11-7/8"D

Lift-out tray w/socket set divider (1) 19-1/2"W x 7-3/4"D x 3-3/8"H

**Includes** friction slides.

Stk.	Mfr.	Size	Weight	Price
<b>492835</b>	2812R	28-5/8" x 12" x 18-7/8" H	71 lbs.	<b>\$835.00</b>

**Kennedy Roller Cabinets**

One-piece, heavy-gauge steel top, bottom & back are securely welded to the double-wall side panels, giving the cabinet a tight, solid fit.

- Drawer slides: - full ball-bearings for smooth operation even when fully loaded - 2-piece, I-beam construction permits smooth, easy full drawer extension - w/ universal system offer flexibility of drawer configurations
- Locking system: - w/high security, tamper-proof, internal drawer locks - cylinder lock w/2 keys
- 5" dia. easy-roll rubber casters 2 rigid & 2 swivel w/toe locks
- Hardware is solid aluminum, plated steel
- Top panel is reinforced for strength & rigidity



**3-Drawer**

**Kennedy**

Drawers

- (2) 23"W x 16-1/2"D x 4"H
- (1) 23"W x 16-1/2"D x 6"H

Compartment (1) 24-1/8"W x 17-3/4"D x 11-1/4"H

**Includes** 1-1/4"W standard casters & swing down compartment panel.

Stk.	Mfr.	Size	Weight	Price
<b>492816</b>	273XR	27"W x 18"D x 35" H	102 lbs.	<b>\$635.00</b>



**6-Drawer**

**Kennedy**

Drawers

- (3) 23"W x 16-1/2"D x 2"H
- (3) 23"W x 16-1/2"D x 4"H

Compartment (1) 24-1/8"W x 17-3/4"D x 11-1/4"H

**Includes** 2"W riveted sintered bearing casters.

Stk.	Mfr.	Size	Weight	Price
<b>492820</b>	376XR	27"W x 18"D x 39"H	137 lbs.	<b>\$906.00</b>



**8-Drawer**

**Kennedy**

Drawers

- (3) 23"W x 16-1/2"D x 2"H
- (4) 23"W x 16-1/2"D x 4"H
- (1) 23"W x 16-1/2"D x 6"H

**Includes** 2"W riveted sintered bearing casters.

Stk.	Mfr.	Size	Weight	Price
<b>492822</b>	378XR	27"W x 18"D x 39" H	154 lbs.	<b>\$987.00</b>



**15-Drawer**

**Kennedy**

Drawers

- (5) 23"W x 16-1/2"D x 2"H
- (3) 23"W x 16-1/2"D x 4"H
- (1) 23"W x 16-1/2"D x 6"H

- (2) 9-5/8"W x 16-1/2"D x 2"H
- (3) 9-5/8"W x 16-1/2"D x 4"H
- (1) 9-5/8"W x 16-1/2"D x 12"H

**Includes** 2"W roller bearing casters & full width drawer pulls.

Stk.	Mfr.	Size	Weight	Price
<b>492818</b>	315XR	39-3/8"W x 18"D x 39"H	230 lbs.	<b>\$1,377.00</b>

**Craftsman Industrial 3000 Series Tool Chests**

Constructed specifically for professional work environments.

- I-Frame® construction adds strength & durability
- Heavy-duty full-extension ball-bearing drawer slides support 85 lbs. per drawer
- Top opening chests feature gas struts that safely lift, lower & support the lid
- Internal tubular locking system protects property
- Tubular chrome side handle on rolling cabinets & overmolded bail side handles on top chests for mobility
- Large aluminum drawer trim is comfortable for large fingers • Red finish

**4-Drawer 3000 Series**



- (1) 22-3/8"W x 16-1/2"D x 3-1/8"H
  - (1) 22-3/8"W x 16-1/2"D x 4-1/8"H
  - (1) 22-3/8"W x 16-1/2"D x 6-3/8"H
  - (1) 22-3/8"W x 16-1/2"D x 9-1/2"H
- 5" x 2" casters support 1,000 lbs.

Stk.	Mfr.	Size	Weight	Price
<b>305622</b>	18391	26-1/2"W x 18"D x 34-1/4"H	120 lbs.	<b>\$691.00</b>

**5-Drawer 3000 Series**



Drawers

- (2) 22-3/8"W x 10-3/4"D x 2"H
- (3) 22-3/8"W x 10-3/4"D x 3-1/8"H

Stk.	Mfr.	Size	Weight	Price
<b>305621</b>	18383	26"W x 12"D x 19-3/4"H	65 lbs.	<b>\$453.00</b>

**Craftsman Industrial 5000 Series Tool Chests**

Constructed specifically for professional work environments.

- I-Frame® construction for durability
- Heavy-duty full-extension ball-bearing drawer slides support 110 lbs. per drawer
- Select drawers with double slides support 175 lbs.
- GRIPLATCH® system secures each drawer
- Internal tubular locking system protects property
- Top opening chests feature gas struts that safely lift, lower & support the lid
- Tubular chrome side handle on rolling cabinets & overmolded bail side handles on top chests
- Large aluminum drawer trim is comfortable for large fingers • Red finish

**5-Drawer 5000 Series**



- (2) 22-3/8"W x 14-5/8"D x 2"H
  - (3) 22-3/8"W x 14-5/8"D x 3-1/8"H
- Overall size 26"W x 16"D x 19-3/4"H.

Stk.	Mfr.	Weight	Capacity	Price
<b>305616</b>	18416	113 lbs.	5,840 cu. in.	<b>\$596.00</b>

**6-Drawer 5000 Series**



- (1) 22-3/8"W x 16-1/2"D x 2"H
  - (2) 22-3/8"W x 16-1/2"D x 3-1/8"H
  - (2) 22-3/8"W x 16-1/2"D x 4-1/8"H
  - (1) 22-3/8"W x 16-1/2"D x 6-3/8"H
- 6" x 2" casters support 1,500 lbs.  
Overall size 26-1/2"W x 18"D x 36"H.

Stk.	Mfr.	Weight	Capacity	Price
<b>305617</b>	18417	155 lbs.	7,961 cu. in.	<b>\$952.00</b>

**8-Drawer 5000 Series**



Left

- (3) 22-3/8"W x 16-1/2"D x 2"H
- (1) 22-3/8"W x 16-1/2"D x 3-1/8"H
- (1) 22-3/8"W x 16-1/2"D x 4-1/8"H

Right

- (2) 11-3/4"W x 16-1/2"D x 4-1/8"H
- (1) 11-3/4"W x 16-1/2"D x 5-1/4"H

Overall size 40-1/2"W x 17-3/4"D x 19-3/4"H.

Stk.	Mfr.	Weight	Capacity	Price
<b>305618</b>	18455	153 lbs.	10,148 cu. in.	<b>\$985.00</b>

**14-Drawer 5000 Series**



Left

- (6) 22-3/8"W x 16-1/2"D x 3-1/8"H
- (1) 22-3/8"W x 16-1/2"D x 4-1/8"H
- (1) 22-3/8"W x 16-1/2"D x 6-3/8"H

Right

- (4) 11-3/4"W x 16-1/2"D x 3-1/8"H
- (1) 11-3/4"W x 16-1/2"D x 4-1/8"H
- (1) 11-3/4"W x 16-1/2"D x 12-3/4"H

6" x 2" casters support 1,500 lbs. Overall size 41"W x 18"D x 42-1/4"H.

Stk.	Mfr.	Weight	Capacity	Price
<b>305619</b>	18463	296 lbs.	15,500 cu. in.	<b>\$1,609.00</b>

**Craftsman Industrial 7000 Series Tool Chests**

Constructed specifically for professional work environments.

- All steel roll cage construction prevents racking & supports weight
- Industrial-grade full-extension ball-bearing drawer slides support up to 200 lbs. per drawer
- Select drawers with double slides support 300 lbs.
- GRIPLATCH® drawer latching system secures each drawer
- Cable-activated tubular locks provide the highest level of security
- Top opening chests feature gas struts that safely lift, lower & support the lid
- Large anodized aluminum drawer trim provides extra finger clearance
- Red finish • Mfr.'s limited lifetime warranty

**5-Drawer 7000 Series**



- (2) 31-7/8"W x 18-1/2"D x 2"H
- (2) 31-7/8"W x 18-1/2"D x 3-1/8"H
- (1) 31-7/8"W x 18-1/2"D x 4-1/8"H

Stk.	Mfr.	Size	Weight	Price
<b>305610</b>	18250	36"W x 21"D x 24-1/2"H	210 lbs.	<b>\$1,554.00</b>

**7-Drawer 7000 Series**



- (1) 31-7/8"W x 18-1/2"D x 2"H
- (2) 31-7/8"W x 18-1/2"D x 3-1/8"H
- (3) 31-7/8"W x 18-1/2"D x 4-1/8"H
- (1) 31-7/8"W x 18-1/2"D x 8-1/2"H

Stk.	Mfr.	Size	Weight	Price
<b>305611</b>	18251	36"W x 21"D x 41-1/4"H	308 lbs.	<b>\$2,239.00</b>

**7-Drawer Side Cabinet 7000 Series**



- (1) 14-3/8"W x 18-1/2"D x 2"H
- (2) 14-3/8"W x 18-1/2"D x 3-1/8"H
- (3) 14-3/8"W x 18-1/2"D x 4-1/8"H
- (1) 14-3/8"W x 18-1/2"D x 8-1/2"H

Stk.	Mfr.	Size	Weight	Price
<b>305612</b>	18252	18-1/2"W x 21"D x 35-1/2"H	172 lbs.	<b>\$1,170.00</b>

**10-Drawer 7000 Series**



Left

- (2) 23-3/8"W x 21-1/2"D x 2"H
- (2) 23-3/8"W x 21-1/2"D x 3-1/8"H
- (1) 23-3/8"W x 21-1/2"D x 4-1/8"H

Right

- (2) 14-3/8"W x 21-1/2"D x 2"H
- (2) 14-3/8"W x 21-1/2"D x 3-1/8"H
- (1) 14-3/8"W x 21-1/2"D x 4-1/8"H

Stk.	Mfr.	Size	Weight	Price
<b>305614</b>	18272	46"W x 24"D x 24-1/2"H	347 lbs.	<b>\$2,093.00</b>

**13-Drawer 7000 Series**

Full Width

- (1) 41-7/8"W x 21-1/2"D x 4-1/8"H

Left

- (1) 23-3/8"W x 21-1/2"D x 2"H
- (2) 23-3/8"W x 21-1/2"D x 3-1/8"H
- (2) 23-3/8"W x 21-1/2"D x 4-1/8"H
- (1) 23-3/8"W x 21-1/2"D x 8-1/2"H

Right

- (1) 14-3/8"W x 21-1/2"D x 2"H
- (2) 14-3/8"W x 21-1/2"D x 3-1/8"H
- (2) 14-3/8"W x 21-1/2"D x 4-1/8"H
- (1) 14-3/8"W x 21-1/2"D x 8-1/2"H

6" x 2" super-duty casters support up to 3,600 lbs.



Stk.	Mfr.	Size	Weight	Price
<b>305615</b>	18289	46"W x 24"D x 42-1/4"H	463 lbs.	<b>\$3,175.00</b>

**4-Drawer Side Locker 7000 Series**

**Craftsman Industrial**

Drawers

- (4) 14-3/8"W x 18-1/2"D x 3"H



Stk.	Mfr.	Size	Weight	Price
<b>305613</b>	18253	18-1/2"W x 21"D x 59-1/4"H	164 lbs.	<b>\$1,372.00</b>

**Craftsman Industrial 9000 Series Tool Chest**

Constructed specifically for professional work environments, with features like larger casters, thicker drawers and upgraded handles.

- Double roll cage construction with heavy gauge reinforcement for maximum strength & durability
- Industrial full-extension ball-bearing drawer slides support up to 200 lbs. per drawer with single set of drawer slides
- Double sets of slides on full-width drawers support 320 lbs.
- Industrial GRIPLATCH® latching system holds drawers closed
- Mobile unit features 6" x 2" casters support 3,600 lbs.
- Tubular locking system protects property
- Vinyl-coated work surface on cart make an ideal project work area
- Chrome-plated handles clean easily & aluminum trim protects all four corners
- Includes embossed drawer liners to protect drawer surfaces & tools
- Red finish
  - Mfr.'s Limited lifetime warranty



**13-Drawer 9000 Series**

Full Width

- (1) 51-1/4"W x 21-1/2"D x 3-1/2"H

Left

- (1) 14-3/8"W x 21-1/2"D x 1-5/8"H
- (3) 14-3/8"W x 21-1/2"D x 2-3/8"H
- (1) 14-3/8"W x 21-1/2"D x 12-1/8"H

Right

- (1) 32-1/2"W x 21-1/2"D x 1-5/8"H
- (5) 32-1/2"W x 21-1/2"D x 2-3/8"H
- (1) 32-1/2"W x 21-1/2"D x 5-5/8"H

Stk.	Mfr.	Size	Weight	Price
<b>305761</b>	38557	56"W x 24"D x 42-3/4"H	591 lbs.	<b>\$6,011.00</b>

**Canopy 9000 Series**



- Gas struts safely support canopy lid
- Worklight & power strip

Stk.	Mfr.	Size	Weight	Price
<b>305760</b>	38555	56"W x 24"D x 24-1/2"H	150 lbs.	<b>\$2,188.00</b>

**GLOVES**

**Cotton Jersey Work Gloves**

**Ammex** Soft brown cotton gloves with knit wrist to fit small or large sizes.



Stk.	Mfr.	Size	Price
<b>942902</b>	BJ-S	Small	<b>\$1.91</b>
<b>942904</b>	BJ-L	Large	<b>\$1.91</b>

**Hi-Viz Knit Dip Gloves**

**Radians** 15-ga. high visibility nylon shell. Elastic cuff for comfortable, slip-on fit. Micro-foam dipped latex palm provides durability and slip-free grip.



Stk.	Mfr.	Size	Price
<b>687841</b>	RWG10M	Medium	<b>\$4.87</b>
<b>687842</b>	RWG10L	Large	<b>\$4.87</b>

Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904



### Synthetic Leather Work Gloves

**DEWALT** Terry cloth with breathable spandex backhand. Reinforced padded palm. Breathable, flexible neoprene between fingers, and in knuckle strap and wrist system. ToughGrip™ reinforced fingertips and thumb saddle. Elastic cuff with hook and loop closure. ToughThread™ double stitching. Concealed inner seams. Machine washable.

Stk.	Mfr.	Size	Price
<b>687830</b>	DPG20M	Medium	<b>\$15.60</b>
<b>687831</b>	DPG20L	Large	<b>\$15.60</b>
<b>687832</b>	DPG20XL	X-Large	<b>\$15.60</b>



### Leather Palm Work Gloves

**Steiner** Shoulder-split leather on palm, thumb, index finger, fingertips and knuckle strap with soft palm lining. Safety cuff style features gunn cut pattern with wing thumb, pull tab and rubberized cuffs.

Stk.	Mfr.	Size	Price
<b>885000</b>	SPC02	Large	<b>\$5.23</b>



### Premium Leather Work Gloves

**Steiner** Premium heavyweight side split cowhide palm gloves. Soft lined palm, rubberized 2" safety cuff.

Stk.	Mfr.	Size	Price
<b>885005</b>	SPC22	Large	<b>\$6.67</b>



### Premium Cowhide Gloves

**Anchor** Quality premium grain cowhide leather for comfortable and reliable protection. Unlined with hemmed cuff. Keystone thumb with shirred elastic back.

Stk.	Mfr.	Size	Price
<b>618726</b>	4010L	Large	<b>\$14.40</b>



### Vinyl Gloves

**Ammex** Highly sensitive touch for painting, staining, electronics work, assembly and food handling. Ambidextrous design. 5 mil thick.

Stk.	Mfr.	Size	Qty.	Price
<b>198000</b>	IV42100-S	Small	100	<b>\$5.88</b>
<b>198001</b>	IV44100-M	Medium	100	<b>\$5.88</b>
<b>198002</b>	IV46100-L	Large	100	<b>\$5.88</b>
<b>198003</b>	IV48100-XL	X-Large	100	<b>\$5.88</b>



### Latex Gloves

**Ammex** Seamless construction, rolled cuff, fits either hand. Extra stretch for best fit, highly sensitive touch. 10"L, 5 mil thick.

**Caution: natural latex may cause allergic reactions in some individuals.**

#### Powdered

Stk.	Mfr.	Size	Qty.	Price
<b>198004</b>	TL42100-S	Small	100	<b>\$8.91</b>
<b>198005</b>	TL44100-M	Medium	100	<b>\$8.91</b>
<b>198006</b>	TL46100-L	Large	100	<b>\$8.91</b>
<b>198007</b>	TL48100-XL	X-Large	100	<b>\$8.91</b>

#### Powder-Free

Stk.	Mfr.	Size	Qty.	Price
<b>198008</b>	TLF42100-S	Small	100	<b>\$10.10</b>
<b>198009</b>	TLF44100-M	Medium	100	<b>\$10.10</b>
<b>198010</b>	TLF46100-L	Large	100	<b>\$10.10</b>
<b>198011</b>	TLF48100-XL	X-Large	100	<b>\$10.10</b>



### Latex-free Nitrile Gloves

**Ammex** Low-powder, blue synthetic rubber gloves protect from most solvents and oils, plus offer abrasion, cut and puncture protection. Ambidextrous, single use glove with beaded cuff and micro-texture finish. 5 mil thick, 9.5"L.

**Not for use w/ketones & some organic solvents.**

Stk.	Mfr.	Size	Qty.	Price
<b>198012</b>	XN44100-M	Medium	100	<b>\$11.40</b>
<b>198013</b>	XN46100-L	Large	100	<b>\$11.40</b>
<b>198014</b>	XN48100-XL	X-Large	100	<b>\$11.40</b>



### Polyethylene Gloves

**Ammex** Gloves have heat-sealed seams and fit either hand. USDA accepted. 1.25 mil thick.

Stk.	Mfr.	Size	Qty.	Price
<b>198015</b>	PGLOVE-S	Small	100	<b>\$1.94</b>
<b>198016</b>	PGLOVE-M	Medium	100	<b>\$1.94</b>
<b>198017</b>	PGLOVE-L	Large	100	<b>\$1.94</b>



### Magnetic Glove Dispenser

**Lisle** Dispenser attaches to tool box or any ferrous metal surface. 2 large magnets hold unit in place, or mount to wall using screw slots provided. 3 adjusting springs accommodate all common sizes of disposable gloves, both 50 & 100 pkgs. Made of powder-coated steel.

Stk.	Mfr.	Price
<b>503830</b>	20130	<b>\$27.10</b>

## BROOMS & BRUSHES



### Utility Scrub Brush

**Weiler** White synthetic fill. Plastic block. 5" x 5-1/2" brush face size with 2" trim. 20" overall length.

Stk.	Mfr.	Price
<b>969303</b>	44663	<b>\$8.45</b>



### Hand & Nail Brush

**Weiler** Plastic fill. Use brush to clean hands and fingernails. 4-3/4" x 1-1/2" wood block. 5/8" trim length.

Stk.	Mfr.	Price
<b>969300</b>	44314	<b>\$3.38</b>



### Spoke Brush

**Weiler** White tampico fill. 10"L brush with a tapered dia. from 2-3/4" to 1-1/2". 15" overall length.

Stk.	Mfr.	Price
<b>969301</b>	44315	<b>\$9.63</b>



### Wire Brushes

**Weiler** For removing rust, scale, paint, solder, cleaning threads, files, metal parts and castings.

#### Curved Handle

Stk.	Mfr.	Brush	Rows	Trim	Block Size	Price
<b>969292</b>	44053	5-1/2"	3 x 19	1-3/16"	14" x 7/8"	<b>\$5.34</b>

#### Shoe Handle

Stk.	Mfr.	Brush	Rows	Trim	Block Size	Price
<b>969293</b>	44063	5"	4 x 16	1-3/16"	10" x 1-1/8"	<b>\$5.73</b>



### Bench Brushes

**Weiler** Great for quick cleanup on bench tops, counters, machine tops and hard-to-reach places. Lacquered hardwood handles.

#### Fine

Stk.	Mfr.	Fill	Brush	Trim	Price
<b>969285</b>	44003	Horsehair	8"L	2-1/8"	<b>\$12.20</b>

#### Medium

<b>969286</b>	44004	Gray Tampico	8"L	2-1/2"	<b>\$7.63</b>
<b>969336</b>	25252	Synthetic	8"L	2-1/2"	<b>\$6.64</b>



### Floor Broom

**Weiler** Corn fill, secured by 5 sewings. For industrial sweeping, wet or dry. 15"L trim, 54-1/2"L overall.

Stk.	Mfr.	Price
<b>969288</b>	44009	<b>\$22.50</b>



### Fine Sweeps

**Weiler** For dust and fine dirt on smooth surfaces. Lacquered hardwood block.

#### Palmyra Fill Requires 1-1/8" handle, sold separately.

Stk.	Mfr.	Block Size	Trim Length	Price
<b>969278</b>	42022	18"	4"	<b>\$13.00</b>
<b>969279</b>	42023	24"	4"	<b>\$16.60</b>

#### Black Horsehair & Poly Blend Requires 15/16" handle, sold separately.

<b>969275</b>	42013	18"	3"	<b>\$20.20</b>
<b>969276</b>	42014	24"	3"	<b>\$25.10</b>

#### Flagged Silver Polystyrene Requires 15/16" handle, sold separately.

<b>969282</b>	42041	18"	3"	<b>\$16.90</b>
<b>969283</b>	42042	24"	3"	<b>\$21.20</b>



### Medium Sweeps

**Weiler** For general purpose medium sweeping. Black tampico fill. Lacquered hardwood block.

**Requires 15/16" handle, sold separately.**

Stk.	Mfr.	Block Size	Trim Length	Price
<b>969273</b>	42007	18"	3"	<b>\$15.60</b>
<b>969274</b>	42008	24"	3"	<b>\$22.00</b>



### Coarse Sweeps

**Weiler** Coarse brush for sweeping heavy dirt and debris on rough surfaces. Black tampico fill with 1 row tempered steel wire in center. Lacquered hardwood block.

**Requires 1-1/8" handle, sold separately.**

Stk.	Mfr.	Block Size	Trim Length	Price
<b>969277</b>	42134	18"	3"	<b>\$22.50</b>
<b>969284</b>	42135	24"	3"	<b>\$30.20</b>



### Garage Brushes

**Weiler** Maroon synthetic fill (Polypropylene). Lacquered hardwood block. Moves heavy, caked dirt and debris over concrete and other rough surfaces. Use inside or outside for wet or dry sweeping. Solvent, oil, chemical and liquid resistant.

**Requires 1-1/8" handle, sold separately.**

Stk.	Mfr.	Block Size	Trim Length	Price
<b>969280</b>	42025	18"	3-1/8"	<b>\$16.10</b>
<b>969281</b>	42026	24"	3-1/8"	<b>\$19.90</b>



### Floor Squeegee

**Ettore** Curved end, heavy-duty squeegee has a rustproof steel handle socket and frame. Oil resistant, 24" black neoprene rubber blade for rough, heavy use.

**Requires 1-1/8" handle, sold separately.**

Stk.	Mfr.	Item	Price
<b>943113</b>	54524	24" Squeegee	<b>\$26.20</b>
<b>969326</b>	44573	54"L, 1-1/8" Tapered Handle	<b>\$8.83</b>
<b>969290</b>	44020	60"L, 1-1/8" Tapered Handle	<b>\$20.10</b>

### Brush Handles

#### Weiler

#### Wooden

Stk.	Mfr.	Item	Dia.	Length	Price
<b>969299</b>	44301	Plastic Thread	15/16"	60"	<b>\$19.80</b>
<b>969325</b>	44572	Wood Thread	15/16"	54"	<b>\$6.89</b>
<b>969289</b>	44018	Wood Thread	15/16"	60"	<b>\$16.30</b>
<b>969316</b>	44019	Wood Thread	1-1/8"	60"	<b>\$16.40</b>
<b>969327</b>	M-48	Metal Thread	15/16"	48"	<b>\$7.95</b>
<b>969298</b>	44300	Metal Thread	15/16"	60"	<b>\$18.50</b>

#### Metal With swivel hang cap.

Stk.	Mfr.	Item	Dia.	Length	Price
<b>969321</b>	44577	Metal Thread	15/16"	60"	<b>\$14.00</b>



### Threaded Replacement Tip

**Weiler** Made of heavy duty fiberglass. Use with any 15/16" dia. handle.

Stk.	Mfr.	Price
<b>969302</b>	44317	<b>\$1.53</b>



### Steel Brace

**Weiler** Reinforces & locks to block. Fits all handle sizes.

**Shown w/brush, sold separately.**

Stk.	Mfr.	Price
<b>969291</b>	44021	<b>\$1.58</b>



### Heavy-duty Steel Brace

**Weiler** Attaches to block w/wood screws & wraps around handle. Increases the life of the brush by providing extra support for handle & block. Fits all handle sizes.

**Shown w/brush, sold separately.**

Stk.	Mfr.	Price
<b>969297</b>	44290	<b>\$8.08</b>



### Dust Pan

**Weiler** Heavy-duty 20 ga. steel with black enamel finish.

Stk.	Mfr.	Item	Size	Price
<b>969317</b>	71078	Ribbed	2-3/4"H x 12"W x 13-1/2"D	<b>\$10.60</b>
<b>969318</b>	71079	Smooth	4-1/4"H x 16"W x 15"D	<b>\$22.70</b>

**Quickie** Rust and crack-free plastic pan snaps to broom handle.

<b>942958</b>	409	Snap-on	2-3/4"H x 10"W x 12"D	<b>\$3.90</b>
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**Grip Clip Organizers**

**Lehigh** For hanging lawn and garden tools, brooms and mops. Spring steel clips keep original shape.  
**Includes** wood screws.

Stk.	Mfr.	Holds	Capacity	Qty.	Price
943185	13200	3/8" to 5/8" dia.	10 lbs.	5	\$3.72
943184	13201	3/4" to 1-1/8" dia.	25 lbs.	4	\$3.96

**FASTENERS**



**Nylon Cable Ties**

**Gardner Bender** Self-locking nylon ties for bundling wire, cables, harnesses and more.

**White**

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
942906	46-308	8"	75 lbs.	2"	100	\$4.05
942910	46-308MN	8"	75 lbs.	2"	1,000	\$46.00

**Black UV resistant.**

942908	46-310UVB	11"	75 lbs.	3"	100	\$14.80
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**8" Nylon Cable Ties**

**Gardner Bender** Double lock cable ties of 100% nylon 6/6 material. Locking teeth on both sides of the tie and at the head ensuring a strong connection. Assorted fluorescent.

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
416575	46-308FST	8"	75 lbs.	2"	100	\$6.63



**Cable Tie Assortment**

**Fastener Barn Includes** 135 cable ties (4"L - 11"L, 18 lbs. - 50 lbs. tensile strength), 10 adhesive mounts 3/4" x 3/4" & 10 screw mounts 3/4" x 1/2", plus plastic case w/informational top.

Stk.	Mfr.	Qty.	Price
485509	CT99	155	\$42.30



**Cable Tie Tensioning Tool**

**Gardner Bender** Tightens & cuts cable ties w/a quick twist. For ties up to 75 lb. tensile strength.

Stk.	Mfr.	Price
416716	CTT-45	\$11.70



**Velcro**  
**Velcro**

Great for indoor and outdoor projects requiring a superior-strength or waterproof fastener. Black industrial-strength strips for strong closures. **Includes** pkg. w/built-in dispenser.

Stk.	Mfr.	Size	Qty.	Price
942810	90199	2"W x 4"L	2 strips	\$3.70
942812	90197	2"W x 15'L	1 roll	\$35.20

General purpose black press-on fasteners are great for smooth surfaces such as painted wallboard, glass, metal and most plastics.

Stk.	Mfr.	Size	Qty.	Price
942825	90072	7/8"W x 7/8"L	12 squares	\$2.99



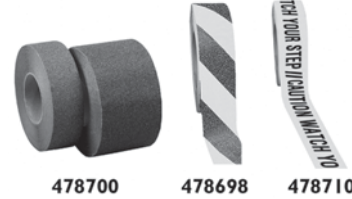
**Bungee Cords**

**Master Mechanic** Premium grade cord of first quality, long lasting rubber with durable UV resistant outer jacket. Bungee balls are cords with connector balls rather than hooks. Assorted sizes and colors.

**Includes** 12 cords (1 ea. 32", 2 ea. 24" & 18"; 5 ea. 10" mini cords) & 6 bungee balls.

Stk.	Mfr.	Qty.	Price
942869	MM42	20/pkg.	\$13.40

**TAPE**



**Contractor-grade Nonskid Tape**

**Incom** High-traction tape with durable 46-grit aluminum oxide compound provides longevity for general purpose indoors/outdoors. Good water and chemical resistance.

**Black**

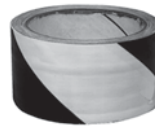
Stk.	Mfr.	Width	Length	Price
478700	SG7002CB	2"	60'	\$23.50
478701	SG7004CB	4"	60'	\$46.80
478702	SG7006CB	6"	60'	\$70.30

**Yellow/Black Striped**

478698	SG3902YB	2"	60'	\$34.60
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**Yellow/Black "Caution Watch Your Step"**

478710	SG8903PT	3"	60'	\$65.00
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**Safety Stripe Warning Tape**

**Incom** Tape has bright, durable warning stripes protected by clear laminated film to provide a bold, long lasting warning tape. Self-sticking tape adheres easier, faster and outlasts painted stripes.

Stk.	Mfr.	Width	Length	Color	Price
590346	VHT210	2"	18 yd.	black/yellow	\$4.68
590364	VHT211	2"	18 yd.	red/white	\$4.68
590347	WT2110	2"	36 yd.	black/yellow	\$7.73
590365	WT2200	2"	36 yd.	red/white	\$7.73



**Opaque Drafting Tape**

**Alvin** Smooth "low tack" surface. Leaves no stain, sticky particles or abraded surface.

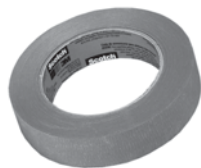
Stk.	Mfr.	Width	Length	Core	Price
196276	2300-A	1/2"	60 yd.	3"	\$6.17
196275	2300	3/4"	10 yd.	1-1/2"	\$4.66
196277	2300-B	3/4"	60 yd.	3"	\$8.06



**Masking Tape**

**3M Tartan** Economy grade for various uses.

Stk.	Mfr.	Width	Length	Price
590224	200	1/2"	60 yd.	\$2.48
590226	5142-18E	3/4"	60 yd.	\$1.91
590228	5142-24A	1"	60 yd.	\$2.52
590230	5142-36A	1-1/2"	60 yd.	\$3.78
590232	5142-48A	2"	60 yd.	\$5.06



**Scotch-Blue™ Painter's Tape**

**3M Scotch** Leaves no adhesive transfer or surface damage for up to 14 days, even in direct sunlight. Medium adhesion tape is ideal for painted walls, trim, woodwork, glass and metal.

Stk.	Mfr.	Width	Length	Price
<b>590250</b>	2090-18E	3/4"	60 yd.	<b>\$5.18</b>
<b>590251</b>	2090-24A	1"	60 yd.	<b>\$6.90</b>
<b>590252</b>	2090-48A	2"	60 yd.	<b>\$12.70</b>
<b>590256</b>	2090-72A	3"	60 yd.	<b>\$16.90</b>



**Scotch Duct Tape**

**3M** Perfect for repairs, box sealing and bundling, plus hanging lightweight polyethylene sheeting. Durable duct tape tears easily, applies smoothly and holds well even on curved surfaces.

Stk.	Mfr.	Width	Length	Color	Price
<b>942930</b>	1130-A	2"	30 yd.	Silver	<b>\$6.35</b>
<b>942692</b>	1020-YLW-A	2"	20 yd.	Yellow	<b>\$6.75</b>
<b>942693</b>	1020-RED-A	2"	20 yd.	Red	<b>\$6.75</b>
<b>942694</b>	1020-BLU-A	2"	20 yd.	Blue	<b>\$6.75</b>
<b>942689</b>	1020-BLK-A	2"	20 yd.	Black	<b>\$6.75</b>
<b>942699</b>	1020-GRN-A	2"	20 yd.	Green	<b>\$6.75</b>



**Clear Packaging Tape**

**3M** Clear general purpose tape for box sealing, splicing and more. Adheres instantly in a range of environments and applications to a variety of surfaces. Edge tear and split resistance. Good adhesion to fiberboard. Complies w/ASTM D 1974-92.

Stk.	Mfr.	Width	Length	Price
<b>943019</b>	305	1.89"	54 yd.	<b>\$3.59</b>



**Gorilla Duct Tape**

**Gorilla Glue** Tough all-weather shell stands up to the elements with tough abrasion resistance and a tight moisture/UV barrier. Reinforced tight-weave backing conforms easily to surfaces. Incredibly strong, yet can be ripped by hand. Aggressive double-thick adhesive fills in gaps on rough, porous or imperfect surfaces.

Incredibly strong, yet can be ripped by hand. Aggressive double-thick adhesive fills in gaps on rough, porous or imperfect surfaces.

Stk.	Mfr.	Width	Length	Color	Price
<b>511339</b>	6100102	1"	10 yd.	Black	<b>\$4.42</b>
<b>511335</b>	6035180	2"	35 yd.	Black	<b>\$14.80</b>
<b>511341</b>	6074003	2"	35 yd.	Silver	<b>\$14.80</b>



**Gorilla Clear Tape**

**Gorilla Glue** Fix, patch, seal, hold and protect almost any surface. Water, UV and temperature resistant clear tape. Will not yellow outdoors. Airtight for patching smooth surfaces, plus sticks to smooth, rough and uneven surfaces.

Stk.	Mfr.	Width	Length	Price
<b>511340</b>	6027003	1.88"	27'	<b>\$7.98</b>



**Duct Tape**

**Nashua** Versatile, polyethylene-coated cloth tape conforms and adheres to irregular surfaces. Tears off easily.

Stk.	Mfr.	Width	Length	Color	Price
<b>943222</b>	394	2"	60 yd.	Silver	<b>\$6.77</b>



**Double-sided Tape**

**Alvin** Special, thin, double-coated tissue paper tape has adhesive on both sides, protected by silicone paper. Interlined for quick, easy application.

Stk.	Mfr.	Width	Length	Core	Price
<b>196260</b>	2400-A	3/4"	36 yd.	3"	<b>\$11.50</b>
<b>196279</b>	2400-B	1"	36 yd.	3"	<b>\$15.00</b>
<b>196287</b>	2400-C	1"	25'	1/1/2"	<b>\$7.04</b>



**Magic Scotch Tape**

**3M Scotch** Magic transparent tape with plastic dispenser. The original matte finish invisible tape. Write on it with pen, pencil or marker.

Stk.	Mfr.	Width	Length	Price
<b>943163</b>	119	1/2"	800"	<b>\$3.38</b>
<b>943164</b>	104	1/2"	450"	<b>\$2.32</b>



**Invisible Tape**

**Alvin** Disappears completely on all papers, and won't create shadowy ghosts on photocopies or diazo copies. Long-lasting, moisture-resistant tape won't curl, crack or yellow and has strong holding power. For blueprinters, architects and engineers. Will also mend torn vellum sheets.

Stk.	Mfr.	Item	Width	Length	Core	Price
<b>196255</b>	CC134	Tape w/Dispenser	3/4"	36 yd.	1"	<b>\$13.70</b>
<b>196256</b>	CC340	Tape Refill	3/4"	36 yd.	1"	<b>\$11.20</b>



**Electrician's Plastic Tape**

**Gardner Bender** Top grade flame retardant 7 mil. electrical tape. Resistant to cold weather, abrasion, moisture, alkalis and acids.

Stk.	Mfr.	Width	Length	Price
<b>590380</b>	GTP-607	3/4"	60'	<b>\$1.43</b>



**Vinyl Electrical Tape**

**Gardner Bender** Assorted 7 mil. vinyl tape for marking wires and circuits. 5 pack includes red, orange, blue, green and white.

Stk.	Mfr.	Width	Length	Price
<b>942937</b>	GTPC-550	1/2"	20'	<b>\$3.53</b>

**CAN'T FIND IT?**

We have access to 1,000's of Products not listed here.

Call us for assistance. 800-831-5904



**Liquid Electrical Tape**

**Gardner Bender** Liquid coating for insulating and protecting electrical splices and connections. Waterproof tape won't unravel or deteriorate. For indoor/outdoor use. Brush-on applicator.

Stk.	Mfr.	Size	Color	Price
<b>416650</b>	LTB-400	4 oz. bottle	Black	<b>\$10.20</b>
<b>416651</b>	LTR-400	4 oz. bottle	Red	<b>\$10.20</b>



**Friction Tape**

**Gardner Bender** Black friction tape with matted finish provides gripping surface. Use for electrical splices, wrapping grips and other uses.

Stk.	Mfr.	Width	Length	Price
<b>416611</b>	GTF-600	3/4"	60'	<b>\$4.86</b>



**Teflon Tape**

**Harvey's** PTFE thread seal tape made of virgin white Teflon. Provides a strong, tight seal for any threaded joint. Temperature range -400°F to 500°F.

**Meets Mil Specification T-27730a.**

Stk.	Mfr.	Length	Width	Thickness	Price
<b>943201</b>	017117B	1/2"	14-1/3 yd.	.003"	<b>\$1.52</b>

**SAFETY**



**Caution Wet Floor**

**Rubbermaid** Alert students to slippery floor conditions. Yellow 2-sided sign is printed in 4 languages (English, French, German & Spanish). Plastic sign folds flat.

Stk.	Mfr.	Overall Size	Price
<b>942744</b>	6112-YEL	26-1/2"H x 11"W x 1-1/2"T	<b>\$26.90</b>



**Orange Traffic & Safety Cone**

**MSA** Durable 1-piece, PVC cone stays flexible in all weather conditions. High-visibility fluorescent orange is ultraviolet stabilized for fade resistance. Stable high-density base.

**Meets MUTCD specifications.**

Stk.	Mfr.	Size	Price
<b>943029</b>	10073409	11"L x 11"W x 18"H	<b>\$15.20</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*



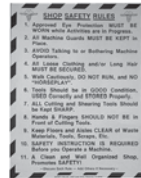
**Messaging Board**

**Velleman** A ready-to-run moving message medium. Easy to use and features 1 color (red). Memory for up to 26 page text or 16 page graphic plus 10 page text messages. Each page max. 210 characters (or 6,500 characters in total).

- 3 fonts
  - Display effect: normal or blinking
  - 4 scrolling speeds
  - 4 pre-programmed graphic symbols (motor, arrow, down & left)
  - Display information: text, symbols & graphics
  - 3 different songs can be added randomly in a message
  - Both the current date & time can be displayed in the message
  - Device can be wall-mounted, hung from the ceiling or free standing
  - Easy programming via remote control (included) or via PC w/RS-232/USB connection (software included)
  - System requirements: Windows® 98 or higher
- Viewable area: 2' x 2-1/16". Weight: 3.5 lbs.

**For complete specifications view this product on our website.**

Stk.	Mfr.	Price
<b>949140</b>	MML16RU	<b>\$176.00</b>



**Shop Safety Rules**

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

Stk.	Mfr.	Item	Size	Price
<b>770380</b>	AS-22	Auto Shop	17-1/2" x 22"	<b>\$14.20</b>
<b>770381</b>	ES-22	Electronics Shop	17-1/2" x 22"	<b>\$14.20</b>
<b>770382</b>	GS-22	General Shop	17-1/2" x 22"	<b>\$14.20</b>
<b>770383</b>	MS-22	Metal Shop	17-1/2" x 22"	<b>\$14.20</b>
<b>770384</b>	WS-22	Wood Shop	17-1/2" x 22"	<b>\$14.20</b>
<b>560200</b>	MW-SRSS	5-Piece Set	17-1/2" x 22"	<b>\$59.00</b>



**Mirror Brite Safety Signs**

**Safety Rules** Heavy-duty, high-impact, 1/16" plastic signs are very resistant to breaking, chemicals, weathering, etc., OSHA compliant. Hole in each of the rounded corners.

**Black/Yellow**

Stk.	Mfr.	Item	Size	Price
<b>770402</b>	313	Caution Do Not Talk To Operator	10" x 14"	<b>\$15.00</b>
<b>770403</b>	361	Caution Do Not Operate Without Safety Glasses	10" x 14"	<b>\$15.00</b>
<b>770404</b>	363	Caution Do Not Watch Arc	10" x 14"	<b>\$15.00</b>
<b>770405</b>	366	Caution Wear Eye Protection	10" x 14"	<b>\$15.00</b>

**Red/White**

<b>770406</b>	101	Fire Extinguisher	10" x 14"	<b>\$15.00</b>
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**Green/Black**

<b>770407</b>	627	Think The Safe Way Is The Best Way	10" x 14"	<b>\$15.00</b>
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**Red/Black/White**

<b>770408</b>	403	Danger Flammable Materials	10" x 14"	<b>\$15.00</b>
<b>770409</b>	481	Danger Acetylene	10" x 14"	<b>\$15.00</b>
<b>770410</b>	483	Danger Hazardous Chemicals	10" x 14"	<b>\$15.00</b>





### General Shop Safety Signs

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

#### Eye Protection Required

Stk.	Mfr.	Size	Price
770411	A	6" x 8"	<b>\$3.96</b>
770370	A	8" x 11"	<b>\$6.34</b>

#### Keep Guard in Place

770412	B	6" x 8"	<b>\$3.96</b>
770371	B	8" x 11"	<b>\$6.34</b>

#### Think! Accidents are Avoidable!

770413	C	6" x 8"	<b>\$3.96</b>
770372	C	8" x 11"	<b>\$6.34</b>

#### Keep Fingers Away From Moving Parts

770414	F	6" x 8"	<b>\$3.96</b>
770373	F	8" x 11"	<b>\$6.34</b>

#### Keep the Shop Clean and Orderly

770415	G	6" x 8"	<b>\$3.96</b>
770374	G	8" x 11"	<b>\$6.34</b>

#### No Running or "Horseplay" in the Shop

770416	H	6" x 8"	<b>\$3.96</b>
770375	H	8" x 11"	<b>\$6.34</b>

#### Do Not Bother Machine Operators

770417	J	6" x 8"	<b>\$3.96</b>
770376	J	8" x 11"	<b>\$6.34</b>

#### Put Tools Back in Their Proper Place

770418	K	6" x 8"	<b>\$3.96</b>
770377	K	8" x 11"	<b>\$6.34</b>

#### Machines Have No Brains. Use Yours!

770419	L	6" x 8"	<b>\$3.96</b>
770378	L	8" x 11"	<b>\$6.34</b>

#### Safety Instruction Required Before You Operate Machines

770420	M	6" x 8"	<b>\$3.96</b>
770379	M	8" x 11"	<b>\$6.34</b>

#### 10-Piece Set

560203	MW-GSSP2	6" x 8"	<b>\$39.60</b>
560202	MW-GSSP	8" x 11"	<b>\$55.00</b>

### Machine Safety Rules

**Safety Rules** Enforce your safety program with these clear, concise safety rules. Printed with black ink on bright yellow heavy stock paper. Signs are laminated for durability.

#### Circular Saw

Stk.	Mfr.	Size	Price
770421	1	6" x 8"	<b>\$3.96</b>
770385	1	8" x 11"	<b>\$6.34</b>

#### Jointer

770422	2	6" x 8"	<b>\$3.96</b>
770386	2	8" x 11"	<b>\$6.34</b>

#### Jig Saw

770423	3	6" x 8"	<b>\$3.96</b>
770387	3	8" x 11"	<b>\$6.34</b>

#### Band Saw

770424	4	6" x 8"	<b>\$3.96</b>
770388	4	8" x 11"	<b>\$6.34</b>

#### Wood Lathe

770426	5	6" x 8"	<b>\$3.96</b>
770389	5	8" x 11"	<b>\$6.34</b>

#### Radial Arm Saw

770427	6	6" x 8"	<b>\$3.96</b>
770390	6	8" x 11"	<b>\$6.34</b>

#### Disc/Belt Sander

770428	7	6" x 8"	<b>\$3.96</b>
770391	7	8" x 11"	<b>\$6.34</b>

#### Surfacer

770429	8	6" x 8"	<b>\$3.96</b>
770392	8	8" x 11"	<b>\$6.34</b>

#### Wood Shaper

770430	10	6" x 8"	<b>\$3.96</b>
770393	10	8" x 11"	<b>\$6.34</b>

#### Drill Press

770431	11	6" x 8"	<b>\$3.96</b>
770394	11	8" x 11"	<b>\$6.34</b>

#### Grinder

770432	12	6" x 8"	<b>\$3.96</b>
770395	12	8" x 11"	<b>\$6.34</b>

#### Gas Welding

770433	13	6" x 8"	<b>\$3.96</b>
770396	13	8" x 11"	<b>\$6.34</b>

#### Electric Welding

770434	14	6" x 8"	<b>\$3.96</b>
770397	14	8" x 11"	<b>\$6.34</b>

#### Metal Lathe

770435	15	6" x 8"	<b>\$3.96</b>
770398	15	8" x 11"	<b>\$6.34</b>

#### Milling Machine

770436	16	6" x 8"	<b>\$3.96</b>
770399	16	8" x 11"	<b>\$6.34</b>

#### Vertical Band Saw

770437	17	6" x 8"	<b>\$3.96</b>
770400	17	8" x 11"	<b>\$6.34</b>

#### Horizontal Band Saw

770438	20	6" x 8"	<b>\$3.96</b>
770401	20	8" x 11"	<b>\$6.34</b>

#### 17-Piece Set

560204	MW-BSSP2	6" x 8"	<b>\$59.00</b>
560201	MW-BSSP	8" x 11"	<b>\$89.00</b>

“Not sure what tool is right for your project or program?”



Dan Goodwin ext. 3104  
dgoodwin@midwesttechnology.com

## CLEANING PRODUCTS



### Concentrated Liquid Oil Soap

**Murphy** Pure vegetable base, clean scent, nontoxic soap. Natural cleaner for wood floors, paneling and other wood surfaces. 32 oz. makes 16 gal., 1 gal. makes 64 gal.

Stk.	Mfr.	Size	Price
943146	01163	32 oz.	\$7.48
943147	01103	1 Gal.	\$23.80



### Metal Polish

**Noxon** Use to clean and shine brass, bronze, copper, chromium, stainless steel, aluminum and pewter.

Stk.	Mfr.	Size	Price
942803	00117	12 oz.	\$6.26



### Absorbent

**Oil-Dri** Heavy-duty industrial oil absorbent, soaks up liquid spills from floors, provides traction on snow and ice.

Stk.	Mfr.	Size	Price
943283	101008	8 lbs.	\$13.20
942802	05080	50 lbs.	\$40.20



### Kleen Sweep™

**Akona** Water-based compound out performs oil-based products. Controls dust and picks up on cement, vinyl, rubber, asphalt, composition and other floors. Picks up gypsum and wall board dust. Stain-free and won't leave oily residue. Environmentally safe (no petroleum oil, not toxic or hazardous).

Stk.	Mfr.	Size	Price
942859	1815	50 lbs.	\$42.10



### Wiping Cloths

**Kimberly-Clark** Cloth-like towels for heavy cleaning or polishing. 12" x 15" white cloths. Ideal for cleaning jobs. 56 sheets/pkg.

Stk.	Mfr.	Qty.	Price
482779	05701	18 pkg./case	\$110.00



### Shop Towel Roll

**Scott** Shop towel roll is ideal for cleaning up the toughest grease, grime & solvents. Heavy-duty, disposable and reusable. Reinforced with synthetic innovative Hydroknit technology. 3 times stronger when wet.

Stk.	Mfr.	Qty.	Price
943312	32992	60 ct. roll	\$5.29



### Mechanic's Shop Towels

**Clean Rite** 100% cotton shop towels for oil and grease spills or general cleanup. Red. 13" x 14".

Stk.	Mfr.	Qty.	Price
943303	3-542	25/pkg.	\$9.35



### White Rags in a Box

**Scott** The strength of cloth with the absorbency of a sponge. Pop-up dispenser box.

Stk.	Mfr.	Qty.	Price
942724	75240	85	\$8.43
942725	75260	200	\$19.00



### Exact Cuts Shop Towels

**Intex** Exact cut T-shirt rags for painting and staining. Each 14" x 16" cloth comes without seams, holes or ragged, stringy edges. Prewashed for super absorbency and low lint.

Stk.	Mfr.	Qty.	Price
942903	W-30005	30	\$18.70



### Contractor's Choice Shop Towels

**Intex** Lint-free rags for painting, staining, polishing and cleaning. White washed and bleached all new cotton T-shirt rags are extra absorbent and soft.

Stk.	Mfr.	Size	Price
942901	6414-10	8 lb.	\$29.80



### Micro-Fiber Dry Tack Cloth

**NORTON** For general dry applications. Works best when sprayed with a light water mist to deep clean. Can be washed 300+ times without losing its cleaning and trapping abilities.

Stk.	Mfr.	Size	Price
600509	06038	16" x 16"	\$5.70

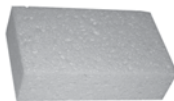


### Tan Tack Cloth

**TufPro** Premium quality pre-finish duster cloth made of 100% cotton surgical cheesecloth. The medium-heavy tan tack is safe for all finishes. Use between coats when refinishing wood or metalworking projects.

Stk.	Mfr.	Size	Price
942868	10501	18" x 36"	\$1.82

**Commercial Sponge**



**3M** Extra-large, highly-absorbent cellulose sponge is durable and less likely to fall apart.

Stk.	Mfr.	Size	Price
943246	7456-T	7.5"L x 4.4"W x 2"H	\$4.68

**C-Fold Towels & Dispenser**

**Kimberly-Clark**



482783

482782

**C-Fold Hand Towels** White 1-ply, 175 sheets/pkg. 25 pkg./case

Stk.	Mfr.	Price
482783	01980	\$78.60

**Dispenser** Gray.

Stk.	Mfr.	Price
482782	09905	\$64.50

**HAND CLEANERS**

**Instant Hand Sanitizer**



**Dial** For fewer student sick days, use hand sanitizer to kill harmful germs. No soap, water or towels needed. Contains moisturizers and leaves no harmful residue. Dermatologist tested and hypoallergenic.

Stk.	Mfr.	Size	Price
943157	01219	7.5 oz.	\$4.37

**Lava Bar Soap**



**Lava** The original pumice powdered heavy-duty hand cleaner. Cleans away grease, oil, tar, ink, paint, adhesives, caulk and lubricants.

Stk.	Mfr.	Size	Qty.	Price
618719	10085	5.75 oz.	1	\$2.98

**Klein Cleaners Hand Cleaning Towels**



**Klein** Pre-moistened hand towels clean like a pumice-based lotion, but without the messy, gritty residue. No rinsing or drying, just sink-free cleaning. Works on oils, tar, adhesives, asphalt, wax, graphite, grease, and more. Polyethylene bucket with a resealable dispenser prevents the towels from drying out if the closure is left open.

**Includes** 72 towels (9" x 12" each).

Stk.	Mfr.	Price
945317	51425	\$21.50

**Powdered Hand Soap**



**Boraxo** A mild abrasive that gets the dirt and grime out of hands. Box with pour spout.

Stk.	Mfr.	Size	Price
942816	02203	5 lb.	\$13.90



**Go-Jo® Hand Cleaners**

**Go-Jo** A complete line of heavy to medium-duty hand cleaners. Effective on a wide range of soils. Specialized hand cleaners are formulated for specific soil types.

**Fine Italian Pumice** Creme formula fine pumice particles for extra cleaning action. Removes heavy grease, tar & oil.

Stk.	Mfr.	Size	Type	Price
968045	1135-06	4 lb.	Plastic Cartridge	\$18.80

**Original Formula™** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

Stk.	Mfr.	Size	Type	Price
968040	1115-06	4.5 lb.	Plastic Cartridge	\$17.20

**Original Formula™ Hand** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

Stk.	Mfr.	Size	Type	Price
968050	1141-12	14 oz.	Plastic Cartridge	\$3.03

**Creme-Style Dispenser** For Fine Italian Pumice, Original Formula & Orange Smooth (also for 0905-06, 0915-06, 1075-06, 1095-06, 1144-06 & 1145-06).

Stk.	Mfr.	Size	Type	Price
968070	1204-01		Creme-style dispenser	\$24.00

**Natural Orange™ Smooth** Quick-acting lotion formula for cleaning industrial soils, medium dirt & grease. Orange scent.

Stk.	Mfr.	Size	Type	Price
968015	0947-12	14 oz.	Squeeze bottle w/nail brush	\$5.11
968014	0945-04	1 gal.	Bottle w/Pump	\$15.50

**Natural Orange™ Pumice** Quick-acting lotion w/pumice scrubbing particles clean industrial soils, medium dirt & grease. Orange scent.

Stk.	Mfr.	Size	Type	Price
968018	0957-12	14 oz.	Squeeze bottle w/nail brush	\$5.11
968017	0955-02	1 gal.	Bottle w/Pump	\$15.50

**Hand & Foot Cream**



**O'Keefe's** A unique formulation of moisturizing ingredients guaranteed to improve dry skin. Made with glycerin, that draws in and retains moisture, necessary for healthy skin.

Stk.	Mfr.	Item	Size	Price
511100	K0350007	Working Hands	3.4 oz.	\$7.90
511101	K0320005	Healthy Feet	3.4 oz.	\$7.90

**DEGREASERS & STAIN REMOVERS**

**Original Krud Kutter**



**Krud Kutter** Cut grease, grime, oil, tar, wax and more. Spray to safely clean food stains, dried latex paint, paint overspray, tape residue, glue and adhesive, acid rain, bird droppings, smoke damage, tree sap, marker, crayon, brake dust, oxidation, scuff marks, blood stains, gum, soap scum, mildew stains. Recommended for pressure washers and carpet cleaning machines. Earth-friendly water-based, nontoxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
889350	KK32	32 oz.	\$11.40
889345	KK01	1 Gal.	\$21.10



### Biodegradable Degreaser

**LiquiFix** Non-staining, industrial-strength formula removes oil, grease and grime from multiple surfaces and machinery. Dissolves fats, tar, adhesives and stains. Safe for automotive finishes and leaves no residue. Made from renewable base oils. Miscible formula for easy water rinsing. Non-hazardous, contains no chlorinated solvents.

Stk.	Mfr.	Size	Price
<b>502600</b>	200116	16 oz.	<b>\$11.70</b>



### Tough Task Remover

**Krud Kutter** Safely removes chewing gum, masking tape, printer's ink, soap scum, scuff marks, food stains, crayons, grease, oil, stickers, ink, shoe polish, wax, most glues, lipstick, tar and more. Environmentally-friendly, water-based, non-toxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
<b>889348</b>	KR01	1 Gal.	<b>\$21.90</b>



### Purple Cleaner Degreaser

**Gunk** Concentrated degreaser is powerful and fast-acting. Removes grease, oil, wax, tar & dirt. Use on cold engines, tires, concrete floors, vinyl siding, ovens, appliances and more.

Stk.	Mfr.	Size	Price
<b>688109</b>	CL32	32 oz.	<b>\$6.51</b>



### Tough Task Citrus Remover

**Krud Kutter** Commercial-strength formula safely and easily removes chewing gum, dried latex paint, stickers, tape, glue, ink, crayon, shoe polish, tar, asphalt, oil, grease, lipstick, soap scum, mildew, cosmetics. Not for use on leather, wood or other varnished surfaces. Environmentally-friendly cleaner is nontoxic, nonabrasive, nonflammable and biodegradable.

Stk.	Mfr.	Size	Price
<b>889343</b>	KC32	32 oz.	<b>\$11.60</b>



### Goo Gone Spray Gel

**Homax** Trigger bottle application allows gel to cling to the surface for no-drip, no-mess cleaning. Since gel holds onto the stain, it cleans quickly and effectively removes chewing gum, laundry stains, crayon, wax and more.

Stk.	Mfr.	Size	Price
<b>943266</b>	GGHS12	12 oz.	<b>\$9.00</b>



### Graffiti Remover

**Krud Kutter** Ultimate spray paint graffiti remover works on most hard, soft and porous surfaces. Removes acrylic, acrylic enamel, aerosol paint, enamel, high gloss, oil lacquers, primers, sealers, semi-gloss, Speed-E-Namels, stain killers, super enamels, urethane and water-based enamels, plus permanent markers, ink, lipstick, crayon and shoe dye. Environmentally-friendly water-based, nontoxic, non-flammable, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
<b>889335</b>	GR01	1 Gal.	<b>\$34.00</b>

## LUBRICANTS



### WD-40 Spray Lubricant

**WD-40** Multipurpose lubricant stops squeaks, free rusted parts and sticky mechanisms, protect metals and displace moisture, lubricate and restore smooth operation to moving parts and serve as lathe center lubricant. Flip attached straw into place for direct applications (gal. requires Spray Applicator Bottle, sold separately). Silicone-free and clean to use.

Stk.	Mfr.	Item	Size	Price
<b>966013</b>	11005	Smart Straw Spray	8 oz.	<b>\$6.33</b>
<b>966014</b>	10032	Smart Straw Spray	12 oz.	<b>\$8.46</b>
<b>966009</b>	10124	Big Blast Aerosol	18 oz.	<b>\$11.70</b>
<b>966008</b>	10010	Gallon	1 gal.	<b>\$27.40</b>
<b>966003</b>	10000	Spray Applicator Bottle		<b>\$5.62</b>



### Water Resistant Silicone Lubricant Spray

**WD-40** Safely lubricates, waterproofs and protects metal and non-metal surfaces, including rubber, plastic and vinyl. Dries fast and leaves a clear, non-staining film. Effective temperature range from -100°F to 500°F. Ideal for cables, pulleys, guide rails, valves, linkages, hinges, locks and more.

**50-state VOC compliant.**

Stk.	Mfr.	Size	Price
<b>966031</b>	300011	11 oz.	<b>\$10.10</b>



### Biodegradable Lubricant

**LiquiFix** Penetrates and lubricates all surfaces including aluminum, nylon and rubber without pitting by creating a corrosion resistant barrier and forming an ultra thin, non-drying anti-static film. Protects against rust and corrosion and does not evaporate. Non-toxic, odorless. Effective to -35°F.

Stk.	Mfr.	Size	Price
<b>502610</b>	401216	16 oz.	<b>\$9.45</b>



### Slide-All Dry Spray Lubricant

**Elmer's** Teflon dry spray lubricant provides more slip than silicone and graphite, but without oily stains.

Stk.	Mfr.	Size	Price
<b>257619</b>	E450	4 oz.	<b>\$6.08</b>



### Multi Purpose Spray Lubricant

**3M** Specialized aerosol formula provides the characteristics of lubricating oil, penetrating oil, demoisturizing coating and thin-bodied transparent rust preventative coating.

Stk.	Mfr.	Size	Price
<b>590253</b>	08898	10.5 oz.	<b>\$7.77</b>

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**PB Blaster Penetrating Catalyst**

**Blaster Chemical** Penetrates, lubricates, prevents rust and converts to a lubricating film after permeation. Fortified with surface oxidation and rust-proof chemistry. Starts wet ignitions and penetrates wet or icy frost. Intense wetting agent. Displaces moisture in electric relays.

Stk.	Mfr.	Size	Price
<b>943154</b>	16-PB	11 oz.	<b>\$7.34</b>



**Tool & Instrument Oil**

**Starrett** Provides a lasting oil film over all areas requiring protection against rust. This oil has not been adulterated by additives for color or odor.

Stk.	Mfr.	Size	Price
<b>875500</b>	1620	4 oz.	<b>\$11.60</b>



**Extra Fine Graphite Lubricant**

**AGS** Fine dry powdered lubricant for locks, hinges, tools, bicycles & more.

Stk.	Mfr.	Size	Price
<b>942897</b>	MZ-5	32 grams	<b>\$5.02</b>



**Liquid Wrench® Lubricant**

**Gunk** Powerful blend of quick-acting, fast-penetrating solvent that loosens rusted nuts, bolts and parts in seconds. Protects all metal surfaces from rust and corrosion.

Stk.	Mfr.	Size	Price
<b>942951</b>	L2-04	4 oz. Drip	<b>\$3.78</b>
<b>942950</b>	L112	11 oz. Spray	<b>\$6.89</b>
<b>942949</b>	L116	Pt. Can	<b>\$9.66</b>



**Liquid Wrench® Silicone Spray**

**Gunk** Compatible with all metals, rubber, plastic and wood. High-viscosity formula eliminates squeaks and lubricates all kinds of mechanical and automotive equipment.

Stk.	Mfr.	Size	Price
<b>688140</b>	M914	11 oz.	<b>\$6.45</b>



**3-in-1 Oil**

**WD-40** The multipurpose oil that does it all. It lubricates, cleans and prevents rust.

Stk.	Mfr.	Size	Price
<b>966001</b>	10038	8 oz. Drip	<b>\$6.00</b>
<b>966020</b>	100703	4 oz. Drip w/Telescoping Spout	<b>\$4.78</b>



**BladeCote® Lubricant**

**Bostik** BladeCote® bonds to microstructure of metal saw blades, drills and router bits, creating a clear, micro thin coating that greatly reduces friction and extends blade life. Prevents resin and pitch buildup. Contains no silicone or petroleum oil, won't stain or interfere with glues or finishes.

Stk.	Mfr.	Size	Price
<b>532812</b>	BC-16	10.75 oz.	<b>\$24.30</b>



**GlideCote® Lubricant**

**Bostik** Quick, easy application eliminates hang-ups on sliding surfaces (metal, laminate & plastic). Reduces sliding friction on table saws, receiving tables, drill presses, lathes, planers, band saws, miter saws, panel saws and hand tools. Up to 30% slicker and lasts 3x longer than paste wax. Won't stain wood or interfere with glues or finishes.

**CFC- & ODC-free. Meets VOC, EPA, CARB, AQMD & OTC standards.**

Stk.	Mfr.	Size	Price
<b>532811</b>	V207501	10.75 oz.	<b>\$20.30</b>

**WAX**



**Paste Wax**

**SC Johnson** Lustrous, oil-free, dust and water-resistant coating for floors, metal, leather, Formica, cork.

Stk.	Mfr.	Size	Price
<b>440000</b>	00203	1 lb.	<b>\$11.90</b>



**Paste Finishing Wax**

**Minwax** All-purpose finishing wax. Made for light woods.

Stk.	Mfr.	Size	Price
<b>793255</b>	78500	1 lb.	<b>\$10.80</b>



**Clear Paste Wax**

**Trewax** Restores the original satin brilliance of hardwood floors. Natural Brazilian Carnauba wax provides a hard, long wearing finish. Slip-resistant wax for all fine wood furniture and floors, plus marble surfaces.

Stk.	Mfr.	Size	Price
<b>942738</b>	01016	1 lb.	<b>\$14.10</b>

**Beeswax**

**Dadant** Use to prevent burning on lathe projects by coating the lathe cup center thoroughly. Also used for coating wood screw threads for easier driving.

Stk.	Mfr.	Item	Qty.	Price
<b>314901</b>	W00203	Plug	1 oz.	<b>\$1.30</b>
<b>314900</b>	W00202	Block	1 lb.	<b>\$17.90</b>

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# GLUES & ADHESIVES



## Glue Guns

- Low temperature (250°) glue guns are ideal for delicate bonding of lace, foil, ribbon, floral foam & light weight fabric
- High temperature (380°) glue guns are ideal for strong bonding of wood, plastic, metal, ceramics, magnets, leather, paper & fabric
- Dual temperature (250° & 380°) glue guns are ideal for both delicate & strong bonds

### Surebonder Mini

Stk.	Mfr.	Operating Temp.	Watts	Glue Stick Dia.	Price
410900	DT-200	Dual	10	5/16" (.27")	<b>\$9.18</b>
410908	LT-160	Low	10	5/16" (.27")	<b>\$5.39</b>

### Surebonder Standard

410907	L-270	Low	40	7/16" (.43")	<b>\$8.50</b>
410915	H-270	High	40	7/16" (.43")	<b>\$8.50</b>
943203	H-280	High	60	7/16" (.43")	<b>\$17.00</b>
410905	DT-270	Dual	40	7/16" (.43")	<b>\$11.50</b>

**Stanley Standard** Includes on/off switch, 18 glue sticks, extender & spreader tips.

597345	GR20	High	30	.43" & .45"	<b>\$9.73</b>
597344	GR25	Dual	80	.43" & .45"	<b>\$14.90</b>
597394	GR100	Dual	80	.43" & .45"	<b>\$47.30</b>

## Glue Gun Sticks

### Surebonder 4" Standard Mini

Stk.	Mfr.	Item	Dia.	Size	Qty./Pkg.	Price
410936	DT-12	All Purpose Stik™	5/16"	4"L	12	<b>\$2.48</b>
410920	DT-25	All Purpose Stik™	5/16"	4"L	25	<b>\$4.10</b>
410930	725M54	All Purpose Stik™	5/16"	4"L	565	<b>\$44.70</b>

### Surebonder 4" Standard

410933	DT-6	All Purpose Stik™	7/16"	4"L	6	<b>\$2.43</b>
410935	DT-20	All Purpose Stik™	7/16"	4"L	20	<b>\$5.07</b>
410925	725R54	All Purpose Stik™	7/16"	4"L	225	<b>\$44.70</b>
410890	BS-12	Best Stik™	7/16"	4"L	12	<b>\$4.85</b>
410891	WS-12	Wood Stik™	7/16"	4"L	12	<b>\$4.85</b>

### Stanley 4" Dual Temperature

597346	GS15DT	All Purpose	.45"	4"L	6	<b>\$1.78</b>
597347	GS20DT	All Purpose	.45"	4"L	24	<b>\$4.61</b>

### Stanley 4" Hot Melt

597439	GS260	Woodworking	.45"	4"L	6	<b>\$3.46</b>
597459	GS500	Extra Strength	.45"	4"L	6	<b>\$3.46</b>

### Surebonder 10" Standard

410934	DT-8	All Purpose Stik™	7/16"	10"L	8	<b>\$5.07</b>
410932	725R510	All Purpose Stik™	7/16"	10"L	94	<b>\$44.80</b>



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Cindy Jungers ext. 3107  
cjungers@midwesttechnology.com

## Empty Glue Bottles



**Biscuit Slot Bottle** Specially-designed head allows accurate, quick and easy application of glue into biscuit slots.

Stk.	Mfr.	Size	Price
768902	825-4400	8 oz.	<b>\$4.20</b>

**Bottle w/Brush** The easy way to apply glue. Applicator brush provides complete control in applying glue to work.

Stk.	Mfr.	Size	Price
768900	825-4300	8 oz.	<b>\$7.56</b>

**Bottle w/Cap** Flexible, easy-to-squeeze plastic bottle is perfect for dispensing glue. Plastic cap keeps glue from drying out.

Stk.	Mfr.	Size	Price
944700	70147	12 oz.	<b>\$3.29</b>

## Gorilla Glue



**Gorilla Glue** Use for bonding wood, stone, metal, ceramics, plastics and more. It is a polyurethane glue that is perfect for both indoor and outdoor projects. Can be used throughout the year from 40° to 130°F. 90% dry in 1 to 4 hours.

Stk.	Mfr.	Size	Price
511329	50004	4 oz.	<b>\$10.80</b>
511330	50008	8 oz.	<b>\$17.80</b>
511331	50018	18 oz.	<b>\$27.50</b>
511332	50036	36 oz.	<b>\$42.50</b>

## Precision Pen



**Gorilla Glue** Long tip accurately reaches into tight, inaccessible spaces. Flow-control design. Fast curing formula for unrivaled strength. Pen slips into a tool belt, tool box or pocket for easy, on-the-go use. For indoor and outdoor use on foam, glass, wood, stone, metal, ceramic and more.

Stk.	Mfr.	Size	Price
511333	5201108	.75 oz.	<b>\$5.86</b>

## Gorilla Wood Glue



**Gorilla Glue** A hard-working, fast-curing, long-lasting wood glue formulated for hardwoods, softwoods and wood composites. Water-resistant and mildew-resistant for indoor and outdoor projects. Dries a natural color. Nontoxic. Easy water clean-up.

**FDA-approved for indirect food contact.**  
**ANSI/HPVA Type II water-resistance listed.**

Stk.	Mfr.	Size	Price
511336	6200002	8 oz.	<b>\$5.08</b>
511337	6205001	18 oz.	<b>\$7.33</b>

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### Titebond Original Wood Glue

**Franklin** Provides strong initial tack and fast speed of set to reduce clamp time. Develops a bond stronger than the wood itself, offers excellent sandability and is unaffected by finishes. Ideal for wood, hardboard, particleboard, leather, cloth and most other porous materials. Easy to use, non-toxic and cleans up with water.

Stk.	Mfr.	Size	Price
<b>413605</b>	506-3	1/2 Pt.	<b>\$4.35</b>
<b>413604</b>	506-4	Pt.	<b>\$6.90</b>
<b>413603</b>	506-5	Qt.	<b>\$11.20</b>
<b>413670</b>	506-6	Gal.	<b>\$25.40</b>



### Titebond II Premium Wood Glue

**Franklin** Ideal for exterior woodworking projects. Provides a strong initial tack, fast speed of set, superior strength and excellent sandability. First 1-part wood glue to pass ANSI Type II water-resistance and is FDA approved for indirect food contact. Ideal for radio frequency (RF) and hot press gluing systems. Easy cleanup with water.

Stk.	Mfr.	Size	Price
<b>413001</b>	500-3	1/2 Pt.	<b>\$4.88</b>
<b>413002</b>	500-4	Pt.	<b>\$8.10</b>
<b>413003</b>	500-5	Qt.	<b>\$13.00</b>
<b>413004</b>	500-6	Gal.	<b>\$29.50</b>



### Titebond III Ultimate Wood Glue

**Franklin** The first 1-part, water cleanup wood glue ever offered that is proven waterproof. The formula passes the ANSI/HPVA Type I water-resistance specification and offers superior bond strength, longer open assembly time and lower application temperature. It is non-toxic and solvent free. It provides strong initial tack, sands easily and is FDA

approved for indirect food contact (cutting boards). Ideal for both interior and exterior applications.

Stk.	Mfr.	Size	Price
<b>413009</b>	1413	1/2 Pt.	<b>\$6.81</b>
<b>413010</b>	1414	Pt.	<b>\$11.40</b>
<b>413011</b>	1415	Qt.	<b>\$16.40</b>
<b>413012</b>	1416	Gal.	<b>\$43.80</b>



### Glue-All Max Wood Glue

**Elmer's** Polyurethane glue permanently adheres most materials together with a strong, waterproof bond. Nonstainable glue is sandable and paintable when dry (1-4 hrs.). No mixing required. Cleanup with mineral spirits or acetone when wet.

Stk.	Mfr.	Size	Price
<b>257760</b>	E9415	4 oz.	<b>\$9.08</b>
<b>257761</b>	E9416	8 oz.	<b>\$13.00</b>



### Carpenter's Wood Glue Max

**Elmer's** Glue with real wood fibers for superior staining, painting and sanding. Waterproof glue (ANSI Type I) for all inside/outside woodworking projects. Strong initial tack and superior strength. Non-toxic, no harmful fumes and easy water cleanup.

Stk.	Mfr.	Size	Price
<b>257750</b>	E7300	8 oz.	<b>\$5.26</b>
<b>257751</b>	E7310	16 oz.	<b>\$7.90</b>
<b>257752</b>	E7330	Gal.	<b>\$36.80</b>



### ProBond Advanced™ Wood Glue

**Elmer's** Bonds metal, glass, ceramics, stone, wood, concrete and more. Light color translucent finish can be easily painted. Soap and water clean up when glue is wet. Scrape and sand when glue is dry. Set time 20-30 minutes. 100% weatherproof.

**Nonstainable.**

Stk.	Mfr.	Size	Price
<b>257946</b>	E7502	4 oz.	<b>\$7.48</b>
<b>257947</b>	E7503	8 oz.	<b>\$11.60</b>



### Carpenter's Interior Wood Glue

**Elmer's** Indoor glue for soft and hardwoods, particle board and porous materials. Nonstainable, light color glue for natural and light stained woods. Scrape and sand when dry (20-30 min.). Soap and water cleanup while wet.

Stk.	Mfr.	Size	Price
<b>257870</b>	E7000	4 oz.	<b>\$2.95</b>
<b>257872</b>	E7010	8 oz.	<b>\$4.30</b>
<b>257939</b>	E7020	16 oz.	<b>\$7.08</b>
<b>258006</b>	E7040	32 oz.	<b>\$11.70</b>
<b>258073</b>	E7050	Gal.	<b>\$25.30</b>



### Liquid Hide Wood Glue

**Franklin** Excellent bonding qualities and ease of use. Good for close grain woods. Excellent sandability.

Stk.	Mfr.	Size	Price
<b>413067</b>	501-3	1/2 Pt.	<b>\$7.36</b>



### Weldwood® Contact Cement

**Dap** Nonflammable, polychloroprene waterborne adhesive meets professional requirements. Dries within 40 min. Water resistant when dry. Low odor, easy water cleanup. VOC compliant.

Stk.	Mfr.	Size	Price
<b>942801</b>	25332	Qt.	<b>\$24.10</b>
<b>942889</b>	25336	Gal.	<b>\$71.30</b>

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### Contact Cement

**Elmer's** Neoprene rubber for an ultra flexible bond. Convenient, fast drying. Adheres to plastic, laminate, metal and wood. For indoor/outdoor use. Water resistant.

Stk.	Mfr.	Size	Price
257801	E1014	1 oz.	\$3.73



### Heavy-duty Construction Adhesive

**Liquid Nails** For interior and exterior use. Formulated to bond the heaviest materials including countertops, cabinets and shelving. Offers ultimate sheer strength exceeding 400 psi.

Stk.	Mfr.	Size	Price
943005	LN-901	10.5 oz.	\$4.90



### Glue-All® White Glue

**Elmer's** Fast-setting glue forms a transparent film. Perfect for school projects, crafts and light repair. Works on a variety of material.

Stk.	Mfr.	Size	Price
257299	E1322	4 oz.	\$1.92
257300	E1324	8 oz.	\$3.03
257301	E1321	16 oz.	\$7.39
257302	E1326	Gal.	\$20.70



### School Glue

**Elmer's** Washable, no-run school glue is easy to use and stays where it's put. Safe, non-toxic, easy cleanup.

Stk.	Mfr.	Size	Price
257310	E304	4 oz.	\$1.69
257311	E308	8 oz.	\$2.88
257312	E340	Gal.	\$19.40



### Glue Dispenser Pump

**Elmer's** For gallon bottle, allows smaller bottles to be filled economically & w/out mess.

Stk.	Mfr.	Price
257320	E343	\$27.30



### Model & Hobby Cement

**Elmer's** Convenient and fast-drying, sets in 30 seconds with a strong, invisible bond. Ideal for all plastic-to-plastic bonds, including polystyrene model plastic. Water resistant, will not shrink, low odor and paintable. For indoor use.

Stk.	Mfr.	Size	Price
257800	E1013	1 oz.	\$3.73



### Tacky Formula Modeling Glue

**Midwest Products** Flows easier from bottle for no waste. White glue is nontoxic & has no objectionable odors. For aviation, structures & transportation models.

Stk.	Mfr.	Size	Qty./Pkg.	Price
536310	362	1 oz.	24	\$25.00
536311	361	4 oz.	1	\$3.93



### Craft Bond Tacky Glue

**Elmer's** Durable, clear-drying wet tack glue offers long-lasting bond and post-drying flexibility. Glue won't run and is ideal for multi-purpose craft projects involving porous and semi-porous materials (not for photos, bare metal, submerged, heated surfaces, or outdoors). Easy water cleanup. Safe and non-toxic.

Stk.	Mfr.	Size	Price
257350	E430	4 oz.	\$2.35



### Rubber Cement

**Elmer's** Superior for adhering photos and detailed cut and paste projects. Excess glue rubs off cleanly and shows no wrinkles as it dries.

Stk.	Mfr.	Size	Price
196180	E904	4 oz.	\$2.54



### Scotch® Mega Glue Stick

**3M** Strong, fast-bonding, and no mess. Purple is easy to see when applied, but dries clear. Great for paper, fabrics, and other lightweight items. Non-toxic and acid free.

Stk.	Mfr.	Size	Price
590407	6108-MEGA	1.41 oz.	\$2.73



### All Purpose School Glue Sticks

**Elmer's** Easy-to-use glue offers smooth application and water cleanup. Goes on and dries clear. Nontoxic.

Stk.	Mfr.	Size	Qty.	Price
257740	E510	0.21 oz.	1	\$0.63
257630	E556	0.24 oz.	30	\$16.20
257627	E501	0.24 oz.	60	\$28.40



### Spray Adhesive

**Elmer's** Aerosol spray adhesive for general use when a strong, permanent bond is desired. Stronger tack, quick dry, dries clear, resists bleed through, will not swell or warp, water resistant, acid free. Conforms to ASTM D 4236. ACM Certified.

Stk.	Mfr.	Bond	Qty.	Price
257620	E451	Standard	11 oz.	\$7.78
257623	E456	Extra Strength	10 oz.	\$10.20





**High-Strength Spray Adhesive**

**Krylon** Permanent, high-strength adhesive w/extended open tack time (30 min. dry to touch, 3 hrs. dry to handle). Dries clear w/out bleed through, will not swell, wrinkle or warp, acid free & archival-safe. Use for wood, metal, wicker, plastic, glass, craft foam, plaster, ceramic, fabric, paper & paper mache.

Stk.	Mfr.	Qty.	Price
<b>943196</b>	7010	11 oz.	<b>\$8.26</b>



**Super 77™ Multipurpose Adhesive Aerosol**

**3M** High-tack, high-coverage and fast-drying adhesive with lower VOC formula. Bonds many foils, plastics, paper foams, paper, cardboard and metals to painted or unpainted metals, wood and hardboard. Fast, aggressive tack with strength to 10 psi. 220 sq./ft. per can. Heat resistant to 110°F. FDA acceptable (21 CFR 175.10).

Stk.	Mfr.	Size	Price
<b>590400</b>	77	16.5 oz.	<b>\$22.10</b>



**E6000® Spray Adhesive**

**Eclectic** Spray adhesive is a permanent, multi-purpose latex-based adhesive. It is strong, flexible, water-resistant, resists bleed-through and yellowing and works well on most all materials. Contains no VOCs, harsh chemicals or propellants.

Stk.	Mfr.	Size	Price
<b>375980</b>	562011	8 oz.	<b>\$13.20</b>



**2-Ton Flow Mix Epoxy**

**Devcon** Works on metal, wood, concrete, fiberglass, glass, china and ceramics. 2,500 psi bond strength, 30-min. set time. Dries clear. 2 instant mix nozzles automatically mixes epoxy for accurate and easy application and cleanup.

Stk.	Mfr.	Size	Price
<b>504432</b>	23145	0.47 oz.	<b>\$6.40</b>



**2-Ton Epoxy Glue**

**Devcon** Works on concrete, wood, metal, glass, ceramics, china, tile, and fixtures. Waterproof, dries clear.

Stk.	Mfr.	Size	Qty.	Price
<b>942735</b>	35345	1/2 oz. tube	2	<b>\$4.54</b>



**5-Minute Epoxy**

**Devcon** Fast, clear drying epoxy for metal, wood, glass, ceramics, china, fiberglass, tiles and fixtures.

Stk.	Mfr.	Size	Qty.	Price
<b>942700</b>	20545	1/2 oz. tube	2	<b>\$4.99</b>
<b>942732</b>	20945	4-1/4 oz. tube	2	<b>\$18.10</b>
<b>942737</b>	20845	25 ml. syringe	1	<b>\$5.27</b>



**KwikWood Epoxy Putty Stick**

**J-B Weld** Handmixable epoxy putty stick repairs and rebuilds anything made of wood (interior & exterior). Ideal for damaged or rotted sections of wood (i.e. doors hinges & jams, window sills, fences, shutters & more). Cures in 60 min. and can be drilled, tapped, sanded and painted or stained. Epoxy will not shrink, rot, crack or pull away.

Stk.	Mfr.	Size	Price
<b>943274</b>	8257	1 oz.	<b>\$10.30</b>



**Advanced Formula Instant Crazy Glue® Gel**

**Elmer's** Provides an extra strength and durable shock-resistant bond. No-run, no drip gel for gluing vertical surfaces and 2 mismatched surfaces. Best for porous materials (ceramic, pottery). Extended tip gets into tight spaces.

Stk.	Mfr.	Size	Price
<b>258109</b>	KG-484	4 grams	<b>\$3.84</b>



**Future Glue**

**Super Glue** Original Super Glue's next generation. Both formulas work on dirty, greasy surfaces, and resist high and low temps, plus most chemicals. Instantly bonds metal, rubber, most plastics, aluminum, ceramics, china, hard and soft wood, leather, pottery, jewelry, fingernails and more.

Stk.	Mfr.	Item	Size	Price
<b>504246</b>	15109	Regular Formula	2 grams	<b>\$1.16</b>
<b>504245</b>	15110	Gel Formula	2 grams	<b>\$1.16</b>



**Duco Cement**

**Duco** Tough, clear drying cement for wood, metal, glass, china and crafts.

Stk.	Mfr.	Size	Price
<b>942733</b>	62435	1 oz.	<b>\$2.94</b>



**Krazy Glue® Pen**

**Elmer's** Specially designed tip controls the amount of glue with no clogging, dripping or mess. Dries clear. Bonds plastic, metal, rubber, glass and ceramic.

Stk.	Mfr.	Size	Price
<b>258110</b>	KG-824	3 grams	<b>\$2.81</b>



**Krazy Glue® Gel**

**Elmer's** No run, no drip gel spreads evenly and works on vertical surfaces. Extra strength formula will fill gaps and voids. Bonds wood, soft leather, metal, rubber, glass, ceramic and semi-porous surfaces.

Stk.	Mfr.	Size	Price
<b>258111</b>	KG-866	2 grams	<b>\$2.81</b>

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**All-Purpose Instant Crazy Glue®****Elmer's** Bonds wood, rubber, glass, metal, plastic and ceramic.

Single-use tubes.

Stk.	Mfr.	Size	Qty.	Price
<b>258113</b>	KG58248SN	.5 oz.	4	<b>\$4.68</b>

Airtight, leak-proof cap. Base holds tube upright.

Stk.	Mfr.	Size	Qty.	Price
<b>258108</b>	KG585	2 grams	1	<b>\$2.43</b>

**Crazy Glue® for Wood & Leather****Elmer's** Original formula glue for porous wood, veneer, leather and vinyl surfaces. Glues

balsa wood in less than 15 seconds. 1-drop application creates a strong, long-lasting bond. Leak-proof, airtight case.

Stk.	Mfr.	Size	Price
<b>258112</b>	KG-821	2 grams	<b>\$2.43</b>

**Impact-Tough™ Formula****Gorilla Glue** Rubber particles increase impact-resistance and strength. Thick formula flows better for improved control. Dries in 30-60 sec. with no clamping. Anti-clog tip. Use on wood, plastic, glass, metal, ceramics and more.

Stk.	Mfr.	Size	Price
<b>511338</b>	7805002	15 grams	<b>\$6.35</b>

**Goop® All Purpose Glue****Goop** Strong, flexible adhesive bonds to practically anything with a waterproof hold. Use to fix broken vacuum cleaner attachments, towel racks, ceramic flowerpots, to seal worn/cracked water hoses, to adhere new handles onto garden tools and more. Won't crack or break. Withstands heat up to 150°F.

Stk.	Mfr.	Size	Price
<b>375900</b>	140232	1 oz.	<b>\$4.87</b>

**E-6000® Series Industrial Strength Adhesive****Goop** High performance strength in adhering metals, glass, rubber and plastics makes it a universal maintenance and repair adhesive. Provides adhesion strength and versatility not found in silicones and rubber cements. Self-leveling, flexible, chemical resistant, waterproof and paintable.

Stk.	Mfr.	Size	Price
<b>375920</b>	230022	3.7 oz.	<b>\$6.88</b>

**J-B Kwik Weld****J-B Weld** Bonding compound cures in 4 min. Withstands temperatures up to 300°. Cleans up with soap and water. Simple to use, just squeeze equal parts onto a mixing surface, mix thoroughly, and apply.

Stk.	Mfr.	Size	Qty.	Price
<b>942742</b>	8276	1 oz. tube	2	<b>\$7.81</b>

**J-B Original Cold Weld****J-B Weld** Perfect for any heavy duty adhesive job. Squeeze 2 separate tubes onto a mixing surface. Cures in 24 hours. Withstands temperatures up to 550°F. Tensile strength of

3,960 PSI.

Stk.	Mfr.	Size	Qty.	Price
<b>943292</b>	8265-S	1 oz. tube	2	<b>\$7.81</b>

**Plastic Welder****Devcon** Makes tough bonds on most plastics, steel, aluminum, wood and ceramics. This syringe plastic welder is high impact resistant and becomes set in 15 to 30 minutes. Dries cream colored.

Stk.	Mfr.	Size	Price
<b>942743</b>	22045	25 ml.	<b>\$5.73</b>

**MARKERS****Marks-A-Lot Permanent Marker****Avery** Regular chisel tip marker writes on

almost any surface including cardboard, metal and plastic. Works well indoors or out. Durable chisel tip writes in a variety of line widths. Rich, dark low-odor ink is quick drying, nontoxic, water and rub resistant.

**ACMI certified (conforms to ASTM D 4236).**

Stk.	Mfr.	Tip	Color	Qty.	Price
<b>942675</b>	17888	Chisel	Black	1	<b>\$1.60</b>

**Sharpie® Markers****Sharpie** Quick-drying, permanent markers for

the most hard-to-mark surfaces. Fade and water resistant. Nontoxic.

**Original**

Stk.	Mfr.	Tip	Color	Qty.	Price
<b>452770</b>	30101PP	Fine	Black	1	<b>\$1.43</b>
<b>452771</b>	30102PP	Fine	Red	1	<b>\$1.43</b>
<b>452772</b>	30103PP	Fine	Blue	1	<b>\$1.43</b>

**Metallic** Oil-based paint w/a glossy finish for any color background. For glass, metal, wood, rubber, stone, plastic, paper, vinyl, felt, canvas & more.

Stk.	Mfr.	Tip	Color	Qty.	Price
<b>452774</b>	39108PP	Fine	Silver	2	<b>\$3.85</b>

**Chisel** Wide tip for marking thick & thin lines.

Stk.	Mfr.	Tip	Color	Qty.	Price
<b>452775</b>	38262PP	Fine/ Broad	Black	2	<b>\$4.01</b>

**Ultra Fine Point**

Stk.	Mfr.	Tip	Color	Qty.	Price
<b>452780</b>	SN37001	Ultra Fine	Black	1	<b>\$2.10</b>

**Uni-Paint Marker Set****Sharpie** Six vivid, opaque oil-based paint markers ideal for painting or personalizing on glass, metal, wood, rubber, stone, plastic, paper, vinyl, leather, canvas and more. Fade, water and abrasion resistant. Medium bullet point. AP-certified nontoxic.**Includes** red, yellow, green, blue, black & white.

Stk.	Mfr.	Price
<b>452769</b>	63630	<b>\$20.20</b>

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### Crayola Classic Colors Marker Set

**Crayola** Broad-tip markers in 8 primary colors. Special ink easily washes from skin and clothing.

Stk.	Mfr.	Price
942691	58-7808	\$6.92



### Silly Scent™ Super-tip Markers

**Crayola** Versatile-tip markers in 20 pretty colors. Use fine tip at top for detail, and broad side for coloring. Each marker is uniquely scented. Won't smear on the page. Special ink easily washes from skin and clothing.

**Includes** plastic pouch.

Stk.	Mfr.	Price
943251	58-8106	\$7.35

## CALCULATORS



### 8-Digit Calculator

**Sharp** LCD display calculator with 3-key memory, plus square root and percent keys.

**Includes** battery.

Stk.	Mfr.	Price
482762	EL233SB	\$4.75



### 10-Digit Solar-powered Calculator

**Sharp** Independent 3-key memory, large keys, automatic constant, square root and 1-touch percent. Auto shut-off.

Stk.	Mfr.	Price
482761	EL-377TB	\$8.14



### Material Estimator Calculator

**Calculated Industries** Designed to estimate materials and costs for concrete, fences, decks, bricks, tile, flooring gravel, painting, drywall, paneling and more. Quickly and easily calculate material costs and allowances.

• Works directly in feet, inches, fractions, yards & meters including square & cubic format

- Solar & battery powered
- Calculate studs, board feet & cost per unit
- Linear, area & volume calculations
- Convert between all standard building math dimensions
- Define & store values for grout, tile, custom tiles, fence post spacing, board width, bags of concrete, paint coverage & more
- Time-saving utility functions: +, -, +/-, x, ÷, %, π, 1/x, x2, & √
- Memory & auto shut-off, paperless tape function
- 1-yr. mfr.'s limited warranty

Size 5.7"H x 3"W x .65"T. Weight 4.15 oz.

**Includes** 360° protective hard cover, English/Spanish pocket reference guide & 3V battery.

Stk.	Mfr.	Price
943311	4019	\$42.70



### Project Calculator

**Calculated Industries** Hand-held calculator helps students work directly in feet, inches, fractions, decimal fractions, yards and meters (including square & cubic formats). Converts between all standard math dimensions.

- Works as a standard math calculator
- Dedicated functions help students quickly estimate material amounts & calculate costs for paint, wallpaper, concrete & tile

• Solves reverse calculations (square feet per gal. of paint. etc.)

LCD segment display (1" x 2.25"), 11 digits (7 normal, 4 fractions) & annunciator-legends. 12 digit internal accuracy.

**Includes** 2 long-life LR-43 lithium batteries & easy-use manual.

Stk.	Mfr.	Price
942636	8510	\$26.70



### Trades Math & Conversion Calculator

**Calculated Industries** Designed for teaching technical trade math. Ideal for those in math-oriented trades needing an easy-to-use handheld calculator with applied math functions.

• Right triangle math, trigonometry, circle/arc, ratios & proportions, hexagon/polygon

- Calculate architectural, proper, mixed & improper fractions
- Solve dimensional math problems & convert between U.S. & metric
- Solve ratios, proportions & work w/exponents
- 1-yr. mfr.'s limited warranty

LCD display (0.73" x 2.56"), 15 digits (8 normal, 7 fractions) w/full annunciators. 12 digit internal accuracy. Overall dimensions 5.7" x 3.0" x 0.65".

**Includes** protective slide cover, reference guides & 3V long-life (CR2016) battery.

Stk.	Mfr.	Price
282010	4400	\$42.70



### Construction Master® Pro Calculator

**Calculated Industries** Calculator provides powerful built-in solutions and expanded preference settings. Easy to use in the field or shop. Perfect for completing plans, layouts, bids and estimates (saves time, money & materials).

• Built-in right-angle stair, roof & rafter solutions  
• Calculate area, volume, square-up, perimeter & more

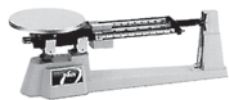
- Work in & convert between building dimensions (including metric)
- Stair layouts (tread, risers, stringer, stairwell, floor thickness)
- Figures arcs, area, circumference, segments & more
- Solutions for hip/valley, jacks, cutting angles & arched rake-walls
- Measurements for drywall (siding & panels), studs (on-center) & compound miter cuts
- 1-yr. mfr.'s limited warranty

LCD segment display (0.625" x 2.5"), 11 digits (7 normal, 4 fractions, full annunciators). 10-digit internal accuracy.

**Includes** 2 long-life 1.5V batteries, English & Spanish CD w/how-to videos, 3 guides (CD user guide, pocket-reference guide & easy-follow English user guide) & hard-slide case.

Stk.	Mfr.	Price
282000	4065	\$70.20

## SCALES



### Triple Beam Mechanical Balance

**Ohaus** Capable of weighing solids, liquids, powders or even animals. Provides the convenience of a top-loading scale with the durability and versatility to accommodate a range of lab needs.

- 3 notched & tiered beams w/center reading
- Spring-loaded zero adjust compensator

Size 18"L x 12"W x 9"H.

#### Removable stainless steel pan.

Stk.	Mfr.	Capacity	Readability	Price
<b>585200</b>	710-00	610 g	0.1 g	<b>\$221.00</b>

#### Stainless steel weighing plate.

Stk.	Mfr.	Capacity	Readability	Price
<b>585161</b>	750-SO	610 g	0.1 g	<b>\$162.00</b>

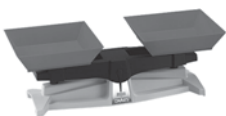


### 3-Piece Weight Set

**Ohaus** For use with Triple Beam Mechanical Balances.

**Includes** two 1kg. & one 500g.

Stk.	Mfr.	Price
<b>585195</b>	707-00	<b>\$61.90</b>



### School Balance

**Ohaus** Introduce elementary and middle school students to the science of metrology. Interchangeable red square pans are easily removable for pouring, cleaning and storing. Versatile unit measures small items such as paper clips, marbles and coins, plus heavier objects such as books. Durable polystyrene platform.

Size 11"L x 4"W x 4.5"H.

Stk.	Mfr.	Capacity	Readability	Price
<b>585235</b>	SB1200	2,000 g	0.5 g	<b>\$52.50</b>



### Scout® Pro Scales

**Ohaus** Designed for use in laboratory, industrial or education applications. Easy-to-use 2-button operation, high-contrast LCD display, multiple weighing units, multiple application modes.

- Mechanical & software protection against shock & overloading
- 4 weighing units - grams, ounces, troy ounces & pennyweights
- Enhanced parts counting, % weighing, totalization & display hold
- USB or RS232 connectivity - quick-installed option w/integral cable allows data connection to PC or printer (RS232 or USB)
- Integral weigh-below hook for density or specific gravity determination
- Removable stainless steel weighing platform, sealed front panel & molded spill ring
- Battery or AC power options

Size 8.27"L x 7.56"W x 2"H.

**Includes** shipping lock, theft-prevention security bracket, lock switch, data cable, round stainless steel platform, AC adapter (or 4 AA batteries, sold separately).

Stk.	Mfr.	Capacity	Readability	Price
<b>585250</b>	SP202	200 g	0.01 g	<b>\$424.00</b>
<b>585251</b>	SP401	400 g	0.1 g	<b>\$234.00</b>
<b>585252</b>	SP402	400 g	0.01 g	<b>\$594.00</b>



### CS Portable Balances

**Ohaus** Designed with a large high contrast display and an energy-saving auto shut-off. Portable scale has a low profile and is battery or AC powered. Features a low battery indicator, overload and underload indicators, rugged plastic construction, stainless steel platform and tactile feedback keypad.

Size 12"L x 6.75"W x 2"H.

**Includes** 3AA batteries & AC adapter.

Stk.	Mfr.	Capacity	Readability	Price
<b>585210</b>	CS200	200 g	0.1 g	<b>\$119.00</b>
<b>585212</b>	CS2000	2,000 g	1 g	<b>\$119.00</b>
<b>585214</b>	CS5000	5,000 g	2 g	<b>\$140.00</b>



### Valor™ 1000 Compact Scales

**Ohaus** Economical, multipurpose scale with an accumulation mode and multiple units of measure. Portable unit features fast response time, leveling capability and precision resolutions up to 7,500d.

- Removable, stainless steel weighing platform w/leveling adjustment
- Mid-profile ABS plastic housing (NSF certified, supports HACCP systems)
- 80-hr. internal, rechargeable battery (w/AC adapter)
- Digital external calibration software for weighing & check weighing
- Single or dual blue, easy-read LCD display w/selectable auto-off
- Quick-adjust leveling feet & front panel level bubble
- Weighs kilograms, pounds, grams & ounces

Size 10"L x 12"W x 4.3"H.

**Includes** AC adapter & 9V battery.

Stk.	Mfr.	Item	Capacity	Readability	Price
<b>585260</b>	VI IP3	Single Display	3,000 g	0.5 g	<b>\$218.00</b>
<b>585261</b>	VI IP3T	Dual Display	3,000 g	0.5 g	<b>\$223.00</b>



### Pull-type Spring Scale

**Ohaus** Great for general weighing (grams, oz., lbs., newtons), force experiments, action-reaction demonstrations and more. Economical scale features an internal spring mechanism, ABS housing with large metal face plate, pointer, spring and hook.

Stk.	Mfr.	Capacity	Readability	Price
<b>585149</b>	8265-MO	2,000 g	20 g	<b>\$19.80</b>

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## LOCKS



### 24" Chrome Bracket Mount Key-Bak®

**Key-Bak** Protect students and meet safety regulations with the retractable Key-Bak by mounting the chuck key to the drill press. Secure pocket-watch-size retractor to any flat surface using its metal bracket attachment. The textured-chrome case houses a 24" stainless steel chain allowing key or tool use at arm's

length and at any angle without detachment. The precision-made Key-Bak has a lifetime service policy.

**Large Swivel** Without split ring for larger items.

Stk.	Mfr.	Price
<b>494000</b>	7LSC	<b>\$15.10</b>

**Small Swivel** 1-1/8" split ring for holding small tools, instruments, etc.

Stk.	Mfr.	Price
<b>494002</b>	7	<b>\$14.10</b>



### Super 48" Key-Bak®

**Key-Bak** Case made from durable polycarbonate material. Carries up to 15 keys. Attachment to your belt is done either by a metal clip that can convert to a belt loop (with the enclosed pin) or a leather loop that slides onto a belt. Patented ball-joint feature secures the keys firmly in place.

Stk.	Mfr.	Item	Price
<b>494005</b>	S48K	Belt Clip / Loop	<b>\$15.90</b>
<b>494006</b>	S48-LEK	Leather Loop	<b>\$18.20</b>



### Disc Tumbler Locks

**National Lock** Five-disc tumbler lock of bright nickel. 1-3/4" x 1-1/2" body, each with a unique key.

Cylinder 15/16"L, 7/8" dia. Deadbolt travel 1 1/32". Center of Cylinder to edge 3/4".

**Includes** 2 keys with each lock.

### Disc Tumbler Lock

Stk.	Mfr.	Price
<b>591201</b>	C8703-KD-14A	<b>\$15.20</b>

**Master Keyed Disc Tumbler Lock** Same as above, but lock also has master-key option (Master key sold separately).

Stk.	Mfr.	Price
<b>591268</b>	C8703-MKKD-14A	<b>\$18.40</b>



### Cylinder Lock

**National Lock** Locks are master keyed with regular key changes. For doors with lipped or flush construction. 90° cam turn. Key can be removed in locked and unlocked positions. Bright nickel.

Cylinder 5/8"L. Max. material thickness 15/64".

### Cylinder Lock

Stk.	Mfr.	Price
<b>591134</b>	C8052-MKKD-14A	<b>\$15.20</b>

### Master Key

**National Lock** For Mfg. C8703-MKKD-14A & C8052-MKKD-14A.

Stk.	Mfr.	Price
<b>591000</b>	E41A	<b>\$5.66</b>



### Combination Locks

**Master Lock** BlockGuard® Anti-Shim Technology withstands attempts to violate the latch mechanism. Includes combination chart to facilitate lock system administration. Double-reinforced stainless steel body withstands abuse. Hardened steel shackle for extra cut resistance. 3-number dialing with automatic scrambling

feature to prevent reopening of lock.

**For security reasons, all Master combination locks are shipped direct from factory.**

### Non-Keyed Lock

Stk.	Mfr.	Body	Shackle	Price
<b>145067</b>	1502	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	<b>\$7.34</b>

**Keyed Lock** For supervisory access. Keyed Lock does not include Control Key. Please specify series number if trying to maintain control by present master key.

<b>145134</b>	1525	1-7/8"W	9/32" dia. x 3/4"H x 13/16"W	<b>\$8.22</b>
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### Control Key

<b>145000</b>	1525K			<b>\$4.49</b>
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### Laminated Padlocks

**Master Lock** Commercial grade padlocks feature superior protection from drilling and prying. Laminated steel body for superior strength. Hardened steel shackle for superior cut resistant. Dual locking levers provide extra pry resistance. Non-rekeyable cylinder helps prevent picking.

**Please specify Series No. if maintaining control w/present master key, may be priced slightly higher.**

**No. 7** Hardened boron shackle. Body 1-1/8"W. Shackle 3/16" dia. x 9/16"H x 1/2"W. Cylinder 4-pin W7.

Stk.	Mfr.	Item	Series No.	Price
<b>144984</b>	7	Keyed Different		<b>\$9.09</b>
<b>144987</b>	7KA	Keyed Alike	P605	<b>\$10.30</b>
<b>144988</b>	7MK	Master Keyed	M30	<b>\$15.10</b>
<b>144986</b>	K7	Master Key Only	M30	<b>\$4.38</b>

**No. 3** Body 1-9/16"W. Shackle 9/32" dia. x 3/4"H x 5/8"W. Cylinder 4-pin W1.

<b>144980</b>	3	Keyed Different		<b>\$10.40</b>
<b>144981</b>	3KA	Keyed Alike	3769	<b>\$12.60</b>
<b>144982</b>	3MK	Master Keyed	SM742	<b>\$17.40</b>
<b>144970</b>	K1	Master Key Only	SM742	<b>\$4.38</b>

**No. 1** Body 1-3/4"W. Shackle 5/16" dia. x 15/16"H x 3/4"W. Cylinder 4-pin W1.

<b>144950</b>	1	Keyed Different		<b>\$12.60</b>
<b>144951</b>	1KA	Keyed Alike	2510	<b>\$12.50</b>
<b>144952</b>	1KAMK	Master Keyed	AF	<b>\$18.10</b>
<b>144953</b>	K1	Master Key Only	AF	<b>\$4.38</b>

**No. 15** Body 2-1/2"W. Shackle 7/16" dia. x 1-1/4"H x 1-3/16"W. Cylinder 5-pin W15.

<b>144990</b>	15	Keyed Different		<b>\$27.20</b>
<b>144991</b>	15KA	Keyed Alike	10N150	<b>\$28.20</b>
<b>144992</b>	15MK	Master Keyed	M80	<b>\$31.70</b>
<b>144993</b>	K15	Master Key Only	M80	<b>\$4.38</b>

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## MAGNIFYING TOOLS



### Magnifier Lamp

**Alvin** 4" dia., 3-diopter fine-ground glass lens with 1.75 magnification. Spring-balanced arm w/36" reach. Handle on shade makes lens easy to position. Clamps on up to 2-1/4" thick surfaces. Metal clamp. Accepts 60W bulb (not included).

Stk.	Mfr.	Price
<b>482786</b>	ML100-B	<b>\$31.40</b>



### UltraTech Glass Magnifiers

**General** Magnifiers feature polished, optical glass lenses, precision ground for a distortion-free finish. Sturdy metal frame for field work or in confined, obstructed spaces. Versa-Grip comfort handle.

Stk.	Mfr.	Dia.	Price
<b>419821</b>	750542	3"	<b>\$13.20</b>
<b>419822</b>	750544	4"	<b>\$16.80</b>



### X-Tra Hands

**X-Acto** Double alligator spring clamps and double joints hold work firmly at any angle. 2x magnifier for close, exacting work to free hands for soldering, gluing and positioning.

Stk.	Mfr.	Price
<b>477084</b>	X75170	<b>\$18.70</b>



### Eye Loupe

**General** Professional quality eye loupe. Compact size with acute magnification. 5x optical glass magnifying lens for utmost clarity. For toolmakers, jewelers, instrument assemblers & others who need sharp, clear magnification without eyestrain. Clear optical glass lens is ground & polished 1" dia. lens 2" focal length.

Stk.	Mfr.	Price
<b>418815</b>	527	<b>\$8.43</b>

## SCISSORS



### Kleencut® Scissors

**Acme** Precision-ground, rust-resistant stainless steel blades. Traditional German design for right/left-hand use.

Stk.	Mfr.	Size	Price
<b>189000</b>	19016	6"	<b>\$7.84</b>
<b>189067</b>	19018	8"	<b>\$9.14</b>
<b>189068</b>	19019	9"	<b>\$11.80</b>



### Lightweight Scissors

**Acme** Versatile, lightweight trimmers made of corrosion-resistant, precision-ground stainless steel. Ergonomic plastic handles molded for right- and left-hand use.

Stk.	Mfr.	Size	Price
<b>189140</b>	44216	5"	<b>\$8.85</b>
<b>189141</b>	44217	7"	<b>\$9.39</b>



### Bent Handle Scissors

**Westcott** Corrosion-resistant steel, long-life scissors. Ergonomic handles work right- or left-handed. Bright-finished blades with inside, edge and bevel grinds to make them the sharpest.

Stk.	Mfr.	Size	Price
<b>189123</b>	43318	8"	<b>\$18.60</b>



### Economic Bent Handle

**Acme** General-purpose scissors with rust resistant steel blades and lightweight molded plastic handles.

Stk.	Mfr.	Size	Price
<b>189170</b>	10703	8"	<b>\$5.22</b>



### All Purpose Scissors

**Acme** Lightweight, durable, stainless steel blades are corrosion-resistant. Straight plastic handles can be used by left-handed or right-handed cutters.

Stk.	Mfr.	Size	Price
<b>189126</b>	13151	8"	<b>\$5.22</b>



### Titanium Bonded™ Scissors

**Westcott** Blades are 3x harder than stainless steel blades. Corrosion resistant, plus resists the stickiness of tape & glue. Contoured soft grip handles.

Stk.	Mfr.	Item	Size	Price
<b>189181</b>	13529	Straight	8"	<b>\$12.20</b>
<b>189180</b>	13526	Pointed	7"	<b>\$11.40</b>



### Easy Snip Utility Shears

**Wiss** Heavy-duty, spring-loaded shears with soft-grip handles reduce fatigue. Corrosion-resistant stainless blades with cutter for light ga. wire. Use in shop and for crafts. Safety lock.

Stk.	Mfr.	Size	Price
<b>307057</b>	WEZSNIP	8-1/2"	<b>\$13.70</b>



### Shop Shear

**Wiss** Heavy-duty, high leverage grip for right/left hand use. Corrosion-resistant stainless blades. Material gripping serrated lower blade with rope-cutting notch and blunt point. For cardboard, heavy fabric, rope, rubber, screening and more.

Stk.	Mfr.	Size	Price
<b>307056</b>	W912	10"	<b>\$16.30</b>

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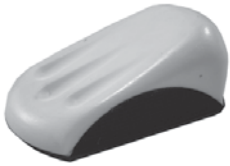
## SANDING BLOCKS & SPONGES



### Sanding Block

**NORTON** Hard but flexible rubber. Paper clamps easily and quickly. Sheet size 2-3/4" x 9".

Stk.	Mfr.	Price
608251	43140	<b>\$6.06</b>



### Ergonomic Palm Sander Disc Kit

**NORTON** Finger-grip indentations and curved design quickly convert a 5" dia. hook and loop disc into a comfortable palm sander for finishing flat surfaces. Sanding discs sold separately.

Stk.	Mfr.	Price
600511	03147	<b>\$24.10</b>



### Sanding Sponges

**NORTON** Flexible sanding sponge can be used for curved or flat surfaces. Convenient, easy-to-use wet or dry. Reusable and washable to eliminate loading for increased sanding life. Use on wood, paint, metal, plastic and drywall. Durable, lasts longer than sandpaper.

#### Small area sanding sponges

Stk.	Mfr.	Grit	Sponge Size	Qty.	Price
608522	49502	Fine/Medium	4" x 2-3/4" x 1"	1	<b>\$2.04</b>
608524	49504	Fine/Medium	4" x 2-3/4" x 1"	24	<b>\$37.80</b>
608523	49503	Medium/Coarse	4" x 2-3/4" x 1"	1	<b>\$2.04</b>
608525	49505	Medium/Coarse	4" x 2-3/4" x 1"	24	<b>\$37.80</b>

#### Contour sanding sponges

598952	00937	Extra Fine	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>
598953	00938	Fine	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>
598954	00939	Medium	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>

#### Flexible sanding sponges

598965	00946	Fine	3" x 4" x 1/2"	3	<b>\$2.34</b>
598967	00947	Medium	3" x 4" x 1/2"	3	<b>\$2.34</b>
598969	00948	Coarse	3" x 4" x 1/2"	3	<b>\$2.34</b>

#### Paint & drywall sanding sponges

598955	00941	Medium/Fine	4-7/8" x 2-7/8" x 1"	1	<b>\$4.38</b>
598957	00944	Medium/Fine	3-5/16" x 9" x 1"	1	<b>\$6.54</b>

## SANDING SHEETS

### MultiSand™ Clamp & Sand Sanding Sheets

**NORTON** For general purpose hand or machine sanding of wood, metal, plastic and fiberglass. Also for removing old paint.

#### Fine For final sanding or cleaning of surfaces.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
608350	48295	150	3-2/3" x 9"	6	<b>\$2.70</b>
608360	48353	150	4-1/2" x 11"	6	<b>\$3.21</b>

#### Medium For moderate removal of wood, light paint, varnish, or rust.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
608352	48310	100	3-2/3" x 9"	6	<b>\$2.70</b>
608361	48354	100	4-1/2" x 11"	6	<b>\$3.21</b>

#### Coarse For heavy removal of wood, coatings, or rust.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
608354	48325	60	3-2/3" x 9"	6	<b>\$2.87</b>
608362	48355	60	4-1/2" x 11"	4	<b>\$3.21</b>



### 3x High Performance Sandpaper

**NORTON** Superior sanding performance for premium surface finish. Excellent on all surfaces and coatings. Will not clog, tear or transfer color. Great cutting paper for reduced sanding time. 9" x 11" sheets. Open coat.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
600499	02632	400	20	<b>\$12.60</b>
600491	02633	320	20	<b>\$12.60</b>
600492	02636	220	20	<b>\$12.60</b>
600493	02637	180	20	<b>\$12.60</b>
600494	02638	150	20	<b>\$17.50</b>
600495	02639	120	20	<b>\$17.50</b>
600496	02640	100	20	<b>\$17.50</b>
600497	02641	80	20	<b>\$18.40</b>
600498	02642	60	20	<b>\$20.20</b>

### Garnet Sandpaper

**NORTON** For rough through finish hand sanding of softer woods and cabinet work. Use dry on bare wood prior to coating. Natural garnet abrasive is electro-coated on high tensile A, C, & D weight paper.

#### 9" x 11" Cabinet Paper

Stk.	Mfr.	Grit	Qty./Pkg.	Price
600055	01513	150-C	100	<b>\$54.20</b>
600056	01514	120-C	100	<b>\$54.20</b>
600057	01515	100-C	100	<b>\$54.20</b>
600058	01516	80-C	50	<b>\$32.70</b>
600059	01517	60-C	50	<b>\$36.10</b>
600060	01518	50-D	50	<b>\$41.70</b>

#### 9" x 11" Finish Paper

Stk.	Mfr.	Grit	Qty./Pkg.	Price
599742	01488	220-A	100	<b>\$50.00</b>
599809	01489	180-A	100	<b>\$50.00</b>
599876	01490	150-A	100	<b>\$50.00</b>
599943	01495	120-A	100	<b>\$50.00</b>
600010	01500	100-A	100	<b>\$50.00</b>
600015	01505	80-A	50	<b>\$27.80</b>

### E-Z Flex Metalite Cloth Sandpaper

**NORTON** For deburring, cleaning and polishing metal. Rugged aluminum oxide abrasive is electro-coated onto a flexible cloth backing. J weight flexible cloth. 9" x 11" sheets.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
600610	26331	400-J	50	<b>\$66.60</b>
600613	26332	320-J	50	<b>\$66.60</b>
600680	26334	240-J	50	<b>\$66.60</b>
600747	26336	180-J	50	<b>\$66.60</b>
600814	26337	150-J	50	<b>\$66.60</b>
600881	26338	120-J	50	<b>\$66.60</b>
600948	26339	100-J	50	<b>\$66.60</b>
601015	26340	80-J	25	<b>\$35.40</b>

## CAN'T FIND IT?

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**Tufbak Durite Sandpaper**

**NORTON** For sanding between primer coats and other finishes on wood or metal with water or other lubricants. Diamond-like close coat abrasive electro-coated to a tough, waterproof backing. 9" x 11" sheets.

**C weight paper**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>599090</b>	01150	180-C	50	<b>\$52.10</b>
<b>599095</b>	01155	150-C	50	<b>\$52.10</b>
<b>599100</b>	01160	120-C	50	<b>\$54.90</b>
<b>599105</b>	01165	100-C	50	<b>\$63.90</b>
<b>599110</b>	01170	80-C	50	<b>\$71.50</b>

**B weight paper**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>598995</b>	39360	600-B	50	<b>\$43.10</b>
<b>599000</b>	39361	500-B	50	<b>\$43.10</b>
<b>599005</b>	39362	400-B	50	<b>\$43.10</b>
<b>599020</b>	39364	320-B	50	<b>\$43.10</b>
<b>599072</b>	39365	280-B	50	<b>\$43.10</b>
<b>599085</b>	39367	220-B	50	<b>\$43.10</b>

**Adalox Sandpaper**

**NORTON** For sanding hardwood, metal and composites by hand or machine. Long-lasting aluminum oxide abrasive is open coat on high tensile A, C, or D weight paper.

**Economy Paper A weight paper: 9" x 10" sheets.**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>599408</b>	01380	fine	50	<b>\$15.30</b>
<b>599475</b>	01385	medium	50	<b>\$18.10</b>
<b>599542</b>	01390	coarse	50	<b>\$24.30</b>

**Production Paper C or D weight paper: 9" x 11" sheets.**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>598550</b>	00156	very fine 220-C	100	<b>\$41.40</b>
<b>598610</b>	00245	very fine 180-C	100	<b>\$54.20</b>
<b>598730</b>	00285	fine 150-C	100	<b>\$59.90</b>
<b>598737</b>	00290	fine 120-C	100	<b>\$59.90</b>
<b>598798</b>	00295	fine 100-C	100	<b>\$59.90</b>
<b>598804</b>	00315	medium 80-D	50	<b>\$35.70</b>
<b>598866</b>	00320	medium 60-D	50	<b>\$39.90</b>
<b>598871</b>	00325	coarse 50-D	50	<b>\$47.80</b>

**3X High Performance Stick & Sand Sandpaper Sheets**

**NORTON** Adhesive-backed sanding sheets provide superior sanding performance for a premium surface finish. Premium heat-treated aluminum oxide abrasive excellent on all surfaces and coatings. Will not clog, tear or transfer color.

4-1/2" x 4-1/2" sheets.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>598700</b>	06079	60 Coarse	4	<b>\$3.80</b>
<b>598701</b>	06078	100 Medium	4	<b>\$3.80</b>
<b>598702</b>	06077	150 Fine	4	<b>\$3.80</b>

**Sandpaper Storage Box**

**Shop Fox** Sandpaper storage box with 8 sliding trays is the perfect way to protect, sort and store standard sized sandpaper sheets. Open front trays allow easy sandpaper identification by either sight or feel. Each tray measures 10"W x 12"D and will hold up to 50 full size sandpaper sheets.

*Sandpaper sold separately.*

Stk.	Mfr.	Price
<b>785657</b>	D2927	<b>\$45.00</b>

**SANDING ROLLS****Metalite Roll Cloth Backed Sandpaper**

**NORTON** For general purpose sanding where flexibility and tear resistance are most important. Cloth backing provides increased strength and durability. Applications: hand strapping, light deburring, blending, removing machine tool marks, cleaning pipe & tubing.

J weight flexible cloth, 50 yds. long x 1" wide.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>601498</b>	26266	600-J	1	<b>\$32.70</b>
<b>601551</b>	26268	320-J	1	<b>\$32.70</b>
<b>601618</b>	26270	240-J	1	<b>\$32.70</b>
<b>601685</b>	26271	220-J	1	<b>\$32.70</b>
<b>601752</b>	26272	180-J	1	<b>\$32.70</b>
<b>601819</b>	26273	150-J	1	<b>\$32.70</b>
<b>601886</b>	26274	120-J	1	<b>\$32.70</b>
<b>601953</b>	26275	100-J	1	<b>\$32.70</b>
<b>602020</b>	26276	80-J	1	<b>\$33.80</b>
<b>602087</b>	27729	60-X	1	<b>\$40.10</b>

**MultiSand™ 4-1/2" Adhesive-backed Sanding Roll**

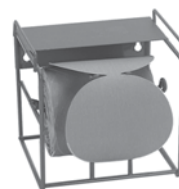
**NORTON** Attaches easily. Press & the adhesive mates w/the special pad for a tight, secure fit. Eliminate wasted paper used for clamping. Cut the length of paper needed.

Stk.	Mfr.	Grit	Size	Price
<b>636576</b>	49247	320	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636574</b>	49248	220	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636573</b>	49249	180	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636575</b>	49250	150	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636572</b>	49251	120	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636571</b>	49252	100	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636570</b>	49254	80	10 yd. x 4-1/2"W	<b>\$23.80</b>

**SANDING DISCS****5" Eight-Hole Hook & Loop Paper Sanding Discs**

**NORTON** Aluminum oxide discs with heavy-duty, tear resistant hook-and-loop backing.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>608478</b>	49155	220	4	<b>\$4.35</b>
<b>608496</b>	49218	220	25	<b>\$14.60</b>
<b>608497</b>	49219	180	25	<b>\$14.60</b>
<b>608479</b>	49156	150	4	<b>\$4.35</b>
<b>608502</b>	49220	150	25	<b>\$14.60</b>
<b>600489</b>	02208	120	4	<b>\$4.18</b>
<b>608498</b>	49221	120	25	<b>\$14.60</b>
<b>608481</b>	49157	100	4	<b>\$4.35</b>
<b>608501</b>	49222	100	25	<b>\$14.60</b>
<b>600490</b>	02209	80	4	<b>\$4.18</b>
<b>608499</b>	49223	80	25	<b>\$15.20</b>
<b>608480</b>	49158	60	4	<b>\$4.35</b>
<b>608500</b>	49224	60	25	<b>\$15.80</b>

**PSA Disc Roll Dispenser**

**NORTON** Individually dispenses & removes disc from roll. For 5" or 6" disc roll or sheet roll.

Stk.	Mfr.	Price
<b>608170</b>	42772	<b>\$84.60</b>



### Adhesive-backed Cloth Sanding Discs

**NORTON** Stick & Sand® aluminum oxide pressure-sensitive cloth discs. For rough sanding of primed and painted surfaces, stripping paints and primers, blending, leveling and finishing, sanding inside and outside corners, contours or flat surfaces, and heavy stock removal of wood, metal, plastic and fiber-glass.

Stk.	Mfr.	Dia.	Grit	Qty.	Price
<b>607062</b>	36600	10"	100	1	<b>\$4.66</b>
<b>607064</b>	36601	10"	80	1	<b>\$5.13</b>
<b>607065</b>	36602	10"	60	1	<b>\$5.34</b>
<b>607070</b>	36604	10"	40	1	<b>\$6.23</b>

### Close Coat Discs Adhesive-backed aluminum oxide cloth.

<b>600485</b>	01994	5"	120	2	<b>\$6.90</b>
<b>600486</b>	01996	5"	80	2	<b>\$6.90</b>
<b>600483</b>	01987	6"	120	2	<b>\$8.04</b>
<b>600488</b>	01989	6"	80	2	<b>\$8.04</b>
<b>607250</b>	36355	8"	120	1	<b>\$3.89</b>
<b>607254</b>	36354	8"	80	1	<b>\$4.14</b>
<b>607256</b>	36576	8"	60	1	<b>\$4.31</b>
<b>607258</b>	36351	8"	40	1	<b>\$4.85</b>
<b>600480</b>	01973	9"	120	2	<b>\$10.20</b>
<b>600481</b>	01975	9"	80	2	<b>\$10.20</b>
<b>606650</b>	36613	12"	120	1	<b>\$6.87</b>
<b>606652</b>	36614	12"	100	1	<b>\$6.87</b>
<b>606654</b>	36615	12"	80	1	<b>\$7.25</b>
<b>606655</b>	36620	12"	60	1	<b>\$7.75</b>
<b>606658</b>	36630	12"	40	1	<b>\$8.68</b>



#### Spray Adhesive

**Elmer's** Aerosol spray adhesive for general use when a strong, permanent bond is desired. Stronger tack, quick dry, dries clear, resists bleed through, will not swell or warp, water resistant, acid free. Conforms to ASTM D 4236. ACM Certified.

Stk.	Mfr.	Bond	Qty.	Price
<b>257620</b>	E451	Standard	11 oz.	<b>\$7.78</b>
<b>257623</b>	E456	Extra Strength	10 oz.	<b>\$10.20</b>



#### High-Strength Spray Adhesive

**Krylon** Permanent, high-strength adhesive w/extended open tack time (30 min. dry to touch, 3 hrs. dry to handle). Dries clear w/out bleed through, will not swell, wrinkle or warp, acid free & archival-safe. Use for wood, metal, wicker, plastic, glass, craft foam, plaster, ceramic, fabric, paper & paper mache.

Stk.	Mfr.	Qty.	Price
<b>943196</b>	7010	11 oz.	<b>\$8.26</b>



#### Super 77™ Multipurpose Adhesive Aerosol

**3M** High-tack, high-coverage and fast-drying adhesive with lower VOC formula. Bonds many foils, plastics, paper foams, paper, cardboard and metals to painted or unpainted metals, wood and hardboard. Fast, aggressive tack with strength to 10 psi. 220 sq./ft. per can. Heat resistant to 110°F. FDA acceptable (21 CFR 175.10).

Stk.	Mfr.	Size	Price
<b>590400</b>	77	16.5 oz.	<b>\$22.10</b>



#### Feathering Disc Adhesive

**3M** Allows multiple disc applications w/out buildup or paper delamination. Discs remove easily & cleanly.

Stk.	Mfr.	Size	Price
<b>590401</b>	08051	5 oz.	<b>\$24.90</b>

### Open Coat Abrasive Discs

**NORTON** Resist loading and provide more consistent cutting and finishing. Self-adhesive discs stay flat against sanding pad without wrinkling or tearing and avoid the uneven wear that shortens abrasive life.

#### 5" Adhesive

Stk.	Mfr.	Holes	Grit	Qty./Box	Price
<b>600474</b>	01647	5	220	50/roll	<b>\$16.20</b>
<b>600473</b>	01645	5	150	50/roll	<b>\$16.20</b>
<b>600472</b>	01644	5	120	50/roll	<b>\$16.20</b>
<b>600471</b>	01643	5	100	50/roll	<b>\$16.20</b>
<b>636540</b>	73-550-08-25	5	80	25	<b>\$15.20</b>
<b>600470</b>	01642	5	80	50/roll	<b>\$17.20</b>
<b>636549</b>	72-580-22-25	8	220	25	<b>\$13.00</b>
<b>636548</b>	72-580-18-25	8	180	25	<b>\$13.00</b>
<b>636547</b>	72-580-12-25	8	120	25	<b>\$13.00</b>
<b>636546</b>	72-580-10-25	8	100	25	<b>\$11.10</b>
<b>636545</b>	72-580-08-25	8	80	25	<b>\$13.00</b>
<b>608542</b>	49825	None	220	100/roll	<b>\$31.30</b>
<b>608541</b>	49827	None	150	100/roll	<b>\$31.30</b>
<b>608539</b>	49830	None	80	100/roll	<b>\$36.00</b>
<b>608504</b>	49232	None	220	50/roll	<b>\$16.20</b>
<b>608507</b>	49239	None	150	50/roll	<b>\$16.20</b>
<b>608505</b>	49236	None	100	50/roll	<b>\$16.20</b>
<b>608506</b>	49238	None	80	50/roll	<b>\$17.20</b>

#### 5" Hook & Loop

<b>636544</b>	73-550-22-25	5	220	25	<b>\$15.20</b>
<b>636543</b>	73-550-18-25	5	180	25	<b>\$15.20</b>
<b>636542</b>	73-550-12-25	5	120	25	<b>\$15.20</b>
<b>636541</b>	73-550-10-25	5	100	25	<b>\$13.60</b>
<b>600501</b>	04057	5 & 8	220	25	<b>\$14.70</b>
<b>600500</b>	04058	5 & 8	180	25	<b>\$14.70</b>
<b>600502</b>	04059	5 & 8	150	25	<b>\$14.70</b>
<b>600503</b>	04060	5 & 8	120	25	<b>\$14.70</b>
<b>600504</b>	04061	5 & 8	100	25	<b>\$14.70</b>
<b>600505</b>	04062	5 & 8	80	25	<b>\$15.30</b>
<b>600506</b>	04063	5 & 8	60	25	<b>\$15.90</b>
<b>608540</b>	49829	None	100	100/roll	<b>\$31.30</b>

#### 6" Adhesive

<b>608508</b>	49240	None	220	50/roll	<b>\$21.00</b>
<b>608509</b>	49242	None	150	50/roll	<b>\$21.00</b>
<b>608510</b>	49244	None	100	50/roll	<b>\$21.00</b>
<b>608511</b>	49246	None	80	50/roll	<b>\$23.40</b>

#### 6" Hook & Loop

<b>600452</b>	01635	6	220	25	<b>\$20.50</b>
<b>600451</b>	01634	6	150	25	<b>\$20.50</b>
<b>600450</b>	01633	6	100	25	<b>\$20.50</b>
<b>600453</b>	01636	6	80	25	<b>\$21.50</b>

### 20" Sanding Discs

**Shop Fox** Aluminum oxide sanding discs with top-quality pressure sensitive adhesive. No hole.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>785608</b>	D1345	120	2	<b>\$24.40</b>
<b>785607</b>	D1343	80	2	<b>\$16.00</b>
<b>785606</b>	D1342	60	2	<b>\$15.40</b>

### 5" Fiber Sanding Discs

**NORTON** Aluminum oxide discs with fiber backing for heavy metal removal, paint stripping, light deburring, finishing, weld grinding and blending. 5" dia x 7/8".

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>608544</b>	57276	24 Extra Coarse	1	<b>\$1.37</b>
<b>608545</b>	57277	36 Coarse	1	<b>\$1.24</b>
<b>608546</b>	57279	60 Medium	1	<b>\$1.07</b>
<b>608547</b>	57280	80 Fine	1	<b>\$1.05</b>

# SANDING DRUMS & SLEEVES

## Sanding Drums

**Clesco** Locks sanding sleeve securely in place. Tighten the nut/screw to expand the rubber cylinder for a strong hold. Great for straight or contour sanding of wood, metals & plastics. Use on electric drill, flexible shaft & drill press.

Stk.	Mfr.	Drum Dia.	Drum Width	Shank	Price
305380	D-832-2	1/2"	2"	1/4"	<b>\$3.62</b>
305384	D-1232-2	3/4"	2"	1/4"	<b>\$3.98</b>
305388	D-1632-2	1"	2"	1/4"	<b>\$4.29</b>
305392	D-2432-2	1-1/2"	2"	1/4"	<b>\$4.44</b>
305394	D-3224-2	2"	1-1/2"	1/4"	<b>\$5.17</b>
305396	D-4848-4	3"	3"	1/2"	<b>\$20.20</b>

## Sanding Sleeves

**Clesco** Aluminum oxide on X weight paper, resin-bonded with cloth backing.

Stk.	Mfr.	Drum Dia.	Drum Width	Grit	Qty.	Price
305112	696-50X	3/8"	6"	50	1	<b>\$2.44</b>
305113	696-80X	3/8"	6"	80	1	<b>\$2.44</b>
305114	696-120X	3/8"	6"	120	1	<b>\$2.44</b>
305096	488-50X	1/4"	5-1/2"	50	1	<b>\$2.24</b>
305097	488-80X	1/4"	5-1/2"	80	1	<b>\$2.24</b>
305098	488-120X	1/4"	5-1/2"	120	1	<b>\$2.24</b>
305120	832-50X	1/2"	2"	50	1	<b>\$0.70</b>
305121	832-80X	1/2"	2"	80	1	<b>\$0.68</b>
305122	832-120X	1/2"	2"	120	1	<b>\$0.68</b>
305129	872-50X	1/2"	4-1/2"	50	1	<b>\$1.88</b>
305130	872-80X	1/2"	4-1/2"	80	1	<b>\$1.80</b>
305131	872-120X	1/2"	4-1/2"	120	1	<b>\$1.80</b>
305137	888-50X	1/2"	5-1/2"	50	1	<b>\$2.44</b>
305138	888-80X	1/2"	5-1/2"	80	1	<b>\$2.44</b>
305139	888-120X	1/2"	5-1/2"	120	1	<b>\$2.44</b>
305146	896-50X	1/2"	6"	50	1	<b>\$2.44</b>
305147	896-80X	1/2"	6"	80	1	<b>\$2.44</b>
305148	896-120X	1/2"	6"	120	1	<b>\$2.44</b>
305164	1088-50X	5/8"	5-1/2"	50	1	<b>\$2.61</b>
305165	1088-80X	5/8"	5-1/2"	80	1	<b>\$2.44</b>
305166	1088-120X	5/8"	5-1/2"	120	1	<b>\$2.61</b>
305157	1096-50X	5/8"	6"	50	1	<b>\$2.61</b>
305158	1096-80X	5/8"	6"	80	1	<b>\$2.61</b>
305159	1096-120X	5/8"	6"	120	1	<b>\$2.61</b>
305170	1232-50X	3/4"	2"	50	1	<b>\$0.70</b>
305171	1232-80X	3/4"	2"	80	1	<b>\$0.68</b>
305172	1232-120X	3/4"	2"	120	1	<b>\$0.68</b>
305179	1272-50X	3/4"	4-1/2"	50	1	<b>\$1.88</b>
305180	1272-80X	3/4"	4-1/2"	80	1	<b>\$1.88</b>
305181	1272-120X	3/4"	4-1/2"	120	1	<b>\$1.88</b>
305312	12144-50X	3/4"	9"	50	1	<b>\$4.32</b>
305309	12144-80X	3/4"	9"	80	1	<b>\$4.32</b>
305308	12144-120A	3/4"	9"	120	1	<b>\$4.32</b>
305200	1632-50X	1"	2"	50	1	<b>\$0.87</b>
305201	1632-80X	1"	2"	80	1	<b>\$0.87</b>
305202	1632-120X	1"	2"	120	1	<b>\$0.87</b>
305209	1672-50X	1"	4-1/2"	50	1	<b>\$1.88</b>
305210	1672-80X	1"	4-1/2"	80	1	<b>\$1.88</b>
305211	1672-120X	1"	4-1/2"	120	1	<b>\$1.88</b>
305315	16144-50X	1"	9"	50	1	<b>\$5.52</b>
305316	16144-80X	1"	9"	80	1	<b>\$5.52</b>
305317	16144-120X	1"	9"	120	1	<b>\$6.25</b>
305230	2432-50X	1-1/2"	2"	50	1	<b>\$0.87</b>
305231	2432-80X	1-1/2"	2"	80	1	<b>\$0.82</b>
305232	2432-120X	1-1/2"	2"	120	1	<b>\$0.76</b>
305239	2472-50X	1-1/2"	4-1/2"	50	1	<b>\$2.44</b>

Stk.	Mfr.	Drum Dia.	Drum Width	Grit	Qty.	Price
305240	2472-80X	1-1/2"	4-1/2"	80	1	<b>\$2.44</b>
305241	2472-120X	1-1/2"	4-1/2"	120	1	<b>\$2.44</b>
305274	2488-50X	1-1/2"	5-1/2"	50	1	<b>\$3.08</b>
305275	2488-80X	1-1/2"	5-1/2"	80	1	<b>\$3.28</b>
305276	2488-120X	1-1/2"	5-1/2"	120	1	<b>\$3.08</b>
305322	24144-50X	1-1/2"	9"	50	1	<b>\$5.02</b>
305323	24144-80X	1-1/2"	9"	80	1	<b>\$5.18</b>
305324	24144-120X	1-1/2"	9"	120	1	<b>\$5.60</b>
305254	2832-50X	1-3/4"	2"	50	1	<b>\$1.45</b>
305256	2832-120X	1-3/4"	2"	120	1	<b>\$1.73</b>
305260	3224-50X	2"	1-1/2"	50	1	<b>\$0.87</b>
305261	3224-80X	2"	1-1/2"	80	1	<b>\$0.87</b>
305262	3224-120X	2"	1-1/2"	120	1	<b>\$0.87</b>
305269	3272-50X	2"	4-1/2"	50	1	<b>\$2.75</b>
305270	3272-80X	2"	4-1/2"	80	1	<b>\$2.75</b>
305271	3272-120X	2"	4-1/2"	120	1	<b>\$2.94</b>
305277	3288-50X	2"	5-1/2"	50	1	<b>\$3.98</b>
305278	3288-80X	2"	5-1/2"	80	1	<b>\$3.98</b>
305279	3288-120X	2"	5-1/2"	120	1	<b>\$3.98</b>
305332	32144-50X	2"	9"	50	1	<b>\$5.72</b>
305333	32144-80X	2"	9"	80	1	<b>\$5.72</b>
305334	32144-120X	2"	9"	120	1	<b>\$5.72</b>
305233	4848-50X	3"	3"	50	1	<b>\$2.24</b>
305234	4848-80X	3"	3"	80	1	<b>\$2.24</b>
305235	4848-120X	3"	3"	120	1	<b>\$2.08</b>
305289	4872-50X	3"	4-1/2"	50	1	<b>\$3.98</b>
305290	4872-80X	3"	4-1/2"	80	1	<b>\$3.81</b>
305291	4872-120X	3"	4-1/2"	120	1	<b>\$3.98</b>
305296	4888-50X	3"	5-1/2"	50	1	<b>\$5.02</b>
305297	4888-80X	3"	5-1/2"	80	1	<b>\$5.18</b>
305298	4888-120X	3"	5-1/2"	120	1	<b>\$5.02</b>
305342	48144-50X	3"	9"	50	1	<b>\$7.59</b>
305343	48144-80X	3"	9"	80	1	<b>\$7.06</b>
305344	48144-120X	3"	9"	120	1	<b>\$7.06</b>

## 4" x 9" Sanding Sleeves

**Woodstock** Aluminum oxide hard sanding sleeves.

Stk.	Mfr.	Drum Dia.	Drum Width	Grit	Qty.	Price
785603	D1505	4"	9"	60	1	<b>\$13.50</b>
785604	D1506	4"	9"	80	1	<b>\$13.50</b>
785605	D1508	4"	9"	120	1	<b>\$13.50</b>

## Sanding Drum Kits

**Clesco** For sanding, polishing and finishing, plus grinding curves, corners, flat surfaces or irregular shapes. Drums have 1/4" shank dia. drums (except 1/2" x 1/2" with 1/8" dia.) that permits drum to be used on most rotary tools (i.e. Dremel & Foredom) with smaller chuck capacities or 1/8" collets. Spiral bound, cloth backed, aluminum oxide abrasive sheets dissipate heat quickly, reduce burning on wood and can handle heavy loads.

**15-Piece Includes** 5 regular drums (1/2" x 1/2", 3/4" x 1", 1" x 1", 1-1/2" x 1-1/2", 2" x 1-1/2"), 10 sleeves (1 fine 120 grit & 1 coarse 50 grit for ea. drum size) & box.

Stk.	Mfr.	Price
305400	SDK-1	<b>\$19.70</b>

**28-Piece Includes** 4 extra long drums (1/2" x 2", 3/4" x 2", 1" x 2" & 1-1/2" x 2") & 24 sleeves (6 medium 80 grit for ea. drum size).

Stk.	Mfr.	Price
305401	SDK-28	<b>\$21.10</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

## SANDING BELTS

### Aluminum Oxide Abrasive Sanding Belts

**Quantity Savings!**

**Norton Close Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
603428	20910	1"W x 42"L	40	1	\$3.43	
603429	20905	1"W x 42"L	50	1	\$3.12	
603430	20900	1"W x 42"L	60	1	\$3.06	
603431	20895	1"W x 42"L	80	1	\$2.95	
603432	20890	1"W x 42"L	100	1	\$2.84	
603433	20885	1"W x 42"L	120	1	\$2.84	
603434	20880	1"W x 42"L	150	1	\$2.45	
603435	20875	1"W x 42"L	180	1	\$2.84	
603436	20871	1"W x 42"L	220	1	\$2.45	
603437	20870	1"W x 42"L	240	1	\$2.51	
603438	20865	1"W x 42"L	320	1	\$2.51	

**Ali Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
943287	3212	1"W x 30"L	50	3	\$6.24	
943286	3211	1"W x 30"L	80	3	\$6.24	
943285	3210	1"W x 30"L	120	3	\$6.24	

**Surf-Pro Close Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
682870	SP10B02042040A	2"W x 42"L	40	1	\$7.23	
682871	SP10B02042060A	2"W x 42"L	60	1	\$6.32	
682872	SP10B02042080A	2"W x 42"L	80	1	\$5.98	
682873	SP10B02042120A	2"W x 42"L	120	1	\$5.72	

**Kalamazoo Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
491150	KB46050	4"W x 60"L	50	1	\$21.50	
491151	KB46080	4"W x 60"L	80	1	\$21.50	
491152	KB460100	4"W x 60"L	100	1	\$21.50	

**Norton Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
604105	27927	3"W x 21"L	40	1	\$3.19	\$2.87
604103	27926	3"W x 21"L	50	1	\$3.08	\$2.77
604036	27925	3"W x 21"L	60	1	\$2.69	\$2.42
603969	27924	3"W x 21"L	80	1	\$2.55	\$2.29
603902	27923	3"W x 21"L	100	1	\$2.48	\$2.23
603833	27922	3"W x 21"L	120	1	\$2.48	\$2.23
604840	27937	3"W x 24"L	40	1	\$3.07	\$2.78
604773	27936	3"W x 24"L	50	1	\$2.96	\$2.66
604706	27935	3"W x 24"L	60	1	\$2.89	\$2.59
604639	27934	3"W x 24"L	80	1	\$2.79	\$2.49
604572	27933	3"W x 24"L	100	1	\$2.64	\$2.38
604505	27932	3"W x 24"L	120	1	\$2.64	\$2.38
605514	27947	4"W x 24"L	40	1	\$5.00	\$4.50
605512	27946	4"W x 24"L	50	1	\$4.81	\$4.33
605510	27945	4"W x 24"L	60	1	\$4.66	\$4.19
605442	27944	4"W x 24"L	80	1	\$4.41	\$3.70
605376	27943	4"W x 24"L	100	1	\$4.25	\$3.82
605309	27942	4"W x 24"L	120	1	\$4.25	\$3.82
604525	27962	4"W x 36"L	40	1	\$8.26	
604522	27961	4"W x 36"L	50	1	\$7.68	
604524	27960	4"W x 36"L	60	1	\$7.66	
604521	27959	4"W x 36"L	80	1	\$7.25	
604523	27958	4"W x 36"L	100	1	\$7.11	

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
604520	27957	4"W x 36"L	120	1	\$7.11	
606438	27987	6"W x 48"L	36	1	\$12.80	\$11.50
606437	27986	6"W x 48"L	40	1	\$12.20	\$11.00
606385	27985	6"W x 48"L	50	1	\$11.70	\$10.50
606380	27984	6"W x 48"L	60	1	\$11.20	\$10.10
606371	27983	6"W x 48"L	80	1	\$10.80	\$9.72
606314	27982	6"W x 48"L	100	1	\$10.40	\$9.36
606305	27981	6"W x 48"L	120	1	\$10.40	\$9.36
608533	60059	6"W x 89"L	40	1	\$21.40	
608532	60061	6"W x 89"L	60	1	\$24.80	
608528	60062	6"W x 89"L	80	1	\$23.70	
608531	60063	6"W x 89"L	100	1	\$22.80	
608529	60064	6"W x 89"L	120	1	\$22.80	
608536	60081	6"W x 108"L	60	1	\$26.10	
608526	60082	6"W x 108"L	80	1	\$24.90	
608537	60083	6"W x 108"L	100	1	\$23.80	
608527	60084	6"W x 108"L	120	1	\$23.80	
608320	46737	9"W x 138"L	150	1	\$61.00	
608321	49196	9"W x 138"L	80	1	\$63.00	
608602	60331	25"W x 60"L	60	1	\$64.80	
608603	60332	25"W x 60"L	80	1	\$59.70	
608604	60333	25"W x 60"L	100	1	\$56.30	
608605	60334	25"W x 60"L	120	1	\$56.30	
608607	60336	25"W x 60"L	180	1	\$56.30	
608589	60351	25"W x 75"L	60	1	\$74.90	
608590	60352	25"W x 75"L	80	1	\$69.10	
608591	60353	25"W x 75"L	100	1	\$65.20	
608592	60354	25"W x 75"L	120	1	\$65.20	
608610	60498	37"W x 60"L	36	1	\$73.00	
608614	60501	37"W x 60"L	60	1	\$59.20	
608616	60502	37"W x 60"L	80	1	\$54.60	
608618	60503	37"W x 60"L	100	1	\$51.50	
608620	60504	37"W x 60"L	120	1	\$51.50	
608622	60506	37"W x 60"L	180	1	\$51.50	
608594	60521	37"W x 75"L	60	1	\$74.20	
608595	60522	37"W x 75"L	80	1	\$68.40	
608596	60523	37"W x 75"L	100	1	\$64.40	
608597	60524	37"W x 75"L	120	1	\$64.40	

### Porter-Cable Aluminum Oxide Abrasive Open Coat Belt

**PORTER+CABLE** Aluminum oxide abrasive belts, resin-bonded on X weight cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price
636500	712400605	2-1/2"W x 14"L	60	5	\$10.20
636501	712400805	2-1/2"W x 14"L	80	5	\$10.20
636502	712401005	2-1/2"W x 14"L	100	5	\$10.20
636503	712401205	2-1/2"W x 14"L	120	5	\$10.20



### 3X High Performance Sanding Belts

**NORTON** Zirconia alumina self-sharpening abrasive belts. Reduced loading. Runs in both directions.

Stk.	Mfr.	Size	Grit	Qty.	Price
601300	03995	3"W x 21"L	50	1	\$4.71
605983	49265	3"W x 21"L	50	5	\$17.30
601301	03996	3"W x 21"L	80	1	\$4.34
605982	49264	3"W x 21"L	80	5	\$16.00
601302	03997	3"W x 21"L	120	1	\$4.19
605980	49262	3"W x 21"L	120	5	\$15.60
601303	03999	3"W x 24"L	50	1	\$5.03
605988	49271	3"W x 24"L	50	5	\$17.80
601304	04000	3"W x 24"L	80	1	\$4.65
605987	49270	3"W x 24"L	80	5	\$17.20
601305	04001	3"W x 24"L	120	1	\$4.47
605985	49268	3"W x 24"L	120	5	\$16.70
601306	04003	4"W x 24"L	50	1	\$7.85
605993	49277	4"W x 24"L	50	5	\$28.80
601307	04004	4"W x 24"L	80	1	\$7.11
605992	49276	4"W x 24"L	80	5	\$27.00
601308	04005	4"W x 24"L	120	1	\$6.90
605990	49274	4"W x 24"L	120	5	\$26.20



#### Belt & Disc Cleaner

**Woodstock** Pro-Stik® cleans all belts and discs for longer life. Improves finish quality. Quick, easy to use. For belt & disc sanders.

Stk.	Mfr.	Size	Price
786800	W1305	1-3/8" x 1-3/8" x 8-1/2"	\$9.32
786802	W1307	2" x 2" x 12"	\$18.00

#### Wide Belt & Drum Cleaner

**Woodstock** Pro-Stik® abrasive rubber pad cleaner offers easy solution for unloading abrasives on belts & drums.

Stk.	Mfr.	Size	Price
786900	D3003	15" x 20" x 1-1/8"	\$107.00

## STEEL WOOL



#### Steel Wool

**Rhodes** An all-natural and environmentally friendly product. Steel wool is the appropriate abrasive for use with all solvent-based products as well as water-based refinishes and strippers. Its flexible nature, exceptional abrasive qualities, and cost benefits allow steel wool to far outperform synthetic alternatives.

Stk.	Mfr.	Description	Qty.	Price
978010	I0120000	#4/0 Super Fine	12	\$4.23
978011	I0121000	#3/0 Extra Fine	12	\$4.13
978012	I0121100	#2/0 Very Fine	12	\$3.63
978013	I0121110	#1/0 Fine	12	\$3.50
978014	I0121111	#1 Medium	12	\$3.47
978015	I0121112	#2 Medium Coarse	12	\$3.24
978016	I0121113	#3 Coarse	12	\$3.24



#### Synthetic Steel Wool

**3M** Unlike regular steel wool, these pads won't rust or splinter. Simply rinse and reuse.

Stk.	Mfr.	Description	Size	Qty.	Price
942891	I0118	#000 Extra Fine	2" x 4"	6	\$4.62
942890	I0120	#0 Fine	2" x 4"	6	\$4.62
942892	I0116	#2 Medium	2" x 4"	6	\$4.62
942893	I0115	#3 Coarse	2" x 4"	6	\$4.62

## SHARPENING STONES



#### Tool & Knife Sharpening System

**NORTON** The compact, self-contained 3-stone system is optimized for general sharpening of woodworking tools, cutlery and small knives. The base is an oil reservoir permitting continuous submersion of the 2 unused stones keeping them cleaned and saturated. Rotate the handle

to expose 1 of the 3 mounted stones. Coarse Crystolon restores worn edges, medium India stone produces an average edge and the fine India stone hones for sharper edge. Sharpening stone is factory pre-filled with lubricating oil, making it easy for 3-4 drops of stone oil (sold separately) to float away particles of steel.

**Includes** multi-stone (coarse, medium & fine, ea. 1.5" x 2" x 6") w/holding assembly, reservoir base, Norton sharpening oil (4-1/2 oz.) & instructions.

Stk.	Mfr.	Price
608645	85356	\$86.80

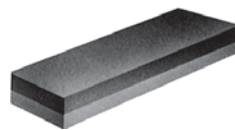


#### Multi-Oilstone Sharpening System

**NORTON** An 11.5"L stone with coarse, medium and fine grits permits long sweeping strokes for faster, more precise sharpening and honing of all large, wider straight-edge tools. Use the system by pouring oil into the reservoir and turning the stone holding assembly so that the sharpening stone is submerged in oil. As progressing from grit to grit, the oiled stone is ready for use. Coarse Crystolon restores worn edges, medium Crystolon produces an average edge and the fine India stone hones for sharper edge. Sharpening stone is factory pre-filled with lubricating oil, making it easy for 3-4 drops of stone oil (sold separately) to float away particles of steel.

**Includes** multi-stone (coarse, medium & fine, ea. 1.5" x 2.5" x .5") w/holding assembly, reservoir unit, wedge guide, 16 oz. Norton sharpening oil, instructions & cover.

Stk.	Mfr.	Price
608810	85960	\$214.00



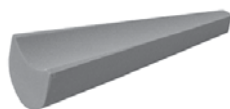
#### India Oil Stones

**NORTON** Aluminum oxide stone for producing sharp edges on chisels, edge tools and plane blades, plus for cleaning, deburring. Coarse/fine combination bench stone.

Stk.	Mfr.	Size	Price
608787	85560	2" x 1" x 6"	\$24.40
608854	85565	2" x 1" x 8"	\$28.90

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### Lathe Gouge Stone

**NORTON** Special shape to hone the inside of gouges and touch up the outside. Sharpening groove 1/2" to 3/8".

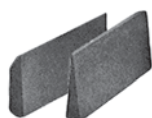
Stk.	Mfr.	Size	Price
<b>609323</b>	87305	2" x 1" x 6"L	<b>\$31.80</b>

### Slip Stones

**NORTON** Oil-filled stone with a round edge.



Stk.	Mfr.	Item	Size	Price
<b>608921</b>	87090	Fine Grit	4-1/2" x 1-3/4" x 3/16"	<b>\$14.60</b>
<b>608988</b>	87095	Medium Grit	4-1/2" x 1-3/4" x 3/16"	<b>\$14.60</b>



### India Carving Tool Slips

**NORTON**

**609122 609256**

Stk.	Mfr.	Size	Price
<b>609122</b>	87220	2-1/4" x 7/8" x 3/16"	<b>\$11.00</b>
<b>609256</b>	87230	2-1/4" x 7/8" x 3/16"	<b>\$11.00</b>



### Sharpening Stone Oil

**NORTON** For use with all sharpening stones to help reduce particle build-up on the stone surface.

Stk.	Mfr.	Size	Price
<b>609457</b>	87760	4-1/2 oz.	<b>\$6.94</b>
<b>609524</b>	87775	1 qt.	<b>\$19.50</b>

## WOOD FILLERS



### Carpenter's Interior Wood Filler Tube

**Elmer's** For filling holes and repairing gouges. Dries to a hard durable surface in 12-24 hrs. Sands easily to a smooth finish. Resists shrinking and cracking. Easy water clean-up. Solvent free.

Stk.	Mfr.	Color	Size	Price
<b>258018</b>	E855	White	3.25 oz.	<b>\$3.06</b>
<b>258019</b>	E859	Walnut	3.25 oz.	<b>\$3.06</b>
<b>258020</b>	E860	Red oak	3.25 oz.	<b>\$3.06</b>
<b>258021</b>	E861	Golden Oak	3.25 oz.	<b>\$3.06</b>
<b>258022</b>	E864	Mahogany	3.25 oz.	<b>\$3.06</b>
<b>258023</b>	E868	Natural	3.25 oz.	<b>\$3.06</b>



### Carpenter's Interior Wood Filler

**Elmer's** Paintable wood filler. Can be sanded, drilled, nailed and screwed. Easy to apply and easy water cleanup. Dries to a hard durable surface.

Stk.	Mfr.	Size	Price
<b>258010</b>	E847	4 oz.	<b>\$3.06</b>
<b>258011</b>	E848	8 oz.	<b>\$4.54</b>
<b>258012</b>	E849	16 oz.	<b>\$6.50</b>
<b>258008</b>	E842L	32 oz.	<b>\$8.27</b>



### Color Change Interior Wood Filler

**Elmer's** Wood filler goes on pink and dries natural or white when ready to paint, stain or sand. Fix holes, dents, scratches, gouges and any other defects on interior wood surfaces. Non-toxic.

Stk.	Mfr.	Color	Size	Price
<b>257355</b>	E913	Natural	8 oz.	<b>\$5.40</b>
<b>257356</b>	E914	Natural	16 oz.	<b>\$8.16</b>
<b>257357</b>	E916	White	8 oz.	<b>\$5.40</b>
<b>257358</b>	E917	White	16 oz.	<b>\$8.16</b>



### Interior/Exterior Wood Patch

**Zar** Latex compound fills nail holes, repairs cracks, gouges, broken corners and chipped edges on wood surfaces. Accepts stain better than conventional wood patching compounds. Neutral color.

Stk.	Mfr.	Size	Price
<b>942960</b>	30904	4 oz.	<b>\$4.50</b>
<b>942961</b>	30906	8 oz.	<b>\$6.96</b>
<b>942962</b>	30911	16 oz.	<b>\$10.20</b>



### Interior/Exterior Wood Filler

**Minwax** Designed to repair split, damaged or rotted wood. Weather, water and rot resistant. Can be planed, sanded, carved, drilled, screwed, nailed, stained or painted.

Stk.	Mfr.	Size	Price
<b>793265</b>	21600	12 oz.	<b>\$16.80</b>



### High Performance Wood Filler

**Minwax** Latex-based wood filler for indoor and outdoor surfaces. Stainable, paintable, fast drying, resists shrinking and cracking. Can be sanded or drilled once dry. Applicator tube.

Stk.	Mfr.	Size	Price
<b>793261</b>	42851	1 oz.	<b>\$5.39</b>
<b>793262</b>	42852	6 oz.	<b>\$9.05</b>
<b>793263</b>	42853	16 oz.	<b>\$12.10</b>



### Stainable Wood Filler

**Elmer's** For interior and exterior use. Ideal for repairing holes, dents, scratches and defects on wood, wallboard, molding or painted surfaces. Ceramic microspheres make this premium wood filler easy to sand and eliminate shrinkage.

Stk.	Mfr.	Size	Price
<b>258030</b>	E891	16 oz.	<b>\$8.71</b>
<b>258031</b>	E892	32 oz.	<b>\$11.10</b>

**CAN'T FIND IT?**

Call us at 800-831-5904.



### Wood Putty®

**Minwax** Non-hardening, pre-mixed putty that repairs small holes and covers other minor imperfections in painted, bare, stained and finished wood. No sanding preparation necessary. Easy cleanup with soap & water.

Stk.	Mfr.	Color	Size	Price
793110	13610	Natural Pine	3.75 oz.	<b>\$4.40</b>
793111	13611	Golden Oak	3.75 oz.	<b>\$4.40</b>
793112	13612	Colonial Maple	3.75 oz.	<b>\$4.40</b>
793113	13613	Red Mahogany	3.75 oz.	<b>\$4.40</b>
793114	13614	Early American	3.75 oz.	<b>\$4.40</b>
793115	13615	Cherry	3.75 oz.	<b>\$4.40</b>
793116	13617	Walnut	3.75 oz.	<b>\$4.40</b>



### Professional Solvent-based Wood Filler

**Famowood** Solvent-based filler spreads evenly and smoothly, filling any void in the wood with no noticeable shrinkage. Meets Federal Spec TT-F-340C.

Stk.	Mfr.	Size	Color	Price
942650	36141130	6 oz.	Pine	<b>\$5.46</b>
942651	36141124	6 oz.	Maple	<b>\$5.46</b>
942652	36141148	6 oz.	White Pine	<b>\$5.46</b>
942653	36141106	6 oz.	Birch	<b>\$5.46</b>
942654	36141134	6 oz.	Red Oak	<b>\$5.46</b>
942655	36141128	6 oz.	Oak	<b>\$5.46</b>
942656	36141102	6 oz.	Ash	<b>\$5.46</b>
942657	36141122	6 oz.	Mahogany	<b>\$5.46</b>
942658	36141142	6 oz.	Walnut	<b>\$5.46</b>
942659	36141126	6 oz.	Natural	<b>\$5.46</b>



### Plastic Wood

**Dap** Repairs even large holes, cracks, gouges and scratches. Ideal for interior and exterior use. Meets Federal Spec TT-F-340C.

Stk.	Mfr.	Size	Color	Price
942880	21400	1/4 lb.	Light Oak	<b>\$5.02</b>
942881	21404	1/4 lb.	Pine	<b>\$5.02</b>
942882	21408	1/4 lb.	Golden Oak	<b>\$5.02</b>
942885	21434	1/4 lb.	Walnut	<b>\$5.02</b>
942886	21502	1/4 lb.	Natural	<b>\$5.02</b>



### Blend Sticks®

**Dap** Quick, easy way to repair nail holes, scratches and minor blemishes in finished wood surfaces. The sticks can be used individually or combined to match any wood tone. Easy-to-use unique teardrop shape. Ideal for wood and simulated wood surfaces like paneling, woodwork, molding, furniture and cabinetry. Won't shrink, stain or discolor. Interior use.

Stk.	Mfr.	Color	Qty.	Price
943252	04083	Redwoods	4/pkg.	<b>\$5.18</b>
943253	04080	Light Woods	4/pkg.	<b>\$5.18</b>
943254	04085	Dark Woods	4/pkg.	<b>\$4.45</b>

**3 Color Set Includes** 1 of each above.

Stk.	Mfr.	Color	Qty.	Price
543765	DBS3		12/pkg.	<b>\$12.00</b>



### Blend-Fil® Pencils

**Minwax** For touch-up and repair of shallow scratches in furniture, antiques, woodwork, cabinets, doors, paneling, accessories and more. Quick, easy no-mess application. Available in a variety of colors to match most wood stains and can be mixed to create intermediate colors.

Stk.	Mfr.	Color	Price
793351	2	Natural Pine, Oak, Driftwood, Bleached Woods	<b>\$3.90</b>
793352	3	Golden, Pecan, Puritan Pine, Fruitwood, Golden Oak	<b>\$3.90</b>
793353	4	Frosted Colors, Pickled Oak	<b>\$3.90</b>
793354	5	Colonial Maple, Ipswitch Pine, Sedona Red, Cherry	<b>\$3.90</b>
793355	6	Early American, Special Walnut, English Chestnut, Provincial	<b>\$3.90</b>
793356	7	Red Mahogany, Red Oak, Cherry	<b>\$3.90</b>
793357	8	Ebony, Walnut, Jacobean	<b>\$3.90</b>

**7-Piece Includes** 1 of each pencil above.

543763	BF7		<b>\$24.00</b>
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### Water Putty

**Durham** Easy-to-use, nonshrinking putty for filling imperfections in wood. It sticks and stays put. Use it to repair furniture, patch plaster, fill knot holes, mold strong figurines and more.

Stk.	Mfr.	Size	Price
316139	168	1 lb.	<b>\$2.83</b>
316140	169	4 lb.	<b>\$9.02</b>

## WOOD CONDITIONERS



### Pre-Stain Wood Conditioner

**Minwax** Allows even stain penetration on softwoods like pine, fir and spruce. Wood may be stained immediately after application of clear conditioner.

Stk.	Mfr.	Size	Price
788892	61500	1 Qt.	<b>\$14.50</b>



### Water-based Pre-Stain Wood Conditioner

**Minwax** Pre-treats and seals wood for even penetration of Minwax Water-based Wood Stains. Low, odor, fast drying, soap and water cleanup.

Stk.	Mfr.	Size	Price
793273	61851	1 Qt.	<b>\$18.10</b>

## WAX



### Paste Wax

**SC Johnson** Lustrous, oil-free, dust and water-resistant coating for floors, metal, leather, Formica, cork.

Stk.	Mfr.	Size	Price
440000	00203	1 lb.	<b>\$11.90</b>



**Paste Finishing Wax**

**Minwax** All-purpose finishing wax. Made for light woods.

Stk.	Mfr.	Size	Price
793255	78500	1 lb.	\$10.80



**Clear Paste Wax**

**Trewax** Restores the original satin brilliance of hard-wood floors. Natural Brazilian Camauba wax provides a hard, long wearing finish. Slip-resistant wax for all fine wood furniture and floors, plus marble surfaces.

Stk.	Mfr.	Size	Price
942738	01016	1 lb.	\$14.10

**Beeswax**

**Dadant** Use to prevent burning on lathe projects by coating the lathe cup center thoroughly. Also used for coating wood screw threads for easier driving.

Stk.	Mfr.	Item	Qty.	Price
314901	W00203	Plug	1 oz.	\$1.30
314900	W00202	Block	1 lb.	\$17.90

**SANDING SEALERS**



**Professional Formula Sanding Sealer**

**Minwax** Clear sealer formulated for bare wood. Seals wood grain. Sands smooth. Can be topcoated with any Minwax oil or water-based polyurethane finish. Covers approximately 125 sq. ft. per quart. Dries in 1 hour. Soap and water cleanup.

Stk.	Mfr.	Size	Price
793218	65700	Qt.	\$22.40



**Enduro Sanding Sealer**

**General Finishes** Dries tack free in 10-20 min. Clear undercoat forms an easily sandable foundation. High solids content builds a fast film. Brush or spray. Earth-friendly with water cleanup.

Stk.	Mfr.	Size	Price
420278	WATER	Qt.	\$30.00
420279	WATER	Gal.	\$74.90

**THINNERS & ADDITIVES**



**Linseed Oil**

**Sunnyside** Boiled oil improves flow and allows easier paint brushing. Produces a higher gloss and more durable paint film when added to oil base paints.

Stk.	Mfr.	Size	Price
942999	87232	Qt.	\$11.60
943000	872G1	Gal.	\$35.40



**Paint Thinner**

**Sunnyside** Low odor, 100% mineral spirits. For thinning oil base paints and enamels.

Stk.	Mfr.	Size	Price
943002	70432	Qt.	\$7.56
943001	701G1	Gal.	\$13.10



**Green Envy Paint Thinner**

**Sunnyside** Earth-friendly, low-VOC (under 20 g/L), water-based formula. Effectively thins paints, degreases, cleans brushes and surfaces. Safer and less flammable than regular thinners.

Stk.	Mfr.	Size	Price
943267	730G1	Gal.	\$14.40

**OIL-BASED FINISHES**



**Wood Finish™ Wood Stain**

**Minwax** Oil-base stain penetrates to color and enhance the beauty of wood. Stains in one easy step. Does not raise the grain.

Stk.	Mfr.	Color	Size	Price
793152	209-Q	Natural	Qt.	\$16.70
793158	211-Q	Provincial	Qt.	\$16.70
793160	215-Q	Red Oak	Qt.	\$16.70
793162	218-Q	Puritan Pine	Qt.	\$16.70
793164	221-Q	Ipswich Pine	Qt.	\$16.70
793166	222-Q	Sedona Redwood	Qt.	\$16.70
793168	223-Q	Colonial Maple	Qt.	\$16.70
793174	224-Q	Special Walnut	Qt.	\$16.70
793181	225-Q	Red Mahogany	Qt.	\$16.70
793188	230-Q	Early American	Qt.	\$16.70
793190	233-Q	English Chestnut	Qt.	\$16.70
793194	235-Q	Cherry	Qt.	\$16.70
793204	241-Q	Fruitwood	Qt.	\$16.70
793209	245-Q	Golden Pecan	Qt.	\$16.70
793156	210B-Q	Golden Oak	Qt.	\$16.70
793224	2126-Q	Driftwood	Qt.	\$16.70
793232	2716-Q	Dark Walnut	Qt.	\$16.70
793243	2750-Q	Jacobean	Qt.	\$16.70
793185	231-Q	Gun Stock	Qt.	\$16.70
793150	209-G	Natural	Gal.	\$46.00
793157	211-G	Provincial	Gal.	\$46.00
793165	223-G	Colonial Maple	Gal.	\$46.00
793159	218-G	Puritan Pine	Gal.	\$46.00
793163	221-G	Ipswich Pine	Gal.	\$46.00
793161	215-G	Red Oak	Gal.	\$46.00
793171	224-G	Special Walnut	Gal.	\$46.00
793178	225-G	Red Mahogany	Gal.	\$46.00
793184	230-G	Early American	Gal.	\$46.00
793191	235-G	Cherry	Gal.	\$46.00
793208	245-G	Golden Pecan	Gal.	\$46.00
793154	210B-G	Golden Oak	Gal.	\$46.00
793230	2716-G	Dark Walnut	Gal.	\$46.00
793186	231-G	Gun Stock	Gal.	\$46.00
793198	241-G	Fruitwood	Gal.	\$46.00



### Wood Finish™ Marker

**Minwax** Oil-based markers contain stains for touchups and repair of wood furniture, cabinets, doors, molding and floors. Also stains and details small hobby and woodcraft projects. Dries immediately, mineral spirit or paint thinner cleanup.

Stk.	Mfr.	Color	Size	Price
<b>793210</b>	63481	Golden Oak, English Chestnut, Puritan Pine, Natural	1/3 oz.	<b>\$7.11</b>
<b>793211</b>	63482	Driftwood, Special Walnut	1/3 oz.	<b>\$7.11</b>
<b>793212</b>	63483	Red Oak	1/3 oz.	<b>\$7.11</b>
<b>793213</b>	63484	Red Mahogany	1/3 oz.	<b>\$7.11</b>
<b>793214</b>	63485	Fruitwood	1/3 oz.	<b>\$7.11</b>
<b>793215</b>	63486	Ipswich Pine, Colonial Maple, Golden Pecan, Gunstock, Sedona Red	1/3 oz.	<b>\$7.11</b>
<b>793216</b>	63487	Jacobean	1/3 oz.	<b>\$7.11</b>
<b>793217</b>	63490	Ebony	1/3 oz.	<b>\$7.11</b>



### Danish Oil Stain & Finish

**Watco** Deep penetrating oil and resin sealer-finish for fine furniture, panels, cabinets, doors, trim, and all interior work. Use on new wood or old wood after old finish has been completely removed. Good on both hardwoods and softwoods. Polymerizing chemical formula completely and deeply penetrates, then changes from a liquid into a permanent solid inside the wood, not on the surface. When fully cured and hardened for at least 30 days, it becomes inert and nontoxic and can be used on chop block tables, salad bowls, etc. Will not gum out, chip or peel in warm temps.

Stk.	Mfr.	Color	Size	Price
<b>964474</b>	65741	Natural	Qt.	<b>\$15.80</b>
<b>963268</b>	65241	Cherry	Qt.	<b>\$15.80</b>
<b>964072</b>	65141	Golden Oak	Qt.	<b>\$15.80</b>
<b>963469</b>	65841	Dark Walnut	Qt.	<b>\$15.80</b>
<b>964273</b>	65941	Medium Walnut	Qt.	<b>\$15.80</b>
<b>963544</b>	65541	Light Walnut	Qt.	<b>\$15.80</b>
<b>963067</b>	65341	Black Walnut	Qt.	<b>\$15.80</b>
<b>963871</b>	65441	Fruitwood	Qt.	<b>\$15.80</b>
<b>964541</b>	65731	Natural	Gal.	<b>\$43.40</b>
<b>963335</b>	65231	Cherry	Gal.	<b>\$43.40</b>
<b>964139</b>	65131	Golden Oak	Gal.	<b>\$43.40</b>
<b>963536</b>	65831	Dark Walnut	Gal.	<b>\$43.40</b>
<b>964340</b>	65931	Medium Walnut	Gal.	<b>\$43.40</b>
<b>963546</b>	65531	Light Walnut	Gal.	<b>\$43.40</b>
<b>963060</b>	65331	Black Walnut	Gal.	<b>\$43.40</b>



### Wood Stains

**General Finishes** Made from the highest quality oils, resins and pigments for a beautiful finish that's easy to achieve. Formerly known as Seal-A-Cell, the penetrating wood sealer and stain protects while revealing and accenting the grain, color and character of the wood. Will not chip, crack, craze or yellow and resists staining and spotting.

Stk.	Mfr.	Color	Size	Price
<b>420280</b>	CLEAR	Seal-A-Cell Clear	Qt.	<b>\$26.80</b>
<b>420283</b>	CHERRY	Warm Cherry	Qt.	<b>\$25.70</b>
<b>420302</b>	SPICED WALNUT	Spiced Walnut	Qt.	<b>\$25.70</b>
<b>420300</b>	LIGHT OAK	Light Oak	Qt.	<b>\$25.70</b>
<b>420292</b>	PECAN	Pecan	Qt.	<b>\$25.70</b>
<b>420298</b>	ANTIQUE	Antique Cherry	Qt.	<b>\$25.70</b>
<b>420281</b>	MAHOGANY	Mahogany	Qt.	<b>\$25.70</b>
<b>420310</b>	CLEAR	Seal-A-Cell Clear	Gal.	<b>\$70.60</b>
<b>420313</b>	CHERRY	Warm Cherry	Gal.	<b>\$68.40</b>
<b>420303</b>	SPICED WALNUT	Spiced Walnut	Gal.	<b>\$68.40</b>
<b>420301</b>	LIGHT OAK	Light Oak	Gal.	<b>\$68.40</b>
<b>420299</b>	ANTIQUE	Antique Cherry	Gal.	<b>\$68.40</b>
<b>420322</b>	PECAN	Pecan	Gal.	<b>\$68.40</b>
<b>420314</b>	RED MAHOGANY	Mahogany	Gal.	<b>\$68.40</b>



### Tung Oil

**Formby's** High-quality finish made from a balanced blend of tung oil and other fine penetrating oils. Unlike ordinary varnishes, lacquers and shellacs, this finish penetrates wood, enhancing the wood's natural patina while providing durable protection from the inside out.

Stk.	Mfr.	Size	Price
<b>793250</b>	30063	Pt.	<b>\$13.70</b>
<b>793252</b>	30100	Qt.	<b>\$20.70</b>



### Butcher Block Oil & Finish

**Watco** Specially-formulated, food-safe oil is FDA approved for application on butcher blocks, wooden bowls and more. Easy, wipe-on application. Highly-durable, rich-sheen finish enhances and protects.

Stk.	Mfr.	Size	Price
<b>963600</b>	241758	Pt.	<b>\$18.10</b>



### Butcher Block Oil Finish

**General Finishes** Preferred method to maintain butcher blocks or any other surface that comes in contact with food such as salad bowls, cutting boards and wooden utensils. Made from FDA approved mineral oil.

Stk.	Mfr.	Size	Price
<b>420354</b>	BBO-PT	Pt.	<b>\$15.70</b>



### Mineral Oil

**Aaron** Preserves wood and prevents cracking and warping. Restores natural oils and beauty to any wood surface.

Stk.	Mfr.	Size	Price
<b>943007</b>	60061	Pt.	<b>\$6.82</b>



### Antique Oil Finish

**Minwax** Provides a hard finish with satin-soft luster. Resists heat and stains. Natural color finish.

Stk.	Mfr.	Size	Price
<b>793142</b>	47000	Pt.	<b>\$12.90</b>
<b>793144</b>	67000	Qt.	<b>\$17.50</b>



### Salad Bowl Finish

**General Finishes** Nontoxic and food safe when dry. Oil-based finish is highly resistant to water, food stains.

Stk.	Mfr.	Size	Price
<b>420350</b>	SBF-PT	Pt.	<b>\$18.20</b>
<b>420352</b>	SBF-QT	Qt.	<b>\$26.80</b>



## POLYURETHANE



### Arm-R-Seal Oil & Urethane Topcoat

**General Finishes** Highest quality urethane resin for extremely durable, wear resistant protection. Great for salad bowls, cabinets, hardwood floors, etc. Apply with a cloth or foam brush for a smooth, drip-free finish. Penetrates for deep down protection and a natural look. May be applied over oil or stains.

Stk.	Mfr.	Finish	Size	Price
420250	GLOSS	Gloss	Qt.	\$26.80
420220	SEMI-GLOSS	Semi-Gloss	Qt.	\$26.80
420248	SATIN	Satin	Qt.	\$26.80
420252	GLOSS	Gloss	Gal.	\$70.60
420219	SEMI-GLOSS	Semi-Gloss	Gal.	\$70.60
420251	SATIN	Satin	Gal.	\$70.60



### Clear Finish Polyurethane

**Deft** Clear, liquid plastic coating for maximum interior and exterior durability. Specify satin or gloss. May be mixed to change sheen. Nonflammable.

Stk.	Mfr.	Finish	Size	Price
319407	020-13	Gloss	11.5 oz. Spray	\$12.10
319608	025-13	Satin	11.5 oz. Spray	\$12.10
319474	020-04	Gloss	Qt.	\$23.20
319675	025-04	Satin	Qt.	\$23.40
319541	020-01	Gloss	Gal.	\$62.90
319742	025-01	Satin	Gal.	\$62.90



### Helmsman® Spar Urethane

**Minwax** Clear finish is specially formulated for exterior and interior wood. Contains UV blockers to reduce graying and fading. Protects against rain and moisture. Expands and contracts with wood as temperature changes.

**Not recommended for use on floors.**

Stk.	Mfr.	Finish	Size	Price
793135	63200	Gloss	Qt.	\$23.90
793136	63210	Semi-Gloss	Qt.	\$23.90
793137	13200	Gloss	Gal.	\$69.30
793138	13210	Semi-Gloss	Gal.	\$69.30



### Fast-Drying Polyurethane

**Minwax** Provides a tough, clear, self-leveling finish to all interior wood surfaces. Durable finish resists dirt, spills, marring and scuffing.

Stk.	Mfr.	Finish	Size	Price
788894	63000	Gloss	Qt.	\$20.90
788896	63005	Semi-gloss	Qt.	\$20.90
788897	63010	Satin	Qt.	\$20.90
788895	71030	Gloss	Gal.	\$62.50
788899	71029	Semi-Gloss	Gal.	\$62.50
788898	71028	Satin	Gal.	\$62.50



### Fast-Drying Polyurethane Spray

**Minwax** Fast drying, durable clear finish for interior wood surfaces. Convenient spray formula for hard-to-reach areas. Cleans up with mineral spirits.

Stk.	Mfr.	Finish	Size	Price
793246	33050	Gloss	11.5 oz.	\$11.50
793247	33055	Semi-Gloss	11.5 oz.	\$11.50
793248	33060	Satin	11.5 oz.	\$11.50

## WATER-BASED FINISHES



### WoodSheen® Water-based Rubbing Stain & Finish

**Minwax** Achieves a beautiful color and classic, hand-rubbed finish for interior wood surfaces in minutes. Apply, wipe away excess, dry 1 hr. and you're done. Water-based, low odor and fast drying. Soap and water cleanup.

Stk.	Mfr.	Color	Size	Price
793120	30405	Natural	12 oz.	\$11.00
793121	30414	Manor Oak	12 oz.	\$11.00
793122	30419	Windsor Oak	12 oz.	\$11.00
793123	30438	Plantation Walnut	12 oz.	\$11.00
793124	30443	Colonial Walnut	12 oz.	\$11.00
793125	30451	Rosewood	12 oz.	\$11.00



### Water-based Wood Stain

**General Finishes** Earth-friendly water-based wood stains are designed for easy application, fast dry, and easy cleanup. Resin is added to lock in colors and produce a clearer look.

**When staining pine, use Natural as a pre-stain sealer to prevent blotching.**

Stk.	Mfr.	Color	Size	Price
420253	EF	Natural	Qt.	\$22.50
420330	EF	Golden Oak	Qt.	\$22.50
420331	EF	Brown Mahogany	Qt.	\$22.50
420332	EF	Shaker Maple	Qt.	\$22.50
420336	EF	Espresso	Qt.	\$22.50
420334	EF	Walnut	Qt.	\$22.50
420335	EF	Antique Cherry	Qt.	\$22.50
420337	EF	Early American	Qt.	\$22.50
420338	EF	Antique Oak	Qt.	\$22.50
420339	EF	Country Pine	Qt.	\$22.50
420340	EF	Pecan	Qt.	\$22.50



### High-performance Polyurethane

**General Finishes** Hard, durable water-based polyurethane that's even suitable for floors. UV stabilizer protects wood and underlying stain from sunlight damage.

Stk.	Mfr.	Finish	Size	Price
420270	GLOSS	Gloss	Qt.	\$36.40
420269	SATIN	Satin	Qt.	\$36.40
420271	SATIN	Gloss	Gal.	\$98.40
420272	GLOSS	Satin	Gal.	\$98.40



### Polycrylic® Water-based Finish

**Minwax** A hard, crystal-clear yellow-free, extra fast drying protective finish. Nonflammable, very little odor and cleans up with water. Finish resists damage from abrasion, scuffing, chipping, water, alcohol and other common household chemicals. Its great clarity finish makes it perfect for any wood surface, especially over

light woods, or woods colored with pastel stains. Use Polycrylic on floors, furniture, trim, doors, cabinets, paneling, and any other wood surface.

**Not recommended for use on Minwax Red Mahogany Stain.**

Stk.	Mfr.	Finish	Size	Price
964879	35555	Gloss	11.5 oz. Spray	<b>\$15.40</b>
964878	34444	Semi-Gloss	11.5 oz. Spray	<b>\$15.40</b>
964877	33333	Satin	11.5 oz. Spray	<b>\$13.10</b>
964880	65555	Gloss	Qt.	<b>\$28.80</b>
964885	64444	Semi-Gloss	Qt.	<b>\$28.80</b>
964882	63333	Satin	Qt.	<b>\$28.80</b>
964881	15555	Gloss	Gal.	<b>\$80.80</b>
964884	14444	Semi-Gloss	Gal.	<b>\$80.80</b>
964883	13333	Satin	Gal.	<b>\$80.80</b>



### Auqa-Zar Water-based Polyurethane

**Zar** Crystal clear, water-based polyurethane is non-yellowing. Protects and beautifies cabinets, furniture, paneling, woodwork and floors. Low odor, environmentally safe, VOC compliant.

Stk.	Mfr.	Finish	Size	Price
986750	32412	Gloss	Qt.	<b>\$25.80</b>
986755	32512	Satin	Qt.	<b>\$25.80</b>
986751	32413	Gloss	Gal.	<b>\$78.70</b>
986756	32513	Satin	Gal.	<b>\$78.70</b>



### Water-based Polyurethane

**Deft** Provides excellent hardness, durability, UV protection and weather resistance. Offers exceptional sanding characteristics, self-priming and non-toxic when dry. Meets environmental regulations for VOC. Protects interior and exterior furniture, doors, floors, windows, window frames, and other hard use wooden areas. Easy application, low odor and water clean-up.

Stk.	Mfr.	Finish	Size	Price
319571	257-04	Gloss	Qt.	<b>\$30.20</b>
319573	258-04	Semi-Gloss	Qt.	<b>\$30.20</b>
319575	259-04	Satin	Qt.	<b>\$30.20</b>
319570	257-01	Gloss	Gal.	<b>\$87.80</b>
319572	258-01	Semi-Gloss	Gal.	<b>\$87.80</b>
319574	259-01	Satin	Gal.	<b>\$87.00</b>



### Wipe-On Poly

**Minwax** High-quality, durable clear finish combines polyurethane protection with classic hand-rubbed beauty. Easy-application cloth wipe-on. Use on furniture, cabinets, woodwork, doors, railings and trim. 2-3 hr. recoat, 24-hr. dry time. Water cleanup. VOC compliant.

Stk.	Mfr.	Finish	Size	Price
793147	40916	Gloss	16 oz.	<b>\$20.30</b>
793148	40917	Satin	16 oz.	<b>\$20.30</b>

## SHELLAC



### Bulls Eye® Shellac

**Zinsser** All natural, hypo-allergenic, nontoxic finish that is safe for children's toys and furniture. Pre-stain sealer for pine and other softwoods. Can be used as a clear stain blocker and odor barrier. Dependable knot and sap sealer. May be tinted and used as a dark color interior paint primer. Fast drying, clear finish for interior

wood floors, trim, doors, furniture, cabinets, arts and crafts, etc.

Stk.	Mfr.	Size	Price
943017	0408	12 oz.	<b>\$12.00</b>
943018	304H	Qt.	<b>\$20.90</b>

## SPRAY FINISHES



### Clear Wood Finish Spray Lacquer

**Deft** Quick-drying, clear lacquer sealer and finish. Alcohol and water resistant finish. Excellent for crafts, metals. Dries in 30 min. Can be recoated in 2 hrs. No sealer is necessary.

Stk.	Mfr.	Finish	Size	Price
319032	010-13	Gloss	12-1/4 oz.	<b>\$11.90</b>
319139	011-13	Semi-Gloss	12-1/4 oz.	<b>\$11.90</b>
319400	017-13	Satin	12-1/4 oz.	<b>\$11.90</b>



### Premium Decor Spray Lacquer Paint

**GPM Company** Quick-drying with high gloss finish. Ideal for metal, wood, toys, furniture and handcrafts.

**Contains no CFCs.**

Stk.	Mfr.	Color	Size	Price
943098	PD1353-AER	Black	12 oz.	<b>\$7.64</b>
943099	PD1354-AER	White	12 oz.	<b>\$7.64</b>
943100	PD1355-AER	Clear	12 oz.	<b>\$7.64</b>



### Premium Decor Fluorescent Spray Paint

**GPM Company** Bright, bold colors for a highly visible finish. Ideal for wood, metal, handcrafts, toys and other paintable interior and exterior surfaces.

**Contains no CFCs.**

Stk.	Mfr.	Color	Size	Price
943094	PDFL3-AER	Bright Yellow	11 oz.	<b>\$8.04</b>
943095	PDFL4-AER	Glo Green	11 oz.	<b>\$8.04</b>
943096	PDFL6-AER	Red/Orange	11 oz.	<b>\$8.04</b>
943097	PDFL7-AER	Electric Pink	11 oz.	<b>\$8.04</b>



### Primer Spray Paint

**Krylon** Five-ball aerosol, all-purpose spray enamel. Drip and run-free sandable primer.

**Contains no CFCs.**

Stk.	Mfr.	Color	Size	Price
943148	51315	White	12 oz.	<b>\$7.25</b>
943149	51316	Black	12 oz.	<b>\$7.25</b>
943150	51318	Gray	12 oz.	<b>\$7.40</b>



**Fast-drying Indoor/Outdoor Enamel Paint**

**Krylon** Dry to touch in 10 min. or less (dry to handle 1 hr.). EZ Touch 360° dial spray tip. 5-ball aerosol offers exceptional durability, adhesion and smoothness. Use on wood, metal, wicker, wrought iron, glass, plaster, ceramic, fabric, paper and papier-mâché.

**Contains no CFCs.**

**Gloss**

Stk.	Mfr.	Color	Size	Price
943234	51501	White	12 oz.	<b>\$7.25</b>
943237	51601	Black	12 oz.	<b>\$7.25</b>
943232	51301	Clear	12 oz.	<b>\$7.25</b>
943236	51504	Ivory	12 oz.	<b>\$7.25</b>
943241	51806	Yellow	12 oz.	<b>\$7.25</b>
943239	51606	Pewter	12 oz.	<b>\$7.25</b>
943242	51910	Blue	12 oz.	<b>\$7.25</b>
943243	52411	Pumpkin Orange	12 oz.	<b>\$7.25</b>
943229	52001	Hunter Green	12 oz.	<b>\$7.25</b>
943230	52101	Cherry Red	12 oz.	<b>\$7.25</b>
943231	52501	Leather Brown	12 oz.	<b>\$7.25</b>
943333	51913	Purple	12 oz.	<b>\$7.25</b>

**Semi-gloss**

943228	51508	White	12 oz.	<b>\$7.25</b>
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**Satin**

943240	51613	Black	12 oz.	<b>\$7.25</b>
943233	51313	Clear	12 oz.	<b>\$7.25</b>

**Flat**

943235	51502	White	12 oz.	<b>\$7.25</b>
943238	51602	Black	12 oz.	<b>\$7.25</b>



**Premium Decor Spray Enamel Paint**

**GPM Company** Fast-drying paint inhibits rust. Use for all interior and exterior wood, metal, furniture, toys, crafts and other paintable surfaces.

**Contains no CFCs.**

**Gloss**

Stk.	Mfr.	Color	Size	Price
942980	PDS1-AER	White	12 oz.	<b>\$4.90</b>
942981	PDS2-AER	Black	12 oz.	<b>\$4.90</b>
942984	PDS7-AER	Clear Acrylic	12 oz.	<b>\$4.90</b>
942985	PDS16-AER	Almond	12 oz.	<b>\$4.90</b>
942996	PDS96-AER	Fiesta Red	12 oz.	<b>\$4.90</b>
943225	PDS24-AER	Banner Orange	12 oz.	<b>\$4.90</b>
942986	PDS30-AER	Royal Blue	12 oz.	<b>\$4.90</b>
943226	PDS31-AER	Harbor Blue	12 oz.	<b>\$4.90</b>
942987	PDS40-AER	Sunflower Yellow	12 oz.	<b>\$4.90</b>
942988	PDS50-AER	Hunter Green	12 oz.	<b>\$4.90</b>
942998	PDS52-AER	Meadow Green	12 oz.	<b>\$4.90</b>
942995	PDS60-AER	Leather Brown	12 oz.	<b>\$4.90</b>
942994	PDS71-AER	Pewter Gray	12 oz.	<b>\$4.90</b>
942997	PDS95-AER	Shutter Red	12 oz.	<b>\$4.90</b>
942990	PDS90-AER	Silver	12 oz.	<b>\$6.18</b>
942991	PDS91-AER	Gold	12 oz.	<b>\$6.18</b>
942992	PDS92-AER	Copper	12 oz.	<b>\$6.18</b>
943223	PDS94-AER	Chrome Metallic	12 oz.	<b>\$6.18</b>

**Satin**

943224	PDS151-AER	Resin Tan	12 oz.	<b>\$4.90</b>
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**Flat**

942982	PDS5-AER	White	12 oz.	<b>\$4.90</b>
942983	PDS6-AER	Black	12 oz.	<b>\$4.90</b>



**Magnetic Paint**

**Alvin** Creates a surface to which magnets will stick. Topcoat the gray primer finish with any paint color. Great for classrooms, workshops and more.

Stk.	Mfr.	Color	Size	Price
196042	3151	Gray Primer	13 oz.	<b>\$13.30</b>



**Hammered Spray Paint**

**Rust-Oleum** Applies a distinctive hammered look &/or hides flaws & imperfections found in scratched, rusted or pitted metals. Not recommended for use on galvanized metal.

Stk.	Mfr.	Color	Size	Price
963050	7217830	Bright Red	12 oz.	<b>\$10.40</b>
963051	7211830	Deep Green	12 oz.	<b>\$10.40</b>
963052	7215830	Black	12 oz.	<b>\$10.40</b>



**Anti-Skid Epoxy Spray w/Grit**

**Goop** Provides slip resistance anywhere firm footing is desired. Easy to use and covers up to 15 sq. ft. Lead, chemical, gas and oil resistant. Dries in 24 hours.

**Contains no CFCs.**

Stk.	Mfr.	Color	Size	Price
375960	5370020	Clear	11 oz.	<b>\$14.70</b>



**Spray Paint Can Holder**

**Krylon** Snaps on to any spray can for spray gun control & relief of finger fatigue.

Stk.	Mfr.	Price
943244	7099	<b>\$6.70</b>



**Aerosol Can Rack**

**Durham** Keeps aerosol cans organized. Made of prime cold rolled steel w/interlocking construction. Gray baked enamel.

*Shown w/cans, sold separately.*

Stk.	Mfr.	Capacity	Size	Price
345020	385-95	6 cans	21"W x 18"D x 27"H	<b>\$23.80</b>



**Aerosol Can Bench Top Cabinet**

**Justrite** Safe, easy aerosol can organization. Sturdy 18 ga. steel, welded double-wall construction with 1-1/2" insulating air space. Finished inside-&- out w/durable, lead-free, hybrid epoxy/polyester powder paint for chemical resistance. 24 ga. galvanized steel roll-out shelves with easy-glide plastic rollers and stop guard protection. 2 fixed-position holders have twelve 2-3/4" dia. openings, accept cans up to 10" tall, and remove for easy cleaning.

Size 21"W x 27"H x 18"D.  
*Shown w/cans, sold separately.*

Stk.	Mfr.	Capacity	Shelves	Weight	Price
492289	890500	24 cans	2	62 lbs.	<b>\$1,098.00</b>

# SUEDE-TEX



## Suede-Tex Mini-Flocker

**Donjer** Spray fibers onto any adhesive-coated object using Mini-Flocker's cardboard tube applicator. Works on all shapes of object.

**Shown w/Adhesive & Fibers, sold separately.**

Stk.	Mfr.	Price
339010	935	\$5.07



## Suede-Tex Spray Gun

**Donjer** With the squeeze of a trigger, students can quickly apply an even coat of flocking material. Use gun with an air compressor at 18 to 20 lbs. of air pressure.

**Includes** metal canister (qt.).

Stk.	Mfr.	Price
339030	975	\$72.50

## Suede-Tex Adhesives & Fibers

**Donjer** Simply coat any surface with color-coordinated Donjer Undercoat Adhesive, then apply matching Suede-Tex fibers for a suede-like, soft, durable finish with an even nap. The adhesive allows a generous working time to secure the fibers for a durable finish. An 8 oz. can of adhesive covers approx. 25 sq. ft., while a 16 oz. can covers 50 sq. ft.

### Suede-Tex Fibers

Stk.	Mfr.	Color	Size	Price
293000	616-BRT RED	Bright Red	1 lb.	\$26.30
293004	616-CHARCOAL	Char. Gray	1 lb.	\$26.30
293014	616-BLUE	Blue	1 lb.	\$26.30
293024	616-ROYAL	Royal Purple	1 lb.	\$26.30
293028	616-NAVY	Navy Blue	1 lb.	\$26.30
293032	616-KELLY	Kelly Green	1 lb.	\$26.30
293040	616-WINE	Wine	1 lb.	\$26.30
293042	616-CARDINAL	Cardinal	1 lb.	\$26.30
293134	616-EMERALD	Emerald Green	1 lb.	\$26.30
293201	616-BROWN	Brown	1 lb.	\$26.30
293402	616-BLACK	Black	1 lb.	\$26.30

### Suede-Tex Adhesives

Stk.	Mfr.	Color	Size	Price
339469	808-BRT RED	Bright Red	8 oz.	\$14.90
339137	808-CHARCOAL	Char. Gray	8 oz.	\$14.90
339147	808-BLUE	Blue	8 oz.	\$14.90
339159	808-ROYAL	Royal Purple	8 oz.	\$14.90
339165	808-NAVY	Navy Blue	8 oz.	\$14.90
339168	808-KELLY	Kelly Green	8 oz.	\$14.90
339177	808-WINE	Wine	8 oz.	\$14.90
339180	808-CARDINAL	Cardinal	8 oz.	\$14.90
339402	808-EMERALD	Emerald Green	8 oz.	\$14.90
339268	808-BROWN	Brown	8 oz.	\$14.90
339134	808-BLACK	Black	8 oz.	\$14.90
339938	816-BRT RED	Bright Red	16 oz.	\$25.20
339807	816-CHARCOAL	Char. Gray	16 oz.	\$25.20
339817	816-BLUE	Blue	16 oz.	\$25.20
339827	816-ROYAL	Royal Purple	16 oz.	\$25.20
339831	816-NAVY	Navy Blue	16 oz.	\$25.20
339835	816-KELLY	Kelly Green	16 oz.	\$25.20
339843	816-WINE	Wine	16 oz.	\$25.20
339845	816-CARDINAL	Cardinal	16 oz.	\$25.20
339871	816-EMERALD	Emerald Green	16 oz.	\$25.20
339737	816-BROWN	Brown	16 oz.	\$25.20
339603	816-BLACK	Black	16 oz.	\$25.20

# GLOVES



## Polyethylene Gloves

**Ammex** Gloves have heat-sealed seams and fit either hand. USDA accepted. 1.25 mil thick.

Stk.	Mfr.	Size	Qty.	Price
198015	PGLOVE-S	Small	100	\$1.94
198016	PGLOVE-M	Medium	100	\$1.94
198017	PGLOVE-L	Large	100	\$1.94



## Vinyl Gloves

**Ammex** Highly sensitive touch for painting, staining, electronics work, assembly and food handling. Ambidextrous design. 5 mil thick.

Stk.	Mfr.	Size	Qty.	Price
198000	IV42100-S	Small	100	\$5.88
198001	IV44100-M	Medium	100	\$5.88
198002	IV46100-L	Large	100	\$5.88
198003	IV48100-XL	X-Large	100	\$5.88



## Latex Gloves

**Ammex** Seamless construction, rolled cuff, fits either hand. Extra stretch for best fit, highly sensitive touch. 10"L, 5 mil thick.

**Caution: natural latex may cause allergic reactions in some individuals.**

### Powdered

Stk.	Mfr.	Size	Qty.	Price
198004	TL42100-S	Small	100	\$8.91
198005	TL44100-M	Medium	100	\$8.91
198006	TL46100-L	Large	100	\$8.91
198007	TL48100-XL	X-Large	100	\$8.91

### Powder-Free

Stk.	Mfr.	Size	Qty.	Price
198008	TLF42100-S	Small	100	\$10.10
198009	TLF44100-M	Medium	100	\$10.10
198010	TLF46100-L	Large	100	\$10.10
198011	TLF48100-XL	X-Large	100	\$10.10



## Latex-free Nitrile Gloves

**Ammex** Low-powder, blue synthetic rubber gloves protect from most solvents and oils, plus offer abrasion, cut and puncture protection. Ambidextrous, single use glove with beaded cuff and micro-texture finish. 5 mil thick, 9.5"L.

**Not for use w/ketones & some organic solvents.**

Stk.	Mfr.	Size	Qty.	Price
198012	XN44100-M	Medium	100	\$11.40
198013	XN46100-L	Large	100	\$11.40
198014	XN48100-XL	X-Large	100	\$11.40



## Magnetic Glove Dispenser

**Lisle** Dispenser attaches to tool box or any ferrous metal surface. 2 large magnets hold unit in place, or mount to wall using screw slots provided. 3 adjusting springs accommodate all common sizes of disposable gloves, both 50 & 100 pkgs. Made of powder-coated steel.

Stk.	Mfr.	Price
503830	20130	\$27.10

## CLEANING PRODUCTS



### Brush-Wash™ Cleaner & Renewer

**Krud Kutter** Quickly clean and recondition synthetic paint brushes and rollers. Removes dried paint from most applicators. Biodegradable, water-based formula is safe, fast and effective on oil, latex and enamel paints, varnish, lacquer, shellac and polyurethane.

Stk.	Mfr.	Size	Price
889320	BW32	32 oz.	\$10.50
889315	BW01	Gal.	\$24.00



### Absorbent

**Oil-Dri** Heavy-duty industrial oil absorbent, soaks up liquid spills from floors, provides traction on snow and ice.

Stk.	Mfr.	Size	Price
943283	101008	8 lbs.	\$13.20
942802	05080	50 lbs.	\$40.20



### Kleen Sweep™

**Akona** Water-based compound out performs oil-based products. Controls dust and picks up on cement, vinyl, rubber, asphalt, composition and other floors. Picks up gypsum and wall board dust. Stain-free and won't leave oily residue. Environmentally safe (no petroleum oil, not toxic or hazardous).

Stk.	Mfr.	Size	Price
942859	1815	50 lbs.	\$42.10



### Original Krud Kutter

**Krud Kutter** Cut grease, grime, oil, tar, wax and more. Spray to safely clean food stains, dried latex paint, paint overspray, tape residue, glue and adhesive, acid rain, bird droppings, smoke damage, tree sap, marker, crayon, brake dust, oxidation, scuff marks, blood stains, gum, soap scum, mildew stains. Recommended for pressure washers and carpet cleaning machines. Earth-friendly water-based, nontoxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
889350	KK32	32 oz.	\$11.40
889345	KK01	1 Gal.	\$21.10



### Biodegradable Degreaser

**LiquiFix** Non-staining, industrial-strength formula removes oil, grease and grime from multiple surfaces and machinery. Dissolves fats, tar, adhesives and stains. Safe for automotive finishes and leaves no residue. Made from renewable base oils. Miscible formula for easy water rinsing. Non-hazardous, contains no chlorinated solvents.

Stk.	Mfr.	Size	Price
502600	200116	16 oz.	\$11.70



### Goo Gone Spray Gel

**Homax** Trigger bottle application allows gel to cling to the surface for no-drip, no-mess cleaning. Since gel holds onto the stain, it cleans quickly and effectively removes chewing gum, laundry stains, crayon, wax and more.

Stk.	Mfr.	Size	Price
943266	GGHS12	12 oz.	\$9.00



### Graffiti Remover

**Krud Kutter** Ultimate spray paint graffiti remover works on most hard, soft and porous surfaces. Removes acrylic, acrylic enamel, aerosol paint, enamel, high gloss, oil lacquers, primers, sealers, semi-gloss, Speed-E-Nameles, stain killers, super enamels, urethane and water-based enamels, plus permanent markers, ink, lipstick, crayon and shoe dye. Environmentally-friendly water-based, nontoxic, non-flammable, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
889335	GR01	1 Gal.	\$34.00



### Tough Task Remover

**Krud Kutter** Safely removes chewing gum, masking tape, printer's ink, soap scum, scuff marks, food stains, crayons, grease, oil, stickers, ink, shoe polish, wax, most glues, lipstick, tar and more. Environmentally-friendly, water-based, nontoxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
889348	KR01	1 Gal.	\$21.90



### Tough Task Citrus Remover

**Krud Kutter** Commercial-strength formula safely and easily removes chewing gum, dried latex paint, stickers, tape, glue, ink, crayon, shoe polish, tar, asphalt, oil, grease, lipstick, soap scum, mildew, cosmetics. Not for use on leather, wood or other varnished surfaces. Environmentally-friendly cleaner is nontoxic, nonabrasive, nonflammable and biodegradable.

Stk.	Mfr.	Size	Price
889343	KC32	32 oz.	\$11.60



### Purple Cleaner Degreaser

**Gunk** Concentrated degreaser is powerful and fast-acting. Removes grease, oil, wax, tar & dirt. Use on cold engines, tires, concrete floors, vinyl siding, ovens, appliances and more.

Stk.	Mfr.	Size	Price
688109	CL32	32 oz.	\$6.51



### Klein Kleeners Hand Cleaning Towels

**Klein** Pre-moistened hand towels clean like a pumice-based lotion, but without the messy, gritty residue. No rinsing or drying, just sink-free cleaning. Works on oils, tar, adhesives, asphalt, wax, graphite, grease, and more. Polyethylene bucket with a resealable dispenser prevents the towels from drying out if the closure is left open.

**Includes** 72 towels (9" x 12" each).

Stk.	Mfr.	Price
945317	51425	\$21.50



### Powdered Hand Soap

**Boraxo** A mild abrasive that gets the dirt and grime out of hands. Box with pour spout.

Stk.	Mfr.	Size	Price
942816	02203	5 lb.	\$13.90



**Instant Hand Sanitizer**

**Dial** For fewer student sick days, use hand sanitizer to kill harmful germs. No soap, water or towels needed. Contains moisturizers and leaves no harmful residue. Dermatologist tested and hypoallergenic.

Stk.	Mfr.	Size	Price
<b>943157</b>	01219	7.5 oz.	<b>\$4.37</b>



**Lava Bar Soap**

**Lava** The original pumice powdered heavy-duty hand cleaner. Cleans away grease, oil, tar, ink, paint, adhesives, caulk and lubricants.

Stk.	Mfr.	Size	Qty.	Price
<b>618719</b>	10085	5.75 oz.	1	<b>\$2.98</b>



**Go-Jo® Hand Cleaners**

**Go-Jo** A complete line of heavy to medium-duty hand cleaners. Effective on a wide range of soils. Specialized hand

cleaners are formulated for specific soil types.

**Fine Italian Pumice** Creme formula fine pumice particles for extra cleaning action. Removes heavy grease, tar & oil.

Stk.	Mfr.	Size	Type	Price
<b>968045</b>	1135-06	4 lb.	Plastic Cartridge	<b>\$18.80</b>

**Original Formula™** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

Stk.	Mfr.	Size	Type	Price
<b>968040</b>	1115-06	4.5 lb.	Plastic Cartridge	<b>\$17.20</b>

**Original Formula™ Hand** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

Stk.	Mfr.	Size	Type	Price
<b>968050</b>	1141-12	14 oz.	Plastic Cartridge	<b>\$3.03</b>

**Creme-Style Dispenser** For Fine Italian Pumice, Original Formula & Orange Smooth (also for 0905-06, 0915-06, 1075-06, 1095-06, 1144-06 & 1145-06).

Stk.	Mfr.	Size	Type	Price
<b>968070</b>	1204-01		Creme-style dispenser	<b>\$24.00</b>

**Natural Orange™ Smooth** Quick-acting lotion formula for cleaning industrial soils, medium dirt & grease. Orange scent.

Stk.	Mfr.	Size	Type	Price
<b>968015</b>	0947-12	14 oz.	Squeeze bottle w/nail brush	<b>\$5.11</b>
<b>968014</b>	0945-04	1 gal.	Bottle w/Pump	<b>\$15.50</b>

**Natural Orange™ Pumice** Quick-acting lotion w/pumice scrubbing particles clean industrial soils, medium dirt & grease. Orange scent.

Stk.	Mfr.	Size	Type	Price
<b>968018</b>	0957-12	14 oz.	Squeeze bottle w/nail brush	<b>\$5.11</b>
<b>968017</b>	0955-02	1 gal.	Bottle w/Pump	<b>\$15.50</b>



**Tan Tack Cloth**

**TufPro** Premium quality pre-finish duster cloth made of 100% cotton surgical cheesecloth. The medium-heavy tan tack is safe for all finishes. Use between coats when refinishing wood or metalworking projects.

Stk.	Mfr.	Size	Price
<b>942868</b>	10501	18" x 36"	<b>\$1.82</b>



**Micro-Fiber Dry Tack Cloth**

**NORTON** For general dry applications. Works best when sprayed with a light water mist to deep clean. Can be washed 300+ times without losing its cleaning and trapping abilities.

Stk.	Mfr.	Size	Price
<b>600509</b>	06038	16" x 16"	<b>\$5.70</b>



**Wiping Cloths**

**Kimberly-Clark** Cloth-like towels for heavy cleaning or polishing. 12" x 15" white cloths. Ideal for cleaning jobs. 56 sheets/pkg.

Stk.	Mfr.	Qty.	Price
<b>482779</b>	05701	18 pkg/case	<b>\$110.00</b>



**Shop Towel Roll**

**Scott** Shop towel roll is ideal for cleaning up the toughest grease, grime & solvents. Heavy-duty, disposable and reusable. Reinforced with synthetic innovative Hydroknit technology. 3 times stronger when wet.

Stk.	Mfr.	Qty.	Price
<b>943312</b>	32992	60 ct. roll	<b>\$5.29</b>



**Mechanic's Shop Towels**

**Clean Rite** 100% cotton shop towels for oil and grease spills or general cleanup. Red. 13" x 14".

Stk.	Mfr.	Qty.	Price
<b>943303</b>	3-542	25/pkg.	<b>\$9.35</b>



**White Rags in a Box**

**Scott** The strength of cloth with the absorbency of a sponge. Pop-up dispenser box.

Stk.	Mfr.	Qty.	Price
<b>942724</b>	75240	85	<b>\$8.43</b>
<b>942725</b>	75260	200	<b>\$19.00</b>



**Exact Cuts Shop Towels**

**Intex** Exact cut T-shirt rags for painting and staining. Each 14" x 16" cloth comes without seams, holes or ragged, stringy edges. Prewashed for super absorbency and low lint.

Stk.	Mfr.	Qty.	Price
<b>942903</b>	W-30005	30	<b>\$18.70</b>

*Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!*



### Contractor's Choice Shop Towels

**Intex** Lint-free rags for painting, staining, polishing and cleaning. White washed and bleached all new cotton T-shirt rags are extra absorbent and soft.

Stk.	Mfr.	Size	Price
<b>942901</b>	6414-10	8 lb.	<b>\$29.80</b>



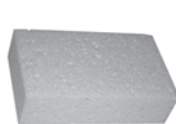
### C-Fold Towels & Dispenser Kimberly-Clark

**C-Fold Hand Towels** White 1-ply, 175 sheets/pkg. 25 pkg./case

Stk.	Mfr.	Price
<b>482783</b>	01980	<b>\$78.60</b>

**Dispenser** Gray.

Stk.	Mfr.	Price
<b>482782</b>	09905	<b>\$64.50</b>



### Commercial Sponge

**3M** Extra-large, highly-absorbent cellulose sponge is durable and less likely to fall apart.

Stk.	Mfr.	Size	Price
<b>943246</b>	7456-T	7.5"L x 4.4"W x 2"H	<b>\$4.68</b>

## TAPE



### Scotch-Blue™ Painter's Tape

**3M Scotch** Leaves no adhesive transfer or surface damage for up to 14 days, even in direct sunlight. Medium adhesion tape is ideal for painted walls, trim, woodwork, glass and metal.

Stk.	Mfr.	Width	Length	Price
<b>590250</b>	2090-18E	3/4"	60 yd.	<b>\$5.18</b>
<b>590251</b>	2090-24A	1"	60 yd.	<b>\$6.90</b>
<b>590252</b>	2090-48A	2"	60 yd.	<b>\$12.70</b>
<b>590256</b>	2090-72A	3"	60 yd.	<b>\$16.90</b>



### Masking Tape

**3M Tartan** Economy grade for various uses.

Stk.	Mfr.	Width	Length	Price
<b>590224</b>	200	1/2"	60 yd.	<b>\$2.48</b>
<b>590226</b>	5142-18E	3/4"	60 yd.	<b>\$1.91</b>
<b>590228</b>	5142-24A	1"	60 yd.	<b>\$2.52</b>
<b>590230</b>	5142-36A	1-1/2"	60 yd.	<b>\$3.78</b>
<b>590232</b>	5142-48A	2"	60 yd.	<b>\$5.06</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

## SCRAPERS & PUTTY KNIVES

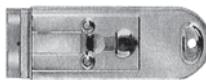


### Utility & Window Blade Scraper

**Stanley** Quickly and easily scrape paint from windows, mirrors, tiles, and other flat surfaces with this uniquely designed polypropylene molded scraper.

**Includes** 1 blade.

Stk.	Mfr.	Length	Price
<b>851900</b>	28-593	7"	<b>\$4.06</b>



### Razor Blade Paint Scraper

**Stanley** Remove paint, glue, putty or adhesives from glass, tile, walls, floors and more. Blade retracts for easy storage. Accepts standard single edge razor blades.

**Includes** 5 blades.

Stk.	Mfr.	Length	Price
<b>851870</b>	28-500	4"	<b>\$3.29</b>



### Glass Scraper

**Master Painter** Steel safety glass scraper with retractable blade for light-duty scraping jobs.

**Includes** 5 blades.

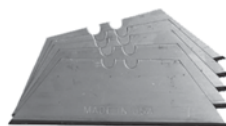
Stk.	Mfr.	Price
<b>943162</b>	GS	<b>\$1.92</b>



### Heavy-duty Utility Knife & Scraper Blades

**Master Mechanic** Fits all .025 Retractable Utility Knives and Window Blade Scrapers.

Stk.	Mfr.	Qty.	Price
<b>942848</b>	704512	5	<b>\$1.95</b>
<b>942850</b>	704583	100	<b>\$17.10</b>



### Utility Knife & Scraper Blades

**Lutz** Heavy-duty .025 gauge blade.

Stk.	Mfr.	Qty.	Price
<b>511312</b>	30092	5	<b>\$1.06</b>



### Heavy-duty Utility Knife Blades

**DEWALT** Precision-ground geometry & induction-hardening gives a 35% sharper, 75% longer cutting edge. Heat-treated blades are 20% stronger. Fits all .025 knives & window scrapers.

Stk.	Mfr.	Qty.	Price
<b>243408</b>	DWHT11004	75	<b>\$15.80</b>



### Single Edge Razor Blades

**Master Mechanic** Fits all standard razor blade tools. Made of high-carbon surgical steel. Each blade is protected in shelling paper.

Stk.	Mfr.	Qty.	Price
<b>943279</b>	741330	10	<b>\$2.21</b>
<b>942846</b>	521013	100	<b>\$8.55</b>

**768840 768842 768843 Cabinet Scraper Blades**



**Two Cherries** Steel scrapers ideal for refinishers.

Stk.	Mfr.	Size	Price
<b>768840</b>	520-5005	0.6mm Rectangle	<b>\$7.94</b>
<b>768841</b>	520-5010	0.8mm Rectangle	<b>\$7.50</b>
<b>768842</b>	520-5060	0.7mm Curved	<b>\$9.64</b>
<b>768843</b>	520-5070	0.7mm Gooseneck	<b>\$12.30</b>

**3-Piece Set Includes** 0.8mm rectangle, curved & gooseneck.

<b>768844</b>	520-5510		<b>\$26.40</b>
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**Square Cabinet Scraper Set**

**Pax** Made of high carbon Sheffield steel for applying smooth finishes to wood.

**Includes** 4"x 2", 5"x 2-1/2" & 6"x 3" rectangular scrapers.

Stk.	Mfr.	Price
<b>193613</b>	410026	<b>\$23.80</b>



**Cabinet Scraper**

**Kunz** Use for final cleaning and finishing of most hardwoods (especially cross-grained or curly-grained wood). Tough high-carbon steel blade with a 90° edge angle. Body of fine, gray cast iron, with epoxy coating for durability. Finely ground 3-3/8"W base.

blade with a 90° edge angle. Body of fine, gray cast iron, with epoxy coating for durability. Finely ground 3-3/8"W base.

Stk.	Mfr.	Blade	Price
<b>768856</b>	580-2000	2-3/4"W	<b>\$56.70</b>

**Replacement Blade**

<b>768857</b>	580-2005	2-3/4"W	<b>\$10.30</b>
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**Wood Handle Putty Knives**

**Stanley** Steel blade is hardened, tempered and polished. Full tang blade permanently fastened to hardwood handle.

Stk.	Mfr.	Blade	Price
<b>851880</b>	28-540	1-1/4"W Flexible	<b>\$6.24</b>
<b>851881</b>	28-541	1-1/4"W Stiff	<b>\$6.40</b>
<b>851883</b>	28-543	3"W Stiff	<b>\$9.73</b>



**Nylon Handle Steel Blade Putty Knives**

**Stanley** Steel blade hardened, tempered and polished. Full tang blade permanently fastened to shatter-proof handle. Available with stiff blade or full flexible taper ground blade.

Stk.	Mfr.	Blade	Price
<b>851519</b>	28-140	1-1/4"W Stiff	<b>\$6.84</b>
<b>851586</b>	28-240	1-1/4"W Flexible	<b>\$7.07</b>



**Polypropylene Handle Steel Blade Putty Knives**

**Master Painter** Rust resistant spring steel blade for easy spreading. Polypropylene handle resists solvents of easy cleanup.

Stk.	Mfr.	Blade	Price
<b>943295</b>	10510	1-1/4"W Flexible	<b>\$4.16</b>
<b>943293</b>	182	1-1/4"W Flexible	<b>\$2.24</b>
<b>943297</b>	10512	3"W Flexible	<b>\$5.11</b>
<b>943296</b>	10511	1-1/4"W Stiff	<b>\$4.16</b>
<b>943294</b>	180	1-1/4"W Stiff	<b>\$2.29</b>
<b>943298</b>	10513	3"W Stiff	<b>\$5.11</b>



**Polyethylene Handle Steel Blade Putty Knife**

**Marshalltown** Heat-treated blade is hardened, tempered and annealed for even hardness. Full tang through the handle. Black, chemical/solvent-resistant polyethylene handle.

Stk.	Mfr.	Blade	Price
<b>528351</b>	M5122	1-1/4"W Chisel	<b>\$4.83</b>



**Plastic Blade Putty Knives**

**Linzer** White plastic putty knife with beveled edge.

Stk.	Mfr.	Blade	Price
<b>504040</b>	7150	1-1/2"W Flexible	<b>\$0.82</b>
<b>504041</b>	7200	2"W Flexible	<b>\$1.48</b>
<b>504042</b>	7300	3"W Flexible	<b>\$1.67</b>



**Four-Edge Hand Scrapers**

**Master Painter** Carbon steel blade. Soft-grip handle.

Stk.	Mfr.	Item	Blade	Qty.	Price
<b>943304</b>	FE2	Scraper	1-1/2"L		<b>\$5.29</b>
<b>943305</b>	22B	Replacement Blade	1-1/2"L	2/pkg.	<b>\$2.98</b>
<b>943170</b>	F4	Scraper	2-1/2"L		<b>\$7.13</b>
<b>943171</b>	42B	Replacement Blade	2-1/2"L	2/pkg.	<b>\$3.88</b>



**Bent Pole Scraper**

**Master Painter** High-carbon steel blade is bent to help reach high surfaces. Black, solvent-resistant, ergo-grip handle. Fits any standard threaded broom handle or extension pole.

Stk.	Mfr.	Blade	Price
<b>943173</b>	10737	3"W	<b>\$10.30</b>



**5-in-1 Painter's Tool**

**Master Painter** High carbon steel blade with soft grip ergonomic handle.

Stk.	Mfr.	Price
<b>943299</b>	10516	<b>\$6.38</b>



**Triangular Scraper**

**Marshalltown** High-quality detail scraper for molding contours, carved woodwork, cracks and seams. 9" balanced handle.

Stk.	Mfr.	Blade	Qty.	Price
<b>528345</b>	E1241	2-1/4"W	1	<b>\$11.50</b>

**Replacement Blade**

<b>528343</b>	E1242	2-1/4"W	1	<b>\$4.93</b>
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**Glue Scraper**

**Robert Larson** Quickly clean up glue joints with this heavy-duty, high-quality steel blade scraper.

Stk.	Mfr.	Blade	Qty.	Price
<b>768859</b>	580-2175	2-3/8"W	1	<b>\$56.70</b>

**Replacement Blade**

<b>768860</b>	580-2176	2-3/8"W	1	<b>\$14.70</b>
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## BRUSHES & ROLLERS



### White China Bristle Brushes

**Linzer** Flat trim disposable brush for paints, varnish, chip and touch-up. Steel ferrule, wood handle.

Stk.	Mfr.	Width	Trim	Thickness	Price
503994	1550-1	1"	1-3/4"	3/8"	<b>\$1.19</b>
503995	1550-1-1/2	1-1/2"	1-3/4"	7/16"	<b>\$1.60</b>
503996	1550-2	2"	2"	1/2"	<b>\$1.90</b>
503997	1550-2-1/2	2-1/2"	2"	1/2"	<b>\$2.31</b>
503998	1550-3	3"	2"	1/2"	<b>\$2.70</b>
503999	1550-4	4"	2-1/4"	1-1/4"	<b>\$5.49</b>

### Economy

Stk.	Mfr.	Width	Trim	Thickness	Price
504002	1500-1/2	1/2"	1-1/2"	1/4"	<b>\$0.34</b>
504003	1500-1	1"	1-1/2"	5/16"	<b>\$0.61</b>
504004	1500-1-1/2	1-1/2"	1-1/2"	5/16"	<b>\$0.52</b>
504005	1500-2	2"	1-1/2"	5/16"	<b>\$0.61</b>
504006	1500-2-1/2	2-1/2"	1-1/2"	3/8"	<b>\$0.83</b>
504007	1500-3	3"	1-1/2"	3/8"	<b>\$0.92</b>



### Oval Sash Brushes

**Linzer** Black china bristle. Clear lacquered wood handle. Seamless steel ferrule.

Stk.	Mfr.	Trim	Thickness	Price
504025	2651-4	2"	3/4"	<b>\$3.40</b>
504026	2651-10	2-1/2"	1-1/8"	<b>\$6.93</b>



### Angled Sash Brushes

**Linzer** Angled sash brush with steel ferrule.

**Silver Plastic Handle** Polyester chiseled trim. For latex paints.

Stk.	Mfr.	Width	Trim	Thickness	Price
504033	2148-1-1/2	1-1/2"	2-1/4"	7/16"	<b>\$5.19</b>
504034	2148-2	2"	2-1/2"	1/2"	<b>\$6.38</b>

**Wood Handle** Chinese bristle/polyester. For all paints, varnished & stains. Interior/exterior use.

Stk.	Mfr.	Width	Trim	Thickness	Price
504022	2832-1-1/2	1-1/2"	2-1/4"	7/16"	<b>\$4.67</b>
504023	2832-2	2"	2-1/4"	1/2"	<b>\$5.69</b>
504024	2832-2-1/2	2-1/2"	2-3/4"	5/8"	<b>\$7.39</b>



### Black China Bristle Brushes

**Linzer** Chiseled trim brush for varnish and oil-based paints. Steel ferrule, blue plastic handle.

Stk.	Mfr.	Width	Trim	Thickness	Price
504008	1600-1/2	1/2"	1-3/8"	1/4"	<b>\$0.77</b>
504009	1600-1	1"	1-5/8"	5/16"	<b>\$0.94</b>
504010	1600-1-1/2	1-1/2"	1-5/8"	5/16"	<b>\$1.16</b>
504011	1600-2	2"	1-5/8"	5/16"	<b>\$1.38</b>
504012	1600-2-1/2	2-1/2"	1-5/8"	3/8"	<b>\$1.90</b>
504013	1600-3	3"	1-5/8"	3/8"	<b>\$2.42</b>



### Poly/Nylon Bristle Brushes

**Linzer** Chiseled trim brush for varnish and all paints. Steel ferrule, ivory plastic handle.

Stk.	Mfr.	Width	Trim	Thickness	Price
504017	1820-1	1"	2-1/8"	3/8"	<b>\$3.11</b>
504018	1820-2	2"	2-1/4"	7/16"	<b>\$4.10</b>
504019	1820-3	3"	2-1/2"	1/2"	<b>\$5.91</b>

### Polyester Bristle Brushes



**Linzer** Chiseled trim brush for varnish and latex paints. Steel ferrule, ivory plastic handle.

Stk.	Mfr.	Width	Trim	Thickness	Price
503990	1105-1	1"	2"	3/8"	<b>\$0.99</b>
503991	1105-1-1/2	1-1/2"	2"	7/16"	<b>\$1.30</b>
503992	1105-2	2"	2"	7/16"	<b>\$1.68</b>
503989	1105-2-1/2	2-1/2"	2-1/4"	1/2"	<b>\$2.06</b>
503993	1105-3	3"	2-1/4"	1/2"	<b>\$2.42</b>

### Marking Brush



**Weiler** Black bristle held by a seamless nickel ferrule. Wooden handle.

Stk.	Mfr.	Width	Trim	Price
969337	41009	9/32" dia.	1-3/8"	<b>\$4.51</b>

### Acid/Glue Brushes



Disposable brush quickly applies plumber's flux and pipe dope. Also evenly spreads glue for a fail-safe glue joint. Fits into tight spots, yet covers large surfaces. Black horsehair trim. Tin ferrule, metal handle.

Stk.	Mfr.	Width	Trim	Length	Price
969295	44089	3/8"	3/4"	5-3/4"	<b>\$0.47</b>
969296	44090	1/2"	3/4"	5-3/4"	<b>\$0.55</b>

**50-Piece Includes** 6"L x 3/4" trim brushes (25 ea. of 5/16"W & 1/2"W).

Stk.	Mfr.	Width	Trim	Length	Price
785616	D2026				<b>\$12.70</b>

### Disposable Brushes



**Jen** Foam paint brushes with tapered polyfoam heads, wood handles. Use and throw way.

### Quantity Savings!

Stk.	Mfr.	Width	Qty.	Price	Qty.	Price
485600	1BX	1"	1	<b>\$0.24</b>	48 or more	<b>\$0.20</b>
485604	2BX	2"	1	<b>\$0.38</b>	48 or more	<b>\$0.31</b>
485608	3BX	3"	1	<b>\$0.51</b>	36 or more	<b>\$0.42</b>
485612	4BX	4"	1	<b>\$0.67</b>	24 or more	<b>\$0.56</b>
485601	1BK	1"	1,200	<b>\$227.00</b>		
485605	2BK	2"	600	<b>\$177.00</b>		
485609	3BK	3"	460	<b>\$202.00</b>		
485614	4BK	4"	252	<b>\$133.00</b>		

### Foam Brushes



**Jen** Smoothes out paint and covers correctly with fewer strokes, eliminating brush marks or

loose bristles so that even the inexperienced users can achieve reliable, professional results. Ideal for the application of enamel, latex, oil paints, stain and varnish.

**Not recommended for shellac or lacquer.**

Stk.	Mfr.	Width	Qty.	Price
485620	1MP	1"	4	<b>\$1.06</b>
485621	2MP	2"	3	<b>\$1.20</b>
485622	3MP	3"	2	<b>\$1.09</b>
485623	4MP	4"	2	<b>\$1.46</b>

**3-Piece Includes** 1", 2" & 3".

485624	EPBX			<b>\$1.17</b>
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### Rol-Rite Disposable Roller



**Linzer** General-maintenance utility roller with knit fabric cover and 2-ply polypropylene core. Use for all paints and stains.

Stk.	Mfr.	Length	Nap	Type	Price
504050	RR925-9	9"	1/4"	Smooth	\$2.39
504051	RR938-9	9"	3/8"	Semi-Smooth	\$2.45
504052	RR950-9	9"	1/2"	Semi-Rough	\$2.56

### Disposable Roller



**Jen** For all smooth surfaces, ideal for enamel, latex, stain, oil paints and varnish. Not for shellac or lacquer. Rollers smooth out the paint and cover correctly with fewer strokes. 9" rollers fit all standard holders.

#### Quantity Savings!

Stk.	Mfr.	Length	Qty.	Price	12 or more
485615	9RBX	9"	1	\$0.80	\$0.68

### Paint Roller Trays & Liners



**Linzer** 1 qt. paint tray w/ladder lock legs. Use w/7" to 9" rollers.

#### Metal tray

Stk.	Mfr.	Price
504053	RM400	\$6.51

#### Plastic liner

504055	RM410	\$0.86
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#### Plastic tray

504054	RM403	\$2.67
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### 9" Paint Roller Frames



**Linzer**

**Contractor** 5-wire cage, 5/16" rod & threaded, plastic grip w/metal ferrule.

Stk.	Mfr.	Price
504057	RF209-9	\$4.64

**Economy** 4-wire cage, 1/4" rod & threaded plastic grip.

504056	RF200-9	\$2.95
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### Heavy-duty Brush & Roller Cleaner



**Linzer** High-speed spinning action cuts clean-up time. Thoroughly cleans roller covers & brushes. All-steel construction w/double ball bearings.

Stk.	Mfr.	Price
504058	6006	\$17.90

### Wire Brushes



**Weiler** For removing rust, scale, paint, solder, cleaning threads, files, metal parts and castings.

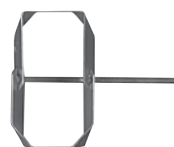
#### Curved Handle

Stk.	Mfr.	Brush	Rows	Trim	Block Size	Price
969292	44053	5-1/2"	3 x 19	1-3/16"	14" x 7/8"	\$5.34

#### Shoe Handle

969293	44063	5"	4 x 16	1-3/16"	10" x 1-1/8"	\$5.73
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## PAINTING & FINISHING TOOLS



### Quick-Mix® Mixer

**Marshalltown** Ideal for stirring and blending paint, drywall mud and acoustic quickly and lump free. Blade is securely welded to a 3/8" hex shaft. Fits any 3/8" or larger slow speed drill (500 rpm).

Stk.	Mfr.	Length	Price
528565	819	28"	\$19.10



### Heavy-duty Paint Mixers

**Master Painter** Coated-steel spiral paint mixer fits all 3/8" drills. Thoroughly mixes paints, coatings, wall textures and more.

Stk.	Mfr.	Impeller	Length	Price
943183	5013TV	3"	16.54"	\$7.18

Fits through mixing hole in 5 gal. lids (use also for 1 gal.).

Stk.	Mfr.	Impeller	Length	Price
943182	5011TV	1-3/4"	19.69"	\$6.31



### Pail Opener

**Linzer** Open plastic pails and buckets without damaging seal. Use to open joint compound, driveway sealer, and bulk paint containers. Rugged polypropylene construction. No moving parts. Also use as a pail hook.

Stk.	Mfr.	Price
482254	5425	\$2.46



### Paint Can Lid Opener

**Linzer** Gallon metal paint can lid and bottle opener.

Stk.	Mfr.	Price
504030	5421	\$0.84



### Paint Hardener

**Krud Kutter** Easy to use, works in minutes and is great for latex paint spills. Turns liquid latex paint solid. Treats 2/3 gallon of paint (85 fluid oz.). Dispose according to local regulations.

Stk.	Mfr.	Size	Price
889370	PH35	3.5 oz. crystals	\$3.95

### Half-Barrel Caulk Gun



**Red Devil** Holds most standard cartridges. 1/10th gallon, half-barrel with smooth rod and quick release mechanism. Use for light to medium applications of glazing, sealants, caulks and other cartridge products.

Stk.	Mfr.	Price
532804	3985	\$4.24

### Skeleton Caulk Gun



**Red Devil** Fits all standard cartridges. 1/10th gallon, heavy-duty uni-rail construction with hex piston rod and quick release lever. Use for light to medium applications.

Stk.	Mfr.	Price
532803	3986	\$7.18

## DUST MASKS & RESPIRATORS



### Nuisance Dust Masks

**Sperian** Disposable mask provides basic protection against non-toxic dust, pollen, mold and dander. Universal, one size.

**For comfort only. Not a respirator, does not provide lung protection.**

Stk.	Mfr.	Qty.	Price
<b>475130</b>	14110094CC	50	<b>\$7.42</b>



### N95

**3M** Provides reliable protection against certain non-oil based particles. Features Advanced Electret Media, adjustable nose clip and nose foam for a custom fit and secure seal. Use for handling and working with grinding, sanding, sweeping, bagging, drywall materials and dusty operations.

**For comfort only. Not a respirator, does not provide lung protection.**

Stk.	Mfr.	Qty.	Price
<b>590406</b>	8200	20	<b>\$15.00</b>



### Safe-T-Fit Plus Respirators

**Sperian** Molded cup N95 particulate disposable respirators offer protection and comfort.

**NIOSH 42 CFR 84 approval. 95% efficiency against solid particulates & non-petroleum based**

**liquid aerosols. Time use restrictions may apply. For comfort only. Not a respirator, does not provide lung protection.**

Stk.	Mfr.	Size	Qty.	Price
<b>475131</b>	14110388	Medium/Large	20	<b>\$18.50</b>



### Tekk Protection™ Nuisance Dust Masks

**3M** Disposable dust masks provide relief from the irritating effects of non-harmful dust.

**Not NIOSH approved. For comfort only. Not a respirator, does not provide lung protection.**

Stk.	Mfr.	Qty.	Price
<b>590420</b>	8661PC1-15A	15	<b>\$11.80</b>



### Half-mask Respirators

**3M** Economical, lightweight respirators can be disassembled, cleaned and reused. Features soft thermoplastic elastomer facepiece, good visibility and easy-adjust head straps. Use to protect students from a variety of gases, vapors and particulate hazards (including petrochemical,

chemical manufacturing, construction, transportation & electronics). When properly fitted, helps provide respiratory protection from certain organic vapors at concentrations up to 10x the Permissible Exposure Limit (PEL).

**Meets NIOSH standard. 2 filters required for each mask, sold separately.**

Stk.	Mfr.	Size	Qty.	Price
<b>942682</b>	6200	Medium	1	<b>\$16.30</b>
<b>942683</b>	6300	Large	1	<b>\$16.30</b>

**Organic Vapor Cartridge** Meets NIOSH 42 CFR Part 84 standard. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>942684</b>	6001PB1-1		2	<b>\$12.90</b>



### Twin Cartridge Respirators

**Binks** Finest quality silicone face piece for outstanding comfort, easy cleanup and long life. Will not deteriorate after repeated washing and exposure to paints and solvents. Combination cradle/neckstrap for a non-slip comfortable fit. Equipped with heavy-duty oil resistant filters for extra loading capacity.

**Includes** 2 filters & storage bag.

**Meets NIOSH 42 CFR Part 84 standard.**

Stk.	Mfr.	Size	Qty.	Price
<b>240407</b>	40-128	Medium	1	<b>\$74.30</b>
<b>240408</b>	40-143	Large	1	<b>\$74.30</b>

**Respirator Cartridges** Offers protection against certain organic vapors, lacquers & enamels. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>240570</b>	40-1921		2	<b>\$19.20</b>

**Respirator Filters** Specially engineered heavy-duty oil resistant filters for increased respiratory protection. 2 filters required for each mask.

Stk.	Mfr.	Size	Qty.	Price
<b>240574</b>	40-1924-10		10	<b>\$32.60</b>



### Respirator Wipes

**sellstrom** Individually packaged wipes keep respirator safe & clean. Each easy-to-use non-alcohol towelette measures 5-1/4" x 7-1/2". Self-dispensing box can rest on counter or hang on wall.

Stk.	Mfr.	Qty.	Price
<b>772529</b>	22185	100	<b>\$10.30</b>

## SPRAY BOOTHS



### Painting Hood & Cabinet System

**Shain** Fabricated of 18 ga. steel with corrosion resistant, powder coat baked epoxy finish. The upper booth enclosure includes a standard vapor-proof light and two filters set in an easy to change flange bracket system. Globe interior light is mounted and wired to common junction box.

Blower motor operates at an RPM designed to provide 100 LFM and approximately 3/4" of static pressure. Blower is mounted on top and wired to common junction box. Cabinet constructed of solid hardwood, solid maple and maple veneers with locking double doors and

1 adjustable shelf. Galvanized steel top.

Dimensions: 36"W x 24"D x 97.75"H.

**Secure cabinet to the wall for safety. Hardware not included.**

Stk.	Mfr.	Price
<b>155005</b>	8200M	<b>\$4,656.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



### HSSB Bench Top Spray Booth

**Pasche** Rugged, compact, portable, easy-to-assemble unit is perfect for small ceramics to radio control models. Intended to remove larger particles from the air (but will not remove all hazardous airborne materials). When spraying materials that have strong vapors or harmful chemicals, vent exhaust outside (& when necessary wear goggles & protective paint/vapor mask). Made of durable, galvanized metal for easy cleaning.

115V, 1/4 HP, 1 Phase. Inside working area 16"H x 20"D.

**Includes** carbon & fiberglass filter system, vent & enclosed motor.

#### 22"L (inside) 235 cfm. Weight 39 lbs. (shipping)

Stk.	Mfr.	Price
640370	HSSB-22-16	\$311.00

#### 30"L (inside) 470 cfm. Weight 44 lbs. (shipping)

640371	HSSB-30-16	\$506.00
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#### Charcoal Replacement Filter, 1/pkg.

640280	CHAR-8	\$8.60
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#### Polyester Replacement Filters, 2/pkg.

640298	AG-8-2	\$6.88
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### BBF Bench Top Spray Booth

**Pasche** Made of 20 ga. galvanized steel, this unit's powerful motor filters dangerous fumes away from students. Its large size accommodates spraying of parts. Convenient, disposable fiberglass filters. Booths in single or multiple sections are ideal where space is limited.

Inside working area 2'W x 2'H x 2'6"D.

Outside size 2'1"W x 3'1"H x 3'D. 140 lbs.

**Includes** belt guard, draft gauge, 2 sets of filters, vent & enclosed motor.

**Must be assembled & hardwired.**

Stk.	Mfr.	Volts	HP	Phase	CFM	Price
640349	BBF-2	115	1/4	1	1,100	\$1,456.00
640350	BBF-2	230	1/4	3	1,100	\$1,456.00

**Replacement Filters Pasche** Convenient, disposable fiberglass filters. Fits Pasche BBF & EBF Series Bench Top Spray Booths. 12" x 25" x 2". 50/pkg.

Stk.	Mfr.	Price
640299	AG-12	\$90.20



### EBF Series Bench Top Spray Booth

**Pasche** Suitable for almost any type of painting. Air is channeled from the open booth face, then pulled through the rear filter wall. Aluminum fan blade. 1,725 rpm motor catches overspray particulates with filters. Fumes are discharged through the ducting and out of building.

115/230V, 1/4 HP, 1 Phase. Inside working area 2'H x 2'6"D.

Outside size 5'8"H x 3'2"D.

**Includes** 2 sets of filters, Manometer® draft gauge, legs, full-assembly drawing w/instructions & all hardware. OSHA, NFPA & EPA compliant.

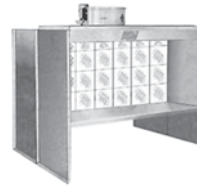
**Please specify voltage. Must be assembled & hardwired.**

#### 12" Fan

Stk.	Mfr.	Length	Weight	Speed (cfm)	Price
640310	EBF-3	3' inside, 3'4" outside	255 lbs.	1,100	\$1,972.00
640311	EBF-4	4' inside, 4'4" outside	287 lbs.	1,100	\$2,108.00

#### 16" Fan

640312	EBF-5	5' inside, 5'4" outside	305 lbs.	1,960	\$2,306.00
640313	EBF-6	6' inside, 6'4" outside	342 lbs.	1,960	\$2,380.00



### Cross Draft Floor Model Spray Booths w/Shelf

**Pasche** Cross draft paint booths with 1,725 rpm motors suitable for almost any type of painting. Air is channeled from the open booth face and pulled through the rear filter wall. Filters catch overspray particulate, while fumes are discharged up through

duct work and out of the building.

• Fluorescent light fixture w/2 vapor-tight tubes (Class 1 Div 2., groups A, B, C, D. Tubes are not included) • Totally enclosed motor

• Fan w/sparkless aluminum blade • Belt guard for fan

230/460V, 3 Phase. Inside working area 4'6"H x 3'D.

Outside area 8'2"H x 5'2"D.

**Includes** 2 sets of filters, Manometer® draft gauge, full-assembly drawing w/instructions & all hardware. OSHA, NFPA & EPA compliant.

**Please specify voltage. Must be assembled & hardwired.**

#### 18" Fan

Stk.	Mfr.	Length	Weight	HP	CFM @ 1/4 SP	Price
640320	FABSF-4-T3	4' inside, 4'4" outside	600 lbs.	1/3	2,420	\$2,850.00
640321	FABSF-6-T3	6' inside, 6'4" outside	800 lbs.	3/4	3,600	\$3,298.00

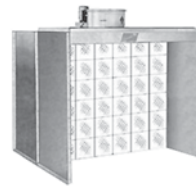
#### 24" Fan

640322	FABSF-8-T3	8' inside, 8'4" outside	1,150 lbs.	3/4	5,350	\$3,740.00
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### Fiberglass Replacement Filters

**Pasche** Fiberglass replacement filters for all FABSF & FABF spray booths.

Stk.	Mfr.	Qty.	Price
640301	AG-20	50	\$94.00



### Cross Draft Walk-in Floor Model Spray Booths

**Pasche** Cross draft paint booths with 1,725 rpm motors are suitable for almost any type of painting. Air is channeled from the open booth face and pulled through the rear filter wall. Filters catch overspray particulate, while fumes are discharged up through duct work and out of the building.

• Fluorescent light fixture w/2 or 4 vapor-tight tubes (Class 1 Div 2., groups A, B, C, D. Tubes are not included) • Totally enclosed motor

• Fan w/sparkless aluminum blade • Belt guard for fan

230/460V, 3 Phase. Inside working area 7'H. Outside area 8'2"H.

**Includes** 2 sets of filters, Manometer® draft gauge, full-assembly drawing w/instructions & all hardware.

**Complies w/OSHA, NFPA & EPA regulations. Please specify voltage. Must be assembled & hardwired.**

#### 18" fan, 2 lights

Stk.	Mfr.	Length	Weight	HP	CFM @ 1/4 SP	Price
640323	FABF-4-7-T3	4' x 3'D inside, 4'4" x 5'2"D outside	500 lbs.	3/4	3,600	\$2,992.00

#### 24" fan, 4 lights

640324	FABF-6-7-T3	6' x 5'D inside, 6'4" x 7'2"D outside	660 lbs.	3/4	5,350	\$3,740.00
640325	FABF-8-7-T3	8' x 6'D inside, 8'4" x 8'2"D outside	1,000 lbs.	1	7,900	\$3,978.00

# SPRAY GUNS



## HVLP Gravity Feed Spray Gun

**Campbell Hausfeld** Operates at lower pressures to minimize paint bounce back and overspray. Reduces paint use by 20-30%. Stainless steel, corrosion-resistant fluid nozzle and needle.

- Provides optimal atomization & particle size
- Adjustable fluid, pattern (1.5"- 10") & spray controls

- Easy-clean, chemical resistant 600 ml. acetel cup
- Easy-clean polished body
- Low/medium paint viscosity
- In-line 80 mesh filter removes dirt particles
- 1-yr. mfr.'s warranty

Stk.	Mfr.	Air Consumption	Air Inlet	Price
291108	DH7900	6.2 avg. @ 40 PSI	1/4" NPS	\$85.00



## Gravity Feed Spray Gun

**Campbell Hausfeld** Pulls paint downward, maximizing paint material usage. Incorporates precision machined components to deliver outstanding finishes. Stainless steel, corrosion-resistant fluid nozzle and needle.

- Provides optimal atomization & particle size
- Adjustable fluid, pattern (1.5"-11") & spray controls

- Easy-to-clean, chemical resistant 600 ml. acetel cup
- Low to medium paint viscosity
- In-line 80 mesh filter removes dirt particles to prevent defects
- 1-yr. mfr.'s warranty

Stk.	Mfr.	Air Consumption	Air Inlet	Price
291107	DH7800	5.9 avg. SCFM @ 40 PSI	1/4" NPS	\$69.30



## Standard Duty Spray Gun

**Binks** Non-bleeder with external mix, siphon feed. Drop-forged aluminum body. Plated, drop-forged brass head. Adjustable spray pattern.

- Adjustable floating fluid needle valve
- Stainless steel air valve cartridge

- Trigger w/hardened steel wear plate
- Use w/3-5 HP compressor w/receiving tank

**Cup sold separately.**

Stk.	Mfr.	Air Consumption	Air Inlet	Fluid Inlet	Price
239255	7-36X36SD	7.8 CFM @ 30 PSI	1/4" NPS	3/8" NPS	\$503.00



## 2100 Manual Air Spray Gun

**Binks** Air nozzle has better atomization for greater finish with less material. Precision-machined forged-aluminum gun is full-sized, well balanced and easy to use.

- Electroless nickel-plated brass air nozzle
- Corrosion-resistant, stainless steel fluid nozzle & needle for waterborne materials

- Ergo grip improves control, spray quality
- Integrated head w/fewer parts
- Cheater valve adjusts air at the gun
- Lower trigger pivot point reduces fatigue
- Nickel-plated brass knobs

**Cup sold separately.**

Stk.	Mfr.	Air Consumption	Air Inlet	Fluid Inlet	Price
239380	2100-66SSX66SD	7.9 CFM @ 30 PSI	1/4" NPS	3/8" NPS	\$283.00



## Multi-purpose Spray Gun

**Speedy** Use as an internal mix pressure feed for heavy-duty spraying of house and barn paints, stains, flat wall finishes, etc. Use also as external mix pressure feed for fast-drying latex paints. Built-in air valve for bleeder or non-bleeder operation. Adjustable air and fluid controls.

**Includes** internal & external mix fan nozzles & qt. cup.

Stk.	Mfr.	Price
279134	SG331PP	\$96.60



## Siphon Feed Spray Gun

**Campbell Hausfeld** Great choice for an economical spray gun. Produces a fine finish for most automotive, furniture and equipment painting. Very low to medium paint viscosity range. 1.5"-9.5" fan pattern size.

- Anti-drip canister
- Adj. controls for material & pattern

**Includes** quart cup.

Stk.	Mfr.	Air Consumption	Air Inlet	Fluid Inlet	Price
291106	DH6500	7 CFM @ 40 PSI	1/4" NPS	.071" NPS	\$45.80



## Production Spray Gun

**Speedy** Handles all types of material and produces very fine atomization for smooth finish. Non-bleeder type gun has 100% external mix — no fouling at the nozzle. May be used with siphon feed cup, gravity paint pot or on air line. To be used only with tank type compressors. Quick-action convenient cup cover.

- Stainless steel needle valve
- Control knob changes spray pattern from round to fan

**Includes** quart cup.

Stk.	Mfr.	Air Consumption	Air Inlet	Fluid Inlet	Price
279000	SG107PP	7 CFM @ 50 PSI	1/4" NPS	3/8" NPS	\$152.00

## Replacement Cup & Cover

279067	PA100				\$79.80
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## General Purpose Spray Gun

**Campbell Hausfeld** Use for a wide range of applications. Changes from siphon to pressure feed for use with a variety of materials. Convertible from non-bleeder to bleeder style for use with standard and tankless air compressors.

- Works w/paint tanks & remote canisters
- Low to high paint viscosity range

- 6.5" fan pattern size

**Includes** quart cup.

Stk.	Mfr.	Air Consumption	Air Inlet	Fluid Inlet	Price
291105	DH4200	2 CFM @ 40 PSI	1/4" NPS	3/8" NPS	\$37.90



## Electric Paint Sprayer

**Wagner** Heavy-duty sprayer delivers 5.4 gal./hr. Ideal for small to medium projects. Sprays thin-bodied materials (i.e. thinned latex paints or stains, sealers, waterproofers or oil-based paints). Long-life tungsten-carbide cylinder. Cup holds 1 qt. or the suction set draws paint directly from a paint can.

**Includes** 5' suction set, 0.8 round-pattern tip, extra atomizer valve & cleaning brush.

Stk.	Mfr.	Max. Pressure	Max. Hose	Weight	Price
943160	0525000A	1700 PSI	5'L	10-1/2 lbs.	\$120.00

### Spray Gun Accessories Binks



**Cup** 1 qt. clamp-type includes drip-proof cover & vent tube.

Stk.	Mfr.	Price
<b>241180</b>	81-800	<b>\$82.70</b>

**Drip-proof Solvent Saver Siphon Cup** Perma-Cote™ nonstick coating inside & out that lets you wipe cup clean w/less solvent & reduced cleanup time. **Includes** quick release cover.

Stk.	Mfr.	Price
<b>241182</b>	81-810	<b>\$98.40</b>

**Paint Strainer** Stainless steel screen w/plastic body strains paint without sticking. Fits all spray gun cups. Fine mesh (145) for lacquers.

Stk.	Mfr.	Price
<b>241095</b>	81-82	<b>\$20.10</b>



### Krud Kutter Parts Washer Cleaner/Degreaser

**Krud Kutter** Safe alternative to hazardous cleaning chemicals such as mineral spirits and other solvents. Multi-purpose formula, with Prevent-X Corrosion Inhibitor™, is designed to be used in immersion, ultrasonic, manual and spray applications. Safely and effectively removes grease, grime, oils, carbon, ink and other organic deposits.

Stk.	Mfr.	Size	Price
<b>889330</b>	EC01	1 gal.	<b>\$24.40</b>

## COMPRESSORS



### Airstorm Air Compressor

**Badger** Lightweight, maintenance-free unit is excellent for moderate use. Features auto shut-off, hinged handle and 1/8" hose connection. ETL certified.

Air delivery (scfm) 0.81 @ 57 psi.  
Size 8-1/4"L x 5-1/2"W x 7-3/4"H. Weight 7.93 lbs.

**Includes** 6' cord w/3-pronged plug, on/off switch, 4 suction-cup feet & 1/8" to 1/4" hose adapter.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
<b>222365</b>	180-15	110	1/6	57 psi	<b>\$209.00</b>

### D500 Air Compressor

**Paasche** Economical, lightweight compressor works with all airbrushes spraying properly thinned fluids. Oil-free unit delivers 20-40 psi.

Air delivery (scfm) 0.4 @ 20 psi.  
Size 14"L x 6"W x 8"H. Weight 12 lbs.

**Includes** 6' cord w/3-pronged plug & 4 suction-cup feet.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
<b>640332</b>	D500	115	1/8	40 psi	<b>\$113.00</b>

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### DC600R Airbrush Compressor

**Paasche** Tank mounted compressor contained in a metal enclosure with carrying handle. Compressor shuts off when airbrush is not in use. Operating pressure 20 to 35 PSI with max pressure up to 65 PSI depending on airbrush being used.

- Protective case w/2 airbrush holders
- 1 gallon tank for pulsation free airbrushing
- Regulator & moisture trap
- Oil-free piston type
- Noise level 50db
- Thermal protected

Size 16"L x 6.5"W x 16"H. Weight 24 lbs.

**Includes** R-75 regulator & moisture trap.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>640335</b>	DC600R	115	1/6	65 psi	1 gal.	<b>\$273.00</b>



### Portable Air Compressor

**Campbell Hausfeld** For inflation, brad nailing, stapling and airbrushing. 1 gal. tank eliminates the pulsations caused by piston action. Conveniently placed, easy-read gauge for easy monitoring of air pressure. Sturdy handle allows handy transport and storage.

Air delivery (scfm) 0.51 @ 40 psi & 0.39 @ 90 psi.

Size 11.8"L x 11.8"W x 12.7"H. Weight 16 lbs.

**Includes** 2 inflation nozzles, needle & adapter, air chuck & 25' recoil hose.

Stk.	Mfr.	Volts	Max. Pressure	Tank Capacity	Price
<b>291141</b>	FP2028	120	100 psi	1 gal.	<b>\$133.00</b>

## AIRBRUSH EQUIPMENT



### Air-Opaque™ Paint

**Badger** For students wanting vibrant color with consistent results. Formulated for air brushes, technical pens and paint brushes on paper, illustration board and canvas, plus wood and Styrofoam® models. Ready-to-use paints are quick drying, water resistant, pre-reduced, colorfast, water-based, nontoxic, nonflammable, noncarcinogenic. Mix paints for more colors.

**Primary Set Includes** crimson, yellow, blue, green, brown, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>222359</b>	701	1 oz.	7	<b>\$24.30</b>

**Secondary Set Includes** scarlet, magenta, orange, violet, indigo, aqua, turquoise.

Stk.	Mfr.	Size	Colors	Price
<b>222360</b>	702	1 oz.	7	<b>\$24.30</b>



### Hobby Spray Gun Set

**Badger** Basic set with everything needed to start working with spray gun. Perfect for jobs requiring a simple but effective spray. Step-by-step hobby guide is filled with helpful sections such as preparation for painting, camouflage, weathering and more.

**Includes** attachable 3/4 oz. jar, 6' air hose, propel regulator & can, 3/4 oz. mixing jar w/cover, 3 MODELflex™ colors, mixing pipette, manual & case.

Stk.	Mfr.	Price
<b>222354</b>	250-7	<b>\$72.20</b>

Proudly serving Educators with Top Name Brand Tools &  
Outstanding Customer Service for over 100 years!



### Model 350 Airbrush Set

**Badger** Single-action, bottom-feed, external mix airbrush is great for stippling and spraying broader areas. Sprays high-viscosity materials such as ceramic glasses and stains and hobby enamels. Made of high-impact nylon, resistant to solvents and paint chemicals.

**Includes** 3 sizes of fluid tips & needle assemblies, 3/4 oz. jar, 2 oz. jar w/ cover, 8' braided air hose, 1/4" pipe thread fitting, wrench & manual.

Stk.	Mfr.	Price
<b>222355</b>	350-4	<b>\$104.00</b>



### Model 360 Universal Airbrush

**Badger** The only airbrush capable of performing in a gravity-feed as well as a bottom-feed mode.

- 360° front end rotation allows for either gravity or bottom feed usage
- Single nozzle/needle sprays from pencil-thin lines to 3" pattern

- Sprays all materials from acrylics to watercolors, inks to lacquers, Air-Opaque™, Air-Tex™ & MODELflex™ airbrush paints
- Finger-tight assembly tolerances
- Balance system corrects weight apportionment
- Trigger cushion is ultra comfortable & ergonomically correct
- Lifetime mfr.'s warranty on labor & Teflon seals

**Includes** all-purpose nozzle/needle, attachable jar, additional jar w/cover, trigger pad, protective cap & manual in plastic case.

Stk.	Mfr.	Price
<b>222357</b>	360-1	<b>\$193.00</b>



### Single-Action Airbrush Set

**Paasche** Sturdy, flexible single-action airbrush for all skill levels. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, 1/4 oz. metal color cup, 1 oz. color bottle assembly w/cap/gasket, 2 color-adjusting parts, 2 air caps, 2 wrenches, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
<b>640330</b>	H-SET	<b>\$72.20</b>



### Double-Action Airbrush Set

**Paasche** Sturdy, flexible double-action airbrush can spray patterns from fine detail to broader coverage handling light, medium and heavy fluids. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, head-protecting cap, 1/4 oz. metal color cup, 1 oz. bottle assembly w/cap/gasket, 2 tips, 2 needles, 2 air caps, wrench, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
<b>640331</b>	VL-SET	<b>\$94.30</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



### Anthem Airbrush Set

**Badger** User-friendly airbrush is versatile and comfortable. The thinner dia. needle and cone-shaped paint tip enable a single needle/tip configuration to spray virtually any desired material, eliminating the need for fine, medium or large needle/tip variations. Also enables novice airbrush user to create and maintain the finest of lines with ease, yet meets the most exacting standards of accomplished users.

**Includes** airbrush w/protective cap, 8' braided air hose, 3/4 oz. jar w/jar adapter, 3/4 oz. jar w/cap, one 2 oz. paint jar, 1/4 oz. color cup & labeled box.

Stk.	Mfr.	Price
<b>222356</b>	155-7	<b>\$145.00</b>



### Crescendo™ Airbrush Set

**Badger** A durable, versatile airbrush that works continuously without breakdown. Spray regulators and tips change easily for greater diversity. Sprays properly reduced acrylics, acrylic enamels and lacquers, gouaches, fabric colors, inks, dyes, ceramic colors and glazes, watercolor, Air-Opaque™, Air-Tex™ and ACCU-flex™ colors.

- Bottom-feed, dual action, internal mix
- 1-piece, no-slip angled trigger for durability & comfort
- Snap-off handle for quick needle changes & cleaning
- Adaptable to 3 head sizes: fine, medium & large

**Includes** airbrush w/3 tips, spray regulators & needles (fine, medium & large), 8' braided air hose, 3/4 oz. jar w/jar adapter, two 2 oz. paint jars, 1/4 oz. metal color cup, 2 trigger pads, airbrush hanger & protective cap.

Stk.	Mfr.	Price
<b>222352</b>	175-7	<b>\$153.00</b>



### Complete Airbrush Outfit

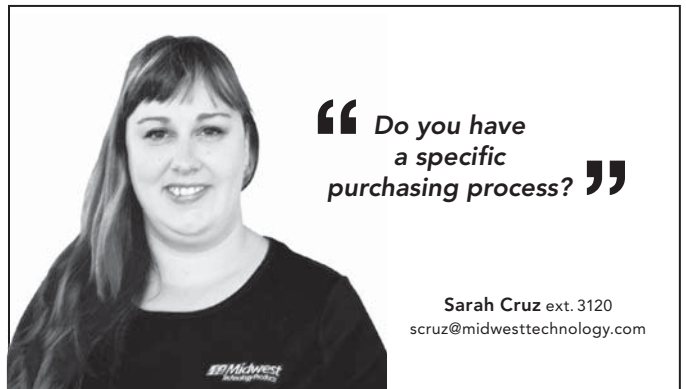
**Speedy** A great setup for the beginning or more experienced hobbyist and crafts maker. Features a hobby compressor with toggle switch for ample, oil-free air delivery.

**Includes** hobby compressor, airbrush quick-release 1 oz. jar & medium material nozzle, extra 1 oz. & 2 oz. jars, 8' air hose & bleeder valve for use w/non-bleeder airbrushes.

Stk.	Mfr.	Item	Price
<b>279220</b>	HS430		<b>\$390.00</b>
<b>279320</b>	HS1520SM	Replacement Jars 3/pkg., 1 oz.	<b>\$14.70</b>

### Jar & Nozzle Assemblies

Stk.	Mfr.	Item	Price
<b>278985</b>	HS31	Fine	<b>\$31.50</b>
<b>278986</b>	HS32	Medium	<b>\$31.50</b>
<b>278987</b>	HS33	Heavy	<b>\$31.50</b>



“ Do you have a specific purchasing process? ”

Sarah Cruz ext. 3120  
 scruz@midwesttechnology.com



### 7,500W GP Series Portable Generator

**Generac** OHV® engine designed specifically for generator use. Utilizes the same type of pressurized oil lubrication used in automobile engines.

- Covered, circuit breaker protected outlets
- Low oil shutdown protection
- Locking, fold-down handle
- 1.25" hardened steel tube frame
- Hour meter to track maintenance
- Steel fuel tank w/built-in fuel gauge
- Never-flat wheel kit
- Electric/Manual start
- Low tone muffler

A/C Voltage: 120V/240 VAC. Size: 28.8"L x 26.8"W x 26"D. Weight: 201 lbs.

**Includes** wheel kit, handle kit, engine oil & starting battery (12VDC 10 Ar).

Stk.	Mfr.	Price
<b>943290</b>	5943	<b>\$1,326.00</b>

## HEAT GUNS



### LCD Heat Gun

**DEWALT** LCD allows temperature adjustments within 50° increments. Features overload protection to shut down heating element (*preventing burn up*), ergonomic comfort grip, kickstand and hang ring. 3-yr. mfr.'s warranty.

120V, 13 Amps. Weight 2.3 lbs.

**Includes** 10' cord w/protector, cone & fishtail surface nozzles.

Stk.	Mfr.	Watts	Air Flow	Max. Temp.	Price
<b>242852</b>	D26960	1,550	17.7 CFM	150° - 1,100°F	<b>\$146.00</b>



### 1500W Heat Gun

**PORTER+CABLE** Variable temperature dial allows for easy adjustment of temperatures. Integrated support stand allows the gun to sit upright for hands free use. Hanging hook is ideal for storage. 6' high grade cord improves flexibility during cold use. Weight 2 lbs.

Stk.	Mfr.	Watts	Air Flow	Max. Temp.	Price
<b>626673</b>	PC1500HG	1,500	19 CFM	120° - 1,150°F	<b>\$45.50</b>

## ENGRAVERS



### Cordless Power Precision Engraver

**General** Powerful 20,000 RPM motor for engraving in glass, metal, ceramic and plastic. Aluminum body offers superior durability and the ergonomic grip provides comfort and ease-of-use. Uses standard 3/32" engraving bit.

**Includes** 2 AAA batteries.

Stk.	Mfr.	Price
<b>418500</b>	505	<b>\$20.00</b>



### Electric Engraver

**Dremel** Writes like a pencil on any material from glass to steel. Calibrated stroke adjustment dial regulates depth of engraving from fine lines to deep marks. 115V, 7,200 spm.

**Includes** carbide point (9924).

Stk.	Mfr.	Item	Price
<b>343080</b>	290-01		<b>\$23.80</b>

### Replacement Points

Stk.	Mfr.	Item	Price
<b>344120</b>	9924	Carbide Point	<b>\$7.11</b>
<b>344125</b>	9929	Diamond Point	<b>\$19.90</b>



### Engraver GG12

**Proxxon** Create fine details in glass, metal, wood and plastic. Easy-to-control engraver pen

weighs only 4 oz. Engrave for hours without fatigue. Ball bearing assembly for smooth, almost vibration free action. 2-yr. mfr.'s warranty.

12V, 20,000 rpm.

**Includes** diamond bit.

**Requires Micromot AC Adapter, sold separately.**

Stk.	Mfr.	Price
<b>303013</b>	28592	<b>\$26.60</b>

**Micromot AC Adapter Proxxon** For use with Engraver Mfr. 28592.

Stk.	Mfr.	Price
<b>303012</b>	38706	<b>\$46.90</b>

## OSCILLATING MULTI-TOOLS



### Multi-Max™ Oscillating Tool Kit

**Dremel** Versatile multitasking tool for cutting, grinding, sanding, scraping and grout removal. Compact design provides easy access to tight areas.

- 3.2° oscillation angle provides faster cutting & performance
- Wide speed range for optimal precision & control
- Quick release on-tool integrated wrench
- Quick-hold magnetic accessory interface
- 7' durable rubber cord
- Mfr.'s 2-yr. warranty

**Includes** drywall jab saw, flush cutting blade, grout blade, flexible scraper blade, wood & drywall blade, wood flush cut blade, hook & loop pad, 11 sanding sheets & case.

Stk.	Mfr.	Volts	Amps	Speed (opm)	Price
<b>343539</b>	MM30-03	120	2.5	10,000 - 23,000	<b>\$136.00</b>

### Flush Cut Blades Dremel

Stk.	Mfr.	Item	Price
<b>343540</b>	MM411	3/8" Wood	<b>\$13.20</b>
<b>343542</b>	MM440	3/4" Wood	<b>\$14.30</b>
<b>343541</b>	MM422	3/4" Wood & Metal	<b>\$11.50</b>

### 5-Piece Cutting Kit

**Dremel** Cut & notch drywall, wood, plastic, metal & more. For use with Dremel models 6300, 8300, MM20, MM30 & MM40.

**Includes** 3 wood & drywall blades, one 3/4" wood flush cut blade & one 3/4" wood/metal flush cut blade, plus molded case.

Stk.	Mfr.	Price
<b>343543</b>	MM385-01	<b>\$43.20</b>

### Oscillating Multi-Tool Kit

#### PORTER+CABLE



- Tool free blade changes
- Depth & cutting guide makes cutting tasks faster & more controlled
- VS dial optimizes performance & control
- 3-position over mold provides gripping area & reduces vibration
- 10' cord

**Includes** depth/cutting guide, precision wood end-cut blade, wood/metal end-cut blade, flush cut blade, sanding platen, 25 sandpaper sheets, flexible scraper & case.

Stk.	Mfr.	Volts	Amps	Speed (opm)	Price
<b>626668</b>	PCE605K	120	3	10,000-22,000	<b>\$165.00</b>





**Multi-X™ Oscillating Tool Kit**  
**BOSCH** Designed for many applications including flush-cutting, plunge cutting, sanding, grinding, grout removal and scraping.

- 3 Amps for heavier applications
- Easy brush access
- VS dial for matching speed to application & material
- Constant Response™ circuitry maintains speed under load
- Ball joint cord swivel for easy positioning tool & cord durability
- Ergonomic small grip circumference for comfort & control
- Small enough to reach into corners & other tight spaces
- Reinforced gearing & metal gear housing for optimal force transmission, durability & low vibration
- Non-marring plastic ribs protects vertical surface in front of tool

Oscillating angle L/R 1.4° (2.8° total).

Tool size 10.9"L, 6.9" grip dia. Tool weight 3.6 lbs.

**Includes** Japanese-tooth wood saw blade, rigid scraper blade, wood/metal saw blade, RIFF grout blade, wood plunge cut blade, sanding pad, 15 wood & paint sanding sheets, 12'L cord, accessory box & nylon case.

Stk.	Mfr.	Volts	Amps	Speed (opm)	Price
<b>259760</b>	MX30EC-2I	120	3	8,000-20,000	<b>\$291.00</b>



**MultiMaster Oscillating Tool Kit**  
**Fein** The high performance, universal system for interior construction and renovation with comprehensive accessories for unrivaled versatility.

- Self-supporting motor w/vibration decoupling for vibration & noise reduction

- 8-point tool mounting for outstanding torque transfer
- Highest quality & stability due to metal gear case, consistent use of ball or needle bearings & a motor designed for continuous use
- Convenient QuickIN rapid-clamping system
- Electronic speed control w/tacho generator for constant speed, even under load
- Integrated interface for mounting additional system accessories
- Softgrip zone provides optimal handling

Tool weight 3.1 lbs.

**Includes** backing pad, 12 sanding sheets, perforated backing pad, 12 perforated sanding sheets, 4-1/2" dia. perforated sanding disc, six 4-1/2" perforated sanding sheets, 5 saw blades, carbide segment saw blade, carbide rasp (triangular), rigid scraper blade, dust extraction assembly & case.

Stk.	Mfr.	Volts	Speed	Price
<b>411604</b>	FMM-350Q-TOP	120	10,000-19,500	<b>\$419.00</b>



**Oscillating Multi-Material Multi-Tool Kit**  
**DEWALT** Powerful 3 Amp motor provides strong performance for cutting and sanding.

- QUICK-CHANGE™ accessory system
- DUAL-GRIP™ variable speed trigger gives users ultimate speed & application control
- Bright LED light illuminates dark work surfaces for accurate cutting
- Tool guide system sets depth or height for accurate repeatability
- 3-yr. mfr.'s limited warranty

Oscillating angle 1.6°. Tool weight 3.1 lbs.

**Includes** oscillating tool guide system, wood w/nails blade, fast-cut wood blade, semi-circle blade, sanding pad, 25 sheets of sand paper, accessory storage box, multi-brand accessory adapter & tool bag.

Stk.	Mfr.	Volts	Amps	Speed (opm)	Price
<b>243053</b>	DWE315K	120	3	0-22,000	<b>\$251.00</b>

## SANDERS



**Multi-Finishing Sander**  
**SKIL**

Pad 1"W triangular. Tool size 10-1/4"L x 4"H. Tool weight 2.5 lbs.

Stk.	Mfr.	Volts	Amps	Speed (opm)	Price
<b>260569</b>	7302-02	120	1.2	12,000	<b>\$57.80</b>

**15-Piece Sandpaper Kit Includes** 60, 80 & 120 grits.

<b>260562</b>	73114				<b>\$10.20</b>
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**Work Mat**  
**SKIL**

Sure grip, easy-to-clean surface holds sanding or routing workpieces w/out clamps or marring. 24" x 36".

Stk.	Mfr.	Price
<b>258953</b>	RAS120	<b>\$14.40</b>



**Bench Cookie™ Cones**

**Bench Dog** Protects the top pad of any Bench Cookie™ while finishing. Snaps to any cookie to add grip. Won't slide on work surface. Stackable. 4/pkg.

Stk.	Mfr.	Price
<b>235424</b>	10-054	<b>\$6.65</b>



**Bench Cookie™ Set**

**Bench Dog** Non-marring, firm-grip rubber pads protect workpiece surface & prevent slipping while planing, routing, sanding, carving & more. Provides level surface & extra clearance. Makes edge routing & finishing easy. Fast set-up. Durable for long-term use. 3" dia. x 1"H each. 4/pkg.

Stk.	Mfr.	Price
<b>235412</b>	10-035	<b>\$14.30</b>

“ Not sure what tool is right for your project or program? ”



**Dan Goodwin** ext. 3104  
 dgoodwin@midwesttechnology.com

**Finishing Sanders**



**Black & Decker** 246053 **BOSCH** 259768 **DEWALT** 242840 **HITACHI** 616640 **Makita** 511433 **Milwaukee** 575880



**PORTER+CABLE** 622268 **PORTER+CABLE** 622872 **SKIL** 260536 **Makita** 511437 **BOSCH** 258940 **Makita** 511463

**1/4 Sheet Sanders Paper size 4-1/2" x 5-1/2"**

Stk.	Mfr.	Brand	Volts	Amps	Speed (opm)	Orbit Dia.	Pad Size	Tool Size	Tool Weight	Price
<b>246053</b>	BDEQS300	Black & Decker	120	2	1,600	N/A	N/A	N/A	N/A	<b>\$49.80</b>
<b>259768</b>	1297D	Bosch	120	2	12,000	1/16"	4-1/2" x 4"	10"L x 5-3/4"H	2.7 lbs.	<b>\$81.60</b>
<b>242840</b>	D26441K	DeWalt	120	2.4	14,000	1/16"	4-1/8" x 4-1/2"	N/A	3 lbs.	<b>\$86.30</b>
<b>616640</b>	SV12SG	Hitachi	115	1.7	14,000	1/16"	4-3/8" x 4"	5-3/8"H	2.4 lbs.	<b>\$73.90</b>
<b>511433</b>	BO4556K	Makita	120	2	14,000	1/16"	4-1/2" x 4"	5-9/16"H	2.4 lbs.	<b>\$88.40</b>
<b>575880</b>	6020-21	Milwaukee	120	3	14,000	1/16"	4-1/8" x 4-1/2"	5-1/2"L	3.2 lbs.	<b>\$72.00</b>
<b>622268</b>	330	Porter Cable	120	1.2	14,000	5/64"	4-1/8" x 4-1/2"	4-1/2"L	4 lbs.	<b>\$126.00</b>
<b>622872</b>	380	Porter Cable	120	2	13,500	1/16"	4-1/4" x 4-1/2"	9"L x 5-1/4"H	2.3 lbs.	<b>\$67.00</b>
<b>260536</b>	7292-02	Skil	120	2	14,000	N/A	4-1/8" x 4-1/2"	N/A	N/A	<b>\$49.80</b>

**1/3 Sheet Sander Paper size 3-5/8" x 9"**

<b>511437</b>	BO3710	Makita	120	1.7	11,000	1/8"	3-5/8" x 7-1/4"	10"L x 6"H	3.5 lbs.	<b>\$81.60</b>
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**1/2 Sheet Sander Paper size 4-1/2" x 11"**

<b>258940</b>	OS50VC	Bosch	120	3.4	11,000	3/32"	4-1/2" x 9"	9"L x 8"H	6 lbs.	<b>\$485.00</b>
<b>511463</b>	BO4900V	Makita	115	2.9	4,000-10,000	N/A	4-1/2" x 9"	11-3/8"L	6.2 lbs.	<b>\$269.00</b>

**3X High Performance Stick & Sand Sandpaper Sheets**

**NORTON** Adhesive-backed sanding sheets provide superior sanding performance for a premium surface finish. Premium heat-treated aluminum oxide abrasive excellent on all surfaces and coatings. Will not clog, tear or transfer color. 4-1/2" x 4-1/2" sheets.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>598700</b>	06079	60 Coarse	4	<b>\$3.80</b>
<b>598701</b>	06078	100 Medium	4	<b>\$3.80</b>
<b>598702</b>	06077	150 Fine	4	<b>\$3.80</b>

**Multisand 4-1/2" Adhesive-backed Sanding Roll**

**NORTON** Attaches easily. Press & the adhesive mates w/the special pad for a tight, secure fit. Eliminate wasted paper used for clamping. Cut the length of paper needed.

Stk.	Mfr.	Grit	Size	Price
<b>636576</b>	49247	320	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636574</b>	49248	220	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636573</b>	49249	180	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636575</b>	49250	150	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636572</b>	49251	120	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636571</b>	49252	100	10 yd. x 4-1/2"W	<b>\$21.30</b>
<b>636570</b>	49254	80	10 yd. x 4-1/2"W	<b>\$23.80</b>

**Multisand Clamp & Sand Sanding Sheets**

**NORTON** For general purpose hand or machine sanding of wood, metal, plastic and fiberglass. Also for removing old paint.

**Fine** For final sanding or cleaning of surfaces.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
<b>608350</b>	48295	150	3-2/3" x 9"	6	<b>\$2.70</b>
<b>608360</b>	48353	150	4-1/2" x 11"	6	<b>\$3.21</b>

**Medium** For moderate removal of wood, light paint, varnish, or rust.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
<b>608352</b>	48310	100	3-2/3" x 9"	6	<b>\$2.70</b>
<b>608361</b>	48354	100	4-1/2" x 11"	6	<b>\$3.21</b>

**Coarse** For heavy removal of wood, coatings, or rust.

Stk.	Mfr.	Grit	Size	Qty./Pkg.	Price
<b>608354</b>	48325	60	3-2/3" x 9"	6	<b>\$2.87</b>
<b>608362</b>	48355	60	4-1/2" x 11"	4	<b>\$3.21</b>

**Pressure Sensitive Replacement Pad**

**PORTER+CABLE** For Mfr. 330.

Stk.	Mfr.	Price
<b>627165</b>	13597	<b>\$13.20</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

Please visit **midwesttechnology.com** for the complete specifications of the products listed on this page.

Random Orbit Sanders



5" Sanders

Stk.	Mfr.	Brand	Volts	Amps	Speed (opm)	Orbit Dia.	Disc Size	Tool Size	Tool Weight	Price
<b>242849</b>	D26450	DeWalt	120	3	12,000	3/32"	5" PSA	N/A	3.4 lbs.	<b>\$97.70</b>
<b>242850</b>	D26451K	DeWalt	120	3	12,000	3/32"	5" H&L	N/A	3.4 lbs.	<b>\$88.60</b>
<b>242853</b>	D26453K	DeWalt	120	3	7,000-12,000	3/32"	5" H&L	N/A	3.5 lbs.	<b>\$118.00</b>
<b>259470</b>	ROS10	Bosch	120	2.2	12,000	3/32"	5" H&L	9"L x 6"H	3.5 lbs.	<b>\$86.30</b>
<b>260292</b>	3107DVS	Bosch	120	3.3	4,500-13,000	3/16"	5" H&L	10-1/4"L x 7-5/8"H	5 lbs.	<b>\$154.00</b>
<b>511512</b>	BO5030	Makita	115	3	12,000	1/8"	5" H&L	6"L x 6"H	3.3 lbs.	<b>\$113.00</b>
<b>575884</b>	6021-21	Milwaukee	120	3	12,000	3/32"	5" H&L/PSA	5-1/2"L	3.3 lbs.	<b>\$89.60</b>
<b>616641</b>	SV13YB	Hitachi	120	2	12,000	1/8"	5" H&L	6"L x 6"H	3.1 lbs.	<b>\$105.00</b>
<b>622873</b>	382	Porter Cable	120	1.9	12,000	11/32"	5" H&L	11"L x 5.5"H	3 lbs.	<b>\$86.00</b>
<b>624434</b>	7345	Porter Cable	120	4.5	2,500-6,800	11/32"	5" PSA	11"L x 10"H	5 lbs.	<b>\$197.00</b>
<b>693835</b>	RK4246K	Rockwell	120	2.8	5,000-12,000	3/32"	5" H&L	5-1/4"L x 6"H	3 lbs.	<b>\$96.40</b>

6" Sander

Stk.	Mfr.	Brand	Volts	Amps	Speed (opm)	Orbit Dia.	Disc Size	Tool Size	Tool Weight	Price
<b>624435</b>	7346	Porter Cable	120	4.5	2,500-6,800	11/32"	6" PSA	11"L	5.5 lbs.	<b>\$203.00</b>

Random Orbit Sander Accessories

Bosch 5" Sanders

Stk.	Mfr.	Item	Price
<b>258950</b>	RS030	8-Hole Extra Soft Hook & Loop Pad. For Mfr. 3107DVS.	<b>\$16.30</b>
<b>258951</b>	RS031	8-Hole Soft Hook & Loop Pad. For Mfr. 3107DVS.	<b>\$16.30</b>
<b>258952</b>	RS032	8-Hole Hard Hook & Loop Pad. For Mfr. 3107DVS.	<b>\$16.30</b>
<b>258948</b>	RS026	Microfilter Dust Canister. For Mfr. 3107DVS.	<b>\$14.80</b>

Makita 5" Sanders

Stk.	Mfr.	Item	Price
<b>511881</b>	743081-8	Hook & Loop Pad. For Mfr. BO5030.	<b>\$31.80</b>

Porter Cable 5" Sanders

Stk.	Mfr.	Item	Price
<b>627294</b>	14700	5-Hole Standard Profile PSA Pad. For Mfr. 7345.	<b>\$25.80</b>
<b>627296</b>	15000	5-Hole Standard Profile Hook & Loop Pad. For Mfr. 7345.	<b>\$28.90</b>
<b>627297</b>	15001	5-Hole Contour Hook & Loop Pad. For Mfr. 7345.	<b>\$34.60</b>
<b>627189</b>	13700	No Hole Standard Profile PSA Replacement Pad. For Mfr. 7345.	<b>\$27.00</b>
<b>627190</b>	13701	No Hole Contour PSA Replacement Pad. For Mfr. 7345.	<b>\$42.90</b>
<b>627700</b>	151281-08	8-Hole Hook & Loop Pad. For Mfr. 382 343K, 343VSK.	<b>\$22.40</b>
<b>626635</b>	N063102SV	Dust Canister. For 343K, 343 VSK, 344 & 333, 334, 382.	<b>\$9.94</b>

**Porter Cable 5 & 6" Sanders Includes** dust collection hood, dust collection hose & 1-1/2" to 2-1/2" adapter.

Stk.	Mfr.	Item	Price
<b>636607</b>	73333	Dust Hood & Hose. For Mfr. 7334, 7335, 7336. Dust collector sanding pads sold separately.	<b>\$41.80</b>

Porter Cable 6" Sanders

Stk.	Mfr.	Item	Price
<b>627300</b>	18001	6-Hole Standard Profile Hook & Loop Pad. For Mfr. 7346.	<b>\$31.70</b>
<b>627210</b>	16000	No Hole Standard Profile PSA Pad. For Mfr. 7346.	<b>\$29.30</b>

5" Random Orbital Sander Replacement Pads

**DEWALT**

Hook & Loop For 333.

Stk.	Mfr.	Item	Price
<b>627200</b>	13905	5-Hole Contour	<b>\$22.60</b>
<b>627209</b>	13904	5-hole Standard Profile	<b>\$23.10</b>

PSA For 332.

Stk.	Mfr.	Item	Price
<b>627207</b>	13900	Standard Profile	<b>\$23.10</b>

PSA For 334.

Stk.	Mfr.	Item	Price
<b>627208</b>	13901	5-hole Standard Profile	<b>\$23.10</b>
<b>627701</b>	151281-09	8-Hole	<b>\$22.40</b>

## 5" Eight Hole Hook & Loop Paper Sanding Discs

**NORTON** Aluminum oxide discs with heavy-duty, tear resistant hook-and-loop backing.

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>608478</b>	49155	220	4	<b>\$4.35</b>
<b>608496</b>	49218	220	25	<b>\$14.60</b>
<b>608497</b>	49219	180	25	<b>\$14.60</b>
<b>608479</b>	49156	150	4	<b>\$4.35</b>
<b>608502</b>	49220	150	25	<b>\$14.60</b>
<b>600489</b>	02208	120	4	<b>\$4.18</b>
<b>608498</b>	49221	120	25	<b>\$14.60</b>
<b>608481</b>	49157	100	4	<b>\$4.35</b>
<b>608501</b>	49222	100	25	<b>\$14.60</b>
<b>600490</b>	02209	80	4	<b>\$4.18</b>
<b>608499</b>	49223	80	25	<b>\$15.20</b>
<b>608480</b>	49158	60	4	<b>\$4.35</b>
<b>608500</b>	49224	60	25	<b>\$15.80</b>

## Open Coat Abrasive Discs

**NORTON** Resist loading and provide more consistent cutting and finishing. Self-adhesive discs stay flat against sanding pad without wrinkling or tearing and avoid the uneven wear that shortens abrasive life.

### 5" Adhesive

Stk.	Mfr.	Holes	Grit	Qty./Box	Price
<b>600474</b>	01647	5	220	50/roll	<b>\$16.20</b>
<b>600473</b>	01645	5	150	50/roll	<b>\$16.20</b>
<b>600472</b>	01644	5	120	50/roll	<b>\$16.20</b>
<b>600471</b>	01643	5	100	50/roll	<b>\$16.20</b>
<b>636540</b>	73-550-08-25	5	80	25	<b>\$15.20</b>
<b>600470</b>	01642	5	80	50/roll	<b>\$17.20</b>
<b>636549</b>	72-580-22-25	8	220	25	<b>\$13.00</b>
<b>636548</b>	72-580-18-25	8	180	25	<b>\$13.00</b>
<b>636547</b>	72-580-12-25	8	120	25	<b>\$13.00</b>
<b>636546</b>	72-580-10-25	8	100	25	<b>\$11.10</b>
<b>636545</b>	72-580-08-25	8	80	25	<b>\$13.00</b>
<b>608542</b>	49825	None	220	100/roll	<b>\$31.30</b>
<b>608541</b>	49827	None	150	100/roll	<b>\$31.30</b>
<b>608539</b>	49830	None	80	100/roll	<b>\$36.00</b>
<b>608504</b>	49232	None	220	50/roll	<b>\$16.20</b>
<b>608507</b>	49239	None	150	50/roll	<b>\$16.20</b>
<b>608505</b>	49236	None	100	50/roll	<b>\$16.20</b>
<b>608506</b>	49238	None	80	50/roll	<b>\$17.20</b>

### 5" Hook & Loop

<b>636544</b>	73-550-22-25	5	220	25	<b>\$15.20</b>
<b>636543</b>	73-550-18-25	5	180	25	<b>\$15.20</b>
<b>636542</b>	73-550-12-25	5	120	25	<b>\$15.20</b>
<b>636541</b>	73-550-10-25	5	100	25	<b>\$13.60</b>
<b>600501</b>	04057	5 & 8	220	25	<b>\$14.70</b>
<b>600500</b>	04058	5 & 8	180	25	<b>\$14.70</b>
<b>600502</b>	04059	5 & 8	150	25	<b>\$14.70</b>
<b>600503</b>	04060	5 & 8	120	25	<b>\$14.70</b>
<b>600504</b>	04061	5 & 8	100	25	<b>\$14.70</b>
<b>600505</b>	04062	5 & 8	80	25	<b>\$15.30</b>
<b>600506</b>	04063	5 & 8	60	25	<b>\$15.90</b>
<b>608540</b>	49829	None	100	100/roll	<b>\$31.30</b>

### 6" Adhesive

<b>608508</b>	49240	None	220	50/roll	<b>\$21.00</b>
<b>608509</b>	49242	None	150	50/roll	<b>\$21.00</b>
<b>608510</b>	49244	None	100	50/roll	<b>\$21.00</b>
<b>608511</b>	49246	None	80	50/roll	<b>\$23.40</b>

### 6" Hook & Loop

<b>600452</b>	01635	6	220	25	<b>\$20.50</b>
<b>600451</b>	01634	6	150	25	<b>\$20.50</b>
<b>600450</b>	01633	6	100	25	<b>\$20.50</b>
<b>600453</b>	01636	6	80	25	<b>\$21.50</b>



## Belt & Disc Cleaner

**Woodstock** Pro-Stik® cleans all belts and discs for longer life. Improves finish quality. Quick, easy to use. For belt & disc sanders.

Stk.	Mfr.	Size	Price
<b>786800</b>	W1305	1-3/8" x 1-3/8" x 8-1/2"	<b>\$9.32</b>
<b>786802</b>	W1307	2" x 2" x 12"	<b>\$18.00</b>

## Feathering Disc Adhesive



**3M** Allows multiple disc applications w/out buildup or paper delamination. Discs remove easily & cleanly.

Stk.	Mfr.	Size	Price
<b>590401</b>	08051	5 oz.	<b>\$24.90</b>



## PSA Disc Roll Dispenser

**NORTON** Individually dispenses & removes disc from roll. For 5" or 6" disc roll or sheet roll.

Stk.	Mfr.	Price
<b>608170</b>	42772	<b>\$84.60</b>

## Spray Adhesive



**Elmer's** Aerosol spray adhesive for general use when a strong, permanent bond is desired. Stronger tack, quick dry, dries clear, resists bleed through, will not swell or warp, water resistant, acid free. Conforms to ASTM D 4236. ACM Certified.

Stk.	Mfr.	Bond	Qty.	Price
<b>257620</b>	E451	Standard	11 oz.	<b>\$7.78</b>
<b>257623</b>	E456	Extra Strength	10 oz.	<b>\$10.20</b>

## High-Strength Spray Adhesive



**Krylon** Permanent, high-strength adhesive w/extended open tack time (30 min. dry to touch, 3 hrs. dry to handle). Dries clear w/out bleed through, will not swell, wrinkle or warp, acid free & archival-safe. Use for wood, metal, wicker, plastic, glass, craft foam, plaster, ceramic, fabric, paper & paper mache.

Stk.	Mfr.	Qty.	Price
<b>943196</b>	7010	11 oz.	<b>\$8.26</b>

## Super 77™ Multipurpose Adhesive Aerosol



**3M** High-tack, high-coverage and fast-drying adhesive with lower VOC formula. Bonds many foils, plastics, paper foams, paper, cardboard and metals to painted or unpainted metals, wood and hardboard. Fast, aggressive tack with strength to 10 psi. 220 sq./ft. per can. Heat resistant to 110°F. FDA acceptable (21 CFR 175.10).

Stk.	Mfr.	Size	Price
<b>590400</b>	77	16.5 oz.	<b>\$22.10</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

## Belt Sanders



**PORTER+CABLE 622874** *Makita*



**511567 PORTER+CABLE 622554** *Makita*



**511569 PORTER+CABLE 622603**



**PORTER+CABLE 622604** *Makita*



**511537 PORTER+CABLE 622737 PORTER+CABLE 622738**



### 2-1/2" x 14"

Stk.	Mfr.	Brand	Volts	Amps	Speed (sfpm)	Tool Size	Tool Weight	Price
<b>622874</b>	371K	Porter Cable	120	5	1,100	10-3/4"L	5 lbs.	<b>\$176.00</b>

### 3" x 21"

Stk.	Mfr.	Brand	Volts	Amps	Speed (sfpm)	Tool Size	Tool Weight	Price
<b>511567</b>	9903	Makita	115	8.8	690-1,440	11-5/8"L	9.5 lbs.	<b>\$328.00</b>
<b>622554</b>	352VS	Porter Cable	120	8	850-1,300	11-3/4"L	10.75 lbs.	<b>\$221.00</b>

### 3" x 24"

Stk.	Mfr.	Brand	Volts	Amps	Speed (sfpm)	Tool Size	Tool Weight	Price
<b>511569</b>	9920	Makita	115	8.8	690-1,440	13-1/8"L	9.9 lbs.	<b>\$336.00</b>
<b>622603</b>	360	Porter Cable	120	12	1,500	14"L	14.5 lbs.	<b>\$320.00</b>
<b>622604</b>	360VS	Porter Cable	120	12	1,000-1,500	14"L	14.5 lbs.	<b>\$320.00</b>

### 4" x 24"

Stk.	Mfr.	Brand	Volts	Amps	Speed (sfpm)	Tool Size	Tool Weight	Price
<b>511537</b>	9403	Makita	115	11	1,640	13-7/8"L	13 lbs.	<b>\$386.00</b>
<b>622737</b>	362	Porter Cable	120	12	1,500	14"L	15 lbs.	<b>\$344.00</b>
<b>622738</b>	362V	Porter Cable	120	12	1,000-1,500	14"L	15 lbs.	<b>\$359.00</b>

## Belt Sander Accessories

**PORTER+CABLE** For Mfr. 352, 352VS, 360, 360VS & 503 (type 2).

Stk.	Mfr.	Item	Price
<b>627896</b>	692639	Dust Bag	<b>\$11.50</b>
<b>627900</b>	39334	Dust Bag Assembly	<b>\$18.60</b>

## 3X High Performance Sanding Belts

**NORTON** Zirconia alumina self-sharpening abrasive belts. Reduced loading. Runs in both directions.

Stk.	Mfr.	Size	Grit	Qty.	Price
<b>601300</b>	03995	3"W x 21"L	50	1	<b>\$4.71</b>
<b>605983</b>	49265	3"W x 21"L	50	5	<b>\$17.30</b>
<b>601301</b>	03996	3"W x 21"L	80	1	<b>\$4.34</b>
<b>605982</b>	49264	3"W x 21"L	80	5	<b>\$16.00</b>
<b>601302</b>	03997	3"W x 21"L	120	1	<b>\$4.19</b>
<b>605980</b>	49262	3"W x 21"L	120	5	<b>\$15.60</b>
<b>601303</b>	03999	3"W x 24"L	50	1	<b>\$5.03</b>
<b>605988</b>	49271	3"W x 24"L	50	5	<b>\$17.80</b>
<b>601304</b>	04000	3"W x 24"L	80	1	<b>\$4.65</b>
<b>605987</b>	49270	3"W x 24"L	80	5	<b>\$17.20</b>
<b>601305</b>	04001	3"W x 24"L	120	1	<b>\$4.47</b>
<b>605985</b>	49268	3"W x 24"L	120	5	<b>\$16.70</b>
<b>601306</b>	04003	4"W x 24"L	50	1	<b>\$7.85</b>
<b>605993</b>	49277	4"W x 24"L	50	5	<b>\$28.80</b>
<b>601307</b>	04004	4"W x 24"L	80	1	<b>\$7.11</b>
<b>605992</b>	49276	4"W x 24"L	80	5	<b>\$27.00</b>
<b>601308</b>	04005	4"W x 24"L	120	1	<b>\$6.90</b>
<b>605990</b>	49274	4"W x 24"L	120	5	<b>\$26.20</b>

## Sanding Belts

**NORTON** Aluminum oxide abrasive belts that have been resin-bonded on X weight cloth.

### Quantity Savings!

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>636500</b>	712400605	2-1/2"W x 14"L	60	5	<b>\$10.20</b>	
<b>636501</b>	712400805	2-1/2"W x 14"L	80	5	<b>\$10.20</b>	
<b>636502</b>	712401005	2-1/2"W x 14"L	100	5	<b>\$10.20</b>	
<b>636503</b>	712401205	2-1/2"W x 14"L	120	5	<b>\$10.20</b>	
<b>604105</b>	27927	3"W x 21"L	40	1	<b>\$3.19</b>	<b>\$2.87</b>
<b>604103</b>	27926	3"W x 21"L	50	1	<b>\$3.08</b>	<b>\$2.77</b>
<b>604036</b>	27925	3"W x 21"L	60	1	<b>\$2.69</b>	<b>\$2.42</b>
<b>603969</b>	27924	3"W x 21"L	80	1	<b>\$2.55</b>	<b>\$2.29</b>
<b>603902</b>	27923	3"W x 21"L	100	1	<b>\$2.48</b>	<b>\$2.23</b>
<b>603833</b>	27922	3"W x 21"L	120	1	<b>\$2.48</b>	<b>\$2.23</b>
<b>604840</b>	27937	3"W x 24"L	40	1	<b>\$3.07</b>	<b>\$2.78</b>
<b>604773</b>	27936	3"W x 24"L	50	1	<b>\$2.96</b>	<b>\$2.66</b>
<b>604706</b>	27935	3"W x 24"L	60	1	<b>\$2.89</b>	<b>\$2.59</b>
<b>604639</b>	27934	3"W x 24"L	80	1	<b>\$2.79</b>	<b>\$2.49</b>
<b>604572</b>	27933	3"W x 24"L	100	1	<b>\$2.64</b>	<b>\$2.38</b>
<b>604505</b>	27932	3"W x 24"L	120	1	<b>\$2.64</b>	<b>\$2.38</b>
<b>605514</b>	27947	4"W x 24"L	40	1	<b>\$5.00</b>	<b>\$4.50</b>
<b>605512</b>	27946	4"W x 24"L	50	1	<b>\$4.81</b>	<b>\$4.33</b>
<b>605510</b>	27945	4"W x 24"L	60	1	<b>\$4.66</b>	<b>\$4.19</b>
<b>605442</b>	27944	4"W x 24"L	80	1	<b>\$4.41</b>	<b>\$3.70</b>
<b>605376</b>	27943	4"W x 24"L	100	1	<b>\$4.25</b>	<b>\$3.82</b>
<b>605309</b>	27942	4"W x 24"L	120	1	<b>\$4.25</b>	<b>\$3.82</b>

# SAWS

## Jig Saws



### Cordless

Stk.	Mfr.	Brand	Volts	Amps	Speed (spm)	Stroke Length	Blade	Capacity	Bevel	Orbital Settings	Tool Size	Tool Weight	Price
<b>242890</b>	DC330K	DeWalt	18		0-3,000	1"	T-Shank	N/A	45°	4	9-3/4"L	7.5 lbs.	<b>\$355.00</b>

### Corded

<b>258942</b>	JS470E	Bosch	120	7	500-3,100	1"	T-Shank	5-7/8" wood, 7/8" aluminum, 3/8" steel	45°	N/A	9-5/8"L	5.6 lbs.	<b>\$222.00</b>
<b>258943</b>	JS470EB	Bosch	120	7	500-3,100	1"	T-Shank	5-7/8" wood, 7/8" aluminum, 3/8" steel	45°	N/A	9-5/8"L	5.6 lbs.	<b>\$229.00</b>
<b>243021</b>	DW317K	DeWalt	120	5.5	0-3,100	1"	T & U-Shank	1/4" steel, 3/4" aluminum, 2-3/8" wood	45°	4	N/A	6.2 lbs.	<b>\$145.00</b>
<b>243023</b>	DW331K	DeWalt	120	6.5	500-3,100	1"	T-Shank	N/A	45°	4	N/A	6.4 lbs.	<b>\$215.00</b>
<b>616539</b>	CJ90VST	Hitachi	120	5.5	850-3,000	3/4"	T-Shank	3-1/2" wood, 5/16" steel	45°	2	N/A	4.9 lbs.	<b>\$119.00</b>
<b>511442</b>	4350FCT	Makita	115	6.3	800-2,800	1"	T-Shank	5-5/16" wood, 3/8" steel	45°	3	9-1/4"L	5.3 lbs.	<b>\$263.00</b>
<b>511474</b>	4329K	Makita	115	3.9	500-3,100	1 1/16"	T-Shank	2-9/16" wood, 1/4" steel	45°	3	8-7/8"L	4.2 lbs.	<b>\$108.00</b>
<b>575913</b>	6268-21	Milwaukee	120	6.5	0-3,000	1"	T-Shank	N/A	45°	4	9-1/2"L	6.4 lbs.	<b>\$225.00</b>
<b>626661</b>	PC600JS	Porter Cable	120	6	0-3,000	1 3/16"	T & U-Shank	3-1/2" wood	45°	4	9-1/2"L	6.5 lbs.	<b>\$102.00</b>
<b>260563</b>	4395-01	Skil	120	5.5	0-3,200	1 3/16"	T & U-Shank	2-1/4" sft. wood, 1-3/8" hd. wood, 1/2" aluminum	22.5° & 45°	4	9"L	6.4 lbs.	<b>\$74.00</b>



### T-Shank Bi-metal Jig Saw Blades

Saber/jig saw blades of bi-metal cut faster, straighter and last much longer than ordinary high speed blades.

**DeWalt 5-Piece Set** 3"-4"L blades for wood (fast, fast/clean & clean cuts), laminate (downcuts) & metal (medium cuts). High-carbon steel gives optimal flexibility in wood. Bi-metal steel strength in metal. 6-18 tpi taper-ground teeth designed for speed & precision. Fits all saws.

Stk.	Mfr.	Price
<b>243057</b>	DW3795H	<b>\$9.50</b>

**Morse** For metals over 18 ga., tubing & conduit.

Stk.	Mfr.	TPI	Length	Width	Thickness	Qty.	Price
<b>543190</b>	SB0318	18	3"	3/8"	.035"	1	<b>\$3.12</b>

**Morse** For steel & nonferrous metal 1/8" thick & up.

<b>543189</b>	SB0314	14	3"	3/8"	.035"	1	<b>\$3.12</b>
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**Morse** For thin metals, plastic fine cuts under 18 ga.

<b>543191</b>	SB0324	24	3"	3/8"	.035"	1	<b>\$3.12</b>
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**Morse** For wood, fiberboard, asbestos & roughing work.

<b>543192</b>	SB0406	6	4"	5/16"	.040"	1	<b>\$3.86</b>
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**Morse Bi-Metal Blades** For all woods, composition material, plastic & plywood.

<b>543193</b>	SB0410	10	4"	5/16"	.035"	1	<b>\$3.86</b>
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**Morse** For thin material. Straight cuts (flexible & break-resistant) in metal, nonferrous metal, aluminum, sheet metal, Plexiglas 1/16" x 1/8".

Stk.	Mfr.	TPI	Length	Qty.	Price
<b>259199</b>	T118AF	24	3"	5	<b>\$14.90</b>

**Morse** For thick material. Straight cuts (easy curve cutting, flexible & break-resistant) in metal, nonferrous metal, aluminum 1/8" to 1/4", Plexiglas 1/8" to 3/4".

<b>259202</b>	T118BF	14	3"	5	<b>\$14.90</b>
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**Bosch** All purpose cutting. Straight cuts in wood, OSB, plastic 3/16" to 1-1/4".

<b>259136</b>	T111CF	8	4"	5	<b>\$15.70</b>
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**Bosch** All purpose cutting. Curve cuts in wood w/nails, plastic 1/8" to 1-1/4", non-ferrous metal & aluminum 1/8" to 1/2".

<b>259320</b>	T211HF	10	3"	5	<b>\$16.40</b>
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**Bosch** Metal cutting. Straight cuts in medium thin ferrous & non-ferrous metals 5/64" to 7/32".

<b>259203</b>	T118EF	10	3-5/8"	5	<b>\$14.90</b>
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**Bosch** Metal cutting. Fast, straight cuts in aluminum 3/16" to 5/8", fiberglass 3/16" to 3/4", plastic 3/16" to 1-1/4".

<b>259251</b>	T127DF	8	4"	5	<b>\$16.30</b>
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**Bosch** Wood cutting. Straight fine cuts in hard wood, soft wood, plastic, plywood, laminated particle board 3/16" to 1-1/4".

<b>259070</b>	T101BF	10	4"	5	<b>\$17.50</b>
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**Bosch 30-Piece Set** Cuts metal & wood. Includes 5 ea. of (118AF, 118EF, 127DF, 211HF, 101BF & 111CF).

<b>544848</b>	MWV-20BIM				<b>\$79.00</b>
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**Hook Shank Bi-metal Jig Saw Blade**  
MORSE

For wood, plastic & compositions.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543202</b>	SBB306	6	3"	3/8"	.035"	<b>\$3.42</b>

For wood, composition nonferrous metals & medium-smooth finish.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543203</b>	SBB310	10	3"	3/8"	.035"	<b>\$3.42</b>

For steel & nonferrous metals 1/8" thick & above, plastic, asbestos, fiberglass, hard rubber & fiber.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543204</b>	SBB314	14	3"	3/8"	.035"	<b>\$3.42</b>

For metal over 1/8" thick, plastic & fiberglass.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543199</b>	SBB214	14	1-3/4"	1/4"	.035"	<b>\$2.82</b>

For heavy-gauge metal 18 ga. to 1/8" thick.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543200</b>	SBB218	18	1-3/4"	1/4"	.035"	<b>\$2.82</b>

For metal 18 ga. & under.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543201</b>	SBB224	24	1-3/4"	1/4"	.035"	<b>\$2.82</b>

**9-Piece Set Includes** 9 blades (1 ea. SBB214, SBB218, SBB224 & 2 ea. SBB306, SBB314, SBB310).

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>543821</b>	MW-JSBS				.035"	<b>\$28.50</b>



**Hook Shank HSS Jig Saw Blades**  
PORTER+CABLE

For cutting metal.

Stk.	Mfr.	TPI	Length	Width	Price
<b>626828</b>	12346	14	3"	3/8"	<b>\$2.70</b>
<b>626831</b>	12349	24	3"	3/8"	<b>\$2.70</b>

For extra smooth wood-cutting.

Stk.	Mfr.	TPI	Length	Width	Price
<b>626562</b>	12320	20	3"	3/16"	<b>\$3.03</b>

For general wood-cutting, laminates & plastics.

Stk.	Mfr.	TPI	Length	Width	Price
<b>626895</b>	12361	10	4-1/4"	3/8"	<b>\$4.12</b>

For rough wood-cutting.

Stk.	Mfr.	TPI	Length	Width	Price
<b>626422</b>	12306	6	3"	3/8"	<b>\$3.62</b>

For smooth scroll & circular cutting, Masonite, plywood, soft & hard grain trim stock & plastics.

Stk.	Mfr.	TPI	Length	Width	Price
<b>627046</b>	12379	10	3-1/2"	1/4"	<b>\$2.83</b>

**Reciprocating Saws**



**Cordless**

Stk.	Mfr.	Brand	Volts		Speed (opm)	Stroke Length	Tool Size	Tool Weight	Price
<b>242900</b>	DC385K	DeWalt	18		0-2,900	1"	N/A	7.1 lbs.	<b>\$310.00</b>
<b>575430</b>	2620-21	Milwaukee	18		0-3,200	1"	17.75"L	7.9 lbs.	<b>\$329.00</b>

**Corded**

Stk.	Mfr.	Brand	Volts	Amps	Speed (opm)	Stroke Length	Tool Size	Tool Weight	Price
<b>258956</b>	RS325	Bosch	120	12	0-2,800	1"	17.8"L	7 lbs.	<b>\$192.00</b>
<b>243052</b>	DW310K	DeWalt	120	12	0-2,700	1-1/8"	18"L	8.6 lbs.	<b>\$200.00</b>
<b>243028</b>	DW311K	DeWalt	120	13	0-2,700	1-1/8"	18"L	9 lbs.	<b>\$234.00</b>
<b>511434</b>	JR3050T	Makita	120	9	0-2,800	1-1/8"	17-3/4"L	7.1 lbs.	<b>\$175.00</b>
<b>576073</b>	6509-31	Milwaukee	120	12	0-3,000	3/4"	19"L	3.5 lbs.	<b>\$184.00</b>
<b>576092</b>	6519-31	Milwaukee	120	12	0-3,000	1-1/8"	19"L	3.5 lbs.	<b>\$184.00</b>
<b>576147</b>	6536-21	Milwaukee	120	13	0-3,000	1-1/4"	18-3/4"	9.8 lbs.	<b>\$255.00</b>
<b>626667</b>	PC75TRS	Porter Cable	120	7.5	0-3,200	1-1/8"	N/A	6.8 lbs.	<b>\$99.50</b>





**Sawzall Blade Sets**

**9-Piece Set Includes** molded case plus, 3 blades for thin metal (6" x 24 tpi), 3 blades for medium to thick metal (6" x 14 tpi), 2 ea. wood-cutting blades (6" & 9" x 6 tpi).

Stk.	Mfr.	Price
<b>577582</b>	49-22-1145	<b>\$26.40</b>

**12-Piece Demolition Set Includes** case plus, 6 Torch® metal-cutting blades (4 ea. 6" x 18 tpi & 2 ea. 9" x 14 tpi), 2 Wrecker™ general demolition blades (6" x 8 tpi), 2 ea. Ax™ blades for nail-embedded wood (6" & 9" x 5/8 tpi).

Stk.	Mfr.	Price
<b>577581</b>	49-22-1129	<b>\$35.80</b>

**STEEL DEMON™ Bi-Metal Reciprocating Blades**



**Diablo** Features nonstick Perma-Shield® coating for less heat, gumming & corrosion & Liquid Metal Technology™ for increased hardness of cutting edge provided maximum durability & speed.

For metals 3/32" to 5/16".

Stk.	Mfr.	TPI	Length	Width	Thickness	Qty.	Price
<b>412001</b>	DS0414BF5	14/18	4"	1"	.035"	5	<b>\$13.70</b>
<b>412002</b>	DS0614BF5	14/18	6"	1"	.035"	5	<b>\$15.80</b>
<b>412003</b>	DS0914BF5	14/18	9"	1"	.035"	5	<b>\$20.30</b>
<b>412004</b>	DS01214BF5	14/18	12"	1"	.035"	5	<b>\$25.70</b>

For metal demolition 1/8" to 1/2". Oversized body for straighter cuts w/ less vibration.

Stk.	Mfr.	TPI	Length	Width	Thickness	Qty.	Price
<b>412005</b>	DS0608BFD5	8/10	6"	3/4"	.063"	5	<b>\$15.80</b>
<b>412006</b>	DS0908BFD5	8/10	9"	3/4"	.063"	5	<b>\$20.80</b>

**Demo Demon™ Bi-Metal Reciprocating Blades**



**Diablo** Aggressor variable-tooth design increases tpi from the shank to the tip for fast, easy cuts w/less vibration. Easy-plunge tip.

For wood, wood composite & nail-embedded wood.

Stk.	Mfr.	TPI	Length	Width	Thickness	Qty.	Price
<b>412043</b>	DS0612BW5	6-12	6"	3/4"	.05"	5	<b>\$15.80</b>
<b>412044</b>	DS0912BW5	6-12	9"	3/4"	.05"	5	<b>\$20.30</b>
<b>412045</b>	DS1212BW5	6-12	12"	3/4"	.05"	5	<b>\$25.90</b>

For nail-embedded wood & metal.

Stk.	Mfr.	TPI	Length	Width	Thickness	Qty.	Price
<b>412046</b>	DS0914BGP5	8-14	9"	3/4"	.035"	5	<b>\$20.30</b>

**14-Piece Set Includes** case plus, wood-cutting blades (4 ea. 6" & 1 ea. 9" x 6-12 tpi), metal-cutting blades (4 ea. 6" x 14-18 tpi), wood & metal blades (4 ea. 6" x 8-14/18 tpi & 1 ea. 9" x 10/14 tpi).

<b>412047</b>	DS0014S						<b>\$34.00</b>
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**Demo Demon™ Carbide Reciprocating Blades**

**Diablo** Diablo TiCo™ Demo Demon™ Titanium Cobalt high-density carbide-tipped blades provide 10x the performance of standard blades. Features nonstick Perma-Shield® coating for less heat, gumming & corrosion, plus oversized demolition body for straighter cuts, less vibration.

For wood, wood composite & nail-embedded wood.

Stk.	Mfr.	TPI	Length	Width	Thickness	Price
<b>412022</b>	DS0606CWS	6	6"	1"	.05"	<b>\$9.94</b>
<b>412023</b>	DS0906CWS	6	9"	1"	.05"	<b>\$14.40</b>
<b>412024</b>	DS1206CWS	6	12"	1"	.05"	<b>\$18.30</b>



**Bi-metal Reciprocating Saw Blade Set**

**MORSE** Designed to fit all popular machines that take 1/2" shank. Bi-metal blades reduce breakage and last longer than conventional carbon and high-speed blades.

**Includes** 5 blades (1 wood-cutting & 4 metal-cutting).

Stk.	Mfr.	Price
<b>543188</b>	RBPO1	<b>\$15.30</b>



**Straight Back Bi-Metal Reciprocating Blades**



For heavy gauge metal.

Stk.	Mfr.	TPI	Length	Price
<b>243130</b>	DW4808	14	6"	<b>\$2.58</b>

For mild steel.

Stk.	Mfr.	TPI	Length	Price
<b>243131</b>	DW4811	18	6"	<b>\$2.58</b>

For metal trim cuts.

Stk.	Mfr.	TPI	Length	Price
<b>243132</b>	DW4813	24	6"	<b>\$2.58</b>



**High Speed Steel Reciprocating Saw Blades**



For fast, rough-in cuts in wood, plywood & particleboard, plastic (1/4" - 4").

Stk.	Mfr.	TPI	Length	Thickness	Price
<b>511829</b>	723050-A-5	6	6"	.050"	<b>\$11.10</b>

For pipe, conduit, channel & metal (1/4" - 4").

Stk.	Mfr.	TPI	Length	Thickness	Price
<b>511831</b>	723065-A-5	14	6"	.035"	<b>\$15.50</b>

For heavy gauge metal (1/8" - 3/16") & hard rubber.

Stk.	Mfr.	TPI	Length	Thickness	Price
<b>511830</b>	723063-A-5	18	4"	.035"	<b>\$12.70</b>

For pipe, conduit, channel & thin gauge metal (18 ga. to 1/8").

Stk.	Mfr.	TPI	Length	Thickness	Price
<b>511832</b>	723067-A-5	24	6"	.035"	<b>\$15.30</b>

For mild steel, plywood, Masonite, plastic & Formica.

Stk.	Mfr.	TPI	Length	Price
<b>511972</b>	792540-9	24	3-15/16"	<b>\$18.70</b>
<b>511975</b>	792541-7	9	4-3/4"	<b>\$16.20</b>

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### 4-1/2" Compact Circular Saw



#### Rockwell

- Small, compact size for excellent maneuverability & portability
- Slim-line grip design for comfort, balance & control

- Maximum blade clearance for best-in-class cutting capacity
- Easy-set depth gauge lever for quick setup & adjustments
- Left-handed blade design for great cut-line visibility
- Built-in dust port & adapter allows you to connect your vacuum for a cleaner work environment
- Small, thin blade for less tool strain, resulting in full-size circular saw cutting speed & performance
- Mfr.'s 3-yr. limited warranty

Blade: 4-1/2" x 3/8" x 24T. Arbor: 3/8". Max. cutting depth: 1-11/16" @ 90°. Bevel capacity: 1-1/8" 45°. Weight 5 lbs.

**Includes** 24 TPI carbide-tipped blade, parallel guide, 1-1/4" O.D. vacuum adapter & hex key.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>693819</b>	RK3441K	120	5	3,500	<b>\$130.00</b>



### Track Saw

**DEWALT** Zero clearance TrackSaw® cutting system delivers precise, straight, splinter-free cuts. High-power 12 amp motor effortlessly cuts through hardwoods up to 2-1/8"T.

- Dual edge track system provides perfectly straight cuts in both directions

- Low-profile blade guard allows saw use in confined spaces
- Continuous anti-kickback mechanism & riving knife prevent kickback
- On-track scale accurately indicates exact depth-of-cut (*accounting for track thickness*)
- Straight plunge mechanism for optimal ergonomics
- Universal 1-1/4" dia. dust port

Capacities: 1-5/8" @ 45°, 2-1/8" @ 90°. Bevel 47°.

Tool size 12"L. Tool weight 11.5 lbs.

**Includes** 6-1/2" 48 tpi precision-ground blade, 59"L track, blade wrench & molded case.

#### Track Saw Kit

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Arbor	Price
<b>243250</b>	DWS520SK	120	12	1,750-4,000	3/4"	<b>\$623.00</b>

**46"L Track** Dual-edged track work in both directions.

<b>243251</b>	DWS5020					<b>\$84.70</b>
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**59"L Track** Dual-edged track work in both directions.

<b>243252</b>	DWS5022					<b>\$106.00</b>
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**Track Connector** Joins 2 tracks together for added length & capacity.

<b>243253</b>	1009154-00					<b>\$21.40</b>
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setting up your classroom, shop & lab.  
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### Saw-Max™

**Dremel** Powerful enough to cut through virtually any material and simple enough to be able to control with one hand. It's compact size and ergonomic design makes it easy to handle, easy to follow the cut line, and easy to store.

- Worm Drive™ gearing for durability & power
- Perfect for straight cuts, flush cuts & plunge cuts
- Depth guide for precise plunge cuts
- On board dust extraction port
- Lock-on button
- 7' durable rubber cord
- Mfr.'s 2-yr. warranty

Tool weight 3.85 lbs.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343570</b>	SM20-02	120	6	17,000	<b>\$175.00</b>

### Ultra-Saw™ Kit



**Dremel** Mini circular saw that cuts wood, plastic, metal, drywall, fiberboard and tile using the applicable Ultra-Saw™ accessories. With a 7.5 Amp motor and a durable drive train, the Ultra-Saw has power for making long cuts.

- Tool goes beyond cutting w/surface preparation applications including rust, paint & thinset removal
- Improved drive-train plus metal foot & guard handle tough applications
- Excellent line of sight for precise cuts
- 7' durable rubber cord for a wide working range
- Mfr.'s 2-yr. warranty

Tool size 13"L x 5"H. Tool weight 4.6 lbs.

**Includes** 4" diamond surface prep wheel, 4" carbide wood cutting wheel, 3.5" metal cutting wheel, 4" carbide wood flush cutting wheel, auxiliary handle & tool bag.

Stk.	Mfr.	Volts	Amps	Speed	Price
<b>343575</b>	US40-01	120	7.5	13,000	<b>\$172.00</b>

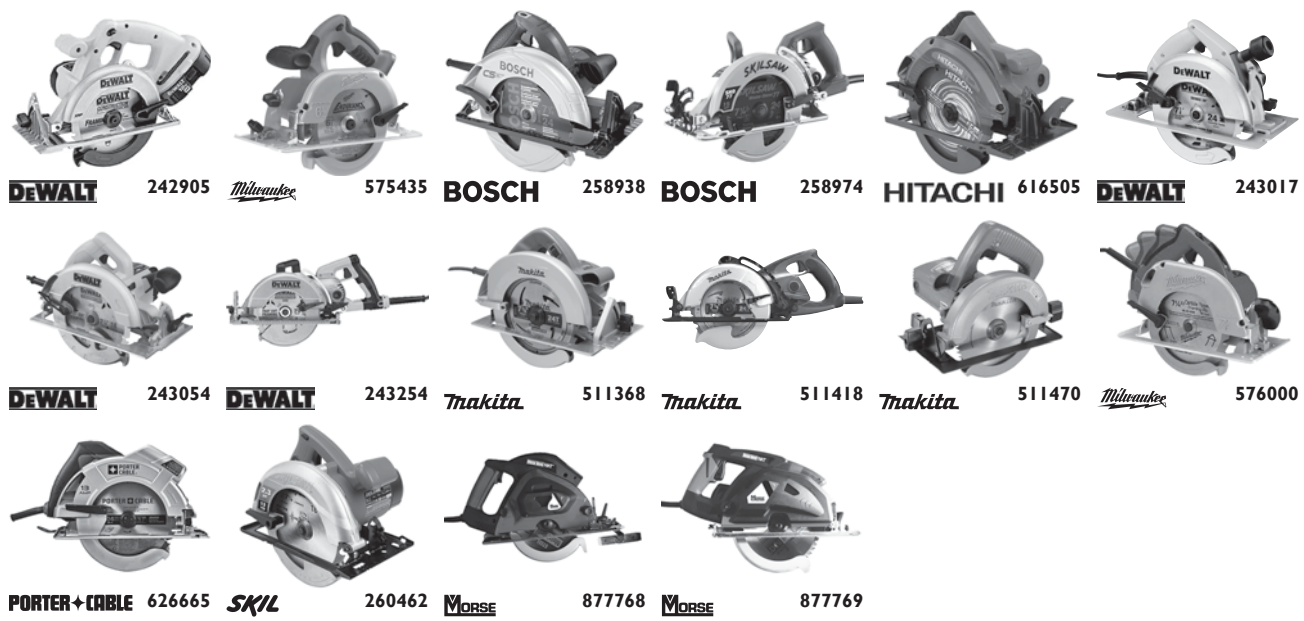
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Kevin Luft ext. 3105  
kluft@midwesttechnology.com



## Circular Saws



### Cordless

Stk.	Mfr.	Brand	Blade Dia.	Volts	Amps	Speed (rpm)	Arbor	Capacity	Tool Weight	Price
242905	DC390K	DeWalt	6-1/2"	18		0-3,700	5/8"	2-1/4" @ 90° 1-5/8" @ 45°	8.7 lbs.	<b>\$310.00</b>
575435	2630-22	Milwaukee	6-1/2"	18		3,500	5/8"	2-1/8" @ 90° 1-5/8" @ 45°	8.5 lbs.	<b>\$492.00</b>

### Corded

258938	CS10	Bosch	7-1/4"	120	15	5,600	5/8"	2-7/16" @ 90° 1-5/8" @ 50° 1-7/8" @ 45°	10.2 lbs.	<b>\$185.00</b>
258974	SHD77-02	Bosch	7-1/4"	120	15	N/A	Diamond	2-13/32" @ 90° 1-31/32" @ 45°	14.2 lbs.	<b>\$247.00</b>
616505	C7SB2	Hitachi	7-1/4"	120	15	5,800	5/8"	2-3/8" @ 90° 1-27/32" @ 45°	10.1 lbs.	<b>\$147.00</b>
243017	DW364	DeWalt	7-1/4"	120	15	5,800	5/8"	1-3/4" @ 50° 1-7/8" @ 45°	12.3 lbs.	<b>\$278.00</b>
243054	DWE575SB	DeWalt	7-1/4"	120	15	5,200	5/8"	2.55" @ 90° 1.9" @ 45°	8.8 lbs.	<b>\$181.00</b>
243254	DWS535	DeWalt	7-1/4"	120	15	4,800	Diamond	2-7/16" @ 90° 1-1/2" @ 53° 1-7/8" @ 45°	13.8 lbs.	<b>\$290.00</b>
511368	5007FA	Makita	7-1/4"	120	15	5,800	5/8"	2-3/8" @ 90° 1-3/4" @ 45°	11.1 lbs.	<b>\$197.00</b>
511418	5477NB	Makita	7-1/4"	120	15	4,500	5/8"	2-3/8" @ 90° 1-3/4" @ 45° 1-9/16" @ 50°	13.9 lbs.	<b>\$224.00</b>
511470	5005BA	Makita	5-1/2"	115	8	8,000	5/8"	1-3/16" @ 45° 1-3/4" @ 90°	6.2 lbs.	<b>\$360.00</b>
576000	6390-21	Milwaukee	7-1/4"	120	15	5,800	5/8"		10.4 lbs.	<b>\$189.00</b>
626665	PC13CSL	Porter Cable	7-1/4"	120	13	5,000	5/8"	2-3/8" @ 90°	11 lbs.	<b>\$84.20</b>
260462	5480-01	Skil	7-1/4"	120	13	4,600	5/8"	2-7/16" @ 90° 1-15/16" @ 45°	11.8 lbs.	<b>\$83.50</b>

### Metal Cutting

877768	CSM7NXTB	Morse	7"	120	13	3,800	20mm	2-5/16" @ 90°	13 lbs.	<b>\$400.00</b>
877769	CSM9NXTB	Morse	9"	120	15	2,300	1"	3-1/4" @ 90°	20 lbs.	<b>\$618.00</b>

### Evolution 7" & 9" Metal-cutting Circular Saw Blades



Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Price
877777	CSM740NSC	7"	7/8"	40	<b>\$95.90</b>
877778	CSM948NSC	9"	1"	48	<b>\$119.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*

### Carbide-tipped Circular Saw Blades

#### General Purpose Combination

Stk.	Mfr.	Dia.	Teeth	Arbor	Price
627086	I2870	4-1/2"	20	3/8"	<b>\$25.90</b>
243105	DW3174	7-1/4"	20	5/8"	<b>\$17.60</b>
243106	DW3191	7-1/4"	18	5/8"	<b>\$20.10</b>
412031	D0724X	7-1/4"	24	5/8"	<b>\$15.40</b>
412032	D0840X	8"-8-1/4"	40	5/8"	<b>\$37.20</b>

**General Purpose Combination** Alternate top bevel & raker. For table & miter saws.

243114	DW3184	8"-1/4"	40	5/8"	<b>\$35.50</b>
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#### Classic Series Blades

452670	15120	6-1/2"	24	5/8"	<b>\$11.40</b>
452675	15130	7-1/4"	24	5/8"	<b>\$7.64</b>
452685	15230	7-1/4"	40	5/8"	<b>\$12.10</b>

#### Marathon® Series Blades

452686	I4030	7-1/4"	24	5/8" Diamond	<b>\$15.30</b>
452687	I4031	7-1/4"	40	5/8" Diamond	<b>\$28.30</b>
452688	I4050	8"-8-1/4"	30	5/8" Diamond	<b>\$23.70</b>

## Abrasive Cut-off Blades



### Aluminum Oxide For metal.

Stk.	Mfr.	Blade Dia.	Arbor	Thickness	Price
<b>611936</b>	89005	7"	5/8" Diamond	1/8"	<b>\$4.65</b>
<b>612003</b>	89010	8"	5/8" Diamond	1/8"	<b>\$5.11</b>

### Silicone Carbide For masonry.

Stk.	Mfr.	Blade Dia.	Arbor	Thickness	Price
<b>612137</b>	89055	7"	5/8" Diamond	1/8"	<b>\$4.76</b>
<b>612204</b>	89070	8"	5/8" Diamond	1/8"	<b>\$5.51</b>



### Pro-Cut™ Portable Saw Guide

**Bench Dog** Easy-to-use for perfect 90° cross-cuts. Instantly aligns saw to cut line. Dramatically reduces kickback, binding & bent blades. Protects workpiece while cutting lumber, siding, I-beams, trim, stair treads & more. Use for marking, measuring & layout. For right-blade

saws only.

Stk.	Mfr.	Price
<b>235423</b>	10-019	<b>\$17.60</b>



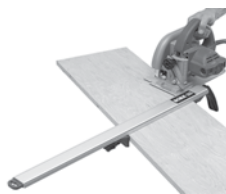
### Rip-Cut™ Circular Saw Guide

**Kreg** Quickly & easily attaches to most right or left blade circular saws. Cuts from 1/8" to 24" wide material w/tremendous accuracy. Made of

high quality aluminum & impact resistant plastic polymer.

**Includes** solid aluminum guide rail, easy-to-read adjustable scale & reversible guide arm.

Stk.	Mfr.	Size	Price
<b>793896</b>	KMA2675	10.5"W x 30"L	<b>\$34.70</b>



### Clamp Edge™

**Bora** Straight-edge clamping guides for woodworking, cabinetmaking, carpentry, etc. Use with circular, jig saws, routers and more. Clamps easily on everything from dimensional lumber to large sheets of flat building materials.

Over-sized clamping handle (*w/lever-locking mechanism*) provides increased clamping pressure. Large, rubberized clamps safely secure material. Aircraft-grade extruded aluminum body insures straight accurate cuts and rigid clamping. Easy-hang storage.

Stk.	Mfr.	Length	Max. Opening	Price
<b>193615</b>	543024	24"	24"	<b>\$44.00</b>
<b>193616</b>	543036	36"	36"	<b>\$50.60</b>
<b>193617</b>	543050	50"	50"	<b>\$58.30</b>



### Precision Bit & Blade Setup Bars

**Kreg** Concave step on bottom straddles router bit or saw blade for precise height adjustment. Step on top gauges cut depth. Step end sets blade to fence, or bit to fence distance. Made from soft aluminum to prevent bit or blade damage.

**Includes** 7 setup bars: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" & 1/2" & case.

Stk.	Mfr.	Price
<b>793904</b>	PRS3400	<b>\$48.60</b>



## 14" Mason Mite II Cut-off Concrete Saw

**Husqvarna** Tough saws have lifetime sealed bearings that won't require greasing. Cut masonry, concrete, brick and tile. 14" blade guard allows a full 5" cutting depth.

- 2 pivot points reduce saw maintenance & prolong diamond blade life
- Cutting head pivots on bearings that are sealed & lubricated for life
- Position head to desired height, then tighten the lock handle

- Hold the handle & plunge cut blade into the material
- Sta-level® blade guard keeps the blade guard parallel to the cutting table for accurate cuts & safety
- Spring tension counter-balances cutting head & the cutting head height can be adjusted with a lock handle located on the counter balance arm
- Ergonomic steel handle w/molded grip bolts securely into place
- Powder-coated paint resists rust & scratches
- Solid cast aluminum cutting cart w/bonded rubber surface to grip materials

**Includes** steel water pan.

**Requires blade, sold separately.**

Stk.	Mfr.	Volts	HP	Blade Dia.	Arbor	Price
<b>256600</b>	11-502-C2	115	2	14"	1"	<b>\$2,789.00</b>

### Cast Aluminum Stand

Stk.	Mfr.	Price
<b>256615</b>	11-583-B3	<b>\$289.00</b>

### 14" Diamond Masonry Blade

Stk.	Mfr.	Price
<b>256670</b>	21-607-B7	<b>\$161.00</b>

## 14" Rapid Cut-off Concrete Saw

**Partner** Cut masonry, concrete, asphalt, metal and more. 14" blade guard allows a full 5" cutting depth.

- Dual air filter system
- Totally-enclosed dry belt

- Consistent & dependable 2-cycle, 74cc air-cooled gas engine

**Includes** wet-cutting kit.

**Requires blade, sold separately.**

Stk.	Mfr.	Engine	HP	Blade Dia.	Arbor	Price
<b>256650</b>	14-804-B2	Gas	5	14"	1"	<b>\$1,332.00</b>

### 14" Masonry Blade

Stk.	Mfr.	Price
<b>256655</b>	14-829-B8	<b>\$26.30</b>

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## Portable VS Deep-cut Band Saws

**DEWALT**



**242980**

**242981**

Stk.	Mfr.	Volts	Amps	Speed (fpm)	Blade Length	Capacity	Tool Size	Tool Weight	Price
<b>242980</b>	DWM120	120	10	100-350	44-7/8"	5" x 4-3/4"	21"L	15 lbs.	<b>\$402.00</b>
<b>242981</b>	DWM120K	120	10	100-350	44-7/8"	5" x 4-3/4"	21"L	15 lbs.	<b>\$471.00</b>

242981 | Includes molded case.

## Portable Band Saw Blades

**DEWALT**

Stk.	Mfr.	Width	Length	Thickness	TPI	Price
<b>243060</b>	DW3981	1/2"	44-7/8"	.020"	10	<b>\$24.60</b>
<b>243061</b>	DW3982	1/2"	44-7/8"	.020"	14	<b>\$24.60</b>
<b>243062</b>	DW3983	1/2"	44-7/8"	.020"	18	<b>\$24.60</b>

## PORTABLE PLANERS



**BOSCH**

**258957**

**DEWALT**

**243155**

**Makita**

**511358**

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Capacity	Tool Size	Tool Weight	Price
<b>258957</b>	PL1682	Bosch	120	6	16,500	3-1/4"W, 1/16"D, 5/16"D rabbeting	11-1/8"L	6 lbs.	<b>\$147.00</b>
<b>243155</b>	D26677K	DeWalt	120	5.5	17,000	3-1/4"W, 1/16"D, 23/64"D rabbeting	N/A	6 lbs.	<b>\$211.00</b>
<b>511358</b>	KP0810	Makita	120	7.5	16,000	3-1/4"W, 5-32"D	11-3/8"L	7.2 lbs.	<b>\$304.00</b>

### Carbide-tipped Blades, 2/pkg.

<b>258963</b>	PA1202	Bosch							<b>\$17.70</b>
<b>243112</b>	DW6654	DeWalt							<b>\$17.70</b>
<b>511350</b>	D-46246	Makita							<b>\$15.10</b>

## POCKET HOLE TOOLS & JIGS



### Quikjig™ Pocket Hole Joinery System

**PORTER-CABLE** Automatic depth control allows easy set-up for different material thickness. Quick-adjusting clamp automatically adjusts to material thickness.

- Removable dust port
- Gauge recommends screw length for material thickness

- Repeatable clamp makes multiple-piece work quick & easy
- Built-in drill bit collar won't need changing for material thickness
- Variable spaced bushings allow pocket hole position variety

Material capacity: 1/2" to 1-1/2". Pocket bit 3/8" dia. Pilot bit 5/32" dia. Tool size 6-1/2"W x 9-3/4"L w 9"H. Tool weight 8 lbs.

**Includes** 2 square drive insert bits (6" & 3"), 3/8" drill bit & collar, hex key, clamp, 80 screws (twenty 1", twenty 1-1/4", forty 1-1/2") & manual.

Stk.	Mfr.	Price
<b>623288</b>	560	<b>\$286.00</b>



### K5 Kreg Jig® System

**Kreg** Front-mounted clamp handle makes clamping easy. Ratcheting clamp mechanism adjusts without tools.

- Drill guide spacings (9/16", 7/8", 1-7/16")

- Screw centering (1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2")
- Quick-release pin holds drill block in place & can't get lost
- Storage wings provide built-in storage for bits, screws, accessories
- Stop-collar setting block makes drill bit setup easy
- Swiveling dust-collection port accepts standard 1-1/4" vacuum hose
- Adjustable workpiece stop mounts on either side for easy repeat drilling
- Fully assembled & ready to set up & use

**Includes** base w/ratcheting front-side clamp, extension wings, swiveling dust collection port, drill guide block, spacer block, workpiece stop, drill bit setup block, hex-shank stepped drill bit, 6" driver bit, stop collar, allen wrench, user guide, starter screw and plug pack, online Skillbuilder™ videos & downloadable project plans.

Stk.	Mfr.	Price
<b>793903</b>	K5	<b>\$144.00</b>



### K4 Master System

**Kreg** Removable drill guide for use with bench top and portable bases. Bench top base with front clamping system puts the handle on the side of the workpiece you are working on.

- 1/8" incremental setting for material thickness from 1/2" to 1-1/2"

- 3-drill guide fixed spacing (9/16", 7/8", 1-7/16") puts pocket holes where they are needed for narrow to widest stock
- Dust collection shroud keeps workbench clean & extends bit life
- Material support stop allows consistent repeat hole spacing
- Hardened steel drill guides w/Mfr.'s lifetime warranty

**Includes** Face Clamp™, portable base, drill guide spacer, material support stop, dust collection attachment, 3/8" stepped drill bit, 2 square drivers (6" & 3"), 3" square driver, starter screw set, starter plug set, quick-start guide, SkillBuilder™ DVD & case.

Stk.	Mfr.	Price
<b>793890</b>	K4MS	<b>\$142.00</b>



### K4 Kreg Jig®

**Kreg** Pocket hole system with everything needed to start building. Rugged, versatile jig features 1/8" incremental settings for materials from 1/2" to 1-1/2" thick. Exacting 3-drill guide with fixed spacing is removable for bench top and mobile use. Doubles as a repair tool.

**Includes** stepped drill bit, 6" square driver, starter screw set, starter plug set, SkillBuilder™ DVD, quick-start guide & molded case.

Stk.	Mfr.	Price
<b>793865</b>	K4	<b>\$104.00</b>



### R3 Kreg Jig® Kit

**Kreg** Full-feature jig has 9-position settings and wood chip relief holes. Build bookcases, cabinets, plant stands, storage shelves and more. Hardened steel drill guides include a lifetime mfr.'s warranty.

**Includes** drill bit, depth collar, Allen wrench, built-in depth collar gauge, screw selection chart, clamp adapter & molded case.

Stk.	Mfr.	Price
<b>793847</b>	R3	<b>\$52.70</b>



### HD Pocket Hole Jig

**Kreg** Optimized for 2x4's and larger stock. Utilizes #14 industrial-quality, heavy-duty, hardened-steel screws. Works great as a stand-alone jig mounted to a Kreg Face Clamp™. Connects directly to model K3 or K4 Kreg Jig® benchtop bases for upright drilling. Stop block provides easy, repeatable registration to workpiece. Quick change hex-shank drill bit.

**Includes** HD drill guide, stop block, 1/2" dia. HD stepped drill bit, HD stop collar & allen wrench, 6" HD driver bit & starter screw set.

Stk.	Mfr.	Price
<b>793801</b>	KJHD	<b>\$70.20</b>



### Micro Pocket™ Drill Guide

**Kreg** 25% smaller hole dia. for creating compact, low-profile pocket-holes. Tackle smaller projects, extremely narrow stock (1/2"W) and tighter repair applications. Smaller hole is less noticeable on exposed joints. Works with K3 & K4 Kreg Jigs®. Quick ID black color. Use with 3/4" panhead screws, included in screw set.

**Includes** Micro Pocket drill bit & depth collar, plus starter screw set.

Stk.	Mfr.	Price
<b>793879</b>	KJMICRODGB	<b>\$58.50</b>



### Mini Kreg Jig™ Kit

**Kreg** Single drill guide jig is the most positionable pocket hole tool. Designed without an alignment fence so it can be clamped at virtually any angle or orientation to the edge of a workpiece. Use when a project is already assembled and in need of any extra pocket hole or in repair applications like tightening a chair or table rail to the leg.

**Includes** 1-piece step drill bit & depth collar w/Allen wrench.

Stk.	Mfr.	Price
<b>793855</b>	MKJKIT	<b>\$25.80</b>



### E-Z Pro™ Pocket Hole Jig Kit

**General** Create 3 types of professional pocket joints (flush, corner & angle) with accuracy and ease. Ideal for building cabinets, furniture and other woodworking projects. Heavy-duty aluminum body with hardened steel drill bushings and built-in clamping system. Portable or bench mount.

**Includes** clamping system, 3/8" step drill bit & drill stop w/wrench, 6" square drive bit, screws, instructions & DIY project plans.

Stk.	Mfr.	Price
<b>419632</b>	849	<b>\$43.00</b>



### Foreman Pocket Hole Machine

**Kreg** Create pocket holes with speed and accuracy time and again. Start the powerful 110V motor, clamp your workpiece, and raise the drill bit through the table. This simple operation drills a precise pocket hole at the perfect depth.

- Creates 3 types of joints

- Portable & durable, w/ample workspace
- Built-in storage & dust collection
- Polyurethane base w/cast-aluminum tabletop
- Mfr.'s 1-yr. limited warranty

Material capacity: 1/2"- 1-1/2" T. Tabletop 14" x 23-1/2". Tool size 15"H x 19"L x 29-1/2"D. Tool weight 20 lbs.

**Includes** adjustable fence w/spring-loaded stops, dust-collection attachment, 3/8" stepped drill bit & drill guide, drill bit setting block & manual.

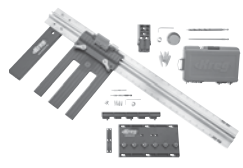
Stk.	Mfr.	Volts	Price
<b>793912</b>	DB210	110	<b>\$435.00</b>

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**DIY Project Kit**

**Kreg** 3 must-have tools and plans for building custom projects.



- Rip-Cut Saw Guide cuts plywood & other sheet goods quickly & accurately
- Kreg Jig R3 joins wood w/Kreg's proven pocket-hole joinery the strongest & fastest way possible

- Shelf Pin Jig drills perfectly-placed, repeatable shelf-pin holes for custom adjustable shelving
- Works w/materials from 1/2" to 1-1/2"

**Includes** Kreg Rip-Cut™ Saw Guide, Kreg Jig® R3, Kreg Shelf Pin Jig (w/5mm bit) & step-by-step plans for 10 custom projects.

Stk.	Mfr.	Price
<b>793913</b>	DIYKIT	<b>\$94.30</b>

**Klamp™ Table & Stand**



**Kreg** Large clamping surface (21-3/4" x 33-3/4") of replaceable, glue-resistant melamine. Klamp Trak™ on 2 sides of table provide endless flexibility. Klamp Blocks™ allow fast, accurate & consistent registration of workpieces. Use for sanding, routing, layout, etc. Universal

heavy-gauge steel stand adjusts 31" to 36"H. Quick-assembly. Durable painted finish. 4 leveling feet.

**Includes** KlampTrak, 2 Bench Klamps, 5 Klamp Blocks & steel stand.

Stk.	Mfr.	Item	Price
<b>793867</b>	KKS2000	Klamp Table & Stand	<b>\$468.00</b>
<b>793868</b>	KKS1000	Klamp Table	<b>\$293.00</b>
<b>793869</b>	KRS1030	Steel Stand	<b>\$176.00</b>

**Face Clamps™**



**Kreg** Ensures perfectly flush joints. Large pad on arm is placed directly across the top of the joint. Rugged dual-purpose clamp features large comfort-grip handle & deep throat.

Stk.	Mfr.	Throat	Price
<b>793864</b>	KHC-PREMIUM	3"D	<b>\$24.90</b>
<b>793863</b>	KHC-LARGE	6"D	<b>\$34.60</b>
<b>793878</b>	KHC-XLARGE	10"D	<b>\$45.40</b>

**Right Angle Clamp**



**Kreg** 180° pivoting clamp face & unique 3/8" steel pin fit snugly down in the pocket hole for joining 90° angles. Great for attaching face frame to cabinets, assembling drawers, shelving & more. Use 2 clamps when assembling large workpieces.

Stk.	Mfr.	Price
<b>793862</b>	KHC-RAC	<b>\$31.40</b>

**Automaxx™ Face Clamp**



**Kreg** Adjusts automatically to clamp materials that are thin or thick. Regulate clamping force using a thumbscrew. Ergonomic padded grips prevent hand fatigue.

Stk.	Mfr.	Throat	Price
<b>793908</b>	KHC-1410	3"D	<b>\$32.40</b>
<b>793909</b>	KHC-1420	6"D	<b>\$41.10</b>

**90° Corner Clamp**



**Kreg** Square & secure joints easily w/quick-adjust handle for stock thickness up to 1-1/4". Swivel head w/large clamping surface protects soft woods. Heat-treated, nickel-plated steel.

Stk.	Mfr.	Price
<b>793877</b>	KHC-90DCC	<b>\$42.20</b>

**Bench Klamp™ System**



**Kreg** Clamp glides along the KlampTrak™ or secures to the Klamp Plate™ for an amazingly strong 360° clamping station. Hard-anodized aluminum mounting plate (3" x 4" x 1/4") w/ keyed slot allows instant clamp removal. Route plate to work bench, or use as a stand-alone clamping fixture.

**Includes** clamp & pad, mounting plate, interlock bolt & hardware.

Stk.	Mfr.	Price
<b>793866</b>	KKS-KBKSYS	<b>\$52.90</b>

**Automaxx™ Bench Klamp System**



**Kreg** Makes benchtop clamping fast & foolproof by combining a 3" Bench Klamp™ with a Klamp Plate™ mounted onto a bench top to create a versatile 360° clamping station. New feature adjusts the clamps automatically, eliminating the need to readjust the clamp for every change in material thickness. **Shown w/Clamp & Plate.**

Stk.	Mfr.	Item	Price
<b>793905</b>	KKS1110	3" Clamp w/Plate	<b>\$54.00</b>
<b>793906</b>	KKS1120	3" Clamp Only	<b>\$41.10</b>
<b>793907</b>	KKS1140	6" Clamp Only	<b>\$47.60</b>

**Klamp Plate™**

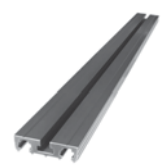


**Kreg** When paired w/Bench Klamp™, plate provides a clamping station wherever needed. Route plate to the center of work bench, drill press or sawhorse.

**Includes** mounting hardware & instructions.

Stk.	Mfr.	Price
<b>793872</b>	KBK-IP	<b>\$14.90</b>

**Klamp Trak™**



**Kreg** Turn the entire length of your workbench into a clamping station. Seamless clamping plane (33-3/4" L aluminum extrusion) is perfect for quick positioning of Bench Klamp™ and Klamp Blocks™.

Stk.	Mfr.	Price
<b>793870</b>	KKS1020	<b>\$48.60</b>

**Klamp Block™ Set**



**Kreg** When used w/KlampTrak™, these simple blocks quickly & easily register stock to the edge of the work space & bring the project into alignment. Also helps to center Bench Klamp™ on the joint line.

**Includes** 5 plastic blocks & mounting hardware.

Stk.	Mfr.	Price
<b>793871</b>	KKS1030	<b>\$17.10</b>



**Klamp Vise™ System**

**Kreg** Can be connected to almost any workbench providing over 350 lbs. of clamping power. Vertical, sideways and vise-style clamping for routing, sanding, sawing and more. No side rails. Accommodates very large workpieces.

**Includes** Bench Klamp™, Klamp Vise™ Plate, (2) Klamp Blocks™, (2) Bench Dogs, (2) Bench Brakes™, installation hardware & instructions.

Stk.	Mfr.	Price
793895	KKS1060	\$75.60



**Bench Dogs**

**Kreg** Reinforced 3/4" nylon bench dogs make projects easier. Each comes with a solid rubber Bench Brake™ for a solid, non-slip work surface. Painter's Point feature provides minimal surface contact for painting & finishing applications.

**Includes** (4) Bench Dogs & (4) Bench Brakes™.

Stk.	Mfr.	Price
793894	KKS1070	\$10.10



**Quick-change Pocket Hole Kit**

**Kreg** Quickly switch from drilling pocket holes to driving pocket screws with precision. Hex-shank step drill bit snaps directly into quick change chuck without an adapter. Industrial chuck eliminates slippage and optimizes drilling power.

**Includes** quick-change chuck, 6" sq. head recess driver (#2), 3/8" hex-shank pocket hole drill bit & depth collar w/Allen wrench.

Stk.	Mfr.	Price
793861	QUIK-KIT	\$31.40



**HD Drill Bit**

**Kreg** For use with the Kreg HD Pocket Hole Jig (KJHD). 1/4" hex-shank for use with standard & quick change chucks. 1/2" dia., 1-piece, hardened high-speed steel.

**Includes** stop collar & allen wrench.

Stk.	Mfr.	Price
793790	KJDHD	\$20.90



**DKDB & KJD Step Drill Bits**

**Kreg** 1-Piece bits eliminate clogging and provide a smoother, faster drilling stroke than drill bits with replaceable center drills. HSS drill bit for use with all manual Kreg jigs, 3/8" dia., 1/pkg.

**Cobalt Steel** Use with Kreg jig DK#s 1100, 3100, 5006 & DB50.

Stk.	Mfr.	Price
793812	DKDB	\$36.60

**HSS** Use with Kreg Jig & Rocket.

Stk.	Mfr.	Price
793832	KJD	\$17.80



**Depth Collar**

**Kreg** Depth collar & allen wrench for Kreg Step Drill Bit (KJD) & HD Drill Bit (KJDHD). 1/pkg.

Stk.	Mfr.	Price
793834	KJSC/D	\$3.02



**Square Driver Bits**

**Kreg**

**HD Square Driver Bit** Deep #3 driver bit optimized for use with Kreg Jig HD Screws.

Stk.	Mfr.	Item	Price
793795	D6HD	6"L	\$6.91

**Square Driver Bits** Deep #2 driver recess resists cam-out. Use 3"L bit in tight spots.

Stk.	Mfr.	Item	Price
793807	DDS	3" & 6" bits	\$5.19
793886	D6X2	two 6"L bits	\$6.65



**Pocket Hole Screws**

**Kreg** Screws with self-tapping auger point eliminate pre-drilling. Flat heads seat flush in pocket hole bottom. Deep #2 sq. drive recess provides positive driver engagement to reduce cam-out.

Industrial-quality steel screws are case-hardened & coated with a dri-lube finish to reduce driving torque and provide a bronze appearance.

**Pan Head Square Drive** Fine thread screws for producing face frames in hardwoods. Use 1-1/4" to join 3/4" T frames.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793887	SPS-F075-100	6	3/4"	100	\$4.35
793880	SPS-F075-1000	6	3/4"	1,000	\$25.70
793882	SPS-F125-100	6	1-1/4"	100	\$4.65
793848	SPS-F125-1000	6	1-1/4"	1,000	\$26.60

**Pan Head Square Drive** Coarse thread screw for assembling 1/2" plywood drawer boxes.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793888	SPS-C1-100	7	1"	100	\$4.47
793889	SPS-C1-1000	7	1"	1,000	\$25.70

**Maxi-Loc™ Square Drive** Fine thread screws for hardwood to hardwood applications.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793883	SML-F125-100	7	1-1/4"	100	\$4.65
793852	SML-F125-1000	7	1-1/4"	1,000	\$26.60

**Maxi-Loc™ Square Drive** Coarse thread screws for softer materials (pine, plywood, particle board, MDF & melamine). Larger dia. threads provide maximum hold.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793884	SML-C125-100	8	1-1/4"	100	\$4.65
793850	SML-C125-1000	8	1-1/4"	1,000	\$26.60
793892	SML-C250-50	8	2-1/2"	50	\$5.15

**Maxi-Loc™ Hi-Lo Thread Square Drive** Dual thread, all-purpose screw for a variety of woods. Drives significantly faster than standard fine or coarse thread screws.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793885	SML-HL125-100	7	1-1/4"	100	\$4.65
793851	SML-HL125-1000	7	1-1/4"	1,000	\$26.60

**HD Drive** Optimal for Kreg Jig® HD & larger stock. Hardened-steel w/ Protec-Kote™ finish. Self tapping. Color blends w/most materials.

Stk.	Mfr.	Size	Length	Qty./Box	Price
793899	SML-C2X250-30	14	2-1/2"	30	\$5.48
793900	SML-C2X250-125	14	2-1/2"	125	\$18.00

**Blue-Kote™ Weather-resistant Self-tapping Screws** 450 of 4 popular coarse thread #8 screws. Perfect for outdoor projects. 3 chemically-combined, anti-corrosion layers make screws 400% more rust-resistant than zinc screws. **Includes** 100 (ea. of 1-1/4", 1-1/2", 2"), 150 of 2-1/2", plus molded case.

Stk.	Mfr.	Price
793891	SK03B	\$41.80

**Self-tapping Screw Kit** 675 of 5 popular square drive self-tapping screw sizes. **Includes** 300 Maxi-Loc™ 1-1/4" screws (150 ea. of #s 7 fine & 8 coarse thread), 300 Pan Head 1" screws (150 ea. of #s 6 fine & 7 coarse thread), 75 Blue-Kote™ weather-resistant 2-1/2" screws (#8 coarse thread) & case.

Stk.	Mfr.	Price
793876	SK03	\$31.40





**Screw Selector Wheel**

**Kreg** Just dial in the thickness of each piece to be joined and the wheel shows you the correct screw length and Kreg Jig® setting. Durable .5 mm polypropylene construction.

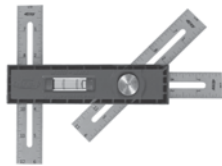
Stk.	Mfr.	Price
793911	SSW	\$7.48

**Pocket Hole Plugs**



**Kreg** Use when pocket holes won't be hidden on the backside of the project, or for decorative highlights.

Stk.	Mfr.	Description	Qty.	Price
793837	P-OAK	Oak Plugs	50	\$8.09
793839	P-WAL	Walnut Plugs	50	\$8.09
793841	P-MAP	Maple Plug	50	\$8.09
793843	P-CHE	Cherry Plugs	50	\$8.09
793845	P-PIN	Pine Plugs	50	\$8.09



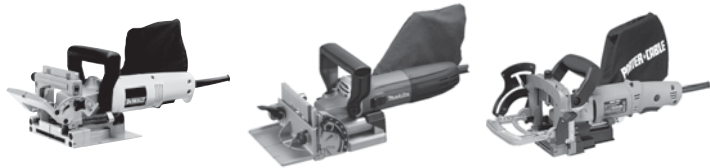
**Multi-Mark™ Marking & Measuring Tool**

**Kreg** Multi-purpose marking and measuring tool for a variety of job site applications. Layout wall studs, mitered corners and transfer measurements. Align, square, level and measure work projects, set blade heights and more. Built-in 3/16" reveal gauge and torpedo level.

Inch and metric scale.

Stk.	Mfr.	Length	Price
793901	KMA2900	6 - 8-1/2"	\$14.90

**PLATE JOINERS**



**DeWALT** 243008 *Makita* 511409 **PORTER+CABLE** 623285

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Blade	Arbor	Tool Size	Tool Weight	Price
243008	DW682K	DeWalt	120	6.5	10,000	4"	22mm	5.8"H x 5.3"W	6.6 lbs.	\$263.00
511409	PJ7000	Makita	115	5.6	11,000	4"	N/A	11-7/8"H	5.5 lbs.	\$280.00
623285	557	Porter Cable	120	7.5	10,000	2" & 4"	7/8"	7"H	7.5 lbs.	\$295.00

**Replacement Blades, 4", 6 TPI**

Stk.	Mfr.	Brand	Price
243109	DW6805	DeWalt	\$58.40
624311	5558	Porter Cable	\$80.20

**Plate Joining Biscuits**  
**PORTER+CABLE**



**Sealed Container**

Stk.	Mfr.	Size	Qty.	Price
624318	5563	FF (1-5/32" x 1/2")	175	\$11.50
624315	5560	0 (1-3/4" x 5/8")	150	\$9.46
624316	5561	10 (2-1/8" x 3/4")	125	\$9.46
624317	5562	20 (2-3/8" x 1")	100	\$9.46

**Bulk**

Stk.	Mfr.	Size	Qty.	Price
624299	5550	FF (1-5/32" x 1/2")	1,000	\$33.80
624300	5551	0 (1-3/4" x 5/8")	1,000	\$33.80
624302	5552	10 (2-1/8" x 3/4")	1,000	\$33.80
624304	5553	20 (2-3/8" x 1")	1,000	\$33.80

**1,000-Piece Assortment** Includes 250 ea. #0, 250 ea. #10, 500 ea. #20.

Stk.	Mfr.	Size	Qty.	Price
624306	5554			\$33.80

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dgoodwin@midwesttechnology.com

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# GRINDERS



### 4" Angle Grinder

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>511363</b>	GA4030K	Makita	120	6	11,000	M10 x 1.25	10.5"L	3.1 lbs.	Yes	<b>\$81.60</b>

### 4-1/2" Angle Grinders

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>242860</b>	D28402	DeWalt	120	10	11,000	5/8"-11	11-1/4"L	4.6 lbs.	Yes	<b>\$127.00</b>
<b>616600</b>	G12SE2	Hitachi	120	9.5	10,000	5/8"-11	12-5/8"L	4.2 lbs.	Yes	<b>\$150.00</b>
<b>575894</b>	6146-30	Milwaukee	120	11	11,000	5/8"-11	11.6"L	5.4 lbs.	Yes	<b>\$147.00</b>
<b>626645</b>	PC60TAG	Porter Cable	120	6	11,000	5/8"-11	N/A	4.1 lbs.	Yes	<b>\$43.40</b>
<b>260568</b>	9295-01	Skil	120	6	11,000	5/8"-11	10-3/4"L	5.3 lbs.	Yes	<b>\$43.50</b>

### 5" Angle Grinders

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>260281</b>	AG50-10	Bosch	120	10	11,500	5/8"-11	12.5"L	5.1 lbs.	Yes	<b>\$158.00</b>
<b>260282</b>	AG50-11VS	Bosch	120	11	2,800-11,500	5/8"-11	13"L	5.1 lbs.	Yes	<b>\$203.00</b>
<b>411630</b>	WSG-14-125	Fein	120	6.5	10,000	5/8"-11	N/A	4.9 lbs.	Yes	<b>\$279.00</b>
<b>511366</b>	GA5020	Makita	120	10.5	11,000	5/8"-11	14"L	4.8 lbs.	No	<b>\$220.00</b>

### 6" Angle Grinders

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>575893</b>	6161-30	Milwaukee	120	13	9,000	5/8"-11	12.2"L	5.7 lbs.	Yes	<b>\$191.00</b>

### 7" Angle Grinders

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>260289</b>	1873-8	Bosch	120	15	8,500	5/8"-11	17-1/2"L	11.5 lbs.	Yes	<b>\$236.00</b>
<b>243091</b>	DW840	DeWalt	120	13	8,000	5/8"-11	16.1"L	8 lbs.	Yes	<b>\$197.00</b>
<b>616611</b>	G18SR	Hitachi	120	15	6,000	5/8"-11	18.2"L	9.5 lbs.	Yes	<b>\$195.00</b>
<b>511375</b>	GA7021	Makita	115	15	6,000	5/8"-11	18-5/8"L	10.4 lbs.	Yes	<b>\$226.00</b>

### 7/9" Angle Grinder

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Spindle Thread	Tool Size	Weight	Lock-on Switch	Price
<b>575887</b>	6088-30	Milwaukee	120	15	6,000	5/8"-11	12.6"L	10.4 lbs.	Yes	<b>\$219.00</b>

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### Grinding Wheels



**Flaring Cup Aluminum Oxide Grinding Wheel Type 11.** For metal & masonry.

Stk.	Mfr.	Size	Max. Speed (rpm)	Price
<b>600570</b>	10512	4-7/32" x 5" x 5/8"-11	9,070	<b>\$21.40</b>

**Hubless Depressed Center Aluminum Oxide Grinding Wheels Type 27 w/depressed center.** For metal & masonry.

Stk.	Mfr.	Size	Max. Speed (rpm)	Price
<b>608173</b>	42014	4" x 1/8" x 5/8"	15,280	<b>\$2.80</b>
<b>608172</b>	42011	4" x 1/4" x 5/8"	15,280	<b>\$2.90</b>
<b>608178</b>	43611	4-1/2" x 1/8" x 7/8"	13,580	<b>\$2.65</b>
<b>608175</b>	43607	4-1/2" x 1/4" x 7/8"	13,580	<b>\$2.88</b>
<b>608182</b>	43616	5" x 1/8" x 7/8"	12,225	<b>\$3.70</b>
<b>608180</b>	43614	5" x 1/4" x 7/8"	12,225	<b>\$3.99</b>
<b>608636</b>	75956	7" x 1/8" x 7/8"	8,600	<b>\$5.63</b>
<b>608632</b>	75936	7" x 1/4" x 7/8"	8,600	<b>\$5.91</b>

**Spin-on, Depressed Center Aluminum Oxide Wheels Type 27 w/ depressed center.** For metal & masonry.

Stk.	Mfr.	Size	Max. Speed (rpm)	Price
<b>608177</b>	43609	4-1/2" x 1/8" x 5/8"-11	13,580	<b>\$4.20</b>
<b>608174</b>	43605	4-1/2" x 1/4" x 5/8"-11	13,580	<b>\$4.39</b>
<b>608181</b>	43615	5" x 1/8" x 5/8"-11	12,225	<b>\$5.55</b>
<b>608179</b>	43613	5" x 1/4" x 5/8"-11	12,225	<b>\$5.76</b>
<b>608635</b>	75940	7" x 1/4" x 5/8"-11	8,600	<b>\$7.92</b>
<b>608185</b>	02678	7" x 1/8" x 5/8"-11	8,600	<b>\$7.35</b>



**Rubber Backing Pad w/Nut**

**BOSCH** Fits most major brands of small angle grinders.

Stk.	Mfr.	Dia.	Arbor	Max. Speed (rpm)	Price
<b>986500</b>	MG0500	5"	5/8"-11	11,500	<b>\$15.40</b>
<b>259448</b>	BP700	7"	5/8"-11	8,500	<b>\$29.90</b>



**Backing Pad Nut**

**BOSCH**

Stk.	Mfr.	Arbor	Price
<b>986580</b>	MG0580	5/8"-11	<b>\$7.74</b>



**4" Crimped Wire Brush**

**BOSCH** Softer brushing action than knotted cup brushes is especially suited for overhead work. Carbon steel.

Max. speed 8,500 rpm.

Stk.	Mfr.	Dia.	Gauge	Arbor	Price
<b>259438</b>	WB525	4"	27	5/8"-11	<b>\$26.40</b>



**3" Crimped Wire Cup Brush**

**Thakita.** For flat surfaces, edges, paint, scale & light rust removal.

Stk.	Mfr.	Dia.	Gauge	Arbor	Price
<b>511671</b>	743205-6	3"	.014	5/8"-11	<b>\$21.00</b>
<b>511674</b>	743201-4	3"	.014	M10 x 1.25	<b>\$21.00</b>



**2-3/4" Knot Wire Cup Brush**

**Thakita.** For tight operations, corners & angle welds. Rugged knot construction Stainless steel wire is corrosion resistant eliminating contamination. 20 knots.

Stk.	Mfr.	Dia.	Gauge	Arbor	Price
<b>511672</b>	743209-A	2-3/4"	.020	5/8"-11	<b>\$21.20</b>



**4" Full Cable Twist Wire Wheel**

**Thakita.** For narrow to medium width work. Excellent for cleaning welds. Stainless steel wire is corrosion resistant eliminating contamination. 24 knots.

Stk.	Mfr.	Dia.	Gauge	Arbor	Price
<b>511673</b>	743211-A	4"	.020	5/8"-11	<b>\$20.80</b>

**5" Fiber Sanding Discs**

**NORTON** Aluminum oxide discs with fiber backing for heavy metal removal, paint stripping, light deburring, finishing, weld grinding and blending. 5" dia x 7/8".

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>608544</b>	57276	24 Extra Coarse	1	<b>\$1.37</b>
<b>608545</b>	57277	36 Coarse	1	<b>\$1.24</b>
<b>608546</b>	57279	60 Medium	1	<b>\$1.07</b>
<b>608547</b>	57280	80 Fine	1	<b>\$1.05</b>



**7" Rubber Pad**

**Thakita.**

Stk.	Mfr.	Dia.	Price
<b>511744</b>	192978-2	7"	<b>\$26.30</b>

**7" Resin Fiber Sanding Discs**

**Thakita.** For sanding metal or wood surfaces

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>511665</b>	742089-A-5	36	5	<b>\$15.30</b>
<b>511663</b>	742070-A-5	50	5	<b>\$14.90</b>
<b>511664</b>	742071-A-5	80	5	<b>\$13.80</b>
<b>511666</b>	742091-A-5	120	5	<b>\$13.40</b>

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# NAILERS & STAPLERS

## Brad Nailers



**Bostitch 838468 Bostitch 838462 PORTER+CABLE 636709 Senco 291470**

Stk.	Mfr.	Brand	Operating Pressure	Fastener Capacity	Fastener Range	Air Inlet	Firing Mode	Tool Size	Tool Weight	Price
838468	BT1855K	Bostitch	70-120 psi	110	5/8" - 2-5/8"	1/4"	Sequential	9-1/4"L x 9-12"H	2.7 lbs.	<b>\$139.00</b>
838462	SB-21NI	Bostitch	70-100 psi	100	5/8" - 1-5/8"	1/4"	N/A	9-1/4"L x 8-1/2"H	2.6 lbs.	<b>\$180.00</b>
636709	BN200C	Porter Cable	70-120 psi	100	5/8" - 2"	1/4"	Sequential	9-1/2"L x 9-1/2"H	2.6 lbs.	<b>\$113.00</b>
291470	SLP20XP	Senco	100 psi	110	5/8" - 1-5/8"	1/4"	Sequential	9-1/2"L x 8-1/4"H	2.3 lbs.	<b>\$219.00</b>

## 18 Ga. Brad Nails

**Senco 18 Ga. Galvanized Brad Nails** For Senco SLP20.

Stk.	Mfr.	Length	Qty.	Price
291500	AY10EAA	5/8"	5,000	<b>\$31.60</b>
291501	AY11EAA	3/4"	5,000	<b>\$32.90</b>
291502	AY13EAA	1"	5,000	<b>\$36.30</b>
291503	AX15EAA	1-1/4"	5,000	<b>\$20.80</b>
291504	AX17EAA	1-1/2"	5,000	<b>\$24.20</b>
291505	AX18EAA	1-5/8"	5,000	<b>\$25.10</b>

**Bostitch 18 ga. Brad Nails** For use in BT35 (5/8" to 1-3/8"), BT50 (1-3/16" to 2"), SB-21NI (5/8" to 1-5/8") & Porter-Cable models BN125 (5/8" to 1-1/4") & BN200 (3/4" to 2").

Stk.	Mfr.	Length	Qty.	Price
838470	BT1300B	5/8"	3,000	<b>\$10.90</b>
838471	BT1303B	3/4"	3,000	<b>\$11.40</b>
838473	BT1309B	1"	3,000	<b>\$12.30</b>
838433	BT1314B	1-3/16"	3,000	<b>\$13.30</b>
838434	BT1335B	1-3/8"	3,000	<b>\$14.80</b>
838435	BT1340B	1-9/16"	2,000	<b>\$11.30</b>
838436	BT1345B	1-3/4"	2,000	<b>\$11.70</b>
838437	BT1350B	2"	2,000	<b>\$12.60</b>

**Porter Cable 18 Ga. Steel Finish Brad Nails** For Porter Cable BNI25A, Duo-Fast BB4400 & DBN-4052C, Hitachi NT32E, Paslode 2138F18, Senco SLP-20, A125BN, A200BN, Bostitch BT35B, SB-1842BN, SB1850BN & most 18 ga. brad nailers.

Stk.	Mfr.	Length	Qty.	Price
636725	PBN18063-1	5/8"	1,000	<b>\$4.61</b>
636726	PBN18075-1	3/4"	1,000	<b>\$4.81</b>
636727	PBN18100-1	1"	1,000	<b>\$5.20</b>
636728	PBN18125-1	1-1/4"	1,000	<b>\$5.85</b>
636729	PBN18200-1	2"	1,000	<b>\$7.63</b>

## 18 Ga. Galvanized Staples

**Bostitch Coated Galvanized Staples** 7/32" crown. For S32SX, T31-3SX5035 (1/2" to 1"), T28-5 & T35-15 (1/2" to 1-3/16"), T40SX-CT (1/2" to 1-1/4"). 7/32" crown. .050" x .035" chisel point & SB-21NI (1/2" to 1-3/8").

Stk.	Mfr.	Length	Qty.	Price
838450	SX5035-3/4G	3/4"	5,000	<b>\$39.40</b>
838452	SX5035-1G	1"	5,000	<b>\$50.70</b>
838454	SX5035-1-3/16G	1-3/16"	3,000	<b>\$37.50</b>
838464	SX5035 1-3/8G	1-3/8"	3,000	<b>\$41.20</b>

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## Finish Nailers



**Bostitch 838460 PORTER+CABLE 636730 PORTER+CABLE 636731 Senco 291461**

Stk.	Mfr.	Brand	Operating Pressure	Fastener Capacity	Fastener Range	Air Inlet	Firing Mode	Tool Size	Weight	Price
<b>838460</b>	N62FNK-2	Bostitch	70-120 psi	130	1" - 2-1/2"	1/4"	Sequential	14-11/16"L x 11-5/8"H	3.8 lbs.	<b>\$234.00</b>
<b>636730</b>	DA250C	Porter Cable	70-120 psi	100	1" - 2-1/2"	1/4"	Sequential	13"L x 11-1/2" H	3.85 lbs.	<b>\$256.00</b>
<b>636731</b>	FN250C	Porter Cable	70-120 psi	100	1" - 2-1/2"	1/4"	Sequential	11.8"L	3.9 lbs.	<b>\$227.00</b>
<b>291461</b>	FIP42XP	Senco	70-120 psi	104	1-1/4" - 2-1/2"	1/4"	Sequential	13"L x 11-5/8"H	4 lbs.	<b>\$255.00</b>

## Finishing Staplers



**Bostitch 838474 PORTER+CABLE 636762 Senco 291465 Senco 291487**

Stk.	Mfr.	Brand	Operating Pressure	Fastener Capacity	Fastener Range	Air Inlet	Firing Mode	Tool Size	Weight	Price
<b>838474</b>	SX1838K	Bostitch	70-120 psi	100	1/2" - 1-1/2"	1/4"	Sequential/Contact	14"L x 11"H	3 lbs.	<b>\$144.00</b>
<b>636762</b>	NS150C	Porter Cable	70-120 psi	100	1/2" - 1-1/2"	1/4"	Sequential	9.3"L x 9.8"H	2.65 lbs.	<b>\$117.00</b>
<b>291465</b>	SLS20XP	Senco	70-120 psi	160	3/8" - 1-1/2"	3/4"	Dual Action	12"L x 8-1/2"H	2.5 lbs.	<b>\$338.00</b>
<b>291487</b>	SNS200XP-BST	Senco	70-120 psi	160	1" - 2"	3/8"	Contact	15"L x 11"H	5.3 lbs.	<b>\$447.00</b>

## Finish Nails

**Bostitch 15 Ga. Steel Finish Angle Nails** For N60FN & N62FN. Steel finish nails are made from galvanized wire and are not treated after nails are manufactured. Product is not guaranteed against corrosion.

Stk.	Mfr.	Length	Qty.	Price
<b>838500</b>	FN1520	1-1/4"	3,655	<b>\$50.80</b>
<b>838501</b>	FN1524	1-1/2"	3,655	<b>\$53.20</b>
<b>838502</b>	FN1528	1-3/4"	3,655	<b>\$55.50</b>
<b>838503</b>	FN1532	2"	3,655	<b>\$59.60</b>
<b>838504</b>	FN1540	2-1/2"	3,655	<b>\$68.50</b>

**Porter Cable 15 Ga. Angle Nails** For Porter-Cable DA250, DA250C & CDA250, Duofast DAFN-6432, Hitachi NT65AA, Senco SFN1, SFN40, SFN30, A250FN & most other DA-type angled finish nailers.

Stk.	Mfr.	Length	Qty.	Price
<b>636720</b>	PDA15125	1-1/4"	4,000	<b>\$40.00</b>
<b>636721</b>	PDA15150	1-1/2"	4,000	<b>\$43.80</b>
<b>636722</b>	PDA15175	1-3/4"	4,000	<b>\$53.30</b>
<b>636723</b>	PDA15200	2"	4,000	<b>\$57.10</b>
<b>636724</b>	PDA15250	2-1/2"	4,000	<b>\$68.50</b>

**Porter Cable 16 Ga. Galvanized Finish Nails** For Porter-Cable FN250C & CFN250A, Duofast BFN740 & LFN-764, Hitachi NT65A, Paslode 3250F16 & IM250 II, Senco A250SM, Stanley-Bostitch SB-1664FN & most other 16 ga. straight finish nailers.

Stk.	Mfr.	Length	Qty.	Price
<b>636740</b>	PFN16100	1"	2,500	<b>\$14.00</b>
<b>636738</b>	PFN16125	1-1/4"	2,500	<b>\$15.20</b>
<b>636736</b>	PFN16150	1-1/2"	2,500	<b>\$15.10</b>
<b>636737</b>	PFN16200	2"	2,500	<b>\$19.50</b>
<b>636739</b>	PFN16250	2-1/2"	2,500	<b>\$22.50</b>

## Finishing Staples

**Porter Cable 18 Ga. Narrow Crown Staples** 1/4" galvanized/coated.

Stk.	Mfr.	Length	Qty.	Price
<b>636744</b>	PNS18050	1/2"	5,000	<b>\$18.10</b>
<b>636745</b>	PNS18063	5/8"	5,000	<b>\$19.20</b>
<b>636746</b>	PNS18075	3/4"	5,000	<b>\$20.20</b>
<b>636747</b>	PNS18100	1"	5,000	<b>\$24.10</b>

**Bostitch Coated Galvanized Staples** 7/32" crown. For S32SX, T31-3SX5035 (1/2" to 1"), T28-5 & T35-15 (1/2" to 1-3/16"), T40SX-CT (1/2" to 1-1/4"). 7/32" crown. .050" x .035" chisel point & SB-21NI (1/2" to 1-3/8").

Stk.	Mfr.	Length	Qty.	Price
<b>838450</b>	SX5035-3/4G	3/4"	5,000	<b>\$39.40</b>
<b>838452</b>	SX5035-1G	1"	5,000	<b>\$50.70</b>
<b>838454</b>	SX5035-1-3/16G	1-3/16"	3,000	<b>\$37.50</b>
<b>838464</b>	SX5035 1-3/8G	1-3/8"	3,000	<b>\$41.20</b>

**Senco Intermediate Crown Staples** For Senco model SNS40 stapler. Galvanized wire.

Stk.	Mfr.	Length	Qty.	Price
<b>291531</b>	N13BAB	1"	5,000	<b>\$39.70</b>
<b>291532</b>	N15BAB	1-1/4"	10,000	<b>\$88.20</b>
<b>291533</b>	N17BAB	1-1/2"	10,000	<b>\$94.00</b>
<b>291534</b>	N19BAB	1-3/4"	10,000	<b>\$109.00</b>
<b>291535</b>	N21BAB	2"	10,000	<b>\$123.00</b>

**Senco Galvanized Wire Finishing Staples** 1/4 crown. Fits Senco model SLS20 stapler.

Stk.	Mfr.	Length	Qty.	Price
<b>291525</b>	L10BAB	5/8"	5,000	<b>\$19.40</b>
<b>291526</b>	L11BAB	3/4"	5,000	<b>\$21.30</b>
<b>291527</b>	L12BAB	7/8"	5,000	<b>\$24.60</b>
<b>291528</b>	L13BAB	1"	5,000	<b>\$27.20</b>
<b>291529</b>	L15BAB	1-1/4"	5,000	<b>\$31.60</b>
<b>291530</b>	L17BAB	1-1/2"	5,000	<b>\$36.60</b>

### Framing Nailers



Stk.	Mfr.	Brand	Operating Pressure	Fastener Capacity	Fastener Range	Air Inlet	Firing Mode	Fastener Specs	Tool Size	Weight	Price
<b>838467</b>	F28WW	Bostitch	80-120	100	2" - 3-1/2"	1/4"	Smart Trigger	Wire collated stick	20"L x 14-1/4"H	7.7 lbs.	<b>\$312.00</b>
<b>636741</b>	FC350B	Porter Cable	70-120	60	2" - 3-1/2"	1/4"	Selectable Trigger	Clipped head stick	21.65"L x 14.76"H	7.3 lbs.	<b>\$288.00</b>
<b>291436</b>	325FRHXP	Senco	70-120	64	2" - 3-1/4"	3/8"	Selectable Actuation	Full round head smooth & ring shank	17-5/16"L x 11-7/8"H	7.9 lbs.	<b>\$280.00</b>
<b>291435</b>	325XP	Senco	70-120	83	2" - 3-1/4"	3/8"	Selectable Actuation	Smooth, ring, screw shank	17-5/16"L x 11-7/8"H	7.9 lbs.	<b>\$280.00</b>

### Coil Roofing Nailers



Stk.	Mfr.	Brand	Operating Pressure	Fastener Capacity	Fastener Range	Air Inlet	Firing Mode	Fastener Specs	Tool Size	Weight	Price
<b>838541</b>	RN46-1	Bostitch	70-120 psi	120	3/4" - 1-3/4"	1/4"	Contact	.120", 15°	10-1/2"L x 10-5/8"H	4.8 lbs.	<b>\$336.00</b>
<b>636751</b>	RN175B	Porter Cable	70-120 psi	120	3/4" - 1-3/4"	1/4"	Sequential/Contact	.120", 15°	10-1/4"L x 10-5/8"H	4.78 lbs.	<b>\$279.00</b>
<b>291456</b>	SCN455XP	Senco	70-120 psi	120	3/4" - 1-3/4"	1/4"	Dual Action	.120" round head	10-1/4"L x 10-7/8"H	5.6 lbs.	<b>\$322.00</b>

### Stick Nails

**Bostitch Stick Nails** For N16, N80SB, N88WW (6d to 16d), N70S (S6d to S10d), N70SB (S6d to S10d & .099 to .120 shank), N86S (6d to 16d), N100S (6d to 20d).

Stk.	Mfr.	Length	Shank	Qty.	Price
<b>838540</b>	S6D-FH	6d 2"	.113 Plain	2,000	<b>\$37.00</b>
<b>838542</b>	S8D-FH	8d 2-1/2"	.129 Plain	2,000	<b>\$37.50</b>
<b>838543</b>	S8D GAL-FH	8d 2-1/2"	.120 Galv. Plain	2,000	<b>\$64.20</b>
<b>838545</b>	S12D131-FH	12d 3-1/4"	.131 Plain	2,000	<b>\$60.20</b>
<b>838546</b>	S12D GAL-FH	12d 3-1/4"	.120 Galv. Plain	2,000	<b>\$85.00</b>
<b>838549</b>	S16D131-FH	16d 3-1/2"	.113 Plain	2,000	<b>\$68.10</b>

**Senco 34 Clipped Head Nails** For SN600 & 901XP framing nailers.

Stk.	Mfr.	Length	Shank	Qty.	Price
<b>291507</b>	GE24APBX	8d 2-3/8"	.113 Ring	2,500	<b>\$57.20</b>
<b>291509</b>	GC24APBX	8d 2-3/8"	.113 Smooth	2,500	<b>\$59.50</b>
<b>291508</b>	GC25AABX	8d 2-1/2"	.113 Galvanized	2,500	<b>\$113.00</b>
<b>291539</b>	KC28ASBX	12d 3-1/4"	.131 Galvanized	2,500	<b>\$160.00</b>
<b>291541</b>	KC28APBX	12d 3-1/4"	.131 Smooth	2,500	<b>\$86.00</b>

**Senco 20 Full Round Head Stick Nails** For 700XL-FRH & 902XP framing nailers.

Stk.	Mfr.	Length	Shank	Qty.	Price
<b>291520</b>	GL24APBSN	8d 2-3/8"	.113 Ring	5,000	<b>\$99.00</b>
<b>291521</b>	GD24APBSN	8d 2-3/8"	.113 Plain	5,000	<b>\$130.00</b>
<b>291522</b>	GD25AABS	8d 2-1/2"	.113 Galvanized	5,000	<b>\$162.00</b>
<b>291523</b>	KD28APBSN	12d 3-1/4"	.131 Plain	4,000	<b>\$130.00</b>
<b>291524</b>	KD28AABS	12d 3-1/4"	.131 Galvanized	4,000	<b>\$208.00</b>

### Coil Roofing Nails

**Bostitch** Standard galvanized roofing nails for RN45B (all sizes), N12B (7/8" to 1-3/4") & N12-1 (1-1/4" to 1-3/4").

Stk.	Mfr.	Length	Qty.	Price
<b>838480</b>	CR2DGAL	1"	7,200	<b>\$103.00</b>
<b>838481</b>	CR3DGAL	1-1/4"	7,200	<b>\$78.70</b>
<b>838482</b>	CR4DGAL	1-1/2"	7,200	<b>\$115.00</b>

### Pneumatic Air Tool Oil



**Campbell Hausfeld** Use w/oil-lubricated air tools to maximize tool performance & long tool life.

Stk.	Mfr.	Size	Price
<b>291135</b>	ST1270	8 oz.	<b>\$4.23</b>

**Milton** Extends life & performance of air tools, lubricators, valves & cylinders. Prevents seizure of air tools & pneumatic equipment. Recommended for tools requiring 10 weight non-detergent lubricant. 5°F to 350°F working temperature.

Stk.	Mfr.	Size	Price
<b>968495</b>	1001-4	4 oz.	<b>\$6.93</b>

# ROUTERS

## Fixed Base Routers



### 1.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Weight	Price
<b>622903</b>	450	Porter Cable	120	7	27,000	1/4"	4.1 lbs.	<b>\$165.00</b>

### 1.75 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Weight	Price
<b>260230</b>	1617	Bosch	120	11	25,000	1/4", 3/8", 1/2", 8mm	7.5 lbs.	<b>\$239.00</b>
<b>243007</b>	DW616	DeWalt	120	11	24,500	1/4", 1/2"	7.1 lbs.	<b>\$207.00</b>
<b>575585</b>	5615-20	Milwaukee	120	11	24,000	1/4", 1/2"	8.75 lbs.	<b>\$192.00</b>
<b>575586</b>	5615-21	Milwaukee	120	11	24,000	1/4", 1/2"	8.75 lbs.	<b>\$210.00</b>
<b>623608</b>	690LR	Porter Cable	120	11	10,000-27,500	1/4", 3/8", 1/2"	8 lbs.	<b>\$194.00</b>
<b>623609</b>	691	Porter Cable	120	10	23,000	1/4", 1/2"	9.25 lbs.	<b>\$234.00</b>
<b>260311</b>	1817	Skil	120	9.5	25,000	1/4", 1/2"	7.2 lbs.	<b>\$110.00</b>

### 2 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Weight	Price
<b>260234</b>	1618EVS	Bosch	120	12	8,000-25,000	1/4", 3/8", 1/2"	8.2 lbs.	<b>\$311.00</b>

### 2.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Weight	Price
<b>260231</b>	1617EVS	Bosch	120	12	8,000-25,000	1/4", 3/8", 1/2", 8mm	7.7 lbs.	<b>\$240.00</b>
<b>616620</b>	M12VC	Hitachi	120	11	8,000-24,000	1/4", 1/2"	7.3 lbs.	<b>\$181.00</b>
<b>623683</b>	892	Porter Cable	120	12	10,000-23,000	1/4", 1/2"	9.5 lbs.	<b>\$269.00</b>

### 3.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Weight	Price
<b>624759</b>	7518	Porter Cable	120	15	10,000+	1/4", 3/8", 1/2"	14.5 lbs.	<b>\$477.00</b>
<b>624760</b>	7519	Porter Cable	120	15	21,000	1/4", 3/8", 1/2"	15 lbs.	<b>\$462.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

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### Plunge Routers



#### 1.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>511361</b>	RP0900K	Makita	115	8	27,000	1/4"	1-3/8"	6 lbs.	<b>\$220.00</b>

#### 1.75 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>623612</b>	693LRPK	Porter Cable	120	10	23,000	1/4", 3/8", 1/2"	2-1/2"	8 lbs.	<b>\$288.00</b>

#### 2 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>242995</b>	DW621	DeWalt	120	10	8,000-24,000	1/4", 1/2"	2-1/8"	9 lbs.	<b>\$344.00</b>
<b>260317</b>	1827	Skil	120	10	10,500-25,000	1/4", 1/2"	2"	8.6 lbs.	<b>\$139.00</b>

#### 2.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>260232</b>	1617EVSPK	Bosch	120	12	8,000-25,000	1/4", 3/8", 1/2", 8mm	2-1/4"	19.7 lbs.	<b>\$317.00</b>

#### 3 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>243010</b>	DW625	DeWalt	120	15	8,000-22,000	1/4", 1/2"	2-7/16"	11.25 lbs.	<b>\$402.00</b>

#### 3.25 HP

Stk.	Mfr.	Brand	Volts	Amps	Speed (rpm)	Collet Capacity	Plunge Depth	Tool Weight	Price
<b>260258</b>	1619EVS	Bosch	120	15	8,000-21,000	1/4", 1/2"	2-9/16"	13.2 lbs.	<b>\$434.00</b>
<b>412460</b>	FT2200EP	Freud	120	15	10,000-22,500	1/4", 1/2"	2-9/16"	13 lbs.	<b>\$320.00</b>
<b>511362</b>	RP1800	Makita	115	15	22,000	1/4", 1/2"	2-3/8"	13.4 lbs.	<b>\$389.00</b>
<b>624791</b>	7538	Porter Cable	120	15	21,000	1/4", 3/8", 1/2"	3"	17.25 lbs.	<b>\$471.00</b>
<b>624792</b>	7539	Porter Cable	120	15	10,000	1/4", 3/8", 1/2"	3"	17.25 lbs.	<b>\$510.00</b>

### Laminate Trim Routers



**BOSCH** 258964 **DEWALT** 242839 **PORTER+CABLE** 626669

Stk.	Mfr.	Brand	Volts	Amps	HP	Speed (rpm)	Collet Capacity	Tool Size	Tool Weight	Price
<b>258964</b>	PR10E	Bosch	120	5.7	1	35,000	1/4"	7-1/2"L	3.2 lbs.	<b>\$148.00</b>
<b>242839</b>	DWE6000	DeWalt	120	4.5	N/A	31,000	1/4"	N/A	3.3 lbs.	<b>\$156.00</b>
<b>626669</b>	PCE6430	Porter Cable	120	4.5	N/A	31,000	1/4"	N/A	4.6 lbs.	<b>\$156.00</b>

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 for the complete specifications of the products listed on this page.



## ROUTER ACCESSORIES



### Ez Pro™ Mortise & Tenon Jig

**General** Ready for use out-of-box. Quickly cut matching mortise & tenons with a single jig to produce 1/4"-1/2" joints for cabinets, furniture & frames from 1"-3"L.

- Mount directly to workbench or onto the wood stock

- 1-piece heat treated, high grade aluminum body w/adjusting bolts, upcut fasteners & steel bit
- Solid steel adjustable positioning bars & router bushing assembly
- Handles stock ranging from 1/2" to 1-1/2" thick

**Includes** quick change 1-3/16" guide sleeve & locking nut, 1/4" guide bushing (1-1/4" o.d.), 1/4" shank centering pin, flat spanner wrench, locking nut adjustment, 3/8" & 1/2" guide bushings, 1/4" straight up cut spiral carbide router bit & alignment tool.

Stk.	Mfr.	Price
<b>419710</b>	870	<b>\$150.00</b>



### 24" Omnijig® Joinery System

**PORTER+CABLE** Fixed space template enables half-blind dovetails to be cut w/a single pass of the router. Use template also for rabbeted half-blind & sliding-tapered dovetails.

- Factory assembled
- Durable steel & alloy construction
- Durable base clamps/bolts directly to work bench
- Concise on-board instructions guide user for various applications
- Set & Forget template alignment stops & router bit depth gauges combine to minimize test cuts & offer repeatability
- Router bit depth gauges allow bit depth set-up w/out measuring
- Stabilizer bar enhances router control & deflects chips downward
- 1-hand clamping system for easy positioning of wood on jig
- Machined, textured surfaces & steel clamping mechanism secure wood
- DVD featuring Norm Abram provides additional support

24" stock width. 1/8" to 1-1/2" stock thickness. 1.25 to 1.75 HP minimum router.

**Includes** jig base, DVD, 7 template guides (G#s 0-6), 24" variable finger template, R&L template stops (A4, B1 & C1), straight bit (S2), dovetail bit (D4), router bit depth pod, square screwdriver, wrench, 2 O-rings & dovetail set-up guide.

Stk.	Mfr.	Price
<b>636615</b>	77240	<b>\$936.00</b>



### EZ PRO7™ Dovetailer II Dovetail Jig Kit

**General** All-in-one jig produces precise dovetail joints out-of-the-box. Using the jig & a handheld or table router, make 1/2-blind or through dovetail joints & box joints. Self-aligning design ensures both ends of the joint match up every time.

- Router control knobs provide accurate use
- Sturdy, machined aluminum construction w/integrated clamps

**Includes** 1/2" dovetail router bit.

Stk.	Mfr.	Price
<b>419701</b>	861	<b>\$80.00</b>



### 12" Deluxe Dovetail Jigs

**PORTER+CABLE** CNC machined aluminum templates provide superior accuracy in cutting half-blind dovetails, rabbeted half-blind dovetails & sliding dovetails. Alignment lines & router bit depth stop allow quick, easy setup. Heavy-duty steel 3/4" cam-type clamps w/sand-paper-backed locking bars secure wood. 1/8" stamped steel base.

12" stock width. 1/4" to 1-1/8" stock thickness. 1 to 1.5 HP minimum router.

**Dovetail Machine** Cuts half-blind, rabbeted half-blind & sliding dovetails. **Includes** template 4211, router bit, template guide & lock nut.

Stk.	Mfr.	Price
<b>623730</b>	4210	<b>\$184.00</b>

**Deluxe Dovetail Machine** Cuts same as above, plus through dovetails, box joints & mini box joints. **Includes** same as above, plus template 4213 & 1 ea. add'l. router bit, template guide & lock nut.

Stk.	Mfr.	Price
<b>623732</b>	4212	<b>\$233.00</b>

**Deluxe Dovetail Jig Combination Machine** Cuts same as both above, plus through mini dovetails & mini box joints. **Includes** same as both above, plus template 4215 & 2 ea. add'l. router bit & template guide.

Stk.	Mfr.	Price
<b>623733</b>	4216	<b>\$263.00</b>



### Bench Cookie™ Set

**Bench Dog** Non-marring, firm-grip rubber pads protect workpiece surface & prevent slipping while planing, routing, sanding, carving & more. Provides level surface & extra clearance. Makes edge routing & finishing easy. Fast set-up. Durable for long-term use. 3" dia. x 1"H each. 4/pkg.

Stk.	Mfr.	Price
<b>235412</b>	10-035	<b>\$14.30</b>



### Bench Cookie™ Cones

**Bench Dog** Protects the top pad of any Bench Cookie™ while finishing. Snaps to any cookie to add grip. Won't slide on work surface. Stackable. 4/pkg.

Stk.	Mfr.	Price
<b>235424</b>	10-054	<b>\$6.65</b>

### Template Guides

#### PORTER+CABLE

Stk.	Mfr.	Description	ID	OD	Distance Past Base	Price
<b>627960</b>	42024	Lock Face	21/32"	3/4"	9/16"	<b>\$9.27</b>
<b>627970</b>	42033	General	13/32"	1/2"	5/16"	<b>\$9.27</b>
<b>627973</b>	42036	General	9/32"	3/8"	5/16"	<b>\$9.27</b>
<b>627963</b>	42027	1/2" Dovetailing & General	11/32"	7/16"	5/32"	<b>\$9.27</b>
<b>628633</b>	42237	Locknut for all Guides				<b>\$5.68</b>

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**Template Guides Kit**

**PORTER+CABLE** Cuts 1/2" dovetails & rabbet dovetails. Contains 7 template guides & 2 lock nuts.

12" stock width. 5/16" to 1" stock thickness. 7/8 HP min. router.

Stk.	Mfr.	Price
<b>627950</b>	42000	<b>\$50.30</b>

**Router Sub-bases**

**PORTER+CABLE** 1-1/8" dia. center hole accepts standard template guides. Phenolic.

For use with 514, 518, 520 & 7500 series routers. 7" dia.

Stk.	Mfr.	Price
<b>625180</b>	695870	<b>\$15.50</b>

For use with 690 & 890 series routers. 5-3/4" dia.

Stk.	Mfr.	Price
<b>628298</b>	42186	<b>\$12.00</b>



**Plunge Router Base**

**PORTER+CABLE** Converts 3-1/2" fixed-base router into a plunge router. Provides all plunging capabilities & operation benefits described w/Model 693 Plunge Router. Fits most 3-1/2" Porter-Cable or Rockwell motors: 100 (except w/segment cap depth adjustment), 350, 630,

670, 690 & 691. Also fits Black & Decker Model 2720 & Bosch Models 1601, 1602, 1603, 1604 & 1606. Base accepts standard Porter-Cable sub-bases (42186 & 42188), edge guides (42160 & 5043) & template guides.

**Includes** base, sub-base & manual.

Stk.	Mfr.	Price
<b>624421</b>	6931	<b>\$138.00</b>

**Collets**

**PORTER+CABLE** Self-releasing drop in collets. For models 350, 518, 520, 536, 537, 630, 670, 690, 691, 692, 693, 7518, 7519, 7536, 7537, 7538 & 7539.

Stk.	Mfr.	Item	Price
<b>628766</b>	42999	1/4"	<b>\$15.70</b>
<b>628764</b>	42975	3/8"	<b>\$18.00</b>
<b>628760</b>	42950	1/2"	<b>\$16.00</b>



**Work Mat**

**SKIL** Sure grip, easy-to-clean surface holds sanding or routing workpieces w/out clamps or marring. 24" x 36"

Stk.	Mfr.	Price
<b>258953</b>	RAS120	<b>\$14.40</b>

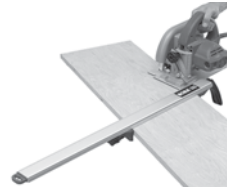


**Precision Bit & Blade Setup Bars**

**Kreg** Concave step on bottom straddles router bit or saw blade for precise height adjustment. Step on top gauges cut depth. Step end sets blade to fence, or bit to fence distance. Made from soft aluminum to prevent bit or blade damage.

**Includes** 7 setup bars: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" & 1/2" & case.

Stk.	Mfr.	Price
<b>793904</b>	PRS3400	<b>\$48.60</b>

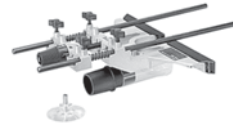


**Clamp Edge™**

**Bora** Straight-edge clamping guides for woodworking, cabinetmaking, carpentry, etc. Use with circular, jig saws, routers and more. Clamps easily on everything from dimensional lumber to large sheets of flat building materials.

Over-sized clamping handle (w/lever-locking mechanism) provides increased clamping pressure. Large, rubberized clamps safely secure material. Aircraft-grade extruded aluminum body insures straight accurate cuts and rigid clamping. Easy-hang storage.

Stk.	Mfr.	Length	Max. Opening	Price
<b>193615</b>	543024	24"	24"	<b>\$44.00</b>
<b>193616</b>	543036	36"	36"	<b>\$50.60</b>
<b>193617</b>	543050	50"	50"	<b>\$58.30</b>



**Deluxe Edge Router Guide**

**BOSCH** Precision-fine adjustment control for cuts along the workpiece edge or up to 8" in from the edge. For arcs & circles up to 32" dia.

For 1613, 1613EVS, 1613AEVS, 1615, 1617, 1617EVS, 1617EVS PK, 1617PK, 1618, 1618EVS, 1619EVS routers.

**Includes** pivot plate, dust extraction hood, vacuum hose adapter & attachment hardware.

Stk.	Mfr.	Price
<b>259465</b>	RA1054	<b>\$59.70</b>

**Precision Edge Guide**

**PORTER+CABLE** Solid anodized extruded aluminum body for strength & durability. Dual sliding & lockable adjustment mounts can be set quickly & accurately. Adjustment scale offers fraction & metric increments. Large fence offers smooth handling when routing.

For models 100, 690, 690LR, 690LRVS, 691, 693, 891, 892 & 893.

Stk.	Mfr.	Price
<b>628740</b>	42690	<b>\$57.00</b>

**Standard Router Edge Guides**

**PORTER+CABLE**



For models 100, 150, 350, 630, 670, 675, 690, 690LR, 690LRVS & also 691 (w/type 1 & 2 bases), plus 891 & 892.

Stk.	Mfr.	Price
<b>628164</b>	42160	<b>\$25.80</b>

For models 537 & also 691 (w/type 3 & 4 bases).

Stk.	Mfr.	Price
<b>627762</b>	839120	<b>\$45.00</b>

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### Circle Jigs

**Woodhaven** Easy set-up & use. Scale on the bar allows reading the radius w/out measuring. Adjustable cursor zeros-out the scale & provides correct readings for bits up to 3/4" dia. Cuts as small as 2" dia. & as large a diameter needed. 1/8" pilot hole required for pivot pin.

**Includes** pencil holder (for drawing circles) & NoDrill Plate w/quick attach feature (to quickly remove router from the plate).

**Shown w/router, sold separately.**

#### 24" bar, 61" capacity

Stk.	Mfr.	Price
982020	3260	\$168.00

#### 48" bar, 109" capacity

Stk.	Mfr.	Price
982022	3270	\$189.00

### 4-Piece Radius Guide Sets



**Woodhaven** 3/8" T templates for maximum support of flush trim bit & long template life. Use on router table or w/portable router to radius the corner of any part. Clamp or double stick tape work to the template. Use any 3/4" or smaller diameter flush trim bit w/the bearing

on the shank or end. Screw-in pins index the guide on the work for a perfect radius every time.

**Includes** 3/4" & 1", 1-1/4" & 1-1/2", 1-3/4" & 2", 2-1/2" & 3".

Stk.	Mfr.	Item	Price
982030	3650	Outside Guides	\$46.20
982031	3655	Inside Guides	\$46.20

## ROUTER TABLES



### Precision Benchtop Router Table

**Kreg** The capability of a full-size, industrial router table in a portable package.

- Heavy-duty steel stand w/wide stance for extra support, plus thick rubber feet to dampen vibration
- Precise Insert Plate w/Level-Loc

- Reducing Rings twist into place & lock in level & flush w/plate surface
- Industrial-quality fence w/cam clamps
- MDF table top w/Easy-Slide™ Micro-Dot skin
- Markings on insert plate allow easy router centering & mounting
- Works as a vertical jointer w/included jointing rods

Table size 24"L x 16"W x 1-1/8"T. Insert plate 9-1/4" x 11-3/4" x 3/8". Overall size 30"L x 19-1/4"W x 20-1/4"H. Weight 31 lbs.

**Includes** fence, top, insert plate, 3 level-loc rings, set of insert plate levelers & stand.

Stk.	Mfr.	Price
793487	PRS2100	\$232.00



### Precision Router Table System

**Kreg** Precision setups are simple and accurate, thanks to the self-squaring fence; it features a T-square style design, which keeps the fence permanently parallel to the miter/T-slot. Accurate, easy-to-use measuring scale calibrates easily to match any bit, as well as an included

micro-adjust wheel and fence-locking mechanisms ensure perfect, stable setups. The fence's sliding faces are easy to adjust and allow the fence to be used as a jointer. A tool-free dust collection port and improved T-square carriage also provide fast, easy fence installation.

Table size 24"D x 32"W x 1"T. Insert plate 9-1/4" x 11-3/4" x 3/8". Overall size 24"D x 37"W x 29"- 35"H.

**Includes** precision router table fence, precision router table top, insert plate, 4 insert plate levelers, 3 Level-Loc reducing rings & multipurpose shop stand.

**Visit our website for more information.**

Stk.	Mfr.	Price
793482	PRS1045	\$504.00



### ProMaxRT™ Complete Router Table Cabinet

**Bench Dog** Extremely durable table top, stand & fence complete this package.

- 32" x 24" x 1-1/2" T 1-piece solid cast iron top (97 lbs.) provides the ultimate in stability, durability & accuracy. Ultra-flat surface is machine-ground to w/in .008".

- Features 5+ sq./ft. of work surface, built-in dual track (standard miter track & Universal T-Track handles any accessory) & 12-pt. plate leveling/locking system. 8-1/4" x 11-3/4" opening accepts ProPlate™ aluminum router plate, sold separately.
- ProFence32™ (32"L x 3-1/2"H) of heavy-duty extruded & anodized
- w/MDF sub fence (3/4" T) features T-knobs, heavy-duty plastic bit guard, EZ-Load Universal T-tracks & 2-1/2" dia. dust port.
- ProCabinet™ Baltic birch base (24-3/4"W x 19-1/4"D x 33-1/2"H) is bolstered w/bolt & cross-dowel construction to support the biggest tops.
- Cabinet features storage space (or add Door & Drawer Packages, sold separately), plus 4" dia. dust port to draw saw dust & chips away from cabinet.

**Includes** pull-out router bit tray shelves, 4 leveling feet (add ProCasters for mobility, sold separately).

Stk.	Mfr.	Price
235472	40-300	\$1,153.00



### ProTop™ Contractor Portable Bench Top Table

**Bench Dog** The same features & components as bigger tables w/less weight. Unique offset router location & dual-position fence offer over 11" of table support. Fence converts into a vertical jointer. Twin steel rails secure router.

- Baltic birch enclosed cabinet reduces noise, dust
- 1/4" accessory T-slot for mounting feather boards, stops, fence risers, switches, etc.
  - Dual position bit guard
- Dust port w/integral 2-1/4" fitting
  - Rubber feet prevent slippage
- Adjustable miter gauge track
  - Accepts all routers

Table size 16"D x 24"W laminate. Fence 3-5/8"H x 22"L. Weight 40 lbs.

**Includes** fence, top, predrilled router plate & cabinet.

Stk.	Mfr.	Price
235461	40-001	\$420.00

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**Deluxe Router Table Kits**

**Excalibur**

- Heavy-duty massive router lift with 9-1/4" x 11-3/4" aluminum top plate
- Stable 4-post/lift screw design & chain drive lifting system controlling all 4 corners simultaneously

- Fits all fixed base router motors (Some router models may require reducer collars/adapters)
- Smooth above-the-table adjustment mechanism for fast tool changes & bit setting
- Tubular steel stand includes mobility kit, adjustable leveling feet & on/off safety switch w/removable lock-out key
- Fence has 2-1/4" dust collection outlet & adjustable scales
- Under table steel dust enclosure w/access door & adjustable air vent

Table size 32"L x 24"D x 36-1/2"H. Fence 35-1/2"L. Overall size 35-1/2"L x 24"D x 41"H. Weight 179 lbs.

**Includes** router fence, stand, router lift, dust collection outlet 2 1/4" dust hose & 2 hose clamps.

**Phenolic Top**

Stk.	Mfr.	Price
<b>420745</b>	40-200P	<b>\$1,384.00</b>

**MDF Top**

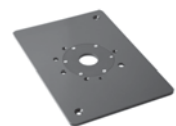
Stk.	Mfr.	Price
<b>420746</b>	40-200M	<b>\$1,210.00</b>

**Cast Iron Top**

Stk.	Mfr.	Price
<b>420747</b>	40-200C	<b>\$1,498.00</b>

**Router Reducer Collars** For Excalibur router lift (#40-125).

Stk.	Mfr.	Item	Price
<b>420753</b>	40-312	3-1/2"	<b>\$11.90</b>
<b>420754</b>	40-314	3-1/4"	<b>\$12.10</b>



**Aluminum ProPlates™**

**Bench Dog** CNC precision-machined aluminum plate (8-1/4" x 11-3/4" x 1/4" T). Heavy-duty hardcoat anodized plate prevents sagging. Fits all Bench Dog router tables.

**Includes** mounting hardware, fulcrum pin & 1-1/2" dia. insert ring (for most router applications).

**Large Pro plates** 3-11/16" opening.

Stk.	Mfr.	Item	Price
<b>235477</b>	40-123	No. 1 Pre-drilled	<b>\$70.20</b>
<b>235478</b>	40-124	No. 2 Pre-drilled	<b>\$70.20</b>
<b>235479</b>	40-125	No pretapped mounting holes.	<b>\$70.20</b>

**Standard Pro Plates** 3-1/4" opening.

Stk.	Mfr.	Item	Price
<b>235474</b>	40-120	No. 1 Pre-drilled	<b>\$70.20</b>
<b>235475</b>	40-121	No. 2 Pre-drilled	<b>\$70.20</b>
<b>235476</b>	40-122	No pretapped mounting holes.	<b>\$70.20</b>

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 of the products listed on this page.

**Router Table Accessories**

**Bench Dog** For ProBench Cabinet, ProMAX Cabinet, ProTop Cabinet & Stand.

**Door** Converts modular cubby by adding a door. Baltic birch door, European hinges & steel hardware.

Stk.	Mfr.	Price
<b>235449</b>	40-084	<b>\$72.00</b>

**Drawer** Converts modular cubby into a set of 2 drawers. Baltic birch drawer fronts & steel hardware.

Stk.	Mfr.	Price
<b>235448</b>	40-083	<b>\$150.00</b>

**Locking Caster Kit** Use w/ProTop™ Complete Stand (40-200) or ProMaxRT™ Complete Cabinet (40-300) to mobilize & secure table. Kick-down levers lock wheel & swivel. 4/set.

Stk.	Mfr.	Price
<b>235473</b>	40-188	<b>\$62.00</b>

**ProFence™** Heavy-duty extruded & anodized aluminum fence is precision machined flat, true & square. Easy, toolfree setup w/large T-knobs. Heavy-duty plastic bit guard for large or small bits. Hole-free fence surface. EZ-Load Universal T-tracks on front & back (accepts 1/4" & 5/16" T-bolts, plus 1/4" hex bolts for hold-downs, stops, Feather-Loc featherboard & more). 2-1/2" dia. dust port mounted in back of fence. Tool-free, easy-adjust 3/4" T MDF sub fences (perfect for zero-clearance operations). Fits cast-iron Pro-MaxRT™ & ProTop™ router Phenolic tables. 32"L x 3-1/2"H.

Stk.	Mfr.	Price
<b>235480</b>	40-132	<b>\$162.00</b>



**REBEL® Router Table**

**Woodstock** Designed for maximum rigidity & strength, REBEL features a built-in aluminum insert, independently adjustable split fence, miter gauge & dust pickup safety guard. Table turns any router into a professional shaping workstation delivering easy-to-use accuracy.

Excellent for large production runs or any shaping job requiring easy set-up & superior accuracy.

- 2 independently-adjustable 3" x 12" fences
- Solid cast-aluminum construction
- 3" dust pickup/safety guard
- Compatible w/Incra Jig®
- Precision milled parts
- Aluminum insert w/pop-out rings
- Completely portable

Overall size 24"W x 18"D x 17"H. Weight 35 lbs.

**Includes** miter gauge, aluminum insert, fence, dust safety guard & manual.

Stk.	Mfr.	Price
<b>786850</b>	W2000	<b>\$376.00</b>

**Anti-Vibration Pad** Indispensable 1/8" thick black pad for stopping bench top tool vibration. 24" x 36"

Stk.	Mfr.	Price
<b>786840</b>	W1322	<b>\$14.80</b>

**Safety Switch w/Cord** Rocker-type safety switch mounts directly to the REBEL® Router-Table or any stationary power tool workbench. Red plastic switch cover is a removable key to lock switch in the off position.

Stk.	Mfr.	Price
<b>786851</b>	W2001	<b>\$18.00</b>

**Board Buddies® Anti-Kickback Device** For safety, this device turns clockwise to prevent kickback on router tables & table saws. Yellow-colored Board Buddies® maintain even pressure against table & fence, resulting in safer, cleaner cuts.

Stk.	Mfr.	Price
<b>786795</b>	W1104	<b>\$77.70</b>



**Router Table**

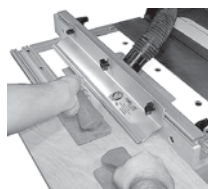
**PORTER-CABLE** Large machined aluminum table (19-3/4" x 16-3/4") w/cast-in lip to support table extensions. 3/4" miter gauge slot. Use for all Porter-Cable routers.

- Multiple starting pin locations
- 20 amp lockable key-type switch 2-1/2" dia. dust collection hood

- Quick-adjust split fence w/independently adjustable halves
- 3-5/8" table hole allows 3-1/2" dia. router bits
- 12-7/8" leg height allows use of 1-1/2 to 3-1/4 HP routers

**Includes** fence, miter gauge, 2 wrenches & manual.

Stk.	Mfr.	Price
<b>623616</b>	698	<b>\$243.00</b>



**Panel-Loc™ Guard**

**Bench Dog** Combination handguard & panel hold-down for router tables & table saws. Use it for routing panels or ripping large sheets of plywood or veneer. Provides a solid barrier between your hands & the cutter. Helps alleviate chatter, reduces fatigue & improves results.

Stk.	Mfr.	Price
<b>235435</b>	40-025	<b>\$78.00</b>



**Feather-Loc™ w/Slot Adapter**

**Bench Dog** Allows you to hold the stock in 1 hand & adjust featherboard tension w/the other hand. Advanced tip design ensure the tool fully contacts your workpiece without marring. The feather angle is a perfect balance of holding power & kickback resistance. Fits all standard

3/8" x 3/4" miter gauge slots. Use 1 featherboard on the table saw surface, place it before the saw blade.

**Includes** mounting bolts, knobs & instructions.

Stk.	Mfr.	Price
<b>235420</b>	10-005	<b>\$17.60</b>

**ROUTER BITS**

**Router Bit Centering Gauge**



**Robert Larson** Precision-machined gauge lets you know where your router bit is going to cut. Fits 1/4" & 1/2" routers. Overall size 3"L.

Stk.	Mfr.	Price
<b>768884</b>	825-3350	<b>\$9.14</b>



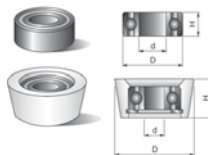
**Router Bit Bearings**  
**Roman Carbide**

**1/2" OD, 3/16" ID**

Stk.	Mfr.	Price
<b>785644</b>	DC3012	<b>\$3.24</b>

**3/8" OD, 3/16" ID**

Stk.	Mfr.	Price
<b>785643</b>	DC3011	<b>\$4.46</b>



**Router Bit Ball Bearings**

**freud** Superior-quality ball bearings lubricated w/high temperature lubricant to withstand the stresses of turning at 22,000 rpm. Shielded to keep out unwanted wood dust & chips that reduce bearing life.

Stk.	Mfr.	ID (d)	Bearing Dia. (D)	Bearing H. (H)	Price
<b>411975</b>	62-100	1/8"	3/8"	5/32"	<b>\$8.16</b>
<b>411976</b>	62-102	3/16"	3/8"	1/8"	<b>\$9.89</b>
<b>411977</b>	62-104	3/16"	1/2"	3/16"	<b>\$7.83</b>
<b>411978</b>	62-107	5/16"	7/8"	9/32"	<b>\$10.60</b>
<b>411979</b>	62-112	1/4"	5/8"	3/16"	<b>\$9.24</b>
<b>411980</b>	62-113	3/16"	5/8"	3/16"	<b>\$9.24</b>



**3-Piece Round Over/Beading Bit Sets**

**freud** 3/8" bearing converts round over bits to beading bits. Round over bits soften furniture edges, beading bits produce a simple, decorative edge. Carbide-tipped bits.

**1/2" Shank Includes** wood case & 1/4", 3/8" & 1/2" round over bits (34-120, 34-124 & 34-126).

Stk.	Mfr.	Price
<b>412243</b>	89-150	<b>\$88.00</b>

**1/4" Shank Includes** wood case & 3/16", 3/8" & 1/2" round over bits (34-108, 34-114 & 34-116).

Stk.	Mfr.	Price
<b>412241</b>	89-100	<b>\$85.50</b>



**5-Piece Round Over/Beading Bit Sets**

**freud** 3/8" bearing converts round over bits to beading bits. Round over bits soften the edges of fine furniture, while beading bits produce a simple, decorative edge on furniture and moldings. Carbide-tipped bits.

**1/4" Shank Includes** wood case, 1/8" round over (34-104), 1/4" round over (34-110), 1/2" round over (34-116), 3/16" round over (34-108), 3/8" round over (34-114).

Stk.	Mfr.	Price
<b>412242</b>	89-102	<b>\$142.00</b>

**1/2" Shank Includes** wood case, 1/8" round over (34-118), 3/8" round over (34-124), 3/4" round over (34-128), 1/4" round over (34-120), 1/2" round over (34-126).

Stk.	Mfr.	Price
<b>412244</b>	89-152	<b>\$151.00</b>



**3-Piece Cove Bit Set**

**freud** Produces classical decorative edge on furniture and moldings. 1/2" shank. Carbide-tipped bits.

**Includes** wood case & 1/4", 3/8" & 1/2" cove bits (30-110, 30-112 & 30-114).

Stk.	Mfr.	Price
<b>412247</b>	89-550	<b>\$89.40</b>

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### 3-Piece Adjustable Cabinet Door Bit Sets

**freud** Designed for use with a 1/2" shank

table-mounted router with 3/4" stock. Use on CNC & other automatic routers as well as hand-held & table-mounted portable routers. Sets include wood case. 1/2". Carbide-tipped bits.

**97-150 Includes** round over rail & stile set (99-760) & bevel raised panel (99-515).

Stk.	Mfr.	Price
<b>412010</b>	97-150	<b>\$221.00</b>

**97-152 Includes** round over rail & stile set (99-760) & cove raised panel (99-518).

Stk.	Mfr.	Price
<b>412011</b>	97-152	<b>\$221.00</b>

**97-154 Includes** round over rail & stile set (99-760) & ogee raised panel (99-520).

Stk.	Mfr.	Price
<b>412012</b>	97-154	<b>\$221.00</b>

**97-250 Includes** ogee rail & stile set (99-761) & bevel raised panel (99-515).

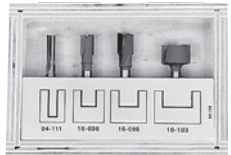
Stk.	Mfr.	Price
<b>412013</b>	97-250	<b>\$221.00</b>

**97-252 Includes** ogee rail & stile set (99-761) & cove raised panel (99-518).

Stk.	Mfr.	Price
<b>412014</b>	97-252	<b>\$221.00</b>

**97-254 Includes** ogee rail & stile set (99-761) & ogee raised panel (99-520).

Stk.	Mfr.	Price
<b>412015</b>	97-254	<b>\$221.00</b>



### 4-Piece Undersized Plywood Bit Set

**freud** For perfectly routing fitted grooves & dados. Designed to cut today's undersized 1/4" to 3/4" plywood. 1/4" shank. Carbide-tipped bits.

**Includes** wood case, 7/32" solid carbide two flute straight (04-111), 15/32" mortising (16-098), 11/32" mortising (16-096), 23/32" mortising (16-103).

Stk.	Mfr.	Price
<b>412256</b>	90-106	<b>\$72.70</b>

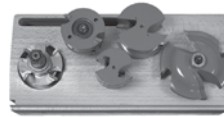
### 4-Piece Cabinet Bit Set

**freud** Bits are individually balanced & designed to be used with 3/4" stock. Works as a 5-piece set when a bearing converts the beading bit into a round over bit. 1/4" shank. Carbide-tipped bits.

**Includes** wood case 1/2" bearing flush trim (42-104), 5/32" roman ogee (38-100), 1/4" two flute straight (04-108), 3/8" beading (36-114), 3/8" round over (36-114)\*.

**\*Use included bearing #62-104 to convert 36-114 beading bit into round over bit.**

Stk.	Mfr.	Price
<b>412239</b>	88-104	<b>\$119.00</b>



### 5-Piece Cabinet Bit Set

**freud** Sharpened w/400 grit diamond wheel. 1/2" shank. Carbide-tipped bits.

**Includes** wood case, raised panel (99-510), reversible glue joint (99-031), door lip (99-001), rail & stile (99-760).

Stk.	Mfr.	Price
<b>412251</b>	94-150	<b>\$324.00</b>



### 6-Piece Starter Bit Set

**freud** Allows the new woodworker to be very creative with minimum investment. 1/2" shank. Carbide-tipped.

**Includes** wood case, 1/4" round nose (18-116), 3/8" rabbeting (32-102), 1/4" roman ogee (38-106), 1/2" cove (30-114), 1-3/4" chamfer (40-114).

Stk.	Mfr.	Price
<b>412259</b>	91-104	<b>\$175.00</b>



### 9-Piece Starter Bit Set

**freud** All bits are solid carbide or carbide-tipped. Has a variety of bits that allows you to experience several router functions. 1/4" shank.

**Includes** wood storage case, 1/4" solid carbide two flute straight (04-104), 1/2" mortising (16-100), 3/8" rabbeting (32-100), 5/32" roman ogee (38-100), 1/4" solid carbide panel pilot (70-100), 3/8" two flute straight (04-124), 1/2" dovetail (22-104), 1/4" round over (34-110), 3/8" bearing flush trim (42-102).

Stk.	Mfr.	Price
<b>412240</b>	88-100	<b>\$172.00</b>



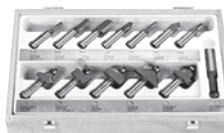
### 6-Piece Straight Bit Set

**freud** Make grooves, dados or rabbets.

The computer-designed shear angle slices the wood cleanly leaving a surface so smooth that sanding becomes unnecessary. 1/2" shank. Carbide-tipped.

**Includes** wood case, 1/4" two flute straight (12-100), 1/2" two flute straight (12-116), 3/4" two flute straight (12-152), 3/8" two flute straight (12-108), 5/8" two flute straight (12-136), 1" two flute straight (12-172).

Stk.	Mfr.	Price
<b>412258</b>	91-102	<b>\$109.00</b>



### 13-Piece Super Bit Set

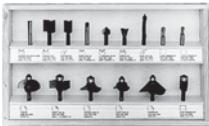
**freud** Each bit is sharpened to a razor sharp edge. 1/2" shank. Carbide-tipped.

**Includes** wood case, 1/4" two flute straight (12-100), 1/2" two flute straight (12-116), 1/2" bearing flush trim (42-110), 3/4" two flute straight (12-152), 1/2" mortising (16-110), 1/8" round nose (18-114), 3/4" V-groove (20-108), 1/2" dovetail (22-112), 1/2" cove (30-114), 3/8" rabbeting (32-102), 3/8" round over (34-124), 1/4" roman ogee (38-106), chamfer (40-114).

Stk.	Mfr.	Price
<b>412257</b>	91-100	<b>\$285.00</b>

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### 15-Piece Carbide / Carbide Tipped Set

**freud** Wide variety of bits from V-grooving to flush trimming and chamfering to dovetailing. Bits are solid carbide or carbide-tipped. 1/4" shank.

**Includes** wood storage case, 1/4" solid carbide two flute straight (04-106), 3/4" two flute straight (04-140), 1/2" mortise (16-100), 1/4" solid carbide round nose (18-104), 1/2" V-groove (20-104), 1/2" dovetail (22-104), 1/4" panel pilot (26-100), 1/2" cove (30-106), 3/8" rabbeting (32-100), 3/8" round over (34-114), 5/32" roman ogee (38-100), chamfer (40-106), 1/2" bearing flush trim (42-106), 1/4" solid carbide flush trim (64-100), solid carbide bevel trim (66-100).

Stk.	Mfr.	Price
<b>412245</b>	90-100	<b>\$269.00</b>

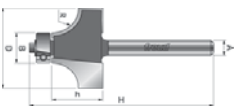


### 26-Piece Carbide / Carbide Tipped Set

**freud** A wide range of bits to cut all composition materials, plywoods, hardwoods & softwoods. Use on hand-held & table-mounted portable routers. 1/4" Shank.

**Includes** wood case, 1/8" solid carbide two flute straight (04-100), 1/4" solid carbide two flute straight (04-106), 1/4" solid carbide two flute straight (04-108), 3/4" two flute straight (04-140), 1/4" solid carbide round nose (18-104), 3/8" round nose (18-106), 1/4" solid carbide V-groove (20-100), 1/2" V-groove (20-104), 1/2" mortising (16-100), 1/2" dovetail (22-104), 1/4" cove (30-102), 1/2" cove (30-106), 1/4" beading (36-110), 3/8" beading (36-114), 1/4" round over (34-110), 3/8" round over (34-114), 5/32" roman ogee (38-100), 1/4" roman ogee (38-102), 1/4" solid carbide panel pilot (26-100), 3/8" rabbeting (32-100), 1/2" bearing flush trim (42-106), 1/2" bearing flush trim (42-104), 3/8" bearing flush trim (42-100), chamfer (40-106), solid carbide bevel trim (66-100).

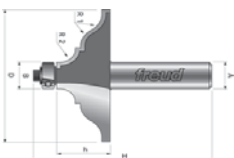
Stk.	Mfr.	Price
<b>412248</b>	92-100	<b>\$506.00</b>



### Rounding Over Bits

**freud** Softens furniture edges. Shear angle provides a very smooth cut. Use with Freud 62-102 bearing for beading work.

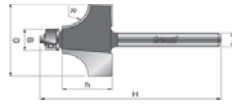
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411936</b>	34-104	3/4"	1/2"	1/2"	2-3/16"	1/8"	1/4"	<b>\$37.00</b>
<b>411937</b>	34-108	7/8"	1/2"	1/2"	2-3/16"	3/16"	1/4"	<b>\$37.70</b>
<b>411938</b>	34-110	1"	1/2"	1/2"	2-3/16"	1/4"	1/4"	<b>\$41.60</b>
<b>411939</b>	34-112	1-1/8"	1/2"	1/2"	2-3/16"	5/16"	1/4"	<b>\$41.70</b>
<b>411940</b>	34-114	1-1/4"	1/2"	5/8"	2-3/16"	3/8"	1/4"	<b>\$42.50</b>
<b>411941</b>	34-116	1-1/2"	1/2"	3/4"	2-1/2"	1/2"	1/4"	<b>\$50.30</b>
<b>411956</b>	34-120	1"	1/2"	1/2"	2-1/2"	1/4"	1/2"	<b>\$44.00</b>
<b>411942</b>	34-124	1-1/4"	1/2"	5/8"	2-5/8"	3/8"	1/2"	<b>\$47.90</b>
<b>411943</b>	34-126	1-1/2"	1/2"	3/4"	2-3/4"	1/2"	1/2"	<b>\$61.80</b>



### Table Edge & Handrail Bit

**freud** Produces sturdy, attractive handrails for staircases. Combine with another rail profile for custom railing designs.

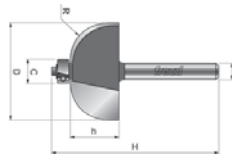
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Large Radius (R1)	Small Radius (R2)	Shank (A)	Price
<b>411994</b>	99-450	2-1/2"	1/2"	25/32"	2-3/4"	3/8"	15/64"	1/2"	<b>\$101.00</b>



### Beading Bits

**freud** Adds an attractive bead profile to furniture and millwork. Use Freud 62-104 bearing for rounding over work.

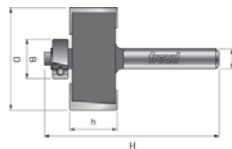
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411944</b>	36-108	7/8"	3/8"	1/2"	2-3/16"	3/16"	1/4"	<b>\$37.70</b>
<b>411945</b>	36-110	1"	3/8"	1/2"	2-3/16"	1/4"	1/4"	<b>\$38.60</b>
<b>411946</b>	36-112	1-1/8"	3/8"	1/2"	2-3/16"	5/16"	1/4"	<b>\$41.70</b>
<b>411947</b>	36-114	1-1/4"	3/8"	5/8"	2-3/16"	3/8"	1/4"	<b>\$42.50</b>
<b>411948</b>	36-116	1-1/2"	3/8"	3/4"	2-1/2"	1/2"	1/4"	<b>\$46.70</b>
<b>411949</b>	36-120	1"	3/8"	1/2"	2-1/2"	1/4"	1/2"	<b>\$44.00</b>
<b>411950</b>	36-122	1-1/8"	3/8"	1/2"	2-1/2"	5/16"	1/2"	<b>\$44.60</b>
<b>411951</b>	36-126	1-1/2"	3/8"	3/4"	2-3/4"	1/2"	1/2"	<b>\$61.80</b>



### Cove Bits

**freud** Creates a smooth classic cove profile. Upward shear angle offers a more efficient, smoother cut. Shear angle allows bit to slice wood similar to the way a craftsman uses a hand plane.

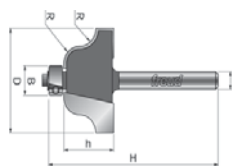
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (C)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411930</b>	30-102	7/8"	3/8"	1/2"	2-3/16"	1/4"	1/4"	<b>\$40.50</b>
<b>411931</b>	30-104	1-1/4"	1/2"	1/2"	2-3/16"	3/8"	1/4"	<b>\$45.10</b>
<b>411932</b>	30-106	1-3/8"	3/8"	5/8"	2-3/16"	1/2"	1/4"	<b>\$46.50</b>



### Rabbeting Bits

**freud** Produces smooth cuts on both surfaces of the rabbet. Use for joining boards and letting-in back panels. Remove steel pilots from bits and use with edge guides for wider rabbets.

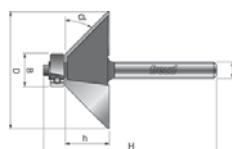
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Shank (A)	Price
<b>411933</b>	32-096	1-1/4"	1/2"	3/8"	2"	1/4"	<b>\$42.90</b>
<b>411934</b>	32-100	1-1/4"	1/2"	1/2"	2"	1/4"	<b>\$36.80</b>
<b>411935</b>	32-102	1-1/4"	1/2"	1/2"	2-1/4"	1/2"	<b>\$37.00</b>



### Roman Ogee Bits

**freud** Adds elegance to any project. Change the profile by changing the bit height.

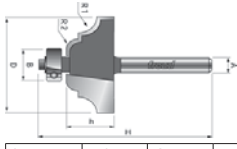
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411952</b>	38-100	1-1/16"	3/8"	1/2"	2-3/16"	5/32"	1/4"	<b>\$47.20</b>
<b>411953</b>	38-102	1-3/8"	3/8"	23/32"	2-3/8"	1/4"	1/4"	<b>\$48.60</b>
<b>411954</b>	38-106	1-3/8"	3/8"	23/32"	2-9/16"	1/4"	1/2"	<b>\$57.00</b>



### Chamfer Bits

**freud** Creates a uniform chamfer on the edge of any workpiece to add character, while retaining crisp geometric lines. Use for making multiple sided projects. Chamfer size is adjusted easily by changing the bit height.

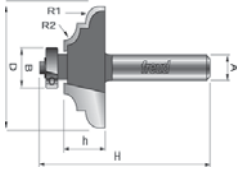
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Angle (d)	Shank (A)	Price
<b>411959</b>	40-104	1-1/2"	1/2"	1/2"	2-3/16"	45°	1/4"	<b>\$38.60</b>
<b>411960</b>	40-114	1-3/4"	1/2"	5/8"	2-9/16"	45°	1/2"	<b>\$43.80</b>



**Classical Cove & Bead Bits**

**freud** Accents furniture or millwork with classical cove design. Computer balancing of bits ensure smooth, vibration-free cuts.

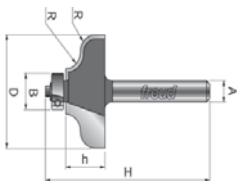
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Large Radius (R1)	Small Radius (R2)	Shank (A)	Price
411957	38-352	1-1/2"	1/2"	5/8"	2"	1/4"	5/32"	1/4"	\$52.80
411958	38-362	1-1/2"	1/2"	5/8"	2-1/2"	1/4"	5/32"	1/2"	\$55.70



**Classical Cove & Round Bit**

**freud** Adds elegance to any woodworking project. Micro-Grain carbide tip remains sharper than standard carbides.

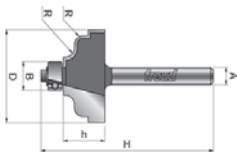
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Large Radius (R1)	Small Radius (R2)	Shank (A)	Price
411964	38-614	1-3/8"	1/2"	11/16"	5/64"	1/4"	3/16"	1/2"	\$65.70



**Ogee Fillet Bit**

**freud** Profile includes a small fillet at the bottom of the ogee pattern. Convert to an ogee bit by replacing bearing with a 62-104 bearing.

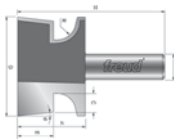
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
411955	38-202	1-1/4"	3/8"	1/2"	2-1/8"	3/16"	1/4"	\$49.00



**Double Fillet Ogee Bit**

**freud** Produces an attractive edge profile to accent furniture, cabinets and millwork.

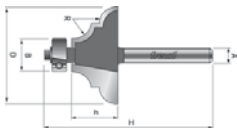
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
411989	99-003	1-3/8"	3/8"	9/16"	2-5/16"	13/64"	1/2"	\$47.60



**Classical Door Lip Bit**

**freud** Produces classical door lips on stock from 1/2" to 1-1/4" in thickness.

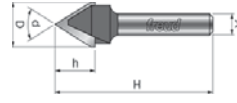
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (C)	Carbide Height (h)	Length (H)	Angle (d)	Minor Height (m)	Radius (R)	Shank (A)	Price
411988	99-001	2"	29/64"	1-1/4"	2-3/4"	7°	11/16"	3/8"	1/2"	\$82.90



**Classical Bold Cove & Round Bit**

**freud** For forming a decorative edge on tabletops, plaques and cabinetry. Use Freud's 62-102 to convert round over profile into a bead.

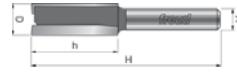
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
411963	38-502	1-1/4"	1/2"	7/16"	2-1/16"	3/16"	1/4"	\$51.30



**V-Groove Bits**

**freud** Cuts deep or shallow V grooves. Use for making signs and adding decorative accents to furniture and plaques.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Angle (d)	Shank (A)	Price
411923	20-100	1/4"	1/4"	1-1/2"	90°	1/4"	\$25.10
411924	20-102	3/8"	5/16"	1-3/4"	90°	1/4"	\$26.60
411995	20-104	1/2"	7/16"	1-3/4"	90°	1/4"	\$32.10



**Double Flute Straight Bits**

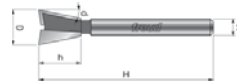
**freud** Precise hook angle. End of bit relief for fast plunging.

**Solid Carbide**

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
411900	04-100	1/8"	3/8"	1-3/4"	1/4"	\$17.90
411901	04-102	3/16"	1/2"	2"	1/4"	\$18.70
411902	04-105	1/4"	5/8"	2"	1/4"	\$18.70
411903	04-107	1/4"	7/8"	2-1/4"	1/4"	\$19.70
411904	04-108	1/4"	1"	2-1/2"	1/4"	\$19.70
411905	04-109	1/4"	7/8"	2-7/8"	1/4"	\$20.20

**Carbide-tipped**

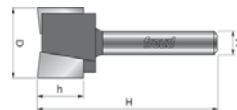
411906	04-120	3/8"	7/8"	1-7/8"	1/4"	\$18.70
411907	04-131	1/2"	7/8"	1-7/8"	1/4"	\$22.30
411908	04-136	5/8"	3/4"	2-1/8"	1/4"	\$22.10
411909	04-140	3/4"	3/4"	2-1/8"	1/4"	\$24.70
411910	12-102	1/4"	7/8"	2-7/8"	1/2"	\$23.50
411911	12-108	3/8"	1"	2-5/8"	1/2"	\$22.30
411912	12-110	3/8"	1-1/4"	2-7/8"	1/2"	\$23.50
411913	12-118	1/2"	1-1/4"	2-7/8"	1/2"	\$22.10
411914	12-122	1/2"	1-1/2"	3-1/8"	1/2"	\$25.10
411918	12-128	1/2"	2"	4-1/8"	1/2"	\$27.50
411915	12-138	5/8"	1-1/2"	2-1/2"	1/2"	\$23.80
411916	12-154	3/4"	1-1/4"	3"	1/2"	\$27.50
411917	12-168	7/8"	1-1/4"	3"	1/2"	\$29.60



**Dovetail Bits**

**freud** For smooth, intricate dovetail joints. Compatible with many dovetailing jigs.

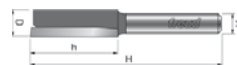
Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Angle (d)	Shank (A)	Price
411927	22-102	3/8"	3/8"	1-7/8"	9°	1/4"	\$22.00
411928	22-104	1/2"	1/2"	1-7/8"	14°	1/4"	\$21.20
411929	22-112	1/2"	1/2"	2-1/4"	14°	1/2"	\$27.50



**Mortising Bit**

**freud** Deep center gullet provides maximum material removal without chip load. Use with templates for setting butt hinges.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
411919	16-100	1/2"	1/2"	2"	1/4"	\$22.50

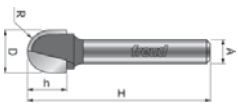


**Single Flute Straight Bits**

**freud** For high production work with a maximum amount of chip clearance. End of bit relief allows for fast plunging.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
411890	03-124	3/16"	3/8"	1-1/2"	1/4"	\$15.60
411892	03-140	1/4"	1-1/2"	2-1/2"	1/4"	\$16.80





**Round Nose Bits**

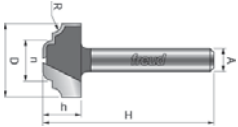
**freud** Provides a perfect radius groove every time. Produces several different styles of fluted millwork. Use for making signs or cutting decorative designs in cabinet doors.

**Solid Carbide**

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411920</b>	18-104	1/4"	3/8"	2"	1/8"	1/4"	<b>\$23.70</b>

**Carbide-tipped**

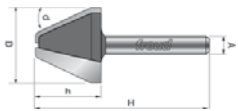
<b>411921</b>	18-106	3/8"	3/8"	1-13/16"	3/16"	1/4"	<b>\$26.70</b>
<b>411922</b>	18-108	1/2"	3/8"	1-13/16"	1/4"	1/4"	<b>\$31.40</b>
<b>411925</b>	18-112	3/4"	7/16"	2"	3/8"	1/4"	<b>\$35.10</b>



**Cove & Bead Groove Bits**

**freud** Creates decorative grooves in molding and furniture.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Small Dia. (n)	Radius (R)	Shank (A)	Price
<b>411961</b>	39-100	3/4"	3/8"	1-5/8"	3/8"	3/32"	1/4"	<b>\$30.90</b>
<b>411962</b>	39-102	1"	1/2"	1-3/4"	1/2"	1/8"	1/4"	<b>\$38.30</b>



**Lettering Bit**

**freud** 60° angle for highly readable relief lettering. Flattened end quickly removes excess material between letters.

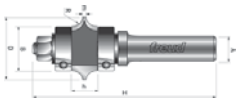
Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Angle (d)	Radius (R)	Shank (A)	Price
<b>411926</b>	20-172	1"	3/4"	2"	60°	1/8"	1/4"	<b>\$35.50</b>



**Key Hole Bit**

**freud** Creates key holes for hanging plaques and shelves. Large dia. bores holes to allow nail or screw heads to enter the slot. Smaller dia. allows room for the shank of the nail or screw.

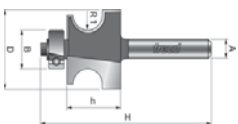
Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Minor Height (m)	Small Dia. (n)	Shank (A)	Price
<b>411981</b>	70-104	25/64"	7/16"	1-5/8"	1/4"	3/16"	1/4"	<b>\$26.60</b>



**Corner Beading Bit**

**freud** Adds an attractive bead to beams, posts, railings and millwork. Use for accenting square table legs.

Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Minor Height (m)	Radius (R)	Shank (A)	Price
<b>411990</b>	99-024	1-3/8"	7/8"	37/64"	3-3/16"	5/64"	1/4"	1/4"	<b>\$63.00</b>



**Traditional Beading Bit**

**freud** Forms a single bead with a square shoulder. Commonly used by remodelers to match moldings in historic homes.

Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Radius (R)	Shank (A)	Price
<b>411987</b>	80-104	1"	1/2"	11/16"	2-5/16"	3/16"	1/4"	<b>\$45.70</b>



**Adjustable Rail & Stile Bit Set**

**freud** Create extended tenons for extra door joint strength. Adjust groove width for different panel thicknesses (5/8" to 1-1/4").

- Adjustable shims change panel groove down to 7/32"T & up to 3/8"T (ideal for plywood panels)

- Extended tenon capability, remove cutter's top portion (w/ bearing & spindle) to produce the front of the long tenon profile
- Unique cutter geometry eliminates tearout
- Hi-Density Carbide w/Titanium (TiCo™) maximizes bit life & material finish
- Perma-Shield® coating reduces heat & pitch build-up from rust

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Minor Height (m)	Radius (R)	Shank (A)	Price
<b>412000</b>	99-760	1-11/16"	1-1/4"	3-3/4"	15/64"	7/32"	1/2"	<b>\$160.00</b>



**Wedge Tongue & Groove Router Bits**

**freud** For gluing wide projects such as table tops and bookcases. Thick carbide tips and 1/2" shanks let you maintain a rapid feed speed with these bits. Designed for 3/4" to 1" stock.

**Groove**

Stk.	Mfr.	Price
<b>412254</b>	99-033	<b>\$78.70</b>

**Wedge Tongue**

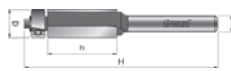
Stk.	Mfr.	Price
<b>412253</b>	99-032	<b>\$89.90</b>



**Lock Miter Bit**

**freud** Mating pieces can be run without changing original setup. Run 1 piece of stock vertically, the other piece horizontally for a perfect fit. Designed for 3/4" to 1" stock.

Stk.	Mfr.	Shank (A)	Price
<b>412255</b>	99-034	1/2"	<b>\$123.00</b>



**Bearing Flush Trim Bits**

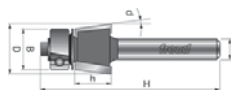
**freud**

**2 Flutes** 2 flutes for faster cutting, trimming cabinet laminate and for pattern work.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
<b>411965</b>	42-090	3/4"	1"	2-15/16"	1/4"	<b>\$33.20</b>
<b>411966</b>	42-100	3/8"	1"	2-13/16"	1/4"	<b>\$20.70</b>
<b>411967</b>	42-104	1/2"	1"	2-13/16"	1/4"	<b>\$20.70</b>
<b>411968</b>	42-110	1/2"	1"	3-1/4"	1/2"	<b>\$23.40</b>
<b>411969</b>	42-116	1/2"	2"	4-3/8"	1/2"	<b>\$36.40</b>

**3 Flutes** 3 flute for a superior surface finish.

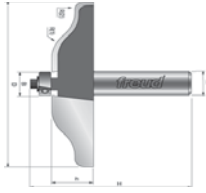
<b>411970</b>	44-100	1/2"	1"	2-13/16"	1/4"	<b>\$32.40</b>
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**Bevel Trim Bit**

**freud** 41 Series bits provides a range of bevels from 8° to 45° on plastic laminate and feature a ball bearing guide.

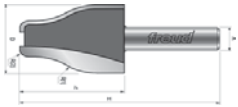
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Angle (d)	Shank (A)	Price
<b>411971</b>	41-108	25/32"	3/8"	29/64"	1-15/16"	25°	1/4"	<b>\$38.10</b>



**2+2 Raised Panel Router Bit**

**freud** For creating decorative tops, plaques and molding. 2 small wings cut downward to shear the top edge for a splinter-free surface, and 2 large wings shear upward for a smooth finish. Produces raised panels for doors and paneling. Use 1/2"H for 5/8" stock and 5/8"H for 3/4" stock.

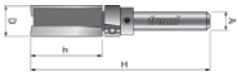
Stk.	Mfr.	Overall Dia. (D)	Bearing Dia. (B)	Carbide Height (h)	Length (H)	Minor Height (m)	Large Radius (R1)	Small Radius (R2)	Shank (A)	Price
<b>411993</b>	99-520	3-1/2"	1/2"	5/8"	2-1/2"	7/32"	25/32"	5/32"	1/2"	<b>\$121.00</b>



**Vertical Raised Panel Bit**

**freud** Creates full-sized raised panels by vertically feeding 3/4" stock. Small overall dia. makes bits ideal for lower HP routers and single speed routers.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Large Radius (R1)	Small Radius (R2)	Shank (A)	Price
<b>411992</b>	99-320	1-1/2"	1-5/8"	3-3/16"	25/32"	5/32"	1/2"	<b>\$69.40</b>



**Top Bearing Flush Trim Bits**

**freud** Top-mounted bearings for lettering or other template work where the piece is being

grooved or routed out.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
<b>411972</b>	50-102	1/2"	1"	2-5/8"	1/4"	<b>\$30.20</b>
<b>411973</b>	50-104	5/8"	1"	2-5/8"	1/4"	<b>\$31.30</b>
<b>411974</b>	50-106	3/4"	1"	2-5/8"	1/4"	<b>\$32.70</b>

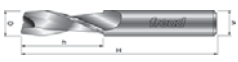


**Solid Carbide Down Spiral Bits**

**freud** For top surface chip-free routing where chip removal is not a problem. Use for

through cutting of material with a table-mounted router or a pin router. Reduces chipping when working with single-sided veneers or laminated materials. Double flute.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
<b>411984</b>	76-100	1/8"	1/2"	2"	1/4"	<b>\$27.40</b>
<b>411986</b>	76-103	1/4"	3/4"	2"	1/4"	<b>\$24.80</b>
<b>411985</b>	76-102	1/4"	1"	2-1/2"	1/4"	<b>\$29.60</b>

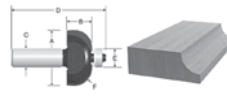


**Solid Carbide Up Spiral Bits**

**freud** Combines effective chip removal with a cut unmatched by standard straight bits.

Computer-designed flutes provide chip removal required in production settings. Suited for cutting mortises and routing deep blind holes. Double flute.

Stk.	Mfr.	Overall Dia. (D)	Carbide Height (h)	Length (H)	Shank (A)	Price
<b>411982</b>	75-100	1/8"	1/2"	2"	1/4"	<b>\$27.40</b>
<b>411983</b>	75-103	1/4"	3/4"	2"	1/4"	<b>\$24.80</b>

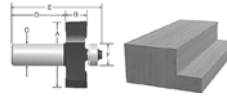


**Carbide-Tipped Cove Bit**

**BOSCH** Micrograin control cut bit for decorative edging and period furniture.

**C. Shank Dia. 1/4". E Bearing Dia. 3/8".**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	F. Radius	Price
<b>266236</b>	85-206M	1-1/8"	9/16"	2-3/32"	3/8"	<b>\$33.30</b>



**Carbide-Tipped Rabbeting Bits**

**BOSCH** Control cut micrograin bits make fast, smooth rabbeting cuts without the use of a router guide (*bits are not guaranteed against breakage due to extreme length*).

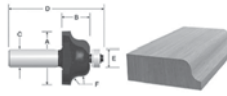
**Rabbet Width 3/8". C. Shank Dia. 1/4". E Bearing Dia. 1/2".**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
<b>266370</b>	85-218M	1-1/4"	1/2"	2"	<b>\$27.80</b>

**Rabbet Width 1/2". C. Shank Dia. 1/4". E Bearing Dia. 3/8".**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
<b>269340</b>	85-614M	1-3/8"	1/2"	2"	<b>\$30.70</b>

266370|To increase the width of rabbet by 1/16" for 85218M, order 3/8" dia. bearing 3 600 900 501 & dust shield 3 600 120 507.

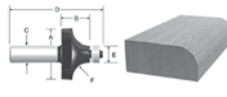


**Carbide-Tipped Roman Ogee Bit**

**BOSCH** Micrograin control cut bits for decorative edging and period furniture.

**C. Shank Dia. 1/4". E Bearing Dia. 3/8".**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	F. Radius	Price
<b>267174</b>	85-270M	1"	5/8"	2-1/8"	5/32"	<b>\$36.60</b>
<b>267241</b>	85-271M	1-3/8"	3/4"	2-1/4"	1/4"	<b>\$38.80</b>

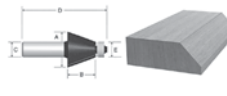


**Carbide-Tipped Roundover Bit**

**BOSCH** Control-cut micrograin bit makes smooth, uniformly rounded edges. Lower depth setting creates rounded corner with a decorative bead.

**C. Shank Dia. 1/4". E Bearing Dia. 1/2".**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	F. Radius	Price
<b>267509</b>	85-294M	1"	1/2"	2"	1/4"	<b>\$33.30</b>
<b>267576</b>	85-295M	1-1/8"	1/2"	2-1/16"	5/16"	<b>\$33.80</b>
<b>267643</b>	85-296M	1-1/4"	5/8"	2-3/16"	3/8"	<b>\$34.40</b>
<b>267710</b>	85-297M	1-1/2"	11/16"	2-1/4"	1/2"	<b>\$35.00</b>



**Carbide-Tipped Chamfer Bit**

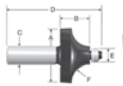
**BOSCH** Micrograin control cut bits for bevelling and decorative edging.

**C. Shank Dia. 1/4". E Bearing Dia. 3/8". Angle 45°.**

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
<b>267777</b>	85-298M	1-5/16"	1/2"	2"	<b>\$31.70</b>

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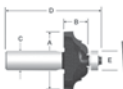


### Carbide-Tipped Beading Bit

**BOSCH** Micrograin control-cut bit creates attractive, decorative edging.

#### C. Shank Dia. 1/4". E Bearing Dia. 3/8".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	F. Radius	Price
268983	85-494M	1"	1/2"	2"	1/4"	\$30.00
269117	85-496M	1-1/4"	5/8"	2-1/8"	3/8"	\$32.80

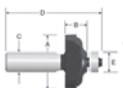


### Carbide-Tipped Classical Bit

**BOSCH** Micrograin control-cut bit adds classic beauty with decorative edging.

#### C. Shank Dia. 1/4". E Bearing Dia. 1/2".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
269251	85-579M	1-1/4"	1/2"	2-3/32"	\$44.10

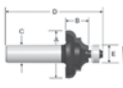


### Carbide-Tipped Ogee Bit with Fillet

**BOSCH** Micrograin control-cut bit allows 3 different cuts. Accent the graceful ogee cut lines with 1 or 2 fillets by lowering the depth setting or using 3/8" dia. bearing 3 600 900 501.

#### C. Shank Dia. 1/4". E Bearing Dia. 1/2". Radius 5/32".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
269321	85-584M	1-3/8"	9/16"	2-1/8"	\$47.70

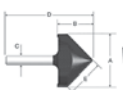


### Carbide-Tipped Cove & Bead Bit

**BOSCH** Micrograin bit creates an attractive accent with a classic woodworking design.

#### C. Shank Dia. 1/4". E Bearing Dia. 1/2".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
269336	85-604M	1-3/8"	1 1/16"	2-1/4"	\$44.40

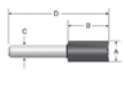


### Carbide-Tipped V-Groove Bit

**BOSCH** Micrograin bit for door-front grooving, lettering and sign work. Shear angle provides improved cut quality, speed and extended life.

#### C. Shank Dia. 1/4".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	E. Bevel	Price
266374	85-219M	9/16"	5/8"	1-3/4"	3/8" 90°	\$20.60



### Carbide-Tipped Double Flute Straight Bit

**BOSCH** Micrograin bit designed for

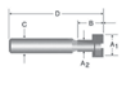
smoothness of cut and balanced cutting with minimal vibration. Positive hook angles for efficient cutting and specially designed tips for fast plunge cutting. Strong webbing and heavy cutter backing extend bit life.

#### C. Shank Dia. 1/4".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
266379	85-221M	1/4"	5/8"	2"	\$14.60
266973	85-250M	1/4"	7/8"	2-1/8"	\$17.10
266437	85-225M	3/8"	1"	2-1/4"	\$16.50
266504	85-227M	1/2"	1/4"	2-1/4"	\$17.90
266772	85-232M	3/4"	3/4"	2"	\$19.40

#### C. Shank Dia. 1/2".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
266837	85-242M	1/2"	1-1/2"	3-1/2"	\$19.30
267110	85-265M	3/4"	1-1/4"	2-7/8"	\$20.10

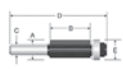


### Carbide-Tipped Keyhole Bit

**BOSCH** For plunge and slot cuts. Route mounting slots in picture frames and plaques.

#### C. Shank Dia. 1/4".

Stk.	Mfr.	A1. Large Dia.	A2. Small Dia.	B. Cutting Edge L.	D. Overall Length	Price
269338	85-608M	3/8"	3/16"	7/16"	1-9/16"	\$20.70



### Carbide-Tipped Triple-Flute Flush Laminate Trim Bit

**BOSCH** Micrograin bit provides chatter-free

production trimming with an extra smooth, flush trim cut. Compact ball-bearing assembly is equipped with a glue shield.

#### C. Shank Dia. 1/4". E Bearing Dia. 1/2".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
266364	85-216M	1/2"	1"	2-1/2"	\$22.90



### Solid Carbide Double-Flute Straight Bit

**BOSCH** Micrograin bit for smoothness of cut and balanced cutting with minimal vibration.

Positive hook angles for efficient cutting and specially designed tips for fast plunge cutting. Strong webbing and heavy cutter backing give superior bit life.

#### C. Shank Dia. 1/4".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
266311	85-213M	1/8"	1/2"	2"	\$15.70



### Solid Carbide Double-Flute Upcut Spiral Bit

**BOSCH** For use when material needs to

be pulled in an upward motion toward the router motor, improving chip removal. Excellent when dust collection is required. Industrial / CNC bit for high-duty cycle applications.

#### C. Shank Dia. 1/4".

Stk.	Mfr.	A. Overall Dia.	B. Cutting Edge L.	D. Overall Length	Price
269072	85-911M	1/4"	1"	2-1/2"	\$23.90

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## CORDLESS BATTERIES & CHARGERS

### Black & Decker Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>243302</b>	PS120	9.6	CD96025B 9.6V	<b>\$40.40</b>
<b>243305</b>	90534824	9.6	CD96025B 9.6V	<b>\$41.10</b>

### Bosch Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>258910</b>	BAT414	12 (Li-ion)	12V	<b>\$61.80</b>
<b>258919</b>	BAT612	18 (Li-ion)	18V	<b>\$99.40</b>

### DeWalt Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>243210</b>	DC9071	12	12V	<b>\$89.90</b>
<b>243220</b>	DC9091	14.4	14.4V	<b>\$99.00</b>
<b>243231</b>	DC9096	18	18V	<b>\$129.00</b>
<b>243232</b>	DC9096-2	18	18V 2/pkg.	<b>\$163.00</b>
<b>242912</b>	DCB127	12 (Li-ion)	12V MAX	<b>\$73.10</b>
<b>242961</b>	DC9182	18 (Li-ion)	18V	<b>\$170.00</b>
<b>242915</b>	DCB203	20 (Li-ion)	20V Compact	<b>\$122.00</b>
<b>242916</b>	DCB203-2	20 (Li-ion)	20V Compact 2/pkg.	<b>\$155.00</b>
<b>242917</b>	DCB204	20 (Li-ion)	20V	<b>\$143.00</b>
<b>242913</b>	DCB200	20 (Li-ion)	20V MAX	<b>\$144.00</b>

### DeWalt Battery Chargers

Stk.	Mfr.	Volts	Fits	Price
<b>242946</b>	DC9310		7.2V -18V	<b>\$104.00</b>
<b>242949</b>	DC9320		18V	<b>\$133.00</b>

### Hitachi Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>616503</b>	BCL1015	12	DS10DFL	<b>\$84.20</b>
<b>616597</b>	EBM1830	18 (Li-ion)	18V	<b>\$139.00</b>
<b>616598</b>	BSL1830	18XC (Li-ion)	DS18DSDL	<b>\$175.00</b>

### Makita Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>511367</b>	BL1014	12 (Li-ion)	12V	<b>\$90.90</b>
<b>511345</b>	BL1820	18 (Li-ion)	18V	<b>\$154.00</b>
<b>511352</b>	BL1830	18 (Li-ion)	18V	<b>\$158.00</b>

### Milwaukee Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>577480</b>	48-11-1815	18 (Li-ion)	M18	<b>\$112.00</b>
<b>577478</b>	48-11-1828	18 XC (Li-ion)	M18	<b>\$166.00</b>

### Porter Cable Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>626671</b>	PCL12BLX	12 (Li-ion)	PCL120DDC-2	<b>\$62.90</b>
<b>626651</b>	PC18B	18 (Li-ion)	PC180DK-2	<b>\$49.40</b>
<b>626652</b>	PC18BLX	18 (Li-ion)	PCL180DRK-2	<b>\$101.00</b>
<b>626658</b>	PCC680L	20 (Li-ion)	PCCK600LB	<b>\$104.00</b>

### Skil Batteries

Stk.	Mfr.	Volts	Fits	Price
<b>260441</b>	SBI8B-LI	18 (Li-ion)	2895LI-02	<b>\$101.00</b>

## COMBINATION TOOL KITS

### Cordless Combo Kits



### 12V Kits

Stk.	Mfr.	Brand	Kit	Battery	Description	Price
<b>242955</b>	DCK21IS2	DeWalt	2-Tool	12V Li-ion	Drill/Driver, Impact Driver	<b>\$245.00</b>
<b>511377</b>	LCT208WV	Makita	2-Tool	12V Li-ion	Saw, Drill	<b>\$266.00</b>
<b>575427</b>	2493-23	Milwaukee	3-Tool	12V Li-ion	Drill/Driver, Impact Driver, Flashlight	<b>\$364.00</b>

### 18V Kits

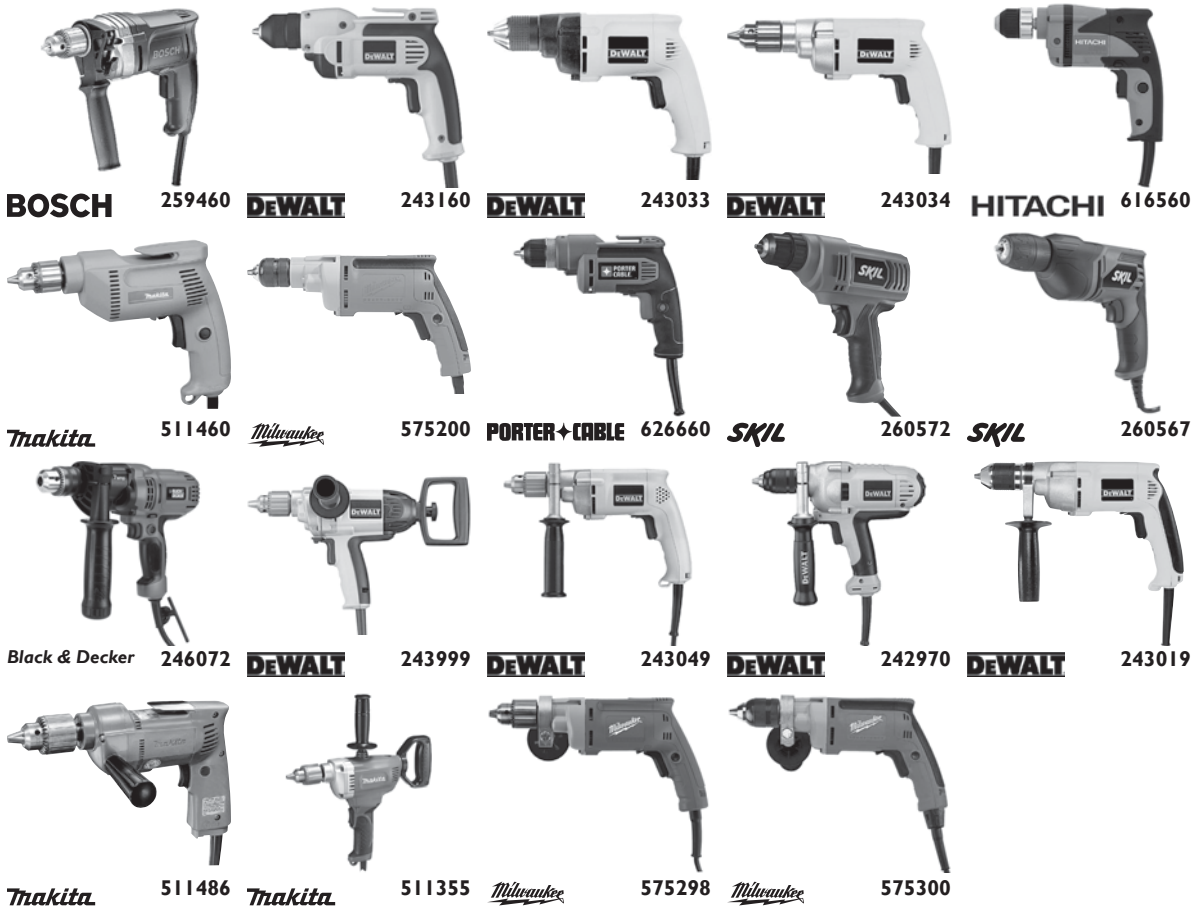
Stk.	Mfr.	Brand	Kit	Battery	Description	Price
<b>242958</b>	DCK265L	DeWalt	2-Tool	18V Li-ion	Drill/Driver, Impact Driver	<b>\$352.00</b>
<b>242911</b>	DC4CKITA	DeWalt	4-Tool	18V Li-ion	Recip. Saw, Circ. Saw, Drill, Flashlight	<b>\$570.00</b>
<b>616617</b>	KC18DGL	Hitachi	2-Tool	18V Li-ion	Drill/Driver, Impact Driver	<b>\$248.00</b>
<b>511379</b>	XT405	Makita	4-Tool	18V Li-ion	Drill/Driver, Impact Driver, Circ. Saw, Flashlight	<b>\$686.00</b>
<b>575442</b>	2696-24	Milwaukee	4-Tool	18V Li-ion	Hammer Drill/Driver, Recip. Saw, Impact Driver, Worklight	<b>\$517.00</b>
<b>626675</b>	PCL418IDC-2	Porter Cable	4-Tool	18V Li-ion	Drill/Driver, Impact Driver, Recip. Saw, Flashlight	<b>\$333.00</b>

### 20V Kits

Stk.	Mfr.	Brand	Kit	Battery	Description	Price
<b>242953</b>	DCK28ID2	DeWalt	2-Tool	20V Li-ion	Drill/Driver, Impact Driver	<b>\$352.00</b>
<b>242959</b>	DCK590L2	DeWalt	5-Tool	20V Li-ion	Hammer Drill, Recip. Saw, Impact Driver, Circular Saw, Worklight	<b>\$782.00</b>

# DRILLS

## Electric Drills



### 3/8" VSR Drills

Stk.	Mfr.	Brand	Speed (rpm)	Chuck	Gear Train	Volts	Amps	Weight	Price
<b>259460</b>	I030VSR	Bosch	0-2,100	Keyed	Single	120	7.5	4.8 lbs.	<b>\$205.00</b>
<b>243160</b>	DWD112	DeWalt	0-2,500	Keyless	Single	120	7	4.1 lbs.	<b>\$86.40</b>
<b>243033</b>	DW222	DeWalt	0-1,200	Keyless	Double	120	6.7	3.3 lbs.	<b>\$151.00</b>
<b>243034</b>	DW223G	DeWalt	0-1,200	Keyed	Double	120	7	3.6 lbs.	<b>\$168.00</b>
<b>616560</b>	D10VH	Hitachi	0-2,500	Keyless	Single	120	6	3.1 lbs.	<b>\$73.90</b>
<b>511460</b>	6407	Makita	0-2,500	Keyed	Double	115	4.9	3.1 lbs.	<b>\$116.00</b>
<b>575200</b>	0201-20	Milwaukee	0-2,500	Keyless	Triple	120	7	4.1 lbs.	<b>\$168.00</b>
<b>626660</b>	PC600D	Porter Cable	0-2,500	Keyless	Single	120	6	3.2 lbs.	<b>\$57.80</b>
<b>260572</b>	6239-01	Skil	0-2,700	Keyless	Single	120	5.5	3.2 lbs.	<b>\$42.80</b>
<b>260567</b>	6277-02	Skil	0-2,000	Keyless	Single	120	6.5	6.0 lbs.	<b>\$61.50</b>

### 1/2" VSR Drills

Stk.	Mfr.	Brand	Speed (rpm)	Chuck	Gear Train	Volts	Amps	Weight	Price
<b>246072</b>	DR560	Black & Decker	0-800	Keyed	Triple	120	7	5.8 lbs.	<b>\$80.70</b>
<b>243999</b>	DW130V	DeWalt	0-550	Keyed	Triple	120	9	7.5 lbs.	<b>\$242.00</b>
<b>243049</b>	DW235G	DeWalt	0-1,000	Keyed	Double	120	8.5	4.2 lbs.	<b>\$145.00</b>
<b>242970</b>	DWD215G	DeWalt	0-1,200	Keyless	Double	120	10	5.2 lbs.	<b>\$210.00</b>
<b>243019</b>	DW246	DeWalt	0-600	Keyless	Triple	120	7.8	4.4 lbs.	<b>\$241.00</b>
<b>511486</b>	6302H	Makita	0-550	Keyed	Double	115	6.5	4.8 lbs.	<b>\$188.00</b>
<b>511355</b>	DS4011	Makita	0-600	Keyed	Double	120	8.5	6.3 lbs.	<b>\$240.00</b>
<b>575298</b>	0299-20	Milwaukee	0-850	Keyed	Double	120	8	5.4 lbs.	<b>\$159.00</b>
<b>575300</b>	0302-20	Milwaukee	0-850	Keyless	Double	120	8	5.6 lbs.	<b>\$200.00</b>

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### 3/8" Cordless Drills



#### 12V

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Mfr. Battery	Price
258970	PS31-2A	Bosch	0-350 / 0-1,300	265 in./lbs.	12	2.1 lbs.	2, Li-ion	BAT413A	<b>\$189.00</b>
243306	LDX112C	Black & Decker	0-600	100 in. lbs.	12	N/A	2, Li-ion	LB12	<b>\$74.40</b>
242918	DCD710S2	DeWalt	0-400 / 0-1,500	189 UWO	12	2.4 lbs.	2, Li-ion	DCB127	<b>\$225.00</b>
242922	DC742KA	DeWalt	0-400, 0-1,450	200 in./lbs.	12	3.8 lbs.	2, Li-ion	DC9071	<b>\$239.00</b>
616569	DS10DFL	Hitachi	0-300 / 0-1,300	195 in./lbs.	12	2.2 lbs.	2, Li-ion	BCL1015	<b>\$144.00</b>
511376	FD02W	Makita	0-350 / 0-1,300	200 in./lbs.	12	2.2 lbs.	2, Li-ion	BL1014	<b>\$197.00</b>
575424	2407-22	Milwaukee	0-400 / 0-1,500	275 in./lbs.	12	2.5 lbs.	2, Li-ion	48-11-2401	<b>\$182.00</b>
626670	PCL120DDC-2	Porter Cable	0-315 / 0-1,200	220 in./lbs.	12	2.4 lbs.	2, Li-ion	PCL12BLX	<b>\$127.00</b>

## CORDLESS BATTERIES & CHARGERS

#### Black & Decker Batteries

Stk.	Mfr.	Volts	Fits	Price
243302	PS120	9.6	CD96025B 9.6V	<b>\$40.40</b>
243305	90534824	9.6	CD96025B 9.6V	<b>\$41.10</b>

#### Bosch Batteries

Stk.	Mfr.	Volts	Fits	Price
258910	BAT414	12 (Li-ion)	12V	<b>\$61.80</b>
258919	BAT612	18 (Li-ion)	18V	<b>\$99.40</b>

#### DeWalt Batteries

Stk.	Mfr.	Volts	Fits	Price
243210	DC9071	12	12V	<b>\$89.90</b>
243220	DC9091	14.4	14.4V	<b>\$99.00</b>
243231	DC9096	18	18V	<b>\$129.00</b>
243232	DC9096-2	18	18V 2/pkg.	<b>\$163.00</b>
242912	DCB127	12 (Li-ion)	12V MAX	<b>\$73.10</b>
242961	DC9182	18 (Li-ion)	18V	<b>\$170.00</b>
242915	DCB203	20 (Li-ion)	20V Compact	<b>\$122.00</b>
242916	DCB203-2	20 (Li-ion)	20V Compact 2/pkg.	<b>\$155.00</b>
242917	DCB204	20 (Li-ion)	20V	<b>\$143.00</b>
242913	DCB200	20 (Li-ion)	20V MAX	<b>\$144.00</b>

#### DeWalt Battery Chargers

Stk.	Mfr.	Volts	Fits	Price
242946	DC9310		7.2V -18V	<b>\$104.00</b>
242949	DC9320		18V	<b>\$133.00</b>

#### Hitachi Batteries

Stk.	Mfr.	Volts	Fits	Price
616503	BCL1015	12	DS10DFL	<b>\$84.20</b>
616597	EBM1830	18 (Li-ion)	18V	<b>\$139.00</b>
616598	BSL1830	18XC (Li-ion)	DS18DSDL	<b>\$175.00</b>

#### Makita Batteries

Stk.	Mfr.	Volts	Fits	Price
511367	BL1014	12 (Li-ion)	12V	<b>\$90.90</b>
511345	BL1820	18 (Li-ion)	18V	<b>\$154.00</b>
511352	BL1830	18 (Li-ion)	18V	<b>\$158.00</b>

#### Milwaukee Batteries

Stk.	Mfr.	Volts	Fits	Price
577480	48-11-1815	18 (Li-ion)	M18	<b>\$112.00</b>
577478	48-11-1828	18 XC (Li-ion)	M18	<b>\$166.00</b>

#### Porter Cable Batteries

Stk.	Mfr.	Volts	Fits	Price
626671	PCL12BLX	12 (Li-ion)	PCL120DDC-2	<b>\$62.90</b>
626651	PC18B	18 (Li-ion)	PC180DK-2	<b>\$49.40</b>
626652	PC18BLX	18 (Li-ion)	PCL180DRK-2	<b>\$101.00</b>
626658	PCC680L	20 (Li-ion)	PCCK600LB	<b>\$104.00</b>

#### Skil Batteries

Stk.	Mfr.	Volts	Fits	Price
260441	SBI8B-LI	18 (Li-ion)	2895LI-02	<b>\$101.00</b>

Please visit  
**midwesttechnology.com**  
 for the complete specifications  
 of the products listed on this page.

## 1/2" Cordless Drills



### 12V

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Mfr. Battery	Price
242943	DCD910KX	DeWalt	0-425 / 0-1,200 / 0-1,800	n/a	12	5.3 lbs.	2, Ni-Cd	DC9071	<b>\$254.00</b>

### 14.4V

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Mfr. Battery	Price
242921	DC730KA	DeWalt	0-400 / 0-1,450	n/a	14.4	4.3 lbs.	2, Ni-Cd	DC9091	<b>\$311.00</b>
242944	DCD920KX	DeWalt	0-425 / 0-1,200 / 0-1,800	n/a	14.4	5.8 lbs.	2, Ni-Cd	DC9091	<b>\$285.00</b>

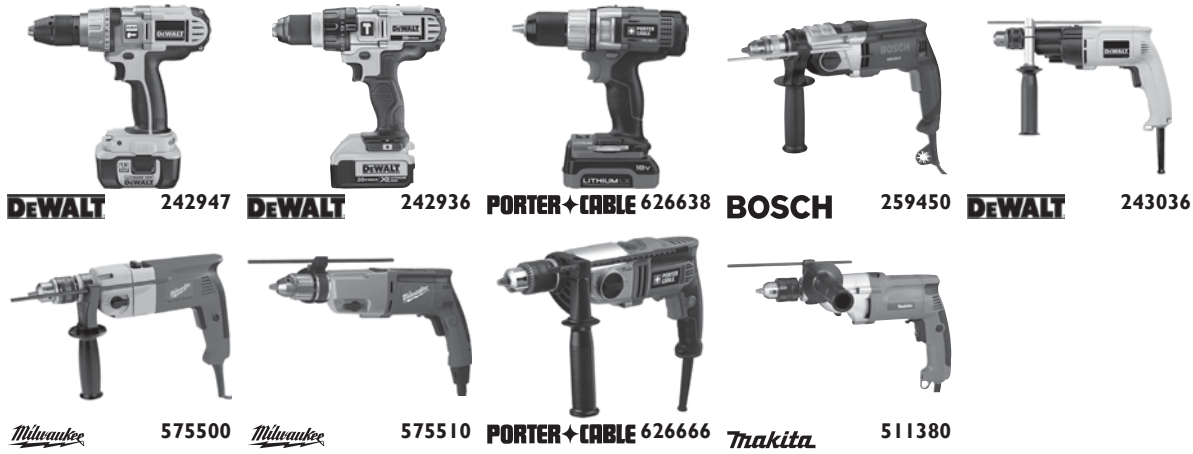
### 18V

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Mfr. Battery	Price
258972	DDS181-02	Bosch	0-500 / 0-1,700	600 in. lbs.	18	4 lbs.	2, Li-ion	BAT612	<b>\$270.00</b>
242920	DC720KA	DeWalt	0-500 / 0-1,700	n/a	18	4.8 lbs.	2, Ni-Cd	DC9096	<b>\$296.00</b>
242945	DCD940KX	DeWalt	0-500 / 0-1,250 / 0-2,000	n/a	18	6.3 lbs.	2, Ni-Cd	DC9096	<b>\$327.00</b>
616589	DS18DSDL	Hitachi	0-350 / 0-1,600	814 in./lbs.	18	4.6 lbs.	2, Li-ion	BSL1830	<b>\$366.00</b>
511369	XFD01	Makita	0-400 / 0-1,500	480 in./lbs.	18	3.3 lbs.	2, Li-ion	BL1830	<b>\$447.00</b>
575429	2603-22	Milwaukee	0-550 / 0-1,850	725 in./lbs.	18	4.9 lbs.	2, Li-ion	48-11-1828	<b>\$394.00</b>
575432	2606-22CT	Milwaukee	0-400 / 0-1,800	500 in./lbs.	18	2.9 lbs.	2, Li-ion	48-11-1815	<b>\$249.00</b>
626639	PCL180CDK-2	Porter Cable	0-350 / 0-1,500	424 in./lbs.	18	3.8 lbs.	2, Li-ion	PC18BLX	<b>\$211.00</b>
260439	2898LI-02	Skil	0-450 / 0-1,400	400 in./lbs.	18	2.9 lbs.	1, Li-ion	SBI8B-L1	<b>\$142.00</b>

### 20V

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Mfr. Battery	Price
242938	DCD780C2	DeWalt	0-600 / 0-2,000	310 in./lbs.	20	3.4 lbs.	2, Li-ion	DCB203	<b>\$263.00</b>
242937	DCD790D2	DeWalt	0-600 / 0-2,000	360 UWO	20	3.5 lbs.	2, Li-ion		<b>\$290.00</b>
242941	DCD980M2	DeWalt	0-575 / 0-1,350 / 0-2,000	486 in./lbs.	20	5.2 lbs.	2, Li-ion	DCB204	<b>\$346.00</b>
626659	PCCK600LB	Porter Cable	0-400 / 0-1,600	n/a	20	3.5 lbs.	2, Li-ion	PCC680L	<b>\$209.00</b>
626653	PCC601LB	Porter Cable	0-350 / 0-1,500	n/a	20	3.5 lbs.	2, Li-ion	PCC680L	<b>\$141.00</b>

**Hammer Drills**



**1/2" Cordless Hammer Drill Kits**

Stk.	Mfr.	Brand	Speed (rpm)	Chuck	Gear Train	Volts	Amps	Weight	Blows Per Minute	Qty./Batt.	Mfr. Battery	Price
242947	DCD970KL	DeWalt	0-500, 0-1,250, 0-2,000	Keyless	Triple	18		5.5 lbs.	0-8,500, 0-21,250, 0-34,000	2, Li-ion	DC9182	<b>\$464.00</b>
242936	DCD985M2	DeWalt	0-575 / 0-1,350 / 0-2,000	Keyless	Triple	20		5.2 lbs.	0-9,775, 0-22,950, 0-34,000	2, Li-ion	DCB200	<b>\$379.00</b>
626638	PCI80CHDK-2	Porter Cable	0-350, 0-1,550	Keyless	Double	18		5.1 lbs.	0-25,500	2, Ni-Cd	PCI8B	<b>\$183.00</b>

**1/2" Hammer Drill Kits**

Stk.	Mfr.	Brand	Speed (rpm)	Chuck	Gear Train	Volts	Amps	Weight	Blows Per Minute	Qty./Batt.	Mfr. Battery	Price
259450	HD19-2	Bosch	0-1,000, 0-3,000	Keyed	Double	120	8.5	6.0 lbs.	0-17,000, 0-51,000			<b>\$218.00</b>
243036	DW505K	DeWalt	0-1,100, 0-2,700	Keyed	Double	120	7.8	4.8 lbs.	0-19,000, 0-46,000			<b>\$192.00</b>
575500	5378-21	Milwaukee	0-1,350, 0-2,500	Keyed	Double	120	7.5	6.0 lbs.	0-22,000, 0-40,000			<b>\$193.00</b>
575510	5387-22	Milwaukee	0-1,100, 0-2,500	Keyed	Double	120	8.5	6.4 lbs.	0-16,000, 0-40,000			<b>\$250.00</b>
626666	PC70THD	Porter Cable	0-1,100, 0-3,100	Keyed	Double	120	7	5.1 lbs.	0-57,200			<b>\$113.00</b>

**3/4" Hammer Drill Kits**

Stk.	Mfr.	Brand	Speed (rpm)	Chuck	Gear Train	Volts	Amps	Weight	Blows Per Minute	Qty./Batt.	Mfr. Battery	Price
511380	HP2050F	Makita	0-1,200, 0-2,900	Keyed	Triple	120	6.6	5.1 lbs.	0-24,000, 0-58,000			<b>\$218.00</b>

**Right Angle Drills**



Milwaukee 575445 DEWALT 244002

**1/2" Right Angle Drill Kit**

Stk.	Mfr.	Brand	Speed (rpm)	Gear Train	Amps	Weight	Price
575445	3107-6	Milwaukee	0-1,350/0-2,500	Quadruple	7.0	10.3 lbs.	<b>\$324.00</b>

**3/8" Compact Right Angle Drill**

Stk.	Mfr.	Brand	Speed (rpm)	Gear Train	Amps	Weight	Price
244002	DW160V	DeWalt	0-1,200	Double	3.7	3.75 lbs.	<b>\$209.00</b>

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**Drywall Screwdrivers**



Stk.	Mfr.	Brand	Speed (rpm)	Gear Train	Volts	Amps	Weight	Price
<b>243032</b>	DW255	DeWalt	0-5,300	N/A	120	6	2.9 lbs.	<b>\$133.00</b>
<b>511359</b>	FS4200	Makita	0-4,000	Double	115	6	2.9 lbs.	<b>\$157.00</b>
<b>576173</b>	6742-20	Milwaukee	0-4,000	Single	120	6.5	3.5 lbs.	<b>\$131.00</b>

**Cordless Screwdrivers**



Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Price
<b>243310</b>	LI2000	Black & Decker	0-180	40 in./lbs.	3.6	1.8 lbs.	Outlet Recharger	<b>\$30.10</b>
<b>616565</b>	DB3DL2	Hitachi	0-200/600	44 in./lbs.	3.6	0.9 lbs.	2, Li-ion	<b>\$104.00</b>

Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Price
<b>260320</b>	2354-07	Skil	200	N/A	4	N/A	1, Li-ion	<b>\$44.90</b>

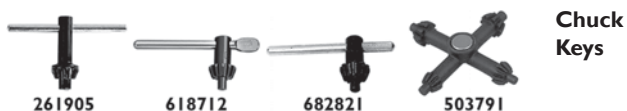
Stk.	Mfr.	Brand	Speed (rpm)	Max. Torque	Volts	Weight	Qty./Batt.	Price
<b>258960</b>	PS10-2A	Bosch	0-600	80 in./lbs.	12	2.2 lbs.	2, Li-ion	<b>\$214.00</b>
<b>258967</b>	PS21-2A	Bosch	0-350/1,300	265 in./lbs.	12	1.8 lbs.	2, Li-ion	<b>\$152.00</b>
<b>575425</b>	2401-22	Milwaukee	0-500	150 in./lbs.	12	2.0 lbs.	2, Li-ion	<b>\$143.00</b>

**Cut-out Tools**



Stk.	Mfr.	Brand	Speed (rpm)	Volts	Amps	Weight	Price
<b>243043</b>	DW660	DeWalt	30,000	120	5	3.2 lbs.	<b>\$95.50</b>
<b>259505</b>	SS560VSC-30	RotoZip	15,000-30,000	120	6	3.7 lbs.	<b>\$140.00</b>

Stk.	Mfr.	Brand	Price
<b>259507</b>	XB-DW2	RotoZip	<b>\$11.50</b>



**T-Type 3/8" & 1/2" chuck keys, plus pilot.**

Stk.	Mfr.	Item	Price
<b>261905</b>	14932	1/4" Pilot	<b>\$3.84</b>
<b>261904</b>	14920	9/32" Pilot	<b>\$2.50</b>

**Thumb Handle Model K-3 key w/nickel thumb grip for increased leverage & user comfort. Fits Jacobs Chuck 3, 34 & 14N series.**

Stk.	Mfr.	Item	Price
<b>618712</b>	3651D	5/16" Pilot	<b>\$8.28</b>

**Self-ejecting Model S-K3C key w/spring-loaded ejector ensures key disengagement after tightening. Fits Jacobs Chuck 3, 34 & 14N series.**

Stk.	Mfr.	Item	Price
<b>682821</b>	2948		<b>\$14.20</b>

**Universal Strong neodymium magnet for attaching key close to the worksite or toolbox.**

Stk.	Mfr.	Item	Price
<b>503791</b>	12060	Large key for industrial chucks. 3/8", 1/2" & 5/8" capacity.	<b>\$25.40</b>
<b>503790</b>	12050	Small key for hardware & industrial chucks. 1/4", 3/8" & 1/2" capacity.	<b>\$20.60</b>



**Keyless Chucks**

**Jacobs** Keyless chucks reduce bit changeover time, boost productivity, improve drilling performance & achieve higher gripping power. USA made chuck w/non-rusting, high-performance body. Elastomeric sure-grip sleeve provides comfort & hand-tightening efficiency.

**Fits most 1/2" drills.** 1/2"-20M Professional-duty Hand-Tite®

Stk.	Mfr.	Price
<b>942746</b>	31038D	<b>\$45.40</b>

**Fits most 3/8" drills.** 3/8"-24M Hand-Tite®

Stk.	Mfr.	Price
<b>942753</b>	30353D	<b>\$25.60</b>



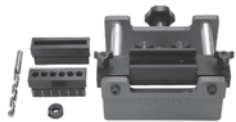
**AccuDrill™ Precision Drill Guide**

**General** Attaches to 3/8" & 1/2" power drills. Slide lock for accurate shaping, carving, sanding & buffing. Built-in depth stop. Dual locking knob & handle hold precise angle setting. Adjusts 45° in either direction of vertical drill position. Anchoring pins secure guide on flat surfaces,

narrow edges or large tubing. V-groove for positioning round stock pipe or tubing. Lightweight guide folds flat for toolbox storage.

**Includes** 3/8" chuck & chuck key.

Stk.	Mfr.	Price
<b>417425</b>	36/37	<b>\$56.50</b>



**Beadlock Pro Joinery Kit**

**Bench Dog** Get incredibly strong concealed joints with just a hand drill and the kit. Cuts 2 types of mortises: a Beadlock mortise and a traditional smooth-sided mortise.

- Integral clamp
- Infinite adjustability
- Handles stock thickness of 3/4" & up
- Constructed of heavy-duty 3/8" anodized aluminum
- Easy-grip knobs
- Index lines for precise alignment

**Includes** 3/8" HSS drill bit, 3/8" stop collar, 3/8" Beadlock® guide block, 3/8" mortise paring guide block & molded case.

**3/8" Beadlock Pro Kit**

Stk.	Mfr.	Size	Qty.	Price
<b>235397</b>	50-37801			<b>\$144.00</b>

**1/4" Accessory Kit**

Stk.	Mfr.	Size	Qty.	Price
<b>235398</b>	50-39882			<b>\$58.50</b>

**1/2" Accessory Kit**

Stk.	Mfr.	Size	Qty.	Price
<b>235396</b>	50-36546			<b>\$54.00</b>

**Pro Tenon Stock**

Stk.	Mfr.	Size	Qty.	Price
<b>235393</b>	50-31793	1/4" x 12"	3	<b>\$10.60</b>
<b>235391</b>	50-20796	3/8" x 12"	3	<b>\$10.60</b>
<b>235392</b>	50-30043	1/4" x 1-1/2"	25	<b>\$13.20</b>
<b>235390</b>	50-20783	1/2" x 12"	3	<b>\$10.60</b>
<b>235395</b>	50-34955	3/8" x 2"	20	<b>\$13.20</b>
<b>235394</b>	50-34320	1/2" x 2-1/2"	15	<b>\$13.20</b>

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**Shelf Pin Jigs**



**Kreg** Add shelf pin holes to existing furniture or to shelves built from scratch. Hardened steel drill guides ensure precise and straight drilling.

- Quick switch fence can be easily removed & moved to the other side of the jig
- Standard hole size/spacing drill guides are placed at 32mm apart

• Multiple jigs may be connected together for more length

**Includes** shelf pin jig, locating pin, jig extender, specialized drill bit, depth collar, allen wrench, 4 shelf pins & instruction manual.

Stk.	Mfr.	Size	Price
<b>793897</b>	KMA3200	1/4" Kit	<b>\$34.70</b>
<b>793898</b>	KMA3220	5mm Kit	<b>\$34.70</b>

**FASTENING**



**8-Piece Screwdriving Set**

**Thakita**

**Includes** 1-7/8" Phillips bits #'s 1, 2 & 3, 1/4"

socket adapter, 2" slotted bits w/finders: #'s 6-8, 8-10 & 10-12, 1/4" hex head nutsetter.

Stk.	Mfr.	Price
<b>511893</b>	784400-A-A	<b>\$24.20</b>



**5-Piece Screwdriving Set**

**Master Mechanic** Made from shock resistant tool steel for maximum durability.

**Includes** slotted bits #'s 6-8, square recess bits #'s 1 & 2, Phillips bits #'s 1 & 2.

Stk.	Mfr.	Price
<b>942853</b>	616904	<b>\$5.21</b>



**Magnetic Drive Sets**

**Irwin** Industrial grade set tested to meet the demands of professionals.

**13-Piece Includes** 1" Phillips bits (one #1, four #2 & one #3), 1" square recess bits (one #1 & three #2), 4-11/16" magnetic drive guide, two 1" slotted insert bits #8-10.

Stk.	Mfr.	Price
<b>410599</b>	3057013DS	<b>\$7.95</b>

**21-Piece Includes** ten 1" Phillips bits #2, five 1" square bits #2, five 1" slotted bits #8-10, 4-11/16" magnetic drive guide.

Stk.	Mfr.	Price
<b>410598</b>	3057002DS	<b>\$13.10</b>



**21-Piece Screwdriving Set**

**DEWALT**

**Includes:** 1" Phillips bits (one #1, six #2, one #3), 1" slotted bits (#'s 6, 8 & 10), 2" Phillips bit, Nutdrivers (1/4" & 5/16"), 2" magnetic bit tip holder, 1" square recess bits (one #1, three #2, one #3), 2" square recess power bit #2, molded case.

Stk.	Mfr.	Price
<b>243069</b>	DW2161	<b>\$21.50</b>



### 26-Piece Impact Screwdriver Bit Set

**Irwin Includes** 2" Torx® (1 of ea. T20, T25, T30), 1" Phillips bits four #2, 2" Phillips power bit (one #1, two #2, one #3), 4" x #2 Phillips bit, 1" x #2 square recess bit, 2" square recess bits (four #2, one #3), 4" #2 square recess bit, 3-1/16" compact magnetic screw guide bit, magnetic nut setters (1/4", 5/16", 3/8"), 2-1/2" x 1/4" quick-change extension bit.

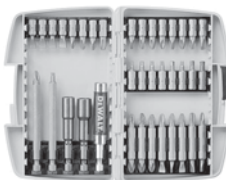
Stk.	Mfr.	Price
<b>619308</b>	1840393	<b>\$43.70</b>



### 29-Piece Shockwave Impact Duty™ Driver Bit Set

**Milwaukee Includes** 1" Phillips bits (one #1, seven #2, two #3), 2" Phillips bits (two #2, one #3), 1" square bits (one #1, four #2, one #3), 2" square bits (two #2), 1" Torx® bits (T15, T20, T25), 2" T25 Torx® bit, magnetic nut drivers (1/4" red, 5/16" amber, 3/8" blue), magnetic bit holder & molded case.

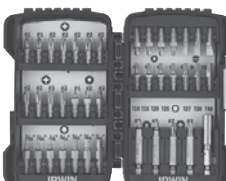
Stk.	Mfr.	Price
<b>577500</b>	48-32-4401	<b>\$22.40</b>



### 37-Piece Bit Set

**DEWALT Includes** 1" Phillips bits (one #1, ten #2, one #3), 1" slotted bits (one #6, two #8, one #10), magnetic nutsetters (1/4" & 5/16"), compact magnetic drive guide, 3-1/2" #2 Phillips bit, 3-1/2" #2 square recess bit, 1" square recess bits (one #1, six #2, one #3), 2" double end bits (one P#1/S#6, three P#2/S#8, three P#2/S#2, one P#3/S#10), storage case.

Stk.	Mfr.	Price
<b>243079</b>	DW2163	<b>\$29.50</b>



### 40-Piece Screwdriving Set

**Irwin Includes** 1" Phillips bits (two #1, seven #2, two #3), 1" slotted bits (6-8, 8-10, 10-12), 2-1/4" magnetic bit holder, 1" square recess bits (one #1, five #2, one #3), 7 Torx® bits (T#'s 10, 15, 20, 25, 27, 30, 40), 7 hex bits (3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32"), 2" square recess bits (#'s 2, 3), Phillips bits (#'s 2, 3), molded case.

Stk.	Mfr.	Price
<b>619506</b>	3057018	<b>\$32.60</b>



### 83-Piece Screwdriving Set

**Craftsman** 1/4" shank.

**Includes** 1" slotted bits (three ea. #6-8, #8-10, #10-12, two #12-14), 2" slotted bits (two #8-10, one #10-12, one #12-14), 1" Phillips bits (two #1, three #2, two #3), 2" Phillips bits (one #1, two #2, one #3), 1" Pozidriv bits (two

ea. #2, #3), 2" Pozidriv bits (one ea. #2, #3), 1" square recess bits (three ea. #2, #3), 1" Torx bits (two ea. #10, #15, #20, #25, #27, #30, #40), 1" Torx Power bits (one ea. TX7, TX8, TX10, TX15, TX20, TX25, TX27, TX30), 2" Torx Power bits (one ea. TX15, TX20, TX25), 1" Hex bits (three 5/32", two ea. 3/16", 7/32", 1/4", 5/16"), 1-1/2" Nut setters (one ea. 5/32", 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16"), 2-1/2" magnetic bit holder & molded case.

Stk.	Mfr.	Price
<b>305712</b>	26535	<b>\$35.20</b>



### 150-Piece Screwdriver Bit Set

**Irwin Includes** 45 Phillips bits: thirty-five 1" bits (fifteen #2, ten #'s 1 & 3), ten 1-15/16" (#2), 25 slotted bits: fifteen 1" (#8-10) & ten 1-15/16" (#8-10) 25 square recess bits: fifteen 1" (#2) & ten 1-15/16" (#2), 45 Torx® bits: thirty-five 1" (15 T25 & 10 ea. of T#'s 20 & 27), ten 1-15/16" (T25), 9 magnetic nut setters: (3 ea. of 1/4" x 1-7/8", 5/16 x 1-7/8", 3/8" x 1-7/8"), plus magnetic bit holder (1/4" x 2-31/32") & metal case.

Stk.	Mfr.	Price
<b>410600</b>	4935104	<b>\$159.00</b>



### Power Bits

**Irwin** 1/4" full hex body.

Stk.	Mfr.	Description	Point	Overall Length	Price
<b>410536</b>	93203	Sq. Recess	1	1-15/16"	<b>\$0.77</b>
<b>410537</b>	93205	Sq. Recess	2	1-15/16"	<b>\$0.77</b>
<b>410538</b>	93207	Sq. Recess	3	1-15/16"	<b>\$0.77</b>
<b>410527</b>	93103	Slotted	3-4	1-15/16"	<b>\$0.96</b>
<b>410528</b>	93105	Slotted	4-5	1-15/16"	<b>\$0.96</b>
<b>410529</b>	93107	Slotted	5-6	1-15/16"	<b>\$0.96</b>
<b>410530</b>	93109	Slotted	6-7	1-15/16"	<b>\$0.96</b>
<b>410531</b>	93111	Slotted	8-10	1-15/16"	<b>\$0.96</b>
<b>410532</b>	93113	Slotted	10-12	1-15/16"	<b>\$0.96</b>
<b>410548</b>	93003	Phillips	1	1-15/16"	<b>\$0.77</b>
<b>410549</b>	93007	Phillips	2	1-15/16"	<b>\$0.77</b>
<b>410550</b>	93011	Phillips	3	1-15/16"	<b>\$0.77</b>
<b>410574</b>	93321	Torx	T15	1-15/16"	<b>\$3.97</b>
<b>410575</b>	93324	Torx	T20	1-15/16"	<b>\$3.62</b>
<b>410576</b>	93327	Torx	T25	1-15/16"	<b>\$3.68</b>
<b>410577</b>	93333	Torx	T30	1-15/16"	<b>\$4.52</b>
<b>410522</b>	93073	Pozidriv	1	2"	<b>\$2.31</b>
<b>410523</b>	93077	Pozidriv	2	2"	<b>\$2.31</b>
<b>410524</b>	93079	Pozidriv	3	2"	<b>\$2.31</b>
<b>410595</b>	93017	Phillips	1	2-3/4"	<b>\$1.58</b>
<b>410596</b>	93019	Phillips	2	2-3/4"	<b>\$1.58</b>
<b>410597</b>	93021	Phillips	3	2-3/4"	<b>\$1.58</b>



### Phillips Double End Bits

Stk.	Mfr.	Point	Shank Dia.	Overall Length	Price
<b>410567</b>	784202-3	2	1/4" hex	1-3/4"	<b>\$3.76</b>
<b>410566</b>	784203-1	2	1/4" hex	2-5/8"	<b>\$3.76</b>
<b>410553</b>	93503	1	1/4" hex	1-1/2"	<b>\$1.22</b>
<b>410551</b>	93509	2	1/4" hex	1-1/2"	<b>\$1.22</b>
<b>410552</b>	93515	3	1/4" hex	1-1/2"	<b>\$1.22</b>



### Phillips Insert Bit Set

**Irwin** Twenty #2 Phillips insert bits in a shatter-resistant Pro-Pak™ Bit Container w/wide-opening, 1-hand flip top lid.

Stk.	Mfr.	Price
<b>619220</b>	357320	<b>\$13.20</b>



### Insert Bits

1/4" hex body.

Stk.	Mfr.	Description	Point	Overall Length	Price
410533	92203	Sq. Recess	1	1"	\$0.58
410534	92205	Sq. Recess	2	1"	\$0.58
410535	92207	Sq. Recess	3	1"	\$0.58
410564	92105	Slotted	3-4	1"	\$0.55
410554	92107	Slotted	4-5	1"	\$0.55
410556	92111	Slotted	6-8	1"	\$0.55
410557	92113	Slotted	8-10	1"	\$0.55
410558	92115	Slotted	10-12	1"	\$0.55
410559	92117	Slotted	12-14	1"	\$0.55
410500	92005	Phillips	1	1"	\$0.55
410501	92011	Phillips	2	1"	\$0.55
410502	92019	Phillips	3	1"	\$0.55
410539	92318	Torx	T10	1"	\$1.96
410540	92321	Torx	T15	1"	\$1.96
410541	92324	Torx	T20	1"	\$1.96
410542	92327	Torx	T25	1"	\$1.96
410543	92330	Torx	T27	1"	\$1.96
410544	92333	Torx	T30	1"	\$1.99
410545	92336	Torx	T40	1"	\$2.02
410503	92083	Posidriv	1	1"	\$0.84
410504	92085	Posidriv	2	1"	\$0.84
410505	92087	Posidriv	3	1"	\$0.84
511890	784214-OA	Phillips	2	1-7/8"	\$2.59
511892	784215-OA	Phillips	3	1-7/8"	\$2.59



### Magnetic Screwdriver Insert Bit Holders

**Irwin** 1/4" hex stainless steel body for socket wrench or adapter. 3"L.

Holds w/magnet rather than internal C-ring.

Stk.	Mfr.	Price
410560	93722	\$5.08

Knurled design holds w/external screw cap combined w/internal O-ring.

Stk.	Mfr.	Price
410499	93715	\$7.81

## COUNTERSINK & PLUG CUTTERS



### Drill & Drive System Sets

**DEWALT** Quick and easy changes between drilling and driving allows users to finish jobs faster. Change mechanism is designed for easy 1-step loading. 5/16" shank for added durability. Contoured finger grip for easy ergonomic use. Easy push forward 1-handed release. Multi-cutter countersinks for superior finish. Interchange-

able parts (drill bits, screwdriver bits, countersink inserts) make replacement easy for low-cost maintenance.

**12-Piece Includes** drill drive holder, drill drive connector, #'s 6, 8, 10 drill bits w/countersinks, two #6, one #8 & one #10 replacement drill bits, 3 Phillips bits & molded case.

Stk.	Mfr.	Price
243261	DW2735P	\$43.80

**8-Piece Includes** drill drive holder, drill drive connector, #'s 6 & 8 drill bits w/countersinks, #8 replacement drill bit & case.

Stk.	Mfr.	Price
243260	DW2730	\$29.00



### Drill & Drive System Replacement Parts

**DEWALT** Black oxide coating for longer life.

### Drill & Drive Systems

Stk.	Mfr.	Screw Size	Qty.	Price
243240	DW2700	#6	1	\$16.60
243241	DW2701	#8	1	\$16.60
243242	DW2702	#10	1	\$16.60

### Drill Bits

Stk.	Mfr.	Screw Size	Qty.	Price
243246	DW2720	#6	2	\$4.15
243247	DW2721	#8	2	\$4.15
243248	DW2722	#10	2	\$4.15

### Drill/Countersink Inserts

Stk.	Mfr.	Screw Size	Qty.	Price
243243	DW2710	#6	1	\$5.99
243244	DW2711	#8	1	\$6.03
243245	DW2712	#10	1	\$6.03



### Hex Shank Screw Pilot & Countersink Bits & Sets

**Vermont American** Hex shank screw pilots for drilling clean holes in wood, plastic & composite materials. Bits are replaceable.

Stk.	Mfr.	Screw Size	Price
261915	16506	#6	\$5.55
261916	16508	#8	\$5.55
261917	16510	#10	\$5.55
261918	16512	#12	\$5.55

**4-Piece Set Includes** # 6, 8, 10, 12.

Stk.	Mfr.	Screw Size	Price
261919	16515		\$17.90



### Adjustable Countersink Drill Bits

**Irwin** Tapered drill with widened flutes for drilling fast, clean pilot holes. Adjustable for controlled pilot hole depth. 1/4" quick-change shank.

Stk.	Mfr.	Screw Size	Qty.	Price
619280	1882781	#6	1	\$12.30
619281	1882782	#8	1	\$12.50
619282	1882783	#10	1	\$12.70
619283	1882784	#12	1	\$12.90



### 4-Piece Countersink Bit Set

**Craftsman** Drill, countersink or counterbore in wood. Speed-shank eliminates tool from slipping in drill chuck.

**Includes** #6-3/32", #8-7/64", #10-1/8", #12-1/8" & hex wrench.

Stk.	Mfr.	Price
305789	64335	\$12.80



### 4-Piece Adjustable Countersink Drill Bit Set

**General** Adjustable HSS pilot countersink/counterbore bits w/black-oxide, rust-resistant finish (1/4" hex shank).

**Includes** 3/32", 7/64", 1/8" & 9/64".

Stk.	Mfr.	Price
417420	34ST	\$15.90

**Countersink/Counterbore Sets**

**W.L. Fuller**



**10-Piece Set Includes** 5 adjustable countersink/counterbores: 2 with 3/8" cutting dia. and matching taper point drill sizes 9/64", 11/64" for #6 and #8 screws; 3 with 1/2" cutting dia. and taper point drill sizes 13/64", 7/32" and 1/4" for #10, #12 and #14 screws, plus 3/8" & 1/2" plug cutters with 1/4" shank, 3/8" & 1/2" stop collars, 2 hex keys & wooden case.

Stk.	Mfr.	Price
<b>416280</b>	10393008	<b>\$137.00</b>

**8-Piece Set Includes** 5 adjustable countersink/counterbores with 3/8" cutting dia. & matching taper point drill sizes 9/64", 5/32", 11/64", 5/16" and 13/64" for #6 to #10 screws, plus 3/8" plug cutter with 1/4" shank, 3/8" stop collar to control depth, 3/32" hex key & cardboard case w/foam insert.

Stk.	Mfr.	Price
<b>416275</b>	10390006	<b>\$93.00</b>

**22-Piece Countersink/Counterbore Bit Set Steelix**

**Includes** screws #'s 5, 6, 7, 8, 9, 10 & 12, plus countersink/counterbore bits & stop collars for each screw size & hex wrench.



Stk.	Mfr.	Price
<b>785598</b>	D1041	<b>\$22.10</b>

**Rose Countersinks**



**General** For steel, brass, aluminum, plastic, wood & other materials. High speed steel w/5 flutes. 1/4" round shank, 82°.

Stk.	Mfr.	Size	Price
<b>417960</b>	195	1/2"	<b>\$4.93</b>
<b>417962</b>	195	5/8"	<b>\$5.42</b>
<b>417964</b>	195	3/4"	<b>\$6.52</b>

**Vermont American** Deburr and chamfer holes in soft metal, wood and plastic. Made of high speed steel. Fits 1/4" drills.

Stk.	Mfr.	Size	Price
<b>942940</b>	16642	3/8"	<b>\$3.75</b>
<b>942941</b>	16643	1/2"	<b>\$3.96</b>
<b>942942</b>	16644	5/8"	<b>\$4.40</b>
<b>942943</b>	16645	3/4"	<b>\$5.08</b>

**Type 'C' Countersink/Counterbore Cutters**

**W.L. Fuller** Cutter makes driving screws easier and assure the best possible holding power. Designed for clean cutting and hardened for long wear. Cutter is held in place with 2 hex-socket screws and is easily adjustable up and down the drill so only cutter and length of drill is required for any length of wood screw. 82° angle.



Stk.	Mfr.	Cutter Dia.	Hole Size	Overall Length	Price
<b>416220</b>	C-4	5/16"	7/64"	7/8"	<b>\$10.30</b>
<b>416221</b>	C-5	3/8"	1/8"	7/8"	<b>\$9.27</b>
<b>416222</b>	C-6	3/8"	9/64"	7/8"	<b>\$9.27</b>
<b>416223</b>	C-7	3/8"	5/32"	7/8"	<b>\$9.27</b>
<b>416224</b>	C-8	3/8"	11/64"	7/8"	<b>\$9.27</b>
<b>416226</b>	C-10	7/16"	13/64"	7/8"	<b>\$10.30</b>
<b>416228</b>	C-12	1/2"	7/32"	7/8"	<b>\$10.30</b>

**7-Piece Set Includes** 7/64", 1/8", 9/64", 5/32", 11/64", 13/64" & 7/32" for #'s 5 to 12 wood screws & wood holder.

<b>416270</b>	10390001			<b>\$63.70</b>
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**Plug Cutters**

**Vermont American** Produce plugs for covering or hiding screws. Produces accurate plugs for any type of wood. Hardened-steel alloy body for long life. 1/4" shank.

Stk.	Mfr.	Size	Price
<b>261934</b>	16591	1/4"	<b>\$11.50</b>
<b>261935</b>	16592	3/8"	<b>\$11.60</b>
<b>261936</b>	16593	1/2"	<b>\$11.70</b>
<b>261937</b>	16594	5/8"	<b>\$11.80</b>

**3-Piece Set Includes** 3/8", 1/2", 5/8".

Stk.	Mfr.	Size	Price
<b>261938</b>	16595		<b>\$30.60</b>

**4-Piece Plug Cutter Set**

**W.L. Fuller** Designed to cut fast and make smooth chamfered plugs for easy starting in counterbored holes. Suitable for soft and hard-woods. Plug diameter is slightly larger than counterbore for a tight fit every time. Plug cutters do not eject the plugs. 3/8" shank.



**Includes** 3/8", 7/16", 1/2", 5/8" & wooden holder.

Stk.	Mfr.	Price
<b>416290</b>	11696004	<b>\$79.80</b>

**8-Piece Deluxe Plug Cutter Set**

**Steelix** Straight & tapered plug cutters of high-quality, carbon steel. Cutters make a smooth-sided plug w/rounded shoulders for easy insertion into a bored hole. The plug remains snug in the wood until sawed or broken out.



**Includes** 1/4", 3/8", 1/2" & 5/8" & wood case.

Stk.	Mfr.	Price
<b>785636</b>	D2022	<b>\$42.80</b>

**DRILL BITS**



**Jet Point® HSS Twist Drill Bits**

**Turbomax** Revolutionary Jet Point® tip design that stays sharp longer. Self-centered tip for clean, fast start. Unique flatted shank for better chuck grip. High speed steel with black body and gold flute.

Stk.	Mfr.	Size	Price
<b>457280</b>	73108	1/8"	<b>\$1.89</b>
<b>457281</b>	73109	9/64"	<b>\$2.07</b>
<b>457282</b>	73110	5/32"	<b>\$2.17</b>
<b>457283</b>	73111	11/64"	<b>\$2.53</b>
<b>457284</b>	73112	3/16"	<b>\$2.81</b>
<b>457285</b>	73113	13/64"	<b>\$3.32</b>
<b>457286</b>	73114	7/32"	<b>\$3.32</b>
<b>457287</b>	73115	15/64"	<b>\$3.78</b>
<b>457288</b>	73116	1/4"	<b>\$4.10</b>
<b>457293</b>	73118	9/32"	<b>\$5.53</b>
<b>457294</b>	73120	5/16"	<b>\$6.47</b>
<b>457289</b>	73124	3/8"	<b>\$9.00</b>
<b>457295</b>	73125	25/64"	<b>\$10.90</b>

**13-Piece Set Includes** sizes 1/16" to 1/4" by 64ths & metal index case.

<b>457290</b>	73136		<b>\$26.90</b>
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**21-Piece Set Includes** sizes 1/16" to 3/8" by 64ths & metal index case.

<b>457292</b>	73149		<b>\$78.70</b>
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**29-Piece Set Includes** 3/8" reduced shank sizes from 1/16" to 1/2" by 64ths & metal index case.

<b>457279</b>	73138		<b>\$173.00</b>
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**29-Piece Pilot Point Drill Bit Set**

**DEWALT** Pilot Point® gold ferrous oxide drill bits. Starts on contact for clean accurate holes and reduces lock-up on breakthrough. No-spin shank eliminates bit spinning in the chuck.

**Includes** sizes 1/16" to 1/2" by 64ths & metal index case.

Stk.	Mfr.	Price
<b>243107</b>	DW1969	<b>\$86.70</b>

**Lettered & Numbered Drill Bit Sets**



**26-Piece Letters A-Z Set** Complete set of 26 wire gauge bits, letters A to Z. Popular taps through 1/4 - 28 require the use of wire gauge drill. Features 118° point for general purpose drilling.

Stk.	Mfr.	Price
<b>261900</b>	I2027	<b>\$131.00</b>

**60-Piece Number Set** #1 to #60 wire gauge drill bits. 118° bright finish bits ground from solid HSS. Metal case.

Stk.	Mfr.	Price
<b>682719</b>	AP50-E60	<b>\$58.70</b>

**10-Piece Hex Shank Drill Bit Set**



**Vermont American** High speed steel hex shank drill bits are designed for quick bit changes during general purpose drilling in wood, metal and plastic. Each bit features a 1/4" hex shank with power groove for use in cordless drills, cordless screwdrivers and quick

change adapters 10-piece set.

**Includes** 1/16" to 1/4" in 1/64" increments, plus case.

Stk.	Mfr.	Price
<b>261902</b>	I3137	<b>\$29.70</b>

**15-Piece Titanium Coated Fractional Drill Bit Set**



**Irwin** Titanium-coated (TiN) HSS bits last up to 6x longer than standard HSS. Extremely rigid short cutting lips reduce torque when drilling high-tensile materials. 135° split point (*precision start, no walking*).

**Includes** 1/16" to 1/2" in 32nds & indexed metal case.

Stk.	Mfr.	Price
<b>457229</b>	63737	<b>\$121.00</b>

**29-Piece Black Oxide Fractional Drill Bit Set**



**Milwaukee** Thunderbolt® black oxide bits w/parabolic flute to clear chips faster, 135° split point (*precision start, no walking*), 3-flat secure-grip shank. Reduced shank dia. for use in 3/8" chuck.

**Includes** 1/16" to 1/2" in 64ths & molded case.

Stk.	Mfr.	Price
<b>577576</b>	48-89-2802	<b>\$79.80</b>



**29-Piece HSS Fractional Drill Bit Set Black & Decker**

**Includes** 1/16" to 1/2" by 64ths, plus metal case.

Stk.	Mfr.	Price
<b>243320</b>	I5575	<b>\$34.90</b>

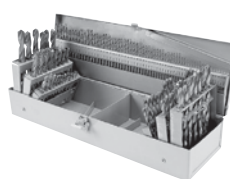


**29-Piece HSS Black Oxide Fractional Drill Bit Set**

**Steelex** HSS black oxide coated drill bits.

**Includes** 1/16" to 1/2" by 64ths, plus metal case.

Stk.	Mfr.	Price
<b>785610</b>	DI135	<b>\$27.30</b>



**115-Piece Combination Drill Bit Set**

**Steelex** Titanium-coated (TiN) HSS bits.

**Includes** 29 fractional bits 1/16" to 1/2" by 64ths, 26 lettered bits A-Z, 60 numbered bits & indexed steel case.

Stk.	Mfr.	Price
<b>785615</b>	DI138	<b>\$105.00</b>



**HSS Fractional Drill Bit Sets**

High speed steel for the best combination of strength, heat resistance & wear resistance. 118° standard point.

**Irwin 13-Piece Set 1/16" to 1/4" by 64ths.**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>456997</b>	60136	1/4"	Straight	Jobber	Metal	<b>\$16.20</b>

**Irwin 15-Piece Set 1/16" to 1/2" by 32nds.**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>457140</b>	60147	3/8"	Reduced	Jobber	Metal	<b>\$49.10</b>

**Irwin 15-Piece Sets 1/16" to 1/2" by 32nds.**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>456998</b>	60137	1/2"	Straight	Jobber	Metal	<b>\$47.80</b>

**Irwin 21-Piece Set 1/16" to 3/8" to 1/4" by 32nds**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>457210</b>	60221	3/8"	Straight	Jobber	Metal	<b>\$53.20</b>

**Irwin 29-Piece Sets 1/16" to 1/2" by 64ths**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>457065</b>	60138	1/2"	Straight	Jobber	Metal	<b>\$91.60</b>
<b>457141</b>	60148	3/8"	Reduced	Jobber	Metal	<b>\$95.80</b>

**Vermont American 7-Piece Set 1/16" to 1/4" by 32nds.**

Stk.	Mfr.	Chuck	Shank	Length	Case	Price
<b>261921</b>	10240	1/4"	Straight	Jobber	Molded	<b>\$10.80</b>

**CAN'T FIND IT?**

Call us at 800-831-5904.

### General Purpose HSS Fractional Bit



**Irwin** For general use in metal, wood & plastic. Bright finish. 118° standard point.

#### Quantity Savings!

#### No. 601 Jobbers length straight shank.

Stk.	Mfr.	Size	Qty.	Price	Qty. Price
<b>454787</b>	60101	1/64"	1	<b>\$1.24</b>	12 or more <b>\$0.99</b>
<b>454854</b>	60102	1/32"	1	<b>\$0.94</b>	12 or more <b>\$0.75</b>
<b>454921</b>	60103	3/64"	1	<b>\$0.76</b>	12 or more <b>\$0.61</b>
<b>454988</b>	60104	1/16"	1	<b>\$0.68</b>	12 or more <b>\$0.54</b>
<b>455055</b>	60105	5/64"	1	<b>\$0.68</b>	12 or more <b>\$0.54</b>
<b>455122</b>	60106	3/32"	1	<b>\$0.70</b>	12 or more <b>\$0.56</b>
<b>455189</b>	60107	7/64"	1	<b>\$0.70</b>	12 or more <b>\$0.56</b>
<b>455256</b>	60108	1/8"	1	<b>\$0.78</b>	12 or more <b>\$0.63</b>
<b>455323</b>	60109	9/64"	1	<b>\$0.86</b>	12 or more <b>\$0.69</b>
<b>455390</b>	60110	5/32"	1	<b>\$0.92</b>	12 or more <b>\$0.74</b>
<b>455457</b>	60111	11/64"	1	<b>\$1.00</b>	12 or more <b>\$0.80</b>
<b>455524</b>	60112	3/16"	1	<b>\$1.12</b>	12 or more <b>\$0.90</b>
<b>455591</b>	60113	13/64"	1	<b>\$1.30</b>	12 or more <b>\$1.04</b>
<b>455658</b>	60114	7/32"	1	<b>\$1.40</b>	12 or more <b>\$1.12</b>
<b>455725</b>	60115	15/64"	1	<b>\$1.52</b>	12 or more <b>\$1.22</b>
<b>455792</b>	60116	1/4"	1	<b>\$1.72</b>	12 or more <b>\$1.38</b>
<b>455859</b>	60117	17/64"	1	<b>\$2.10</b>	6 or more <b>\$1.68</b>
<b>455926</b>	60118	9/32"	1	<b>\$2.42</b>	6 or more <b>\$1.94</b>
<b>455993</b>	60119	19/64"	1	<b>\$2.62</b>	6 or more <b>\$2.09</b>
<b>456060</b>	60120	5/16"	1	<b>\$2.66</b>	6 or more <b>\$2.13</b>
<b>456127</b>	60121	21/64"	1	<b>\$3.02</b>	6 or more <b>\$2.42</b>
<b>456194</b>	60122	11/32"	1	<b>\$3.44</b>	6 or more <b>\$2.75</b>
<b>456261</b>	60123	23/64"	1	<b>\$3.86</b>	6 or more <b>\$3.09</b>
<b>456328</b>	60124	3/8"	1	<b>\$3.86</b>	6 or more <b>\$3.09</b>
<b>456395</b>	60125	25/64"	1	<b>\$4.46</b>	6 or more <b>\$3.57</b>
<b>456462</b>	60126	13/32"	1	<b>\$4.52</b>	6 or more <b>\$3.62</b>
<b>456529</b>	60127	27/64"	1	<b>\$5.00</b>	6 or more <b>\$3.99</b>
<b>456596</b>	60128	7/16"	1	<b>\$5.32</b>	6 or more <b>\$4.25</b>
<b>456663</b>	60129	29/64"	1	<b>\$6.28</b>	6 or more <b>\$5.02</b>
<b>456730</b>	60130	15/32"	1	<b>\$6.34</b>	6 or more <b>\$5.07</b>
<b>456797</b>	60131	31/64"	1	<b>\$6.76</b>	6 or more <b>\$5.40</b>
<b>456864</b>	60132	1/2"	1	<b>\$6.62</b>	6 or more <b>\$5.29</b>

#### No. 718 Jobbers length 3/8" reduced shank.

Stk.	Mfr.	Size	Qty.	Price	Qty. Price
<b>457268</b>	71825	25/64"	1	<b>\$7.57</b>	
<b>457269</b>	71826	13/32"	1	<b>\$7.57</b>	
<b>457270</b>	71827	27/64"	1	<b>\$9.02</b>	
<b>457271</b>	71828	7/16"	1	<b>\$9.18</b>	
<b>457272</b>	71829	29/64"	1	<b>\$10.20</b>	
<b>457273</b>	71830	15/32"	1	<b>\$10.20</b>	
<b>457274</b>	71831	31/64"	1	<b>\$11.80</b>	
<b>457275</b>	71832	1/2"	1	<b>\$12.00</b>	



### Cobalt Drill Bit Sets

**Steelex** Cobalt alloy bits handle high-tensile steels & hard-to-machine alloys used in aerospace applications. 135° split point bits eliminate the bits from walking.

**13-Piece Includes** 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4" & steel indexed case.

Stk.	Mfr.	Price
<b>785625</b>	D2138	<b>\$25.20</b>

**29-Piece Includes** 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2" & steel indexed case.

Stk.	Mfr.	Price
<b>785626</b>	D2140	<b>\$146.00</b>

### Cobalt Drill Bits



**Irwin** 8% cobalt for super abrasive resistance drilling in hardened steel, super alloys, titanium & stainless steel. 135° split point reduces feed pressure minimizing bit "walk." Heavy-duty web construction for strength & durability.

Stk.	Mfr.	Size	Price
<b>457213</b>	63104	1/16"	<b>\$1.34</b>
<b>457214</b>	63105	5/64"	<b>\$1.34</b>
<b>457215</b>	63106	3/32"	<b>\$1.34</b>
<b>457216</b>	63107	7/64"	<b>\$1.41</b>
<b>457217</b>	63108	1/8"	<b>\$1.66</b>
<b>457218</b>	63109	9/64"	<b>\$1.78</b>
<b>457219</b>	63110	5/32"	<b>\$1.91</b>
<b>457220</b>	63112	3/16"	<b>\$2.28</b>
<b>457221</b>	63114	7/32"	<b>\$3.04</b>
<b>457222</b>	63116	1/4"	<b>\$3.78</b>
<b>457223</b>	63120	5/16"	<b>\$5.24</b>
<b>457224</b>	63124	3/8"	<b>\$7.92</b>
<b>457225</b>	63128	7/16"	<b>\$9.53</b>
<b>457226</b>	63132	1/2"	<b>\$12.00</b>

**15-Piece Set Includes** 1 ea. of 5/64", 7/64", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"; 2 ea. of 11/16", 3/32", 1/8" & molded case.

Stk.	Mfr.	Size	Price
<b>457252</b>	316015		<b>\$45.70</b>

### Steel Taper Point Drill Bits



**W.L. Fuller** Cut wood and plastic in 1 operation for the thread and shank of wood screws with this general purpose taper point drill bit. Recommended for most jobs, whether in a drill press or in hand-held equipment. Bits cut well in both hard and softwoods.

Stk.	Mfr.	Drill Dia.	Screw Size	Flute Length	Overall Length	Price
<b>416400</b>	20100109	7/64"	#4	1-1/2"	2-5/8"	<b>\$6.45</b>
<b>416405</b>	20100125	1/8"	#5	1-5/8"	2-3/4"	<b>\$6.28</b>
<b>416410</b>	20100140	9/64"	#6	1-3/4"	2-7/8"	<b>\$6.70</b>
<b>416415</b>	20100156	5/32"	#7	2"	3-1/8"	<b>\$6.70</b>
<b>416420</b>	20100171	11/64"	#8	2-1/8"	3-1/4"	<b>\$7.02</b>
<b>416425</b>	20100187	3/16"	#9	2-5/16"	3-1/2"	<b>\$7.35</b>
<b>416430</b>	20100203	13/64"	#10	2-7/16"	3-5/8"	<b>\$7.69</b>
<b>416435</b>	20100218	7/32"	#12	2-1/2"	3-3/4"	<b>\$8.17</b>

**7-Piece Set Includes** 1/8", 9/64", 5/32", 11/64", 3/16", 13/64" & 7/32" bits.

Stk.	Mfr.	Price
<b>416450</b>	20190001	<b>\$44.50</b>

**14-Piece Set Includes** 1 each of 1/8", 9/64", 5/32", 11/64", 7/32", 9/32" & 5/16", 3 each of 3/16" & 2 each of 13/64" & 1/4".

Stk.	Mfr.	Price
<b>416455</b>	20190014	<b>\$103.00</b>

### Blacksmith Drill Bits

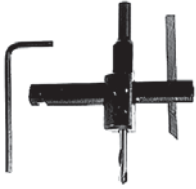


**Irwin** Silver & Deming HSS bits with 1/2" reduced shanks. 3-flatted shank for secure grip. 118° split point.

Stk.	Mfr.	Size	Overall Length	Price
<b>461353</b>	91136	9/16"	6"	<b>\$17.80</b>
<b>461420</b>	91140	5/8"	6"	<b>\$19.80</b>
<b>461426</b>	91144	11/16"	6"	<b>\$22.10</b>
<b>461487</b>	91148	3/4"	6"	<b>\$24.00</b>
<b>461493</b>	91152	13/16"	6"	<b>\$27.40</b>
<b>461554</b>	91156	7/8"	6"	<b>\$29.30</b>
<b>461558</b>	91160	15/16"	6"	<b>\$33.50</b>
<b>461621</b>	91164	1"	6"	<b>\$37.90</b>

**8-Piece Set Includes** 9/16" to 1" by 16ths, plus molded case.

Stk.	Mfr.	Size	Overall Length	Price
<b>461320</b>	90108		6"	<b>\$256.00</b>



**Circle Cutters**

**General** Replaceable high speed steel blades. Maximum safe speed 500 rpm.

Stk.	Mfr.	Shank	Circles	Price
<b>417000</b>	4	3/8" Rd. & 5/8" Sq.	7/8" to 4"	<b>\$16.30</b>
<b>417067</b>	5B	3/8" Rd.	1" to 6"	<b>\$22.60</b>
<b>417469</b>	55	1/2" Rd.	1-3/4" to 8"	<b>\$33.60</b>



**Bell Hanger Bit**

**Vermont American** Heat-treated and tempered for long life. Wide flute design allows for fast, clean boring in wood and plaster. Hole in flute head for pulling wires. Used for drilling lamp columns for cord or pipe nipple to hold socket.

Stk.	Mfr.	Size	Length	Price
<b>261922</b>	13323	3/8"	18"	<b>\$14.20</b>



**Drill Stop Set**

**General** For use on twist or brad point drills to prevent excessive drill penetration. Positive depth control assures exact hole depths for multiple drilling jobs. Black oxide finish on cold rolled steel.

**Includes** hex wrench & 6 stops: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2".

Stk.	Mfr.	Price
<b>419618</b>	S838	<b>\$5.48</b>



**Step Drill Bits**

**Unibit** Bits are constructed of industrial-grade high speed molybdenum steel. For use with steel, copper, brass, aluminum and other thin materials. Exclusive design allows the drilling of perfectly round holes in these materials.

Stk.	Mfr.	Holes	Hole Sizes	Price
<b>619700</b>	10231	13	1/8"-1/2"	<b>\$29.00</b>
<b>619701</b>	10232	6	3/16"-1/2"	<b>\$29.00</b>
<b>619702</b>	10233	9	1/4"-3/4"	<b>\$52.30</b>
<b>619703</b>	10234	12	3/16"-7/8"	<b>\$61.80</b>

**3-Piece Set Includes** 10231, 10232 & 10233.

Stk.	Mfr.	Holes	Hole Sizes	Price
<b>619710</b>	10502			<b>\$107.00</b>



**Self-centering Hinge Vix Bits**

**General** Highly accurate self-centering bits for drilling pilot holes in cabinet & door hinges, door butts & in large & small hardware. Spring-loaded outer guide keeps the high speed drill centered for perfect pilot holes. Adjustable drill depth.

Stk.	Mfr.	Drill Size	Drill Depth	Screw Size	Price
<b>417990</b>	291	5/64"	1/8"	3 & 4	<b>\$10.50</b>
<b>417991</b>	292	7/64"	7/32"	5 & 6	<b>\$10.10</b>
<b>417992</b>	293	9/64"	5/16"	8 & 10	<b>\$10.60</b>



**Carbide Forstner Bits**

**freud**

Carbide bits bring a technical level of excellence not found in a standard high speed steel forstner bit. Drill through a multitude of materials and use bits to drill pocket, angled, overlapping and flat bottom holes. Will not burn and will stay sharper longer.

Stk.	Mfr.	Size	Shank	Price
<b>412400</b>	FC-001	1/4"	5/32"	<b>\$27.10</b>
<b>412401</b>	FC-002	3/8"	1/4"	<b>\$27.10</b>
<b>412402</b>	FC-003	1/2"	5/16"	<b>\$28.80</b>
<b>412403</b>	FC-004	5/8"	5/16"	<b>\$30.80</b>
<b>412404</b>	FC-005	3/4"	3/8"	<b>\$33.80</b>
<b>412405</b>	FC-006	7/8"	3/8"	<b>\$36.70</b>
<b>412406</b>	FC-007	1"	3/8"	<b>\$40.00</b>
<b>412407</b>	FC-008	1-1/8"	3/8"	<b>\$42.20</b>
<b>412408</b>	FC-009	1-1/4"	3/8"	<b>\$45.40</b>
<b>412409</b>	FC-010	1-3/8"	3/8"	<b>\$47.20</b>
<b>412410</b>	FC-011	1-1/2"	3/8"	<b>\$55.60</b>
<b>412411</b>	FC-012	1-5/8"	3/8"	<b>\$59.60</b>
<b>412412</b>	FC-013	1-3/4"	3/8"	<b>\$64.60</b>
<b>412413</b>	FC-014	1-7/8"	3/8"	<b>\$70.90</b>
<b>412414</b>	FC-015	2"	3/8"	<b>\$75.30</b>
<b>412415</b>	FC-016	2-1/8"	3/8"	<b>\$86.70</b>

**7-Piece Set Includes** 1/4", 3/8", 1/2", 5/8", 3/4", 1" & 1-3/8" bits, plus wood case.

Stk.	Mfr.	Size	Shank	Price
<b>412416</b>	FC-107			<b>\$231.00</b>



**HSS Forstner Bits & Set**

**freud**

Unique design has multiple cutting surfaces that produces a greater shearing action resulting in less heat and a faster, cleaner cut. Drills clean, smooth holes in veneers or thick, heavy stock. Small center spur for accurate starts. Bore any circle arc at any angle.

Stk.	Mfr.	Size	Shank	Price
<b>412100</b>	FB-001	1/4"	1/4"	<b>\$8.64</b>
<b>412101</b>	FB-002	3/8"	1/4"	<b>\$8.64</b>
<b>412102</b>	FB-003	1/2"	5/16"	<b>\$9.29</b>
<b>412103</b>	FB-004	5/8"	5/16"	<b>\$10.50</b>
<b>412104</b>	FB-005	3/4"	3/8"	<b>\$12.00</b>
<b>412105</b>	FB-006	7/8"	3/8"	<b>\$12.60</b>
<b>412106</b>	FB-007	1"	3/8"	<b>\$13.50</b>
<b>412107</b>	FB-008	1-1/8"	3/8"	<b>\$14.50</b>
<b>412108</b>	FB-009	1-1/4"	3/8"	<b>\$15.60</b>
<b>412109</b>	FB-010	1-3/8"	3/8"	<b>\$17.90</b>
<b>412110</b>	FB-011	1-1/2"	3/8"	<b>\$21.00</b>
<b>412111</b>	FB-012	1-5/8"	3/8"	<b>\$23.20</b>
<b>412112</b>	FB-013	1-3/4"	3/8"	<b>\$25.00</b>
<b>412113</b>	FB-014	1-7/8"	3/8"	<b>\$25.80</b>
<b>412114</b>	FB-015	2"	3/8"	<b>\$28.10</b>
<b>412115</b>	FB-016	2-1/8"	3/8"	<b>\$32.10</b>

**4-Piece Set Includes** 1/4", 1/2", 3/4", 1" bits, plus wood case.

Stk.	Mfr.	Size	Shank	Price
<b>412118</b>	FB-104			<b>\$36.40</b>

**7-Piece Set Includes** bits from 1/4" to 1" in 1/8" increments, plus wood case.

Stk.	Mfr.	Size	Shank	Price
<b>412117</b>	FB-107			<b>\$70.90</b>

**16-Piece Set Includes** bits from 1/4" to 2-1/8" in 1/8" increments, plus wood case.

Stk.	Mfr.	Size	Shank	Price
<b>412116</b>	FB-100			<b>\$262.00</b>





### Titanium-Coated (TiN) Forstner Bit Set

**Steelex** Because of their edge holding capabilities, Titanium Nitride-coated bits stay 6x sharper. 3-1/2"L, 3/8" shank.

**Includes** 1/4" to 2-1/8" bits in increments of 1/8" & wood case.

Stk.	Mfr.	Price
<b>785617</b>	D2019	<b>\$102.00</b>



### Solid Center Auger Bits

**Irwin** For use in electric drills and hand braces. Heat-treated full length for added strength. Coarse screw point for fast boring in all types of wood.

Stk.	Mfr.	Size	Shank	Length	Price
<b>484010</b>	49904	1/4"	3/8"	7-1/2"	<b>\$14.40</b>
<b>484012</b>	49906	3/8"	3/8"	7-1/2"	<b>\$14.50</b>
<b>484014</b>	49908	1/2"	3/8"	7-1/2"	<b>\$14.60</b>
<b>484016</b>	49910	5/8"	3/8"	7-1/2"	<b>\$14.60</b>
<b>484018</b>	49912	3/4"	3/8"	7-1/2"	<b>\$15.70</b>
<b>484020</b>	49914	7/8"	3/8"	7-1/2"	<b>\$17.10</b>
<b>484022</b>	49916	1"	3/8"	7-1/2"	<b>\$18.50</b>

**6-Piece Set Includes** 1/4", 3/8", 1/2", 5/8", 3/4" & 1", plus vinyl holder.

<b>484034</b>	49998				<b>\$88.40</b>
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**13-Piece Set Includes** 1/4" to 1" by 16ths, plus holder.

<b>485275</b>	90076				<b>\$196.00</b>
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### Bit Extensions

**Irwin** For all wood bits with 1/4" shanks. 3 flats on shank. Follows 5/8" & larger bits through hole. Heavy-duty double set screw.

**Includes** Allen wrench.

Stk.	Mfr.	Size	Shank	Length	Price
<b>485008</b>	88702	5/8"	1/4"	6"	<b>\$6.05</b>
<b>962358</b>	88601	5/8"	1/4"	12"	<b>\$7.53</b>



### Lock-n-Load 1/4" Quick Change Bit Extension

**Irwin** Magnetic, 1-hand quick-change chuck. Durable carbon steel sleeve & body. Select a 1/4" grooved hex shank bit, slide back the chuck sleeve, load the bit, release the sleeve & drill.

Stk.	Mfr.	Size	Length	Price
<b>619535</b>	4935703	1/4"	2"	<b>\$12.80</b>
<b>619536</b>	4935704	1/4"	6"	<b>\$14.50</b>
<b>619537</b>	4935705	1/4"	12"	<b>\$16.10</b>



### MAX Self-feed Wood Bit

**Speedbor** 3x cutting edges extends bit life. Use for drilling large dia. holes in wood for pipe, conduit & more. Replaceable coarse screw point drills quickly in dry, wet & gummy wood.

- Precision-milled shank eliminates runout & wobble
- 7/16" quick-change hex impact shank (fits 1/2" or larger electric drills or hex impact wrench drills, 7/16")
- Resharpenable edges

Stk.	Mfr.	Size	Shank	Length	Price
<b>452779</b>	3046004	1"	7/16"	5"	<b>\$33.00</b>
<b>452781</b>	3046006	1-1/4"	7/16"	5"	<b>\$33.70</b>
<b>452782</b>	3046008	1-1/2"	7/16"	5"	<b>\$34.50</b>
<b>452783</b>	3046009	1-3/4"	7/16"	5"	<b>\$36.50</b>
<b>452784</b>	3046010	2"	7/16"	5"	<b>\$37.70</b>
<b>452785</b>	3046012	2-1/4"	7/16"	5"	<b>\$41.50</b>
<b>452786</b>	3046014	3"	7/16"	5"	<b>\$90.60</b>



### MAX Speed Bit Sets

**Speedbor** Tri-Flute design for faster chip ejection. Cutting spurs have 3 cutting edges for added durability. Full screw tip allows bit to self feed. Grooved hex shank prevents slipping in drill chuck or bit extension. Fits all standard 1/4" quick change chucks.

**3-Piece Set Includes** 5/8", 3/4" & 1" bits.

Stk.	Mfr.	Shank	Length	Price
<b>619514</b>	3041003	1/4"	6"	<b>\$23.10</b>

**6-Piece Set Includes** 1/2", 5/8", 3/4", 7/8", 1" & 1-1/4" bits.

<b>619515</b>	3041006	1/4"	6"	<b>\$44.90</b>
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### Brad Point Drill Bits & Sets

**Irwin** Precision-ground for furniture making, doweling, cabinetry & other woodworking applications. Spurred cutting head reduces splintering & ensures a smooth, clean hole. Wide flutes for fast, continuous chip flow. \* **Bit with 3/8" reduced shank.**

Stk.	Mfr.	Size	Price
<b>452703</b>	49612	1/8"	<b>\$4.67</b>
<b>452704</b>	49613	3/16"	<b>\$5.00</b>
<b>452705</b>	49614	1/4"	<b>\$5.22</b>
<b>452706</b>	49615	5/16"	<b>\$6.16</b>
<b>452707</b>	49616	3/8"	<b>\$7.29</b>
<b>452708</b>	49617	7/16"	<b>\$9.27</b>
<b>452709</b>	49618	1/2"*	<b>\$10.40</b>

**5-Piece Set Includes** 3/16", 1/4", 5/16", 3/8" & 1/2"\* bits.

<b>452710</b>	49600		<b>\$28.70</b>
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### 7-Piece Brad Point Drill Bit Set

**Steelex** Carbide-tipped brad point bits produce professional, crisp, flat-bottomed holes. Carbide-tipped bits stay sharper longer & practically eliminate cross-grain tear-out. Ideal for boring exotic or high-density woods.

**Includes** 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" & 1/2" bits, plus wood case.

Stk.	Mfr.	Price
<b>785600</b>	D1032	<b>\$23.30</b>

### Masonry Drill Bits & Sets

Use double flute masonry bits for drilling in brick, cinder block and tile. The double flute design drills twice as fast as standard masonry bits. Carbide tip minimizes wear and extends the life of the bit.

#### Irwin

Stk.	Mfr.	Size	Shank	Price
<b>457230</b>	61108	1/8" x 3"	1/4"	<b>\$2.26</b>
<b>457232</b>	61112	3/16" x 4"	1/4"	<b>\$2.35</b>
<b>457236</b>	61116	1/4" x 4"	1/4"	<b>\$2.47</b>
<b>457238</b>	61120	5/16" x 4"	1/4"	<b>\$3.02</b>
<b>457240</b>	61124	3/8" x 4"	1/4"	<b>\$4.19</b>
<b>457244</b>	61128	7/16" x 4"	1/4"	<b>\$5.06</b>
<b>457246</b>	61132	1/2" x 4"	1/4"	<b>\$5.99</b>
<b>457248</b>	61140	5/8" x 6"	3/8"	<b>\$9.18</b>
<b>457250</b>	61148	3/4" x 6"	3/8"	<b>\$13.00</b>

**Irwin 5-Piece Set Includes** 3/16", 1/4", 5/16", 3/8", 1/2" bits & plastic box.

Stk.	Mfr.	Size	Shank	Price
<b>457258</b>	61170		1/4"	<b>\$18.10</b>

**Vermont American 5-Piece Set** Not for use in hammer drills. **Includes** 5/32", 3/16", 1/4", 5/16", 3/8" & case.

Stk.	Mfr.	Size	Shank	Price
<b>261903</b>	14012			<b>\$11.00</b>



**Spade Bits & Sets**

**Irwin** Spade bits w/Blue-Groove™ point flanked by extended spurs & angled cutting edges to cut rather than scrape away wood. Shank fits all drills & 1/4" quick change holders. Please include size when ordering.

**4-3/4" Spade Bits**

Stk.	Mfr.	Size	Shank	Length	Price
<b>461300</b>	87908	1/2"	1/4"	4-3/4"	<b>\$3.11</b>
<b>461301</b>	87910	5/8"	1/4"	4-3/4"	<b>\$3.43</b>
<b>461302</b>	87912	3/4"	1/4"	4-3/4"	<b>\$3.43</b>
<b>461303</b>	87914	7/8"	1/4"	4-3/4"	<b>\$3.62</b>
<b>461304</b>	87916	1"	1/4"	4-3/4"	<b>\$3.75</b>
<b>461305</b>	87920	1-1/4"	1/4"	4-3/4"	<b>\$5.20</b>
<b>461306</b>	87924	1-1/2"	1/4"	4-3/4"	<b>\$5.20</b>

**4-3/4" Spade Bits, 3-Piece Set Includes 1/2", 3/4" & 1".**

Stk.	Mfr.	Size	Shank	Length	Price
<b>461307</b>	87950		1/4"	4-3/4"	<b>\$9.86</b>

**6" Spade Bits**

Stk.	Mfr.	Size	Shank	Length	Price
<b>485180</b>	88804	1/4"	1/4"	6"	<b>\$3.13</b>
<b>485181</b>	88805	5/16"	1/4"	6"	<b>\$3.13</b>
<b>485182</b>	88806	3/8"	1/4"	6"	<b>\$3.18</b>
<b>485183</b>	88807	7/16"	1/4"	6"	<b>\$3.18</b>
<b>485184</b>	88808	1/2"	1/4"	6"	<b>\$3.34</b>
<b>485185</b>	88809	9/16"	1/4"	6"	<b>\$3.29</b>
<b>485186</b>	88810	5/8"	1/4"	6"	<b>\$3.48</b>
<b>485187</b>	88811	11/16"	1/4"	6"	<b>\$3.48</b>
<b>485188</b>	88812	3/4"	1/4"	6"	<b>\$3.48</b>
<b>485189</b>	88813	13/16"	1/4"	6"	<b>\$3.62</b>
<b>485190</b>	88814	7/8"	1/4"	6"	<b>\$3.62</b>
<b>485191</b>	88815	15/16"	1/4"	6"	<b>\$3.85</b>
<b>485192</b>	88816	1"	1/4"	6"	<b>\$3.85</b>
<b>485194</b>	88818	1-1/8"	1/4"	6"	<b>\$5.28</b>
<b>485196</b>	88820	1-1/4"	1/4"	6"	<b>\$5.28</b>
<b>485198</b>	88822	1-3/8"	1/4"	6"	<b>\$5.28</b>
<b>485200</b>	88824	1-1/2"	1/4"	6"	<b>\$5.28</b>

**6" Spade Bits, 3-Piece Set Includes 1/2", 3/4" & 1", plastic roll.**

<b>461308</b>	88889		1/4"	6"	<b>\$12.50</b>
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**6" Spade Bits, 6-Piece Set Includes 3/8", 1/2", 5/8", 3/4", 7/8" & 1".**

<b>485201</b>	88886		1/4"	6"	<b>\$24.70</b>
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**6" Spade Bits, 6-Piece Set in Metal Rack Includes 3/8", 1/2", 5/8", 3/4", 7/8", 1" & metal rack.**

<b>485202</b>	88888		1/4"	6"	<b>\$24.20</b>
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**6" Spade Bits, 6-Piece Set w/extension Includes 3/8", 1/2", 5/8", 3/4", 1" & 6" ext., plastic roll.**

<b>461309</b>	88898		1/4"	6"	<b>\$33.40</b>
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**6" Spade Bits, 13-Piece Set Includes 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", plastic roll.**

<b>485203</b>	88894		1/4"	6"	<b>\$48.90</b>
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**13-Piece Spade Bit Set**

**Craftsman** HSS 1/4" shank bits.

**Includes** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" & metal storage rack.

Stk.	Mfr.	Price
<b>305725</b>	20919	<b>\$22.50</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

**31-Piece Fastener Drive Tool & Spade Bit Set**

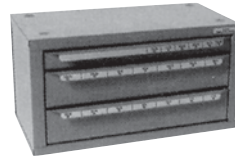


**Eazypower** Includes seven 2" power bits (2 ea. #'s 1, 2, 3), two 2" slotted bits (1 ea. 8-10 & 10-12), three 1" square recess bit (#2), six 2" square recess bits (2 ea. #1, 3 ea. #2, 1 ea. #3), four 1" Phillips bits (#2), six 6" spade bits (1 ea.

3/8", 1/2", 5/8", 3/4", 7/8", 1") plus, quick-change chuck, (2-1/2"), magnetic bit holder (2-1/4"), compact magnetic screw guide (3-1/6") & nylon case.

Stk.	Mfr.	Price
<b>619507</b>	3057031	<b>\$40.60</b>

**Drill Bit Dispenser Cabinets**



**Huot** Cost effective bit management & storage. The safest way to store sharp tools.

Easy-read permanent ID strips show tool size & decimal equivalents. Heavy-gauge steel cabinet & drawers w/baked epoxy finish. Stackable cabinet w/full drawer extensions & 1-piece slides.

Multi-compartment drawers hold full packages of each bit size (12-piece min., sizes 1/16 - 1/2 x 64ths).

14-5/8"L x 7-3/8"W x 7-3/4"H. 10-1/2 lbs.

**Cabinet Only**

Stk.	Mfr.	Price
<b>682718</b>	AP53-1	<b>\$113.00</b>

**Cabinet w/217 Bits** Cabinet filled w/Irwin No. 601- Fraction HSS Bits. For general use in metal, wood & plastic. Jobbers length straight shank.

118° standard point. **Includes** 24 ea. of 1/8", 3/16", 1/4", 12 ea. of 1/16", 5/64", 3/32", 7/64", 9/64", 5/32", 11/64", 13/64", 7/32", 15/64", 3 ea. of 3/8", 2 ea. of 1/764", 9/32", 5/16", 11/32", 13/32", 7/16", 1/2", 1 ea. of 19/64", 21/64", 23/64", 25/64", 27/64", 29/64", 15/32", 31/64".

Stk.	Mfr.	Price
<b>544849</b>	DBA	<b>\$359.00</b>

**Drill Bit Stand**

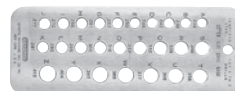


**Irwin** Industrial-quality drill stand holds 29 drill sizes.

5-3/4"L x 2-5/8"W x 1-3/4"H.

Stk.	Mfr.	Bit Size	Price
<b>463050</b>	60172	1/16"-1/2" by 64ths	<b>\$8.01</b>

**Drill Gauges**



**General** Made of tempered steel. Used to quickly and conveniently identify drill bit sizes. Hole sizes and decimal equivalents are permanently etched on the face.

Stk.	Mfr.	Bit Size	Price
<b>417134</b>	14	1/16" - 1/2"	<b>\$15.30</b>
<b>417201</b>	15	#1 - #60	<b>\$15.70</b>

**Tap & Drill Gauge**



**Starrett** See at a glance the correct size tap drill for any common size machine screw tap in "NF" or "NC" thread series and will leave the right amount of stock for approximately 65% full thread. Also shows the correct body size drill to use and provides 60 holes marked with the number size and decimal equivalent of the drill that fits each hole. Thoroughly tested for accuracy after hardening. Satin finish.

Tap size: 2 - 56 to 1/4 - 28. Drill gauge numbers 1 to 60. Range: tap drill 50 to 3, body drill 44 to 1/4. Tool size 5/64"T x 2-5/16"W x 6-1/4"L.

Stk.	Mfr.	Price
<b>874265</b>	185	<b>\$82.70</b>

### 3-Piece Drill Gauge Set



**Steelex** Steel plates have clear markings, precision stamped gauge holes and lists numbered (1-60), lettered (A-Z) and fractional (1/16"-1/2" by 1/64") sized drill bits.

**Includes** a tap drill/clearance drill reference chart.

Stk.	Mfr.	Price
<b>785750</b>	D4141	<b>\$11.50</b>

### Wire Cup Brushes



**Weiler** Constructed for perfect balance. Heat-treated high-carbon steel crimped wire.

Stk.	Mfr.	Dia.	Wire Size	Trim Length	Max. Speed (rpm)	Price
<b>969229</b>	13245	3"	.014-Med.	7/8"	14,000	<b>\$21.70</b>
<b>969230</b>	14016	4"	.0118-Med.	1-3/8"	9,000	<b>\$34.90</b>

### Wire End Brushes



**Weiler** Brush is permanently mounted on 1/4" steel stem. Balanced for vibration-free running. Heat treated high-carbon steel wire. Banding produces a controlled brush face by reducing brush flare.

Stk.	Mfr.	Dia.	Wire Size	Shank	Trim Length	Max. Speed (rpm)	Price
<b>969227</b>	10011	1"	.014-Med.	1/4"	7/8"	22,000	<b>\$12.10</b>
<b>969228</b>	10012	1"	.020-Coarse	1/4"	7/8"	22,000	<b>\$11.50</b>

### Wire Wheel Brushes



**Weiler** Narrow-face crimped wire wheel permanently mounted on 1/4" steel stem. Balanced for vibration-free running. Heat-treated high-carbon steel wire.

Stk.	Mfr.	Dia.	Wire Size	Shank	Trim Length	Max. Speed (rpm)	Price
<b>969231</b>	17617	3"	.008-Fine	1/4"	1"	20,000	<b>\$14.40</b>
<b>969232</b>	17615	3"	.014-Med.	1/4"	1"	20,000	<b>\$19.30</b>

### Drill Bit Grinding Attachment



**General** For all bit sharpening. Used against side of grinding wheel, not on the face edge. Adjustable for 5 standard bit angles. Will sharpen all bits from 1/8" to 3/4".

Stk.	Mfr.	Price
<b>419546</b>	825	<b>\$35.60</b>

### 5-Piece 1/4" Shank Rotary File Set



**Steelex** 1/4" shank wood rasps feature 5 different shoring profiles to remove wood quickly with aggressive cutting teeth.

**Includes** 5/8" ball, 5/8" cylindrical, 5/8" oval, 5/8" taper & 5/8" cone.

Stk.	Mfr.	Price
<b>785630</b>	D2257	<b>\$6.33</b>



### Spiral Screw Extractors & Sets

**Irwin** Easily extract broken studs, bolts, socket screws and fittings. Made of rugged, high-carbon steel. Aggressive left-hand spiral design for extra gripping power.

Stk.	Mfr.	Removes Screw Sizes	Price
<b>454518</b>	52401	3/32" - 5/32"	<b>\$2.17</b>
<b>454519</b>	52402	5/32" - 7/32"	<b>\$2.47</b>
<b>454586</b>	52403	7/32" - 9/32"	<b>\$2.58</b>
<b>454653</b>	52404	9/32" - 3/8"	<b>\$2.93</b>
<b>454720</b>	52405	3/8" - 5/8"	<b>\$3.89</b>
<b>454721</b>	52406	5/8" - 7/8"	<b>\$7.95</b>

**5-Piece Set** 5 screw extractors (#'s 52401 to 52405).

Stk.	Mfr.	Price
<b>462961</b>	53535	<b>\$14.90</b>

**6-Piece Set** 6 screw extractors (#'s 52401 to 52406).

Stk.	Mfr.	Price
<b>463028</b>	53545	<b>\$21.30</b>

**10-Piece Set** 5 cobalt drills (5/64", 7/64", 5/32", 1/4", 19/64") w/matching screw extractors (#'s 52401 to 52405) & vinyl pouch.

Stk.	Mfr.	Price
<b>452673</b>	11117	<b>\$38.80</b>



### 5-Piece Super Out Screw Extractor Set

**Lisle** Extremely strong set made of special hardened, shock-resistant tool steel. Works on left- and right-hand threads. Extractors cut their way straight into bolts, eliminating wedging or further tightening of frozen bolts and screws. Extracts 1/4" to 1/2" bolts and screws.

**Includes** 5 extractors (removes bolt sizes 1/4", 5/16", 3/8", 7/16", 1/2").

Stk.	Mfr.	Price
<b>503898</b>	62900	<b>\$17.60</b>

### Drill Grinder & Sharpener



**DAREx** Sharpens common point styles with ease. Accurately sharpen most common drills in under a minute.

- Cutting tools 1/8" - 3/4" dia.
- Manual operation

- Point angles sharpened 118°-140°
- Sharpens standard conic & split point bits
- 115V, 4.5 amp, 60hz, 3,450 RPM

Tool size 12" x 11" x 9". Tool weight 18 lbs.

**Includes** Borazon (CBN) wheel for HSS & cobalt sharpening.

Stk.	Mfr.	Price
<b>683060</b>	V390	<b>\$1,753.00</b>

### End Mill Sharpener/Grinder



**DAREx** This machine quickly sharpens a wide range of end mills. Renew end mills with up to 1" in diameter and 6" flute length and easily sharpen long flute end mills. The easy-pull handle allows precise control of the air-bearing spindle. Pull and rotate the spindle the full length of the end mill without hand re-positioning.

- Sharpens 3/16" to 1" shank dia.
  - Cutting tool dia.: 1/16" - 1" shank capacity, up to 2" flute dia.
  - Point angles sharpened: 2° fishtail on the end of the tool
  - Point styles sharpened: 2-, 3-, 4-, & 6-flute HSS, cobalt & carbide end mills
- 3.2 amps @ 115V, 1.6 amps @ 230V.  
Tool size 17.5" x 17" x 10.75". Tool weight 72 lbs.

**Includes** resin-bonded CBN sharpening wheel.

Stk.	Mfr.	Price
<b>683008</b>	E90	<b>\$3,778.00</b>



### Manual Drill Bit Grinder

**DAREx** Workhorse sharpener is expandable to meet a variety of sharpening needs. Sharpen a variety of drill sizes and styles manually with the advantages of a highly advanced manual drill and tool sharpener.

- Drill dia. 1/8" - 1 3/16"
  - Drill lengths unlimited max., 2" min.
  - Point angles sharpened 118°-150°
  - Sharpens standard conic & split point bits
- 2.5 amps @ 115V, 1.6 amps @ 230V 1/4 HP.  
Tool size 20" x 20" x 16". Tool weight: 68 lbs.

**Includes** borazon (CBN) for HSS & cobalt sharpening wheels.

Stk.	Mfr.	Price
<b>683065</b>	XT3000	<b>\$3,886.00</b>

### Automated Drill Grinder & Sharpener



**DAREx** Automated sharpening system increases productivity by controlled cycle times & pre-drill set up. Heavy-duty machine capable of sharpening all day.

- LCD screen displays 5 different languages
- Point angles sharpened 118°-150°

- Sharpens standard conic & split point bits
- Sharpens a variety of sizes & styles of drills, plus other tools
- Attachments can be interchanged in seconds
- 1-yr. mfr.'s warranty

2.5 amps @ 115V, 1.6 amps @ 230V. Tool size 20" x 20" x 16". Tool weight 68 lbs.

**Includes** controller/display & chuck.

Stk.	Mfr.	Price
<b>683066</b>	XT3000A	<b>\$4,966.00</b>

### Drill Bit Sharpener

**Drill Doctor** 3 easy steps to provide a precision-sharp drill bit: (1) chuck the bit (2) align the bit (3) sharpen the bit.

- Sharpen every drill bit 100's of times quickly, easily & professionally
- Sharpens HSS, carbide, TiN-coated, masonry & cobalt bits
- Powerful 110V, 20,000 rpm motor (Model SB is 14,000 rpm)
- EZ-align System™ for correct sharpening alignment
- Replaceable diamond sharpening wheel
- Eliminates jaw twisting on small bits
- Tool-grade, impact-resistant casing
- 3-yr. mfr.'s warranty
- Double insulated
- USA made

**Includes** 6' cord & instructional sharpening DVD.

### 350X Standard Bit Sharpener



**Drill Doctor** Features 118° point angle sharpening & replaceable diamond wheel.

Stk.	Mfr.	Price
<b>683000</b>	DD350X	<b>\$67.00</b>



### 500X Combination Bit Sharpener

**Drill Doctor** Features point splitting w/ Push-to-Stop design (to prevent over-splitting), sharpening for bits with 118° / 135° point angles & those up to 3/4", sturdy cast aluminum point angle shuttle & quick-change diamond wheel.

**\* Requires Large Bit Chuck, sold separately.**

Stk.	Mfr.	Price
<b>683001</b>	DD500X	<b>\$134.00</b>



### 750X Combination Bit Sharpener

**Drill Doctor** Features point splitting w/ Push-to-Stop design (to prevent over-splitting), sharpening for bits with 118° / 135° point angles & those up to 3/4", sturdy cast aluminum point angle shuttle & quick-change diamond wheel, plus custom sharpening of 115-140°

point angle bits & variable material take off (controls amount of bit material removed).

**Includes** molded case.

**\* Requires Large Bit Chuck, sold separately.**

Stk.	Mfr.	Price
<b>683002</b>	DD750X	<b>\$162.00</b>



### SB Twist & Spade Bit Sharpener

**Drill Doctor** Features spade bit sharpening from 1/4" to 1-1/2" (including spade bits w/spurs, screw point bits, spear point bits & screw cutter bits) using a 4,500 rpm industrial-grade profiled, vitrified wheel.

- Twist bit sharpening of 118° point angles
- Twist & masonry bit sharpening up to 1/2"
- Sharpening angle adjustable up to 7° of skew
- Long-lasting, replaceable profiled spade bit grinding wheel
- Replaceable diamond twist bit wheel

Stk.	Mfr.	Price
<b>683005</b>	DDSB	<b>\$135.00</b>

### Drill Doctor Accessories

#### Drill Doctor

**Large Bit Chuck** For sharpening drill bits 1/2" to 3/4" dia. For 500X & 750X.

Stk.	Mfr.	Price
<b>683004</b>	DA70100PF	<b>\$53.20</b>

**Sharpening Wheels** Replacement wheel for 3/32"-1/2" drill bits. 180-grit wheel w/3 layers of nickel/diamond plating provides 200 or more sharpenings. For 350X, 500X, 750X & SB.

Stk.	Mfr.	Price
<b>683003</b>	DA31320GF	<b>\$26.60</b>

**Spade Bit Grinding Wheel Set** Industrial-grade profiled, vitrified wheels. Includes coarse & fine (46 & 60 grit) wheels.

Stk.	Mfr.	Price
<b>683006</b>	DA60059GF	<b>\$13.00</b>

Installation Available  
for Equipment & Furniture.  
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# HOLE SAWS



## Multiple-blade Hole Saws

**Great Neck** Cuts through wood, pressed wood & plastic. Maximum cut depth 1-3/4". Cuts 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4" & 2-1/2" holes. 1/4" shank.

Stk.	Mfr.	Price
281171	HC7D	\$12.10



## Single-blade Hole Saws

**MORSE** Variable-pitch bi-metal hole saws feature a high speed M3 cutting edge with varying tooth sets and gullet depths (4-6 TPI).

Stk.	Mfr.	Dia.	Thread Size	Price
877948	AV09	9/16"	1/2-20	\$11.00
877949	AV10	5/8"	1/2-20	\$8.24
877950	AV11	11/16"	1/2-20	\$8.24
877951	AV12	3/4"	1/2-20	\$8.24
877952	AV13	13/16"	1/2-20	\$8.24
877953	AV14	7/8"	1/2-20	\$8.24
877954	AV15	15/16"	1/2-20	\$8.24
877955	AV16	1"	1/2-20	\$8.63
877956	AV17	1-1/16"	1/2-20	\$8.63
877957	AV18	1-1/8"	1/2-20	\$8.63
877958	AV19	1-3/16"	1/2-20	\$8.63
877959	AV20	1-1/4"	5/8-18	\$8.74
877960	AV21	1-5/16"	5/8-18	\$8.74
877961	AV22	1-3/8"	5/8-18	\$9.35
877962	AV23	1-7/16"	5/8-18	\$9.35
877963	AV24	1-1/2"	5/8-18	\$9.35
877964	AV25	1-9/16"	5/8-18	\$9.35
877965	AV26	1-5/8"	5/8-18	\$9.35
877966	AV27	1-11/16"	5/8-18	\$9.35
877967	AV28	1-3/4"	5/8-18	\$11.60
877968	AV29	1-13/16"	5/8-18	\$11.60
877969	AV30	1-7/8"	5/8-18	\$11.60
877970	AV32	2"	5/8-18	\$11.60
877971	AV34	2-1/8"	5/8-18	\$13.70
877972	AV36	2-1/4"	5/8-18	\$13.70
877973	AV38	2-3/8"	5/8-18	\$13.70
877974	AV40	2-1/2"	5/8-18	\$14.70
877975	AV42	2-5/8"	5/8-18	\$14.70
877976	AV44	2-3/4"	5/8-18	\$14.70
877977	AV46	2-7/8"	5/8-18	\$14.70
877978	AV48	3"	5/8-18	\$15.10
877979	AV50	3-1/8"	5/8-18	\$15.10
877980	AV52	3-1/4"	5/8-18	\$15.10
877981	AV54	3-3/8"	5/8-18	\$15.10
877982	AV56	3-1/2"	5/8-18	\$15.10
877983	AV58	3-5/8"	5/8-18	\$17.00
877984	AV60	3-3/4"	5/8-18	\$19.90
877985	AV62	3-7/8"	5/8-18	\$21.00
877986	AV64	4"	5/8-18	\$21.80
877987	AV68	4-1/4"	5/8-18	\$31.10
877988	AV72	4-1/2"	5/8-18	\$43.00



## Hole Saw Arbors

**MORSE** Heavy-duty, carbon steel arbors. For 1/4" high speed drills.

**Includes** arbors w/pilot drills.

Stk.	Mfr.	Thread	Chuck	Shank	Fits	Price
877991	M24K	1/2-20	1/4"	1/4" Round	9/16"-1-3/16"	\$6.60
877992	M45	5/8-18	1/2"	7/16" Hex	1-1/4"-2-3/8"	\$9.28
877993	M45P	5/8-18	1/2"	7/16" Hex	1-1/4"-6"	\$15.60

## Hole Saw Kits

**MORSE**



**Electrician's Kit** Pipe entrance sizes for pipe & conduit through 2" (7/8", 1-1/8", 1-3/8", 1-3/4", 2" & 2-1/2"), 2 arbors & case.

Stk.	Mfr.	Price
877945	AV02E	\$88.20

**Industrial Kit** 15 plumbing & electrical sizes for pipe & conduit through 4" arbors (3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 3", 3-1/4", 3-5/8", 3-3/4", 4-1/4" & 4-1/2"), 3 arbors, 1 extension (12") & case.

877947	AV06I	\$251.00
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**Maintenance Kit** Designed for plumbers, electricians, industrial and general purpose maintenance. **Includes** 9 plumbing & electrical sizes for pipe & conduit through 2" (3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4" & 2-1/2"), 3 arbors, 1 extension (12") & case.

877989	AV100	\$122.00
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**Master Electrician's Kit** Sizes for pipe & conduit through 4" (7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2", 3", 3-5/8", 4-1/8" & 4-1/2"), 3 arbors & case.

877944	AV08E	\$183.00
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**Plumber's Kit** Pipe tap sizes for pipe through 2" (3/4", 7/8", 1-1/8", 1-1/2", 1-3/4" & 2-1/4"), 2 arbors & case.

877946	AV04P	\$85.80
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## 14-Piece Master Hole Saw Kit

**DEWALT** Combines De-Walt's Plumber's, Electrician's & Door Lock Installation Kits. Hole saws are HSS double tooth (for strength & durability) & deep cut (for fast, effective cutting) w/thick-hardened packing plates (to prevent stripping & warping). Quick-change mandrels ensure quick, easy set-up.

**Includes** 3/4", 7/8", 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/4", 2-1/2", small & large quick change mandrel, replacement parts & molded case.

Stk.	Mfr.	Price
242830	DI80005	\$145.00



## 5-Piece Hole Saw Set

**Vermont American** For cutting wood, plastics and composite material up to 3/4" deep. Constructed of hardened and tempered steel with precision sharpened teeth for long life and smooth cuts. Designed to be used by plumbers, electrician's and general purpose maintenance.

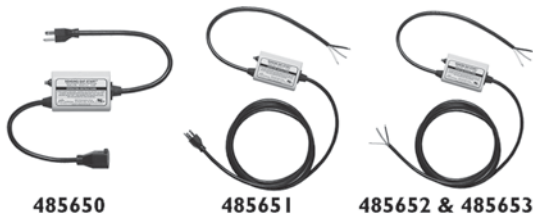
**Includes** 1-1/4", 1-1/2", 2", 2-1/8" & mandrel.

Stk.	Mfr.	Price
261920	18398	\$15.10

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## SAFETY CONTROLS



### Restart Safety Plugs

**JDS Products** The easy-to-install, inexpensive solution to anti-automatic restart safety, without the high cost of magnetic motor starters. The Sensing-Saf-Start® Plug prevents equipment restart following a power interruption, and will not allow a reset until the equipment switch has been turned off.

- Upgrades small machines to meet latest safety requirements
- Plugs into machine power cord & plug (Model 1996)
- Replaces old, frayed, ungrounded power cords (Models 1997, 98, 99)
- Complies w/latest OSHA & NFPA safety standards
- Offers electrical disconnect compliance by unplugging
- Installs in minutes on: drill presses, belt sanders, band saws, power hack-saws, cut-off machines, table saws, small lathes, small milling machines, scroll saws & tool grinders

**You must install any matching plugs on the power cord.**

**Model 1996** For 120V machines w/a good power cord & plug (when cord is not frayed & plug has a ground pin). **Includes** short extension-cord style, 14" cord on male plug end, 12" cord on female receptacle end.

Stk.	Mfr.	Volts	Amps	Price
<b>485650</b>	1996	120	15	<b>\$97.00</b>

**Model 1997** For all 120V machines w/an old cord &/or you want the reset button closer to the machine for easy access, but still plugged into a duplex-type outlet. Plug is on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord w/molded plug on power end.

Stk.	Mfr.	Volts	Amps	Price
<b>485651</b>	1997	120	15	<b>\$97.00</b>

**Model 1998** For 120V machines w/an old cord &/or you want to connect to a disconnect box, or install either a 20 amp or twisting lock-type plug on the cord. Sensing-Saf-Start housing is located close to the machine w/out a plug on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

Stk.	Mfr.	Volts	Amps	Price
<b>485652</b>	1998	120	18	<b>\$97.00</b>

**Model 1999** For 200-240V, single phase machines (3-wire). You must install any matching plugs on the power cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

Stk.	Mfr.	Volts	Amps	Price
<b>485653</b>	1999	200-240	15	<b>\$97.00</b>



### Magnetic Safety Switch

**General Intl.** For use on all types of stationary power tools. Extra-large 6" x 6-1/2" STOP panel for hands-free shut-off using knee, thigh, hip or elbow (depending on switch position).

Built-in circuit breaker cuts power to machine in case of power surge or power failure. Ultra-safe design requires 2-step restart procedure after any shut-off. Adaptable to fit on most existing switch mounting brackets or directly to machine cabinets (drilling may be required.) Equipped with removable lock-out safety key.

Ultra-safe design requires 2-step restart procedure after any shut-off. Adaptable to fit on most existing switch mounting brackets or directly to machine cabinets (drilling may be required.) Equipped with removable lock-out safety key.

Stk.	Mfr.	Volts	Phase	HP	Amps	Price
<b>420880</b>	85-110	110	1	1	8-11	<b>\$259.00</b>
<b>420881</b>	85-120	110	1	3/4	10-15	<b>\$259.00</b>
<b>420882</b>	85-125	110	1	1	11-14	<b>\$259.00</b>
<b>420883</b>	85-210	220	1	2-3	8-11	<b>\$259.00</b>
<b>420884</b>	85-215	208-230	1	1-1/2	8-11	<b>\$259.00</b>
<b>420885</b>	85-225	220	1	2-3	14-17	<b>\$259.00</b>
<b>420886</b>	85-230	220	3	2	4.5-6.5	<b>\$259.00</b>
<b>420887</b>	85-240	208-230	1	3	10-15	<b>\$259.00</b>
<b>420888</b>	85-245	220	1	3	14-17	<b>\$259.00</b>
<b>420889</b>	85-255	220	3	5	11-14	<b>\$259.00</b>



### iVac Switch Box

**BCTINT** iVac (Intelligent Vacuum) increases work shop cleanliness and safety by eliminating the distraction of turning dust collection system (DCS) on and off while operating potentially dangerous power tools. Easy-to-use unit features a 3-position switch (auto, on & off).

- Auto Mode starts DCS system when power tool is activated
- On Mode keeps DCS on for easy end-of-job cleanup
- Off Mode causes DCS to be off
- Turn on delay (0.5 to 2.0 sec.) avoids dual power surges from DCS & power tools being activated simultaneously
- Turn off delay (6 sec.) clears any remaining airborne debris
- 2 input power cords accommodate situations when large tools & DCS require more than the standard 15 amp AC outlet (each cord has built-in circuit breaker protection)
- Extends DCS life since it isn't inadvertently left on when not needed
- Compact, lightweight unit is easily wall mounted

**ETL Safety Approval. Conforms to UL STD 244A & CSA STDC22.2 No. 14.**

Stk.	Mfr.	Price
<b>529500</b>	SB-NA	<b>\$55.70</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

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## DRILL PRESSES



### 8" Benchtop Drill Press

**Rikon** 8" benchtop drill press is perfect for storage and transporting.

- Induction motor provides plenty of power for drilling
- Stepped pulleys give multiple spindle speed choices
- Adjustable depth stop for repeatable drilling
- Heavy cast iron base & head assembly

- Table tilts & moves up or down along column for best positioning
- Front on/off push button switch w/removable safety tab for extra security
- Mfr.'s 5-yr. warranty

Chuck size 1/2". Drilling capacity 1/2". 5 spindle speeds 620-3,100 rpm. Table size 6-5/8" x 6-3/8". Weight 32 lbs.

**Includes** chuck key, holder & speed selection chart.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>694170</b>	30-100	120	1/3	1	<b>\$188.00</b>



### 10" Bench Drill Press w/Laser

**SKIL** Features 2-beam laser, adjustable depth stop and keyed chuck to achieve consistent and accurate results when drilling.

- VS gearing for different material types
- 0-45° tilting work surface for precise drilling
- Bump-off switch for added safety

Chuck size 1/2". Drilling capacity 2-3/8". 5 spindle speeds 570-3,050 rpm. Table size 7-5/8" x 7-5/8".

**Includes** cast iron base & work table, 2AA batteries & chuck key.

Stk.	Mfr.	Volts	Phase	Price
<b>260298</b>	3320-01	120	1	<b>\$168.00</b>



### 11" Micromot Bench Drill Press

**Proxxon** Drill micro holes to 1/64" with extremely high rotation accuracy (1-3/16" feed). Optimal power transmission belt drive (3 speeds). Powerful motor built into stable die-cast head offers quiet operation and long life.

- Adjustable parallel fence w/scale
- Solid, hard-chromed steel column

- 3 high-quality ball bearing assemblies free spindle of play, is recessed for the insertion of steel collets, plus threaded for attaching drill chucks with 3/8" thread

- High-quality machined table of ribbed die-cast aluminum
- 3-step aluminum pulleys & flat belt provide 3 spindle speeds
- Chrome feed lever w/adjustable drilling depth gauge
- Clamp lever adjustments for thick coarse headstock height

Drilling capacity 1/4" dia. Chuck size 2-3/8". Column 3/4" dia., 11"H.

Spindle travel 1-3/16". 3 spindle speeds 1,800-8,500 rpm.

Table work surface 4-3/4"W x 8-1/2"D.

Tool size 5-1/2"L x 9-1/2"W x 14"H. Tool weight 8.5 lbs.

**Includes** 6 triple slit steel collets 1/32", 1/16", 5/64", 3/32", 7/64" & 1/8".

Stk.	Mfr.	Volts	HP	Phase	Price
<b>303004</b>	38128	120	1/10	1	<b>\$332.00</b>

### Chuck 1/64"-1/4"

<b>303005</b>	28122				<b>\$20.70</b>
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### 12" Bench Drill Press

**JET** 1/3 HP induction motor pushes through almost anything. 3-1/8" spindle travel for maximum depth cutting. X-shaped Xacta™ Laser ensures drilling accuracy. Stable 11-1/2" x 16-1/2" cast iron base allows for easy re-positioning on work bench and fits neatly on work benches w/limited space.

- Mechanical VS drive for easy speed changes

- Digital readout displays spindle speed for different drilling jobs
- LED worklight increases visibility for intricate applications
- Large paddle switch provides easy shut off & lockout protection
- Clear linear scale w/depth stop for consistent drilling depths
- Retractable roller extension provides support & quick workpiece adjustment
- Quality industrial 5/8" drill chuck
- Oversized, ergonomic knobs
- 3-yr. mfr.'s warranty

Drilling capacity 5/8" dia. Chuck size 5/8". Spindle taper MT-2.

Column 2-1/2" dia. Spindle travel 3-1/8". VS spindle speeds 530-3,100 rpm.

Table work surface 9-1/2"W (16-1/2"W w/extension) x 9-1/2"D.

Tool size 28.9"L x 20"W x 11.1"H. Tool weight 88.2 lbs.

**Includes** chuck w/key, drift key & hex wrenches.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486110</b>	JDP-12	115	1/3	1	<b>\$462.00</b>



### 13" Drill Press

**Rikon** 13" benchtop drill press features sturdy cast iron base, 16 spindle speed settings, a larger keyed chuck for bigger diameter drills and a cast iron round table that swivels as well as tilts.

- Induction motor provides plenty of power for drilling
- Adjustable depth stop for repeatable drilling

- Cast iron head assembly for reliable service
- 3-wing cast iron feed handle provides excellent control when drilling
- Front on/off push button switch w/removable safety tab for extra security
- Thick metal column for strong, rigid support
- Mfr.'s 5-yr. warranty

Drilling capacity 5/8" dia. Chuck size 5/8". Taper JT3. Column 2-7/8" dia.

Spindle travel 3-1/8". 16 spindle speeds 220-3,600 rpm.

Table work surface 11-3/16" dia., tilts 45°, rotates 360°.

Tool size 10-1/2" x 17-3/4" at base, 42"H. Tool weight 102 lbs.

**Includes** chuck key, holder & speed selection chart.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>694190</b>	30-120	120	1/2	1	<b>\$453.00</b>



### 14" Bench Drill Press

**General Intl.** Industrial 1/2 HP, 12-speed motor features spindle speeds of 280 to 3,000 rpm. Spindle is supported by high-quality ball bearings, and cast iron pulleys reduce vibration.

- Rotating, 45° tilting, crank-operated worktable w/quick-release clamp
- Large, front-mounted safety switch w/lock-out
- Adjustable spindle tension-return spring
- Built-in lamp illuminates the drilling area

- Heavy-duty positive depth stop for quick adjustment

Drilling capacity 5/8" dia. Chuck size 5/8". Taper MT-2.

Column 2-7/8" dia. Spindle travel 3-1/8". 12 spindle speeds 280-3,000 rpm.

Table work surface 11-3/8" dia., tilt 45° R&L.

Tool size 10" x 16-7/8" at base, 46-1/2"H. Tool weight 105 lbs.

**Includes** chuck & key, worklight (bulb not included), depth stop & manual.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>420780</b>	75-030M1	110	1/2	1	<b>\$622.00</b>



### 15" Bench Drill Press

**J E T** Hinged metal belt and pulley cover coupled with quick adjustment motor mount allows rapid changing of 16 spindle speeds.

- On/off switch located on front of drill press head for safety
- Rotating 45° tilting, crank-operated worktable
- Adjustable tension spindle return spring
- Spindle supported by high-quality ball bearings
- Depth stop displays inch/mm & features quick-set bolt
- Slotted X patterned worktable w/rear mounting fence grooves
- Limited lifetime mfr.'s warranty

Drilling capacity 5/8" dia. Chuck size 5/8". Taper MT-2/JT-33. Column 2-7/8" dia. Spindle travel 3-1/8". 16 spindle speeds 200-3,630 rpm. Table work surface 16" x 13", tilt 45° R&L. Tool size 11" x 20-3/8" at base, 39-1/2"H. Tool weight 150 lbs.

**Includes** drill chuck & key, built-in worklight (40 watt appliance bulb not included), depth stop & manual.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485760</b>	JDP-15M	115/230	3/4	1	<b>\$621.00</b>



### 15" 6-Speed Drill Press

**J E T** Sturdy construction provides a solid base for a wide range of spindle speed drilling.

- Larger quill for greater accuracy
- Large production worktable provides room to work & support for the job
- 3" column for head support, quill is also supported to lessen deflection

Drilling capacity in steel 1/2" dia., in cast iron 5/8" dia. Chuck size 1/2". Taper MT-2. Column 3" dia. Spindle travel 6". 6 spindle speeds 375-5,000 rpm. Table work surface 12-1/2" x 14-1/2". Production table 15-1/4" x 17-3/4". Tool size 8-1/2" x 12" at base. Overall size 30" x 20" x 71"H. Weight 396 lbs.

**Includes** slotted base & production table, heavy-duty spindle & quill assembly, locking safety collars & key chuck.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485689</b>	J-A3816	115/230	1	1	<b>\$1,758.00</b>



### 15" 16-Speed Drill Press

**J E T** Hinged-metal belt and pulley cover coupled with quick adjustment motor mount allows rapid spindle speed changes. Features rotating, ±45° tilt crank worktable with rear fence mounting grooves.

- Spindle w/adjustable tension return spring is supported by high-quality ball bearings
- External depth stop displays inch/mm
- TEFC motor • On/off switch up front for operator safety
- Mfr.'s limited lifetime warranty

Drilling capacity 5/8" dia. Chuck size 5/8". Taper MT-2/JT-33. Column 2-7/8" dia. Spindle travel 3-1/8". 16 spindle speeds 200-3,630 rpm. Table work surface 16" x 13", tilt 45°. Tool size 11" x 20-3/8" at base. Tool weight 180 lbs.

**Includes** drill chuck & key, external depth stop, industrial push-button switch, built-in worklight (40 watt appliance bulb not included) & manual.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485761</b>	JDP-15MF	115/230	3/4	1	<b>\$672.00</b>



### 15" Variable Speed Drill Press

**J E T** Hand wheel adjustment sets spindle speeds. Large 2-1/4" quill allows greater accuracy. Accurate depth stop for precise hole depths.

- 3" column dia. for maximum head support
- Full bearing support on quill for maximum spindle stiffness
- 6" stroke for deep hole applications

Drilling capacity in steel 1/2" dia., in cast iron 5/8" dia. Chuck size 1/2". Taper MT-2. Column 3" dia. Spindle travel 6".

Spindle speeds 400-5,000 rpm. Table work surface 12-1/2" x 14-1/2". Tool size 21-1/4" x 14-1/4" at base, 67-1/2" H. Tool weight 436 lbs.

**Includes** t-slot base, t-slot work table, heavy-duty spindle & quill assembly, safety collar & 1/2" chuck w/arbor, LED display, on/off switch, depth stop, table raiser, speed setting hand wheel & large quill.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>981706</b>	J-A5816	115/230	1	1	<b>\$2,295.00</b>



### 17" Drill Press

**General Intl.** Industrial 3/4 HP, 12-speed motor features spindle speeds of 340 to 2,800 rpm. Spindle is supported by high-quality ball bearings and cast iron pulleys reduce vibration. Built-in worklight.

- Rotating, 45° tilting, crank-operated worktable w/quick-release clamp
- Large, front-mounted safety switch w/lock-out
- Adjustable spindle tension-return spring
- Heavy-duty positive depth stop for quick adjustment

Drilling capacity 3/4" dia. Chuck size 5/8". Taper MT-2. Column 3-1/8" dia. Spindle travel 3-1/4". 12 spindle speeds 340-2,800 rpm. Table work surface 12" x 12", tilt 45° R&L. Tool size 11-3/4" x 19-5/8" at base, 64-1/2"H & 200 lbs.

**Includes** chuck & key, worklight (bulb not included), depth stop & manual.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>420790</b>	75-200RCM1	110	3/4	1	<b>\$867.00</b>



### 17" 16-Speed Drill Press

**J E T** From a full 5" of spindle travel to the sturdy cast iron head and poly V-belt drive system, this drill press is designed to perform. Features a built-in LED work light to provide direct lighting while reducing shadows. Large work table provides plenty of support with an edge designed for easy clamping.

- 14" x 19" precision ground work table features twin T-slot grooves & 4 table slots
- One-handed belt tensioning allows for rapid speed changes
- Power switch features a safety key & large, paddle-style off button
- Integrated depth stop makes repetitive drilling easy
- Xacta-X laser system easily identifies drill center
- Replaceable MDF table insert
- Mfr.'s 5-yr. limited warranty

Drilling capacity 5/8" dia. Chuck 5/8". Column 3-5/32" dia. Spindle travel 5". 16 spindle speeds 210-3,500 rpm. Table work surface 14" x 19", tilt 90° R&L. Tool size 20" x 12-5/8" at base. Tool weight 187 lbs.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486130</b>	JDP-17	115	3/4	1	<b>\$902.00</b>





### 18" Variable Speed Drill Press

**POWERMATIC** Twin LED lights won't cast shadows on workpiece and provide a consistent drilling cross point. Mechanical VS allows for full range of speed with no belt changes.

- 6" of quill travel w/one revolution of the handle
- Fence system adjusts for a perfect 90° relationship to the table, for rapid alignment of stock
- Digital RPM readout to optimize spindle speed
- Laser guides provide accurate indication for drill
- Adjustable material stop makes repetitive actions accurate & quick
- Replaceable table insert w/leveling screws make it flush w/table top
- Keyless chuck makes bit changes easier
- Work table can be rotated to a full 90° position
- Reversible handles can be mounted on either side
- Oversize cast iron base for stability
- Safety key prevents accidental starting
- 5-year mfr.'s warranty

Chuck size 5/8". Taper MT-2/JT-3. Column 3-1/8" dia. Spindle travel 6". Variable speed 250-3,000 RPM. Table work surface 20"L x 14"W, tilt 0-90°. Tool size 8"L x 20-1/4"W x 71"H. Tool weight 246 lbs.

**Includes** drift key, 2 worklights, fence & manual.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>656689</b>	1792800B	115/230	1	1	<b>\$1,588.00</b>



### 18" Drill Press

**DELTA** VS push-button drill press motor provides power for demanding drilling operations. Full 6" quill stroke capacity for drilling variety.

- Auto-tensioning belt drive allows fast, easy speed changes while maximizing transmission efficiency w/consistent belt tension & motor alignment
- Large table bevels R&L, tilts forward & features clamping T-slots, plus removable center insert for through drilling
- Micro-adjustable depth stops & independent depth scale allow quick zeroing of the scale & set up for repetitive drilling
- Adjustable twin laser projects red crosshair on workpiece to indicate location of bit contact
- Flexible LED light
- Large base for stability

Chuck size 5/8". Taper MT-2. Column 3.14" dia. Spindle travel 6". 16-speed 170-3,000. Table work surface 20" x 14", w/90° tilt R&L, 0-48° forward. Tool size 20"L x 28"W x 70"H. Tool weight 240 lbs.

**Includes** light, 5/8" chuck, twin laser, 6 Allen wrenches (2.5, 3, 4, 5, 6 & 8 mm), drift key & manual.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>704900</b>	18-900L	120	3/4	1	<b>\$1,302.00</b>



### Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>

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### 20" Drill Press

**J E T** Hinged-metal belt and pulley cover coupled with quick-adjust motor mount allow rapid spindle speed changes.

- Rotating, 45° tilting, crank-operated worktable w/quick release clamp
- 1/2" dia. external positive depth stop w/3-nut locking feature for quick adjustment
- Adjustable tension spindle return spring
- Ball bearing spindle
- Built-in worklight
- 2-yr. mfr.'s warranty

Hole dia. in steel & cast iron 1". Chuck size 3/4". Taper MT-3. Column 3-3/8" dia. Spindle travel 4-5/8". 12 spindle speeds 150-4,200. Table work surface 18-5/8" x 16-1/8", tilt 45° R&L. Tool size 13-5/8" x 22-3/8" at base, 67"H. Weight 293 lbs.

**Includes** chuck & key, crank-operated cast iron rotating tilting table, depth stop, worklight (60W bulb not included) & manual.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486005</b>	JDP-20MF	115/230	1-1/2	1	<b>\$1,215.00</b>



### 20" Electronic VS Drill Press

**J E T** The latest AC inverter variable speed technology. Variable spindle speeds with high torque at all speeds both forward and reverse.

- Continuous speed adjustment while in operation
- Front mounted LED spindle rpm readout
- Forward & reverse for tapping
- Emergency stop
- Front mounted positive control depth stop
- Large precision ground T-slot production table
- Massive head provides rigidity & accuracy

Hole dia. in steel 1-3/8", in cast iron 1-1/2". Chuck size 1/2". Taper MT-3. Column 4-1/2" dia. Spindle travel 6". Spindle speeds 65-2,000 rpm. Table work surface 18-1/8" x 14-3/4". Production table 22" x 18-3/4". Tool size 27" x 37" at base, 82-1/4"H. Tool weight 792 lbs.

**Includes** slotted base & production table, heavy-duty spindle & quill assembly & locking safety collars.

**Requires drill chuck & arbor, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>981702</b>	J-2232AC	220	2	3	<b>\$5,022.00</b>

### Chuck Arbor

<b>486050</b>	DCA-33				<b>\$27.90</b>
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### 5/8" Drill Chuck

<b>486051</b>	TDC-625				<b>\$59.60</b>
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### Tool Table & Universal Stand

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top. Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>

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 Outstanding Customer Service for over 100 years!



### 22" Drill Press

**General Intl.** Industrial 12-speed motor features spindle speeds of 120 to 2,270 rpm. Spindle is supported by high-quality ball bearings, and cast iron pulleys reduce vibration.

- Rotating, 45° tilting, crank-operated worktable w/quick-release clamp
  - Large, front-mounted safety switch w/lock-out
  - Adjustable spindle tension-return spring
  - Built-in lamp illuminates the drilling area
  - Heavy-duty positive depth stop for quick adjustment
- Drilling capacity 1-1/4" dia. Chuck size 3/4". Taper MT-4.  
Column 3-5/8" dia. Spindle travel 4-1/2". 12 spindle speeds 120-2,270 rpm.  
Table work surface 18-1/2" x 16-1/8", tilt 45° R&L.  
Tool size 19-1/2" x 22-1/2" at base, 68-3/4"H. Tool weight 372 lbs.

**Includes** chuck & key, worklight (*bulb not included*), depth stop & manual.

**Please specify voltage. 110V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>420800</b>	75-500MI	110/220	1	1	<b>\$1,465.00</b>



### Forstner Bits

**Steelex** Forstner bits make extremely smooth and clean flat-bottom holes in all kinds of wood. Cuts through any grain pattern, even knots. For use with drill presses.

Stk.	Mfr.	Size	Shank	Price
<b>785810</b>	D1001	1/4"	3/8"	<b>\$4.05</b>
<b>785811</b>	D1002	3/8"	3/8"	<b>\$4.19</b>
<b>785812</b>	D1003	1/2"	3/8"	<b>\$5.13</b>
<b>785813</b>	D1004	5/8"	3/8"	<b>\$5.94</b>
<b>785814</b>	D1005	3/4"	3/8"	<b>\$6.65</b>
<b>785815</b>	D1006	7/8"	3/8"	<b>\$7.16</b>

### Saw-Toothed

Stk.	Mfr.	Size	Shank	Price
<b>785816</b>	D1007	1"	3/8"	<b>\$7.56</b>
<b>785817</b>	D1008	1-1/8"	3/8"	<b>\$8.51</b>
<b>785818</b>	D1009	1-1/4"	3/8"	<b>\$9.72</b>
<b>785819</b>	D1010	1-3/8"	3/8"	<b>\$11.30</b>
<b>785820</b>	D1011	1-1/2"	3/8"	<b>\$12.10</b>
<b>785825</b>	D1015	2"	3/8"	<b>\$17.10</b>
<b>785830</b>	D1020	2-1/2"	1/2"	<b>\$31.70</b>
<b>785835</b>	D1024	3"	1/2"	<b>\$41.80</b>



### 25-Piece Sanding Drum Kit

**DELTA**

**Includes** case plus

- 2" & 1-1/2" dia. x 1-1/2" & 1", plus 3/4" dia. x 1" sanding drums with 1/4" shank
- 1/2" dia. x 1/2" sanding drum with 1/8" shank
- 2 each 80 grit medium & 120 grit fine aluminum oxide sleeves to fit drums

Stk.	Mfr.	Price
<b>704861</b>	17-940	<b>\$39.60</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### Mortising Attachment Kit

**DELTA** Improve accuracy when cutting square holes for various sized mortise & tenon joints. Kit connects to drill in minutes w/out tools. Easy-use hold-down provides better clamping for exacting cuts. Special alignment gauge for fast, accurate set-up, prolonged tool life. Large, cast iron fence assembly supports thick or tall workpiece. 4" capacity under hold-down, 2-3/4" capacity ends of clamp rods to fence.

Fits drill press w/quill dia. of 66 mm, 50.8 mm, 48 mm & 38 mm (*Delta drill press models 11-980, 11-990, 14-070 & 17-900; radial drill press model 11-090 & Sears drill press models 21313, 21315 & 21317*).

**Includes** mortising attachment, 4 mortising chisels (1/4" x 1/4", 5/16" x 5/16", 3/8" x 3/8", 1/2" x 1/2"), 4 bits & case.

Stk.	Mfr.	Price
<b>704840</b>	17-924	<b>\$156.00</b>

### Mortising Chisel & Bit Set

**DELTA** Production-type steel chisels. Each unit provides 1 mortising chisel & its coordinating bit.

Stk.	Mfr.	Size	Shank	Price
<b>704810</b>	17-001	1/4"	5/8" dia.	<b>\$24.00</b>
<b>704811</b>	17-002	5/16"	5/8" dia.	<b>\$24.00</b>
<b>704812</b>	17-003	3/8"	5/8" dia.	<b>\$24.00</b>
<b>704813</b>	17-004	1/2"	5/8" dia.	<b>\$24.00</b>

**4-Piece Set Includes** 1/4", 5/16", 3/8" & 1/2".

Stk.	Mfr.	Price
<b>704814</b>	17-005	<b>\$102.00</b>



### Drill Press Guard

**DELTA** Biesemeyer drill press safety shield mounts to any drill press w/a column diameter from 1-1/2" to 3-1/16".

Stk.	Mfr.	Price
<b>704890</b>	17-985	<b>\$50.00</b>



### Drill Press Chuck Guards

**General Intl.** Designed to meet the most stringent safety requirements. Sturdy cast aluminum body & impact resistant windows. Spring loaded flip-up design allows for quick drill bit changes without interference.

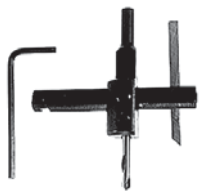
Stk.	Mfr.	Size	Fits	Price
<b>420802</b>	70-152	52mm	34-01, 34-02, 34-10, 34-111, 34-121	<b>\$189.00</b>
<b>420803</b>	70-155	55mm	75-025, 75-030, 75-125, 75-150, 75-160, 75-550	<b>\$189.00</b>
<b>420804</b>	70-165	65mm	75-100, 75-200	<b>\$189.00</b>
<b>420805</b>	70-175	75mm	75-260, 75-500, 75-700	<b>\$189.00</b>



### Drill Press Vise Clamps

**Steelex** Adjusts quickly & easily to lock workpiece in any position. Clamping pad pivots to conform to any workpiece, ensuring uniform pressure.

Stk.	Mfr.	Jaw Capacity	Length	Price
<b>785619</b>	D2192	3" x 3"	10"	<b>\$20.90</b>
<b>785638</b>	D2493	4" x 5"	12"	<b>\$24.20</b>



### Circle Cutters

**General** Replaceable high speed steel blades, maximum safe speed 500 rpm.

Stk.	Mfr.	Shank	Circles	Price
<b>417000</b>	4	3/8" Rd. & 5/8" Sq.	7/8" to 4"	<b>\$16.30</b>
<b>417067</b>	5B	3/8" Rd.	1" to 6"	<b>\$22.60</b>
<b>417469</b>	55	1/2" Rd.	1-3/4" to 8"	<b>\$33.60</b>



### Ejecting Drifts

**Jacobs** Eject Morse tapers from sleeves, sockets & machine spindles. Hardened & tempered.

Stk.	Mfr.	Sleeve Size	Length	Price
<b>219950</b>	30485	1 & 2	5-5/8"	<b>\$14.10</b>
<b>219951</b>	30486	3 & 4	7-1/2"	<b>\$15.80</b>



### 24" Chrome Bracket Mount Key-Bak®

**Key-Bak** Protect students and meet safety regulations with the retractable Key-Bak by mounting the chuck key to the drill press. Secure pocket-watch-size retractor to any flat surface using its metal bracket attachment. The textured-chrome case houses a 24" stainless steel chain allowing key or tool use at arm's length and at any angle without detachment. The precision-made Key-Bak has a lifetime service policy.

**Large Swivel** Without split ring for larger items.

Stk.	Mfr.	Price
<b>494000</b>	7LSC	<b>\$15.10</b>

**Small Swivel** 1-1/8" split ring for holding small tools, instruments, etc.

Stk.	Mfr.	Price
<b>494002</b>	7	<b>\$14.10</b>



### Morse Taper Drill Sleeves

**Production Tool Supply** For taper shanks. Case hardened throughout. Ground internally & externally.

Stk.	Mfr.	Hole	Shank	Price
<b>682750</b>	GT51-012	MT-1	MT-2	<b>\$8.78</b>
<b>682752</b>	GT51-013	MT-1	MT-3	<b>\$11.50</b>
<b>682754</b>	GT51-023	MT-2	MT-3	<b>\$11.50</b>



### Drill Press Laser Pointer

**General Intl.** Battery-operated laser pointer equipped with 2 independently adjustable opposing laser line markers. Unit mounts to a variety of bench-top and stationary drill presses

**Includes** 2-3/4", 2-7/8", 3-1/8" & 3-5/8" mounting collars.

**Requires two 1.5V AAA batteries, sold separately.**

Stk.	Mfr.	Price
<b>420807</b>	70-300	<b>\$34.40</b>



### Magnetic Work Light

**DELTA** Powerful magnetic base adheres to any steel surface to provide extra light in hard-to-reach areas. Flexible 14" arm may be positioned in a variety of ways. Extra-long 8' cord. Uses up to 40-watt track light bulb (not included).

Stk.	Mfr.	Price
<b>724371</b>	25-870	<b>\$45.60</b>



### LED Work Light

**General Intl.** Magnetic base sticks to any steel surface. 150 lumen LED light w/10" gooseneck. 10 oz.

**Includes** 3AA batteries.

Stk.	Mfr.	Price
<b>420838</b>	99-250	<b>\$78.40</b>



### Quick Release Vise

**Shop Fox** Simple push rod and cam lever action securely locks and holds workpiece in place for tremendous holding power. Low profiles reduce lost drilling capacity and clamping ears make set-up fast and easy. Heavy cast iron construction.

Stk.	Mfr.	Jaw Capacity	Price
<b>785705</b>	D3265	3-5/8"	<b>\$63.00</b>



### Drill Press Vise

**DELTA** 4" Quick-Release vise provides safe, accurate drilling. Cast iron construction. Quick-release trigger allows instant release of workpiece. Built-in groove holds dowels & other round materials. Thru-holes for mounting auxiliary fence to protect workpiece.

Fits Delta models 11-090, 11-950, 11-980, 11-990, 14-070 & 17-900.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Jaw Depth	Price
<b>705706</b>	20-622	4"	4"	3/4"	<b>\$36.30</b>



### Angle Vise

**Shop Fox** Angle vise offers 90° adjustment from horizontal to vertical with easy-read scale & indexing pin set for every 15°. Dovetailed trunnions w/lock handle ensure stability. Precision-cut Acme threads & polished guide rod ensure accuracy.

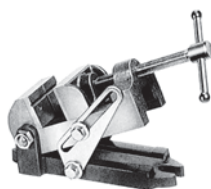
Stk.	Mfr.	Jaw Width	Jaw Capacity	Jaw Depth	Price
<b>785658</b>	D2933	4-1/8"	3-3/4"	2-3/4"	<b>\$79.80</b>



### Continuous Nut Drill Press Vises

**Wilton** Made from high-grade cast iron. Ground vise bed for smooth, consistent jaw movement. Hardened top V-groove jaws. Rugged design & large workload capacity.

Stk.	Mfr.	Jaw Width	Jaw Capacity	Jaw Depth	Price
<b>979500</b>	1335	3"	2-3/4"	1-7/8"	<b>\$106.00</b>
<b>979502</b>	1360	5"	5"	2-1/8"	<b>\$210.00</b>



### Drill Press Vises

**Wilton** Precision grinding of sides & front side face permit additional mounting positions for drilling, tapping or reaming. Combines smooth movable jaw plate w/cross-patterned 90° V-groove stationary jaw. Great for general use.

### Angle Vise

Stk.	Mfr.	Jaw Width	Jaw Capacity	Jaw Depth	Price
<b>979090</b>	25A	2-1/2"	2-1/2"	1-1/2"	<b>\$105.00</b>
<b>979100</b>	30A	3-1/8"	3-1/8"	1-3/4"	<b>\$144.00</b>

### Standard Vise

Stk.	Mfr.	Jaw Width	Jaw Capacity	Jaw Depth	Price
<b>979089</b>	25	2-1/2"	2-9/16"	1-1/2"	<b>\$96.20</b>
<b>979099</b>	30	3"	3-1/8"	1-3/4"	<b>\$113.00</b>

## HOLLOW CHISEL MORTISERS



### Bench Top Mortise Machine

**J E T** 1/2 HP, TEFC motor delivers solid performance and trouble-free operation. Heavy-duty cast iron and steel construction will provide years of durability and stability. Rack-and-pinion head raising and lowering allows for positive drilling control- long, multi-position splines allow for repositioning of feed handle and ease of operation.

- 3-jaw drill chuck w/extended chuck key for ease of positive grip on bit
- Removable safety toggle switch prevents accidental turn-on
- 2-hinged side doors for drill chuck access
- 2-yr. mfr.'s warranty

Chuck size 3/8". Chisel stroke 4-3/4". Chisel to fence 3-1/2".

Under hold-down 4". Fence size 1-9/16" x 12-1/2".

Tool size 7-5/8"L x 12-3/16"W. Tool weight 44 lbs.

Stk.	Mfr.	Volts	HP	Phase	Spindle Speed (rpm)	Price
<b>485818</b>	JBM-5	115	1/2	1	1,725	<b>\$450.00</b>



### 1/2 HP Mortiser

**DELTA** 1/2 HP, 1 phase, induction motor. Large cast iron base with center through hole. Adjustable rack-and-pinion fence and rack with hold-down and pinion head raising and lowering.

- Adjustable dovetail way on mortising head
- Gas-filled head stabilizer
- Mortising head column can be turned 180° & re-mounted for off-table mortising
- Chuck key/hex wrench for bit & chisel changing
- Easy, open access to drill chuck for bit changing
- Height attachment adds 1-3/4" capacity to head
- Multi-position feed lever
- Adj. depth stop

Chuck size 3/8". Chisel stroke 5". Chisel to fence 3-3/4".

Under hold-down 3-3/4". Table work surface 13-1/2"L x 16-1/4"W.

Fence 2-15/16" x 13-5/8". Tool 13-1/2"L x 16-1/4"W x 30"H. Weight 55 lbs.

**Includes** chuck & key, 4 mortising chisels & bits (1/4" x 1/4", 5/16" x 5/16", 3/8" x 3/8", 1/2" x 1/2"), tool & chisel holder, riser block & manual.

Stk.	Mfr.	Volts	HP	Phase	Spindle Speed (rpm)	Price
<b>699620</b>	14-651	120	1/2	1	1,725	<b>\$419.00</b>



### Hollow Chisel Mortiser

**General Intl.** 1,720 rpm, 1/2 HP TEFC motor with start capacitor for smooth start-up and longer life. Heavy-duty cast iron head, column and base built for steady, vibration-free performance.

- Head slides on precision, cast iron dovetail ways
- Gas head cylinder controls stroke
- Easy-adjust dual-depth stop controls up/down stroke
- Large feed handle (left or right mount feed handle) w/multi-position arm increases leverage & control
- Non-marking rubber table rollers hold workpiece firmly to fence
- Dust-protected on/off switch
- 1/4" to 5/8" chisel capacity

Chuck size 1/2". Chisel stroke 5". Chisel to fence 4".

Table size 14-1/4" x 11-1/8" w/ extensions 35".

Fence size 2-15/16" x 11-3/8". Overall height 24-3/8". Weight 99 lbs.

**Includes** mortising chisel & bit set (70-910), tool holder.

Stk.	Mfr.	Volts	HP	Phase	Spindle Speed (rpm)	Price
<b>420781</b>	75-040M1	110	1/2	1	1,720	<b>\$777.00</b>



### 3/4 HP Mortiser

**POWERMATIC** Mortiser features an in-line depth stop to allow stops at pre-set depths without racking the bit to the base. Heavy-duty handle can be moved from 1 side to the other without special tools. Rack-&-pinion system fence adjustments.

- 5" double-locking stock hold-down eliminates slippage when removing chisel from workpiece
- Fence's quick-action cam lock for easy positioning
- Hinged chuck door w/magnetic catch for easy access to drill chuck w/key
- 5-yr. mfr.'s warranty

Chuck size 1/2". Chisel stroke 5-1/2". Chisel to fence 4-3/8".

Under hold-down 4". Table work surface 16-5/16" x 13-3/4".

Fence 2-5/8" x 12-1/2". Tool 13-3/4"L x 16-5/16"W x 27"H. Weight 93 lbs.

**Includes** 3/4" chisel bushing, hold-down, chuck extension adapter, chuck w/key & handle.

Stk.	Mfr.	Volts	HP	Phase	Spindle Speed (rpm)	Price
<b>656672</b>	1791310	115	3/4	1	1,725	<b>\$598.00</b>



### 1 HP Hollow Chisel Mortiser

**POWERMATIC** Heavy-duty cast iron construction and powerful 1 HP motor for demanding jobs. The head is mounted using adjustable gibs for years of trouble-free service.

- Heavy rack-&-pinion gear system w/spring loaded 6-position adjustable handle
- Depth & length stops provide uniform finish
- Large work support table adjusts from 0° to 35° R&L, front to back
- Adjustable linear stops & flip down stop provide precision repeatability
- Quick adjust clamp secures workpiece & will swivel for angled pieces
- Heavy enclosed stand w/storage shelf

Chuck size 1/2". Chisel size 1/4" to 3/4". Chisel shank size 5/8", 3/4", 1-1/8".

Chisel stroke 6". Chisel to fence 4". Table size 10" x 20".

Table movement: longways 15-1/2", crossways 4".

Base 14" x 16". Tool size 21-1/4"L x 21-5/8"W x 61"H.

Tool weight 277 lbs. (shipping).

**Includes** work stop, depth & length stops, drill bit adapter, quick release vise, chuck extension adapter, chuck key, wood table & enclosed stand.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Spindle Speed (rpm)	Price
<b>656636</b>	1791264K	115/230	1	1	1,725	<b>\$1,500.00</b>

### Premium Mortise Chisel & Bit **POWERMATIC**

Stk.	Mfr.	Size	Shank	Price
<b>656560</b>	1791091	1/4"	5/8" x 1-1/4"	<b>\$51.00</b>
<b>656561</b>	1791092	5/16"	5/8" x 1-1/4"	<b>\$52.70</b>
<b>656562</b>	1791093	3/8"	5/8" x 1-1/4"	<b>\$56.10</b>
<b>656563</b>	1791094	1/2"	5/8" x 1-1/4"	<b>\$69.70</b>
<b>656564</b>	1791095	3/4"	5/8" x 1-1/4"	<b>\$109.00</b>

**4-Piece Set Includes** 1/4" to 1/2".

Stk.	Mfr.	Size	Shank	Price
<b>656565</b>	1791096			<b>\$228.00</b>

### 1/2" Chuck & Key **POWERMATIC**

Stk.	Mfr.	Price
<b>676790</b>	6294245	<b>\$72.70</b>

## BAND SAWS



### 6" Wood-cutting Micro-Band Saw

**Proxxon** High performance small blade cuts very small radii, and is very unlikely to break - even with prolonged use. Alternately set, individually sharpened N-form teeth provide oscillation-free clean cuts requiring little to no hand finishing. Solid ribbed die-cast aluminum housing with sturdy machined table & miter gauge slot.

- Table tilts for miter cut accuracy
- Electronically-controlled speeds allow accurate cuts w/out finishing
- Low noise, high-quality motor w/toothed belt for quiet & long use
- On-tool informational table w/recommended cutting speeds in all materials

Blade size 42"L x 13/64" x 1/64". Capacity 5-29/32"W x 2-5/32"H.  
Table 7-7/8" x 8-11/16", tilt 0-45°.

Tool size 14"L x 10"W x 21"H. Tool weight 16 lbs.

**Includes** 14 TPI blade, miter gauge slot, dust port adapter.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>303006</b>	37172	120	1/8	1	395/820	<b>\$474.00</b>

**Micro Band Saw Blades Proxxon** Swedish steel blade is extremely efficient and very unlikely to break, even with prolonged use. Alternatively set, individually sharpened N-form teeth provide oscillation-free operation. Straight, clean cuts without subsequent finishing. Use for wood, plastics and non-ferrous metals. Fits Proxxon Micro Band Saw.

Stk.	Mfr.	Width	Length	Thickness	TPI	Price
<b>303007</b>	28174	13/64"	3' 6" (42")	1/64"	24	<b>\$23.90</b>
<b>303008</b>	28176	13/64"	3' 6" (42")	1/64"	14	<b>\$23.90</b>



### 9" Band Saw w/Light

**SKIL** The laser cutline guide, LED worklight and EZ view blade tracking help you make accurate, precise cuts.

- Dust port
- Rack & pinion table adjustment for quick angle & height adjustments
- Bump-off switch for added safety
- Mfr.'s 3-yr. limited warranty

Blade size 59-1/2"L x 1/8" to 3/8"W. Tool weight 31.3 lbs.

**Includes** 6 TPI blade, miter gauge & rip fence.

Stk.	Mfr.	Volts	Phase	Price
<b>260290</b>	3386-01	120	1	<b>\$185.00</b>



### 10" Bench Band Saw

**Rikon**

- 4-5/8" re-saw capacity
- Edge facing thrust bearings
- Large cast iron table
- Balanced cast aluminum wheels
- Precision guide bearings
- 2-1/2" dust port
- 3/8" x 5/8" miter gauge slot

- Safety on/off switch
- Mfr.'s 5-yr. warranty

Blade 70-1/2"L x 1/8"- 1/2"W. Capacity 9-5/8"W x 4-5/8"H.

Table 13-3/4"W x 12-1/2"D x 14-1/2"H, tilt 0-45°R.

Tool size 21"W x 15-1/4"D x 33-1/4"H. Tool weight 68 lbs.

**Includes** 2"H fence.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>694120</b>	10-305	110	1/3	1	2,780	<b>\$357.00</b>



### 10" Wood-cutting Bench Band Saw

**JET** 1/2 HP induction motor for various cutting applications. Quick release blade tension, upper and lower ball bearing blade guides and adjustable LED worklight.

- Steel stand transitions from bench to floor
- Reinforced steel base bolts to stand or bench
- Poly-V drive system maximizes power transfer from motor to blade & reduces vibration

- Extra-large, tilting cast iron table w/retractable extension wing
- Magnifying cursor on measurement scale
- Rack & pinion blade guide w/locking knob
- Sturdy, 1-piece welded frame
- Blade sight window to view blade tracking
- Oversized, ergo knobs
- Aluminum extruded fence
- 3-yr. mfr.'s warranty

Blade size 67-1/2"L x 1/2" to 1/8"W. Capacity 9-5/8"W x 4-1/8"H.

Table 13-3/8" (19" w/ extension) x 13-1/8". Head tilt 0-45°L.

Tool size 34.6"L x 17.7"W x 14.6"H. Tool weight 70.4 lbs.

**Includes** miter gauge, stand & hardware w/bag.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>486111</b>	JWBS-10OS	115	1/2	1	2,750	<b>\$462.00</b>



**485738**

**485737**

### 14" Wood-cutting Band Saws

**JET** Graphite-impregnated polymer blade guide Blocks® provide quicker set-up and cooler running blade. Upper blade guide micro-adjustments reduces friction.

- Quick-connect motor-to-switch plug for easy set-up
- V-groove blade guide bar for consistent & positive alignment
- Extra-large cast iron worktable is offset for more work area in front of the blade

- 2" built-in dust chute connection
- All motors TEFC for long life
- Push-button controls

Blade size 93-1/2"L x 1/8" to 3/4"W. Capacity 13-1/2"W x 6"H.

**Includes** upper blade guide, blade guide bar, Jet Blocks® in blade guides, table, 3/4"W woodworking blade (6 TPI) & dust port.

**Please specify voltage. 115V will be shipped unless specified.**

**Enclosed Stand** Welded, rigid 1-piece unit. Table height 43-1/2".

Tool size 26"W x 19"D x 68"H. Tool weight 185 lbs.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>485737</b>	JWBS-14CS	115/230	1	1	3,000	<b>\$914.00</b>

**Open Stand** Wide stance 16 ga. steel stand. Table height 44".

Tool size 34"W x 20"D x 68"H. Tool weight 172 lbs.

<b>485738</b>	JWBS-14OS	115/230	3/4	1	3,000	<b>\$830.00</b>
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#### Rip Fence Assembly

<b>485755</b>	JRF-14R					<b>\$165.00</b>
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#### Miter Gauge Assembly

<b>485735</b>	JMG-14					<b>\$74.10</b>
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**Standard Universal Mobile Base** 18" sq. to 24" sq., 600 lb. capacity. 1/2" clearance.

<b>486113</b>	JMB-UMB					<b>\$114.00</b>
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### 14" Band Saw

**Laguna** Features pyramid shaped spine, 1-3/4 HP TEFC motor, quick release tension, 115V outlet and micro polished 21" x 16" table mounted onto oversized trunnion paired with aluminum hi/low fence. Solid cast wheels are fitted with polyurethane 1-piece tires designed to run cooler & last longer than conventional tires.

- Hand wheel conveniently mounted under upper cabinet
- Innovative table insert forces dust into 4" dust port
- Ultra smooth worm gear-driven rack & pinion
- Minimum flex in guide post even when fully extended
- Flat poly-groove drive belt
- Massive adjustable lower wheel shaft
- Dual windows display tracking & tension information

Blade size 115" x 1/8" to 3/4"W. Capacity 13-5/8"W x 12"H. Table size 21-1/2" x 16" x 38"H. Tool size 70-1/4"H. Tool weight 258 lbs.

**Includes** fence.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>502090</b>	MBAND1412-175	115	1-3/4	1	<b>\$1,196.00</b>

**Pro Light Laguna** 50W halogen worklight designed for use with the Laguna Band Saw Mfr. 1412. Fully adjustable, floods table with bright, low-glare light. Independent on/off, operates without saw being turned on.

Stk.	Mfr.	Price
<b>502091</b>	MBA14/12	<b>\$122.00</b>



### 14" Wood/Metal-cutting Band Saws

**JET** Variable speed drive system offers 1,725 rpm to effectively cut wood, plastic, bakelite, composites, ferrous and nonferrous metals.

- Performs straight & contour cuts, plus resawing
- Solid, stable 1-piece steel base
- Conveniently located on/off switch

Blade size 92-1/2"L x 3/8"W.  
Blade speed: metal 39, 57, 78, 107, 142, 196 & 278, wood 3,300. fpm

Capacity 13-1/2"W x 6"H. Table 15-1/8" x 15-3/8", tilt 45°R & 10°L. Tool size 16"L x 20"W x 68"H. Tool weight 280 lbs.

**Includes** miter gauge, dust port, blade & table.

**Power cord & plug supplied w/1 phase only.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>961513</b>	J-8201K	115	1	1	39-3,300	<b>\$1,680.00</b>
<b>961514</b>	J-8203K	220/440	1	3	39-3,300	<b>\$1,680.00</b>

961514|Please specify voltage. 220V will be sent if not specified.

**“ Do you have a specific purchasing process? ”**

Sarah Cruz ext. 3120  
scruz@midwesttechnology.com



### 14" Steel Frame Band Saw

**DELTA** Heavy-duty steel frame reduces flexing and heavy duty trunnion table support for durability.

- Durable aluminum, rubber-coated upper & lower wheels are balanced for superior blade tracking
- 2-speed pulley w/easy tensioning system
- Oversized cast iron table w/t-slot miter capability
- Large insert for visibility when setting lower guide
- Dust brush on lower wheel keeps blade clean
- Conveniently located on/off switch w/lock-off key
- Poly V-belt drive for consistent power transfer
- Smooth ball bearing upper & lower guides secure blade & ensure superior blade accuracy & performance
- Knob design on upper & lower doors helps prevent injury
- 4" dust port
- 5-yr. mfr.'s warranty

Blade size 93-1/2"L x 1/8"-3/4"W. Capacity 13-5/8"W x 6"H. Table 15-3/4" x 18-7/8" x 40-3/4"H, tilt 45°R & 3°L. Tool size 19"L x 27"W x 65-1/2"H. Tool weight 165 lbs.

**Includes** 4" dust port, steel stand & wood-cutting blade.

**Please specify voltage. 115V will be shipped unless specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>725578</b>	28-400	115/230	1	1	1,620/3,340	<b>\$783.00</b>



### 14" Wood-cutting Band Saw

**General Intl.** 1 HP motor offers 2 cutting speeds for excellent results in hard and soft wood. Deluxe 2-position extruded-aluminum rip fence is ideal for ripping thin stock and resawing taller workpieces.

- Cast iron frame & precision-balanced aluminum wheels w/replaceable rubber tires
- 1-piece, welded enclosed stand
- Precision metal miter gauge w/handle
- Hinged door gives access to blade tensioning knob for fast blade changes or adjustments
- Quick-release blade tension lever
- Deluxe blade guide bearings
- 2-1/2" dust port
- Quick-connect motor-to-switch for easy set-up

Blade size 93-1/2"L x 3/4"W. Capacity 13-1/2"W x 6"H. Table 16" x 16" x 42-3/4"H, tilt 45°R & 10°L. Tool size 15-3/4"L x 18-5/8"W x 68"H. Tool weight 224 lbs.

**Includes** enclosed stand, 3/8" band saw blade, precision miter gauge, blade guide bearings, 2-position rip fence, cast iron table, dust port, manual.

**Please specify voltage. 120V will be shipped unless specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>420830</b>	90-125M1	120/240	1	1	1,800/3,000	<b>\$1,465.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### 14" 1-1/2 HP Wood-cutting Band Saw

**POWERMATIC** Poly V-belt reduces noise and vibration. Built-in chip blower removes dust and chips while cutting. Extra large cast iron table with T-slot miter gauge for more work area in front of table.

- Quick-release precision T-square rip fence
- 9-spoke cast iron wheels are balanced & equipped w/ PU tires
- Direct-reading scale for exact tensioning for various blade widths

- Easy-to-use quick-change blade

Blade size 93-1/2"L x 3/4"W. Capacity 13-1/2"W x 6"H.

Table 15" x 15" x 44"H, tilt 45°R & 10°L. Extension table 15"L x 5"W.

Tool size 20"L x 34"W x 68"H. Tool weight 266 lbs.

**Includes** adjustable miter gauge, precision T-style rip fence, 1/8" band saw blade, large cast iron table, quick-change blade system, dual micro-adjustable bearing blade guides, 60 watt halogen work lamp, 4" dust port, push-button on/off switch.

**Please specify voltage. 115V will be shipped unless specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>656604</b>	1791216K	115/230	1-1/2	1	3,000	<b>\$1,426.00</b>



### 15" Band Saw

**POWERMATIC** Packs many features traditionally found on larger band saws and brings them to a new, category-redefining, 15" size.

- 14-1/2" throat & 14" of resaw provide more capacity than a 14" band saw
- Sturdy cast iron table & trunnion assembly offers maximum rigidity for heavy work pieces
- T-square style Accu-Fence maximizes accuracy & safety w/adjustability for aligning to blade & squaring to table

- Positive locking cam w/pressure adjustment
- Oversized side plate can be used in horizontal or vertical position
- Solid steel resaw pin for optimum rigidity
- Blade tension release w/electrical interlock prevents band saw from starting when blade is de-tensioned or released
- Heavy duty upper wheel support & tracking mechanism for smooth operation
- Solid cast iron upper & lower wheels create momentum needed for heavy resaw
- High end blade guides w/tool-less adjustment provide stability
- 4-sided blade guard for optimum protection
- Integrated foot brake stops coasting blade
- 4" dia. dust port
- Magnetic switch protects motor
- 5-year mfr.'s warranty

Blade size 153"L x 1/8" to 1"W. Capacity 14"W.

Table size 21-1/2"L x 16"W x 40"H, tilt 45°R & 10°L.

**Includes** fence assembly w/aluminum fence plate, miter gauge, resaw pin & handle.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>656674</b>	1791500	230	3	1	3,100	<b>\$3,289.00</b>



### 16" Wood-cutting Band Saw

**J E T** 10" depth resaw capacity for cutting large pieces of wood, slicing veneers and cutting book-matched panels. European-style blade guides keep blade aligned for accurate cuts.

- Rack-&-pinion blade guide height adjustment for accurate incremental fine tuning
- Direct-reading scale selects blade tension for widths up to 1-1/4"
- Large cast iron table
- Precision-computer balanced wheels eliminate vibration for accurate blade tracking
- Dual locking cabinet doors allow access to blade
- 4" dia. dust port
- 5-yr. mfr.'s warranty

Blade size 123"L x 1/8" to 1-1/4"W. Capacity 16-3/8"W x 10"H.

Table 17" x 17" x 37-1/2"H, tilt 45°R & 10°L.

Positive fence stops 90° & 45°R. Tool size 22"L x 30-3/4"W x 71"H.

Tool weight 310 lbs.

**Includes** universal blade, 2 knobs, hex wrench, handle, 10/12mm wrench, blade guide & height adjustment, blade tensioning scale, dual tapered support column, cast iron feet & 4" dust port.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>485846</b>	JWBS-16B	115/230	1-1/2	1	3,000	<b>\$1,740.00</b>



### 17" Wood-cutting Band Saw

**General Intl.** 2 HP motor offers 2 cutting speeds for excellent results in hard and soft woods. Precision-machined, dynamically-balanced, rubber laminated, cast iron wheels for smooth, vibration-free operation.

- Solid, high-quality, precision-machined, ribbed cast iron tilting table
- Removable aluminum height measuring scale
- Easy tuning blade tension wheel w/blade tracking window
- Wide blade selection (1/8" to 1")
- Quick-release blade tension lever
- Heavy-duty table support
- Aluminum rip fence w/easy-read magnifying scale
- Deluxe blade guide bearings
- Laser line marker
- Two 4" dust ports

Blade size 131-5/8"L x 1/8" to 1"W. Capacity 16"W x 11"H.

Table 17" x 23-1/2" x 37-3/8"H, tilt 45°R & 10°L.

Tool size 18"L x 27"W x 73-1/2"H. Tool weight 407 lbs.

**Includes** band saw blade, precision miter gauge, height measuring scale, laser line marker, rip fence w/magnifying scale, blade guide bearings, cast iron table, 2 dust ports & manual.

**Please specify voltage. 110V will be shipped unless specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>420832</b>	90-240M1	110/220	2	1	1,560/3,190	<b>\$2,713.00</b>

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### 18" Band Saw

**JET** Dual-tapered, 1-piece steel support column provides excellent rigidity. 12-1/4" resaw capacity for cutting large pieces of wood, slicing veneers and cutting book matched panels.

- Precision computer-balanced wheels eliminate vibration for accurate blade tracking
- Quick-release blade tensioning w/3 settings
- Upper & lower ball bearing, micro-adjustable blade guides support cuts of various sized wood

- 8-spoke band wheels computer balanced to spin true w/out vibration
- Dual locking cabinet doors allow blade access
- Tool-free, independently adjustable ball bearing guide system
- Rigid, heavy-duty guide post w/rack & pinion adjustment
- Cast iron handwheels make smooth, easy blade adjustments
- Blade tracking window & light-colored tire provide clear view of blade
- Blade tension scale allows precise blade tensioning
- I-knob tracking adjustment simplifies the blade tracking process
- Precision-ground cast iron table
  - 5-yr. mfr.'s warranty

Blade size 137"L x 1/8" to 1-1/2"W. Capacity 18-3/8"W x 12-1/4"H.

Table 19" x 19" x 37-1/2"H, tilt 45°R & 10°L.

Positive fence stops 90° & 45°R. Tool size 22"L x 33"W x 71"H.

Tool weight 410 lbs. (JWBS-18QT), 420 lbs. (JWBS-18QT-3).

**Includes** miter gauge, large cast iron tilting table, adjustable ball bearing blade guides, blade tracking adjustment window, blade tensioning scale, 4" dust port, quick-release precision T-style rip fence w/resaw post & 3/4"W blade (4 tpi).

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
486114	JWBS-18QT	115/230	1-3/4	1	3,000	\$2,024.00
486115	JWBS-18QT-3	230	3	1	3,000	\$2,198.00

486114|Please specify voltage. 115V will be shipped if not specified.



### 18" Band Saws

**POWERMATIC** Heavy-duty 5 HP motor provides power for all projects. Sturdy cast iron table and trunnion assembly offers maximum rigidity for large work pieces. Convenient foot brake makes it possible for rapid stops.

- T-Square style AccuFence® maximizes accuracy & safety
- Accu-Fence has complete adjustability for aligning to blade & squaring to table
- Positive locking cam w/pressure adjustment

- Oversized side plate can be used in horizontal or vertical position
- Solid steel resaw post for optimum rigidity
- Blade tension release w/electrical interlock prevents band saw from starting when blade is de-tensioned
- Heavy-duty upper wheel support & tracking mechanism for smooth operation
- Solid cast iron upper & lower wheels create momentum needed for heavy resawing
- High-end blade guides w/toolless adjustment provide stability, increasing cut accuracy
  - 4-sided blade guard for optimum protection
- Magnetic switch protects motor from harm due to potential electrical supply issues
  - Mfr.'s 5-yr. warranty

Blade size 160"L x 1/8" to 1-1/2"W. Capacity 18"W x 18"H.

Table 24"L x 27"W x 38"H, tilt 45°R & 10°L.

Tool size 39-1/2"W x 42"D x 81-1/2"H. Tool weight 840 lbs.

**Includes** AccuFence®, miter gauge & 3/4" blade.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
656690	1791800B	230	5	1	2,300/4,400	\$5,670.00
656691	1791801B	230/460	5	3	2,300/4,400	\$5,670.00

656691|460V requires magnetic switch, sold separately.



### 20" Band Saws

**JET** 12-1/4" resaw capacity for cutting large pieces of wood, slicing veneers and cutting book-matched panels. Precision-ground cast iron table adds stability and work support. Precision computer-balanced wheels eliminate vibration for accurate blade tracking.

- Upper & lower ball bearing, micro-adjustable blade guides for proper support during the cut of different size boards

- Tool-free, independently adjustable ball bearing guide system for quick, easy adjustments
- 8-spoke band wheels computer balanced to spin true w/out vibration
- Cast iron handwheels make smooth and easy blade adjustments
- Dual-tapered, 1-piece steel support column
- Dual-locking cabinet doors allow easy blade access
- I-knob blade tracking adjustment simplifies the process
- Quick-release, precision T-square style rip fence w/resaw post
- Rigid, heavy-duty guide post w/rack & pinion adjustment for blade support
- 5-yr. mfr.'s warranty
- Extra-large, stable cast trunnion
  - Precision blade tension scale
- 2-speed poly V-belt drive
  - Foot brake for rapid stops

Blade size 150"L x 1/8" to 1-1/2"W. Capacity 20"W x 12-1/4"H.

Table 21" x 21" x 36-1/8"H, tilt 45°R & 10°L.

Tool size 22"L x 30-3/4"W x 75"H. Tool weight 550 lbs.

**Includes** miter gauge, large cast iron tilting table, adjustable roller bearing blade guides, blade tensioning scale, 4" dust port, quick-release precision T-style rip fence w/resaw post & 3/4"W saw blade (4 tpi).

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
486116	JWBS-20QT-3	230	3	1	2,000/3,000	\$3,297.00
486117	JWBS-20QT-5	230	5	1	2,000/3,000	\$3,587.00



### 20" Wood-cutting Band Saws

#### POWERMATIC

Heavy-duty 5 HP motor provides power needed for all projects. Cast iron table and trunnion assembly offers maximum rigidity for large work pieces. Exclusive T-square style Accu-Fence® maximizes accuracy and safety, plus offers complete adjustability for aligning to blade and squaring to table

- Positive locking cam w/pressure adjustment
- Oversized side plate can be used in horizontal or vertical position

- Solid steel resaw post for optimum rigidity
- Blade tension release w/electrical interlock prevents band saw from starting when blade is de-tensioned
- Heavy-duty upper wheel support & tracking mechanism for smooth operation
- Solid cast iron upper & lower wheels create momentum needed for heavy resawing
- High-end blade guides w/toolless adjustment provide stability, increasing cut accuracy
  - 4-sided blade guard for optimum protection
- Magnetic switch protects motor from harm due to potential electrical supply issues
  - Integrated foot brake stops coasting blade
- Mfr.'s 5-yr. warranty

Blade size 170"L x 1/4" to 1-1/2"W. Capacity 20"W x 18"H.

Table 24"L x 27"W x 36"H, tilt 45°R & 10°L.

Tool size 41-1/2"W x 42"D x 81-1/2"H. Weight 860 lbs.

**Includes** AccuFence, miter gauge, 4" dust port & 3/4" blade.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
656692	1791257B	230	5	1	2,300/4,400	\$6,006.00
656693	1791258B	230/460	5	1	2,300/4,400	\$6,006.00

656693|460V requires magnetic switch, sold separately.





## 22" Deluxe Heavy-duty Wood-cutting Band Saw

**General Intl.** Heavy-duty, 1-piece steel frame designed for added stability. Powerful, 5 amp TEFC industrial motor. Upper and lower dual Bakelite™ block and 7-bearing, deluxe blade guide system offers 10 points of contact.

- Laser-line marker
- Dynamically-balanced cast-iron wheels w/replaceable rubber tires, mounted on heavy-duty bearings
- Solid ribbed cast-iron table w/heavy-duty, 1-piece trunnion & 0-45° right tilt for bevel cuts
- Blade tension adjustment handwheel w/tension scale
- Safety foot brake slows blade down & disconnects electrical circuit
- Cast-iron miter gauge & dual miter slots in table for stable cross cuts on either side of the blade
- Excalibur band saw rip fence system w/curved guide block & 6" wooden resaw auxiliary fence
- Short cut-off feed device keeps fingers away from the blade

Blade size 171-1/4"L x 1/4" to 1-1/4"W. Capacity 21-5/8"W x 16-5/16"H. Table 30" x 22-3/4" x 35-1/4"H, tilt 45°R.

Tool size 19-5/8"L x 38-1/2"W at base. Tool weight 825 lbs.

**Includes** 3/4" blade, cast iron tilting table, block & deluxe blade guide system, miter gauge & Excalibur rip fence w/curved guide block & on-board storage, resaw auxiliary fence, magnetic safety switch w/lock-out switch key, laser-line marker & two 4" dust ports.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>420837</b>	90-380MI	220	5	1	4,590	<b>\$5,887.00</b>



## 24" Wood-cutting Band Saws

**POWERMATIC** Heavy-duty 5 HP motor provides power needed for all projects. Sturdy cast iron table and trunnion assembly offers maximum rigidity for large work pieces. Convenient foot brake makes it possible for rapid stops.

- Positive locking cam w/pressure adjustment
- Solid steel resaw post for optimum rigidity
- 4-sided blade guard for optimum protection
- T-Square style AccuFence® maximizes accuracy & safety
- Accu-Fence has complete adjustability for aligning to blade & squaring to table
- Oversized side plate can be used in horizontal or vertical position
- Blade tension release w/electrical interlock prevents band saw from starting when blade is de-tensioned
- Heavy-duty upper wheel support & tracking mechanism for smooth operation
- Solid cast iron upper & lower wheels create momentum needed for heavy resawing
- High-end blade guides w/toolless adjustment provide stability, increasing cut accuracy
- Magnetic switch protects motor from harm due to potential electrical supply issues
  - Mfr.'s 5-yr. warranty

Blade size 183"L x 1/4" to 1-1/2"W. Capacity 24"W x 15"H.

Table 24"L x 34"W x 35"H, tilt 45°R & 10°L.

Tool size 44"W x 42"D x 81-1/2"H. Tool weight 974 lbs.

**Includes** AccuFence®, miter gauge & 1" blade.

Stk.	Mfr.	Volts	HP	Phase	Speed (fpm)	Price
<b>656694</b>	1791259B	230	5	1	2,500/4,800	<b>\$6,552.00</b>
<b>656695</b>	1791260B	230/460	5	3	2,500/4,800	<b>\$6,552.00</b>

656695|460V requires magnetic switch, sold separately.



## Micro-Precision Guide

**Carter** Provides precise control of the band saw blade using Teflon® side support blocks. Hardened sintered steel blocks are vacuum impregnated w/ Teflon material for reduced friction & cooler running blades. Teflon acts as a dry-film lubricant to reduce wear & increase life. Back support is provided by double-sealed ball bearing encased in a precision-ground hardened steel wear ring. Features vernier adjustment of the side blocks & complete flexibility of configuration. Guide may be set up on the right- or left-hand for convenient control location.

Blade sizes 1/8" to 3/4". Blade speed to 5,000 fpm on 14" to 20" dia. machines. Overall size 3"W x 1-7/8"D x 2-1/4"H. Arbor 7/16" dia.

Stk.	Mfr.	Price
<b>291740</b>	CP30A	<b>\$120.00</b>

## Guide Conversion Kits

**Carter** Ball bearing guides w/custom mounting brackets specially designed for 14" band saws. Complete, bolt-on packages easily upgrade saw's performance to all-ball bearing.

**Includes** upper & lower assemblies, upper & lower mounting studs, upper & lower mounting adapter blocks & all hardware.

Stk.	Mfr.	Item	Price
<b>291742</b>	DEL14	For Delta	<b>\$222.00</b>
<b>291744</b>	JET14	For Jet	<b>\$222.00</b>
<b>291755</b>	UNVI	For Powermatic PWB5-14CS	<b>\$222.00</b>

## Rubber Band Saw Tires

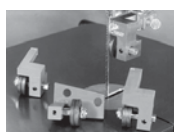
**Carter** Adhesive attachment type tires made of 100% natural rubber, each tire is 15% to 20% undersized to ensure perfect fit.

Stk.	Mfr.	Size	Price
<b>291730</b>	TP-14	14"	<b>\$33.60</b>
<b>291733</b>	TP-20	20"	<b>\$46.40</b>

## Tire Adhesive

**Carter** Rubber & gasket adhesive.

Stk.	Mfr.	Size	Price
<b>291720</b>	4799	5 oz. tube	<b>\$32.00</b>



## Band Saw Stabilizer

**Carter** Revolutionary stabilizer provides support for blades up to 1/4"W on a wide variety of band saws. Rugged, compact unit easily installs in place of current upper guide side support blocks to offer the benefits of ball-bearing support for more consistent cutting w/ cooler blades. Special grooved support bearing gives full support to blade's rear edge, preventing it from moving backwards or sideways. The blade's front edge is free to flex into the cut. For 14" Delta & Jet band saws.

**Please specify Delta or Jet.**

Stk.	Mfr.	Price
<b>291750</b>	STD1	<b>\$99.20</b>



## Quick Release™

**Carter** Instantly relieve tension to prevent damage to the tire & prolong blade & saw life. Pre-tensions blade slightly during blade change for easier adjustment. Durable solid steel construction gives 3-position control (*full release, partial tension for blade position adjustment & full tension*). Allows fine tuning of blade tension. Installs quickly w/included hardware & manual. For 14" Delta & Jet band saws. **Please specify Delta or Jet.**

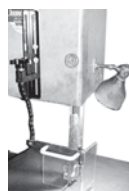
Stk.	Mfr.	Price
<b>291745</b>	QRI	<b>\$198.00</b>

**Band Saw Table Insert****DELTA** Aluminum insert.

Stk.	Mfr.	Price
<b>766940</b>	426-02-063-0001S	<b>\$34.40</b>

**Band Saw Tires****DELTA**

Stk.	Mfr.	Item	Price
<b>766952</b>	905145	14"	<b>\$36.10</b>
<b>767072</b>	426-04-094-5002	20" Snap-Lok	<b>\$248.00</b>

**Visorguard™ Blade Guard**

**Flexbar** Provides complete protection between cutting blade & operator's hands & eyes. Easy-position handle. Adjustable tension 9"L flexbar arm permits correct setting of guard for each set-up. Drill & tap 2 holes to install. L-shaped Lexan shield is 6"H x 6"W x 4"D & fits most band saws with 18" maximum throat height. Includes vertical angle mounting bracket w/11" of height adjustment, mounting screws w/self-locking nuts.

Stk.	Mfr.	Price
<b>408710</b>	13464	<b>\$210.00</b>

**Brett-Guard® Band Saw Guards**

**HTC Products** Adds safety & visibility with a built-in light to illuminate cut line & work area. Guard mounts at an angle to prevent interference with saw guide components & adjusts according to depth of cut. Clear plexi-shield can also be adjusted independently.

Stk.	Mfr.	Item	Price
<b>476491</b>	A-100-16	14"-16" Band Saws	<b>\$174.00</b>
<b>476492</b>	B-200-29	18"-20" Band Saws	<b>\$174.00</b>

**Precision Band Saw Fence**

**Kreg** 26"L pre-drilled mounting rail fits most 14" band saws. Easily removed 18"L aircraft-grade aluminum fence. Precision lens cursor for precise cuts. Blade drift w/2 simple adjustments. Anodized finish.

Stk.	Mfr.	Price
<b>793873</b>	KMS7200	<b>\$141.00</b>

**Precision Micro-Adjuster** Thumb wheel dials precise adjustments (to .005") on Kreg's Precision Band Saw Fence.

Stk.	Mfr.	Price
<b>793893</b>	KMS7215	<b>\$19.80</b>

**Band Saw Blade Guides**

**Olson** Phenolic guides allow blades to run cooler & last longer w/less friction. Cool Blocks® improve cutting performance & are effective with 1/16" & 1/8" wide blades for tight radius work.

**For Delta 14" Band Saws** 3 blocks (1/2" x 1/2" x 3/4"), plus 1 guide block (1/2" x 3/8" x 1").

Stk.	Mfr.	Price
<b>613766</b>	CB50000	<b>\$15.50</b>

**For most 14" Band Saws** 4 blocks (1/2" x 1/2" x 3/4").

Stk.	Mfr.	Price
<b>613767</b>	CB50050	<b>\$15.50</b>

**For most 9", 2-wheel Band Saws** 2 blocks (13/64" x 13/64" x 13/16"), 2 guide blocks (13/64" x 13/64" x 1").

Stk.	Mfr.	Price
<b>613769</b>	CB50085	<b>\$16.30</b>

**Magnetic Work Light**

**DELTA** Powerful magnetic base adheres to any steel surface to provide extra light in hard-to-reach areas. Flexible 14" arm may be positioned in a variety of ways. Extra-long 8' cord. Uses up to 40-watt track light bulb (*not included*).

Stk.	Mfr.	Price
<b>724371</b>	25-870	<b>\$45.60</b>

**LED Work Light**

**General Intl.** Magnetic base sticks to any steel surface. 150 lumen LED light w/10" gooseneck. 10 oz.

**Includes** 3AA batteries.

Stk.	Mfr.	Price
<b>420838</b>	99-250	<b>\$78.40</b>

**Saw Blade Lubricant Stick**

**Olson** Prolong blade life & produce smoother, quicker cuts. Wax stick keeps metal, plastic & wood-cutting blades from clogging due to chips or pitch. Use on all power & hand-held cutting tool blades including scroll, circular, hack & jeweler's saw blades.

Stk.	Mfr.	Size	Price
<b>613750</b>	AC70010	8"L x 1" dia.	<b>\$7.89</b>

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kluft@midwesttechnology.com









## SCROLL SAWS



### BladeRunner™ X2 Portable Saw

**Rockwell** 5.5 Amp cutting machine easily makes a variety of cuts through wood, steel, plastic, aluminum, ceramic tile and more.

- Instant, tool-free blade changes
- Rocker switch w/safety key

- Traditional guard & riving knife system allows unlimited capacity for cross & rip cuts
- Adjustable miter gauge for 0° to 60° cuts, right or left
- Dedicated steel rip fence w/large scale for accurate rip cuts
- On-board storage for miter gauge, rip fence & blades
- Mfr.'s 3-yr. limited warranty

Blade 4", T-shank

Capacities: wood: 1-1/2", PVC pipe 1-1/4", aluminum 3/8", ceramic tile 3/8", steel 1/8".

Table Size: 15-3/4" x 17". Tool weight 14.7 lbs.

**Includes** miter gauge, rip fence, blade holder & allen key & 5 blades.

Stk.	Mfr.	Volts	Amps	Speed (spm)	Stroke Length	Price
<b>693866</b>	RK7323	120	5.5	3,000	3/4"	<b>\$134.00</b>



### 16" 2-Speed Scroll Saw

**Proxxon** 1.6 Amp scroll saw is perfect for relief projects, intarsia, miniature fretwork, model building, toy and puzzle making, tool and die making, architectural models and antique restoration. For cutting out intricate patterns, making inside cuts easily and getting smooth edges without sanding.

- Swinging saw blade holder takes standard saw blades with pin ends (*Blades without pin ends may be clamped safely by means of a toggle screw*)
- Tilting table allows cutting incised lettering, chamfers, inlays & marquetry
- Twin cast iron saw over arm w/ball bearing direct drive w/handle for quick, easy blade tension adjustments
- Fitted w/vacuum port labs
- Dust blower w/adjustable nozzle
- Cast iron machine base
- Smooth-finish die cast aluminum table

Blade 5", standard plain-end. Capacity: stroke 3/4", throat 15-3/4".

Thickness of cut 2" @ 90°, 1" @ 45° bevel, wood 1-1/2", plastic 13/16", nonferrous metal 13/32". Table size 14-5/32" x 10-1/2", tilt 0-45°L.

Tool size 10-1/2"W x 21"L x 12"H. Tool weight 44 lbs.

**Includes** 5 ea. fine & coarse blades, on-tool blade storage, vacuum connector & T-Allen key.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>303003</b>	37090	120	1/4	1	990/1,500	<b>\$456.00</b>



### 16" Variable Speed Scroll Saw

**Craftsman** Measures 16" from blade to throat. This VS saw provides from 400 to 1,600 strokes per minute providing the versatility to cut through soft and hard woods, as well as plastic and soft metals.

- 2" maximum cutting thickness @ 90°, 1" @ 45°

- Multi-directional dust blower keeps cutting line free of dust & debris
- Dust extraction port (1-1/4") connects to shop vacuum for easy cleanup
- On-board storage conveniently holds extra blades
- Mfr.'s 1-yr. warranty

Blade 5", standard plain & pin-end. Tilt 45°L. Capacity: stroke 3/4", throat 16". Thickness of cut 2" @ 90°, 1" @ 45°. Table size 17-1/8" x 10-1/4".

Tool size 23.62"L x 11.73"W x 13.9"H. Tool weight 37 lbs.

**Includes** 4 pin and blank-end blades, blade wrench, dust port, blade wrench, dust blower & manual.

Stk.	Mfr.	Volts	Speed (spm)	Price
<b>305650</b>	21602	120	400-1,600	<b>\$223.00</b>



### 16" Scroll Saw w/Light

**SKIL** Saw has the right features for the beginning and intermediate woodworker to make intricate cuts and patterns.

- Integrated dust removal system keeps cutline free of debris
- Articulating LED worklight ensures the work piece is clearly lit

- Electronic VS control to cut a variety of materials
- Dust port takes standard shop-vac hose
- On-tool blade storage keeps blades nearby when needed
- Keyless blade change

Blade 5", standard pin-end.

Capacity: stroke 7/8", throat 16", thickness of cut 2" @ 90°.

Table size 16" x 10", tilt 0-45°L.

**Includes** 2 blades.

Stk.	Mfr.	Volts	Phase	Speed (spm)	Price
<b>260295</b>	3335-07	120	1	500-1,700	<b>\$168.00</b>



### 16" Scroll Saw

**Excalibur** Head tilts 45° R&L, tilting the blade, not the table, keeping the workpiece level for better control and more accurate cuts. On-board dust blower.

- Tool-free, quick-blade changes w/finger-operated blade clamps

- Easy-access speed/tension controls

Blade 5", standard plain-end. Tilt 45° R&L.

Capacity: stroke 3/4", throat 16". Thickness of cut 2" @ 90°, 3/4" @ 45°.

Table size 12" x 18-1/2". Tool size 27"L x 15"W x 17"H. Tool weight 54 lbs.

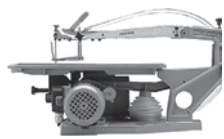
**Includes** blade, leveling feet, wrench & dust collection kit.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>411701</b>	EX-16	120	1/5	1	400-1,400	<b>\$813.00</b>

**Stand Excalibur** For Scroll Saw Models EX-21 & EX-16.

Stk.	Mfr.	Price
<b>411703</b>	EX-21BS	<b>\$192.00</b>

Please visit  
**midwesttechnology.com**  
 for the complete specifications  
 of the products listed on this page.



### 18" Scroll Saw

**Hegner** VS saw features a fully slotted table for fast blade changing and easy inside cuts. Parallel arm design for true vertical workpiece edges, minimal blade friction and precise, on-the-spot turns. Knife-edged blade clamps for

long blade life and semi-orbital blade movement makes smooth edges.

- Tilting table w/precise trunnion for easy, accurate bevel sawing
- Built-in bellows system to keep sawdust away from pattern line
- Oversized induction motor for trouble-free reliability
- Quick Tension Release system
- Cast hold-down arm w/fingerguard

Blade 5", standard plain-end.

Capacity: stroke .40/.70, throat 18", thickness of cut 2-5/8".

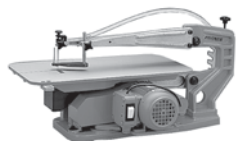
Table size 17" x 9", tilt 45°L & 12°R. Tool weight 50 lbs.

**Includes** assortment of 76 blades, wrench, blade clamps & manual.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>194510</b>	M18-V	120	1/2	I	400-1,700	<b>\$1,665.00</b>

**Stand Hegner** Three-legged steel welded stand takes up less than one-third the floor spaces of conventional four-legged stands and never need leveling. Powder coated for long-lasting finish. For scroll saw models M18-V & M22-V. 32-1/2"H

Stk.	Mfr.	Price
<b>194514</b>	M2ST	<b>\$204.00</b>



### 20" Scroll Saw

**Hegner** All-cast construction saw has 2 stroke settings on a slotted iron worktable. I-beam arms for maximum strength and vibration free operation. Knife-edged blade clamps for long blade life, and semi-orbital movement of blades

makes smooth edges. Parallel arm design for true vertical workpiece edges, minimal blade friction and precise, quick turns.

- Oversized induction motor for trouble-free reliability
- Tilting table w/precise trunnion for easy, accurate bevel sawing
- Built-in bellows system to keep sawdust away from pattern line
- 3.2 amp maintenance-free induction motor
- Cast hold-down arm w/fingerguard

Blade 5", standard plain-end.

Capacity: stroke .40/.70, throat 20", thickness of cut 1-7/8".

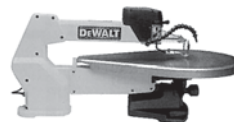
Table size 19" x 10", tilt 45°L. Tool weight 96 lbs.

**Includes** assortment of 76 blades, wrench, clamps, saw stand & manual.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>554150</b>	P3	120	1/2	I	700/1,000/1,270/1,600	<b>\$3,195.00</b>

#### Stand

<b>194518</b>	P3ST					<b>\$236.00</b>
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### 20" VS Scroll Saw

**DEWALT** Double parallel-link arm design dramatically reduces noise and vibration for extremely accurate cuts.

- Front on/off switch, flexible dust blower & blade tensioning lever
- Unique arm design keeps blade perpendicular to the work, reducing under or over cutting
- Multi-directional dust blower
- Tool-free blade changes
- UL listed, OSHA compliant

Blade 5", standard plain-end. Capacity: stroke 3/4", throat 20".

Thickness of cut 2" @ 90°, 1 1/16" @ 45°. Table size 16" x 23-3/4", tilt 45° L&R.

Tool size 19.5"W x 29.5"L x 12.13"H. Tool weight 56 lbs.

**Includes** hex wrench & blades.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>243090</b>	DW788	120	1/5	I	400-1,750	<b>\$694.00</b>

#### Worklight

<b>243116</b>	DW788I					<b>\$48.60</b>
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#### Stand

<b>243115</b>	DW7880					<b>\$113.00</b>
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### 20" Variable Speed Scroll Saw

**DELTA** Unique dual parallel-link arm reduces vibration and noise and keeps the blade perpendicular to the work surface.

- Upper arm lifts & locks in the raised position during blade changes or while adjusting for fret work

- On/off switch, electronic VS dial, flexible dust blower & blade-tensioning lever are located up front on the arm for easy accessibility
- Tool-free blade clamp allows for quick, easy blade changes
- Single lever, tool-free blade tensioning allows for quick adjustments
- Large, cast-iron table
- On-tool blade storage

Blade 5", standard plain-end. Capacity: stroke 3/4", throat 20".

Thickness of cut 2-1/8" @ 90°, 1-5/8" @ 45°.

Table size 16" x 24", tilt 45° R&L. Tool size 39"L x 16"W. Weight 70 lbs.

**Includes** 2 straight blades.

Stk.	Mfr.	Volts	Phase	Speed (spm)	Price
<b>741239</b>	40-694	120	I	400-1,750	<b>\$503.00</b>

**Stand DELTA** Heavy-duty, all-steel stand with adjustable rear leg. For use with Delta Scroll Saws Mfr. 40-694 & 40-695.

Size 19"W x 29"D x 39"H.

Stk.	Mfr.	Price
<b>741241</b>	40-696	<b>\$112.00</b>



### 21" Scroll Saw

**Excalibur** Head tilts 0°-45° R&L, adjusting the blade, not the table keeping workpiece level for better control and more accurate cuts. On-board dust blower.

- Easy-access speed & tension controls
- Tool-free blade changes
- Blade storage on base
- Adj. blade mounting

Blade 5", standard plain-end. Tilt 45° R&L. Capacity: stroke 3/4", throat 21".

Thickness of cut 2" @ 90°, 1" @ 45°. Table size 13-1/2" x 23-1/2".

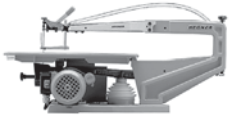
Tool size 15"W x 32"L x 15"H. Tool weight 65 lbs.

**Includes** blade, leveling feet, wrench & dust collection kit.

**Shown w/Stand, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>411702</b>	EX-21	120	1/5	I	400-1,550	<b>\$964.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



### 22" Scroll Saw

**Hegner** Change blades fast and make inside cuts easy with a fully slotted table. Parallel arm design for true vertical workpiece edges and minimal blade friction. Semi-orbital blade movement makes smooth edges and knife-edged blade clamps for long blade life.

- Tilting table w/precise trunnion for easy, accurate bevel sawing
- Built-in bellows system to keep sawdust away from pattern line
- Oversized induction motor for trouble-free reliability
- Quick Tension Release system
- Cast hold-down arm w/fingerguard

Blade 5", standard plain-end.

Capacity: stroke .40/.70, throat 22", thickness of cut 2-5/8".

Table size 17" x 9", tilt 45°L & 12°R. Tool weight 60 lbs.

**Includes** assortment of 76 blades, wrench, blade clamps & manual.

Stk.	Mfr.	Volts	HP	Phase	Speed (spm)	Price
<b>194512</b>	M22-V	120	1/2	1	400-1,700	<b>\$1,912.00</b>

**Stand Hegner** Three-legged steel welded stand takes up less than one-third the floor spaces of conventional four-legged stands and never need leveling. Powder coated for long-lasting finish. For scroll saw models M18-V & M22-V. 32-1/2"H

Stk.	Mfr.	Price
<b>194514</b>	M2ST	<b>\$204.00</b>



### 30" Scroll Saw

**Excalibur** Head tilts 45° R&L, adjusting the blade rather than the table keeping workpiece level for better control and more accurate cuts. VS motor, large throat capacity and worktable.

- Adjustable blade mounting position (up/down)
- Large table surface
- Easy-access speed & tension controls
- On-board dust blower
- Organized blade storage on base
- Tool-free, quick blade changes

Blade 5", standard plain-end. Tilt 0°-45° R&L. Capacity: stroke 3", throat 30", thickness of cut 2" @ 90°, 7/8" @ 45°. Table 14" x 32-1/2". Tool size 43-1/4"L x 15-1/2"W x 15-1/4"H. Tool weight 114 lbs.

**Includes** blade, leveling feet, wrench & dust collection kit.

Stk.	Mfr.	Item	Volts	HP	Phase	Speed (spm)	Price
<b>411705</b>	EX-30		120	1/5	1	400-1,550	<b>\$1,411.00</b>
<b>411706</b>	EX-30BS	Stand					<b>\$206.00</b>



### Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>



### Tool Table & Universal Stand

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top.

Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>



### Scroll Saw Visorguard Kit

**Flexbar** Provides complete protection between the saw blade & operator's eyes. Easy-grab handle. Flexbar Arm permits setting of Visorguard at the correct height & angle for each set-up. Mounts on most machines in minutes. Shield size 6"W x 8"H.

**Includes** mounting brackets.

**Shown w/scroll saw, sold separately.**

Stk.	Mfr.	Price
<b>408712</b>	13466	<b>\$169.00</b>

### Scroll Saw Blade Guard

**Excalibur** Upper and lower blade guard assembly will help prevent unintentional or accidental hand/finger contact with the saw blade. For Excalibur Scroll Saws Mfg. EX-16, EX-21 & EX-30.

Stk.	Mfr.	Price
<b>411707</b>	EX-02	<b>\$39.40</b>

### Scroll Saw Blade Clamps

**Hegner** For Hegner scroll saws.

Stk.	Mfr.	Size	Qty.	Price
<b>194530</b>	CL0.5	0.5mm (for blade size 5 or less)	2	<b>\$30.50</b>
<b>194531</b>	CL0.7	0.7mm (for blade size 5-9)	2	<b>\$30.50</b>

### Scroll Saw Tuffscrew

**Hegner** Blade clamp replacement screw for Hegner blade clamps.

Stk.	Mfr.	Price
<b>194532</b>	HTS	<b>\$3.89</b>

### Scroll Saw Tuffwrench

**Hegner** Use w/blade clamps.

Stk.	Mfr.	Price
<b>194533</b>	HTW	<b>\$22.20</b>



### Saw Blade Lubricant Stick

**Olson** Prolong blade life & produce smoother,

quicker cuts. Wax stick keeps metal, plastic & wood-cutting blades from clogging due to chips or pitch. Use on all power & hand-held cutting tool blades including scroll, circular, hack & jeweler's saw blades.

Stk.	Mfr.	Size	Price
<b>613750</b>	AC70010	8"L x 1" dia.	<b>\$7.89</b>



### Magnetic Work Light

**DELTA** Powerful magnetic base adheres to any steel surface to provide extra light in hard-to-reach areas. Flexible 14" arm may be positioned in a variety of ways. Extra-long 8' cord. Uses up to 40-watt track light bulb (not included).

Stk.	Mfr.	Price
<b>724371</b>	25-870	<b>\$45.60</b>



### LED Work Light

**General Intl.** Magnetic base sticks to any steel surface. 150 lumen LED light w/10" gooseneck. 10 oz.

**Includes** 3AA batteries.

Stk.	Mfr.	Price
<b>420838</b>	99-250	<b>\$78.40</b>



### Spiral Plain & Flat End Blades

**Olson** Blades have a 360° cutting capability.

Excellent for 0° radius scroll/fret work - you never have to turn the work-piece. For cutting wood, plastic, wax, nonferrous metals, plaster, bone, horn, etc. Use in power scroll saws and hand-held fret and jeweler's saw frames. Made of high-carbon steel, hardened and tempered.

**Flat End** Medium speed and medium rough finish cutting of hard and soft wood, plaster and wallboard.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613778</b>	468DZ	5"	.035"	spiral	41	12	<b>\$5.93</b>
<b>613779</b>	469DZ	5"	.041"	spiral	36	12	<b>\$5.93</b>

**Plain End** Finer, more intricate cutting in thin wood, plastic, wax, plaster, etc. to 1/4".

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613820</b>	461DZ	5"	.032"	spiral	46	12	<b>\$4.87</b>

**Plain End** Medium speed and medium rough finish cutting of hard and soft wood, plaster and wallboard.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613821</b>	463DZ	5"	.035"	spiral	41	12	<b>\$4.87</b>
<b>613822</b>	465DZ	5"	.041"	spiral	36	12	<b>\$4.87</b>

**Plain End** Faster cutting of hard/soft wood and plastic 1/4" or thicker.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613823</b>	467DZ	5"	.051"	spiral	30	12	<b>\$4.87</b>

### Skip Tooth Plain End Saw Blades

**Olson** For hand or machine sawing of wood,

plastic and fibrous materials. Skip tooth blades cut fast, provide good chip clearance and smooth finishes.

For extremely intricate sawing. Excellent for veining, line art and thin cuts in material 1/16" to 1/4". Great for wood veneer, plastic, hard rubber, metal, etc. Smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613773</b>	440DZ	5"	.022"	.010"	28	12	<b>\$4.38</b>
<b>613774</b>	443DZ	5"	.029"	.012"	20	12	<b>\$4.38</b>

For tight radius work in thin materials 3/32" to 1/2" wood veneer, wood, bone, fiber, plastic, metal etc. Smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613775</b>	446DZ	5"	.038"	.016"	12.5	12	<b>\$4.38</b>

For close radius cutting in materials 1/8" or thicker. Great for sawing hard and soft wood, bone, horn, plastic, etc. Smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613776</b>	448DZ	5"	.045"	.017"	11.5	12	<b>\$4.38</b>

For cutting hard and soft woods 3/16" up to 2". Also cuts plastic, paper, felt, bone, etc. Smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613833</b>	450DZ	5"	.053"	.018"	11.5	12	<b>\$4.38</b>

For cutting hard and soft woods 3/16" up to 2". Also cuts plastic, paper, felt, bone, etc. Smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613777</b>	453DZ	5"	.062"	.024"	9.5	12	<b>\$4.38</b>

Wood, plastic, for extremely thin cuts on material 3/32" to 1/2" thick. Medium smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613834</b>	424DZ	5"	.070"	.010"	18.5	12	<b>\$4.96</b>

**36-Piece Blade Set** 12 ea. of 443DZ, 446DZ, 448DZ.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613835</b>	49400	5"					<b>\$12.20</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

### Skip Tooth Plain End Blades

**Hegner** Traditional skip tooth design for woods & plastics. Consistent tooth structure, even sizing, long life and superior sharpness.

**Materials up to 1/4"**

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>194505</b>	PB01	5"	.026"	.012"	25	12	<b>\$4.05</b>

**Materials up to 1/2"**

<b>194507</b>	PB02	5"	.028"	.013"	23	12	<b>\$4.05</b>
<b>194570</b>	PB03	5"	.032"	.013"	20	12	<b>\$4.05</b>

**Materials up to 3/4"**

<b>194569</b>	PB04	5"	.035"	.014"	16	12	<b>\$4.05</b>
<b>194572</b>	PB05	5"	.039"	.015"	16	12	<b>\$4.05</b>

**Materials up to 1"**

<b>194573</b>	PB06	5"	.043"	.017"	15	12	<b>\$4.05</b>
<b>194574</b>	PB07	5"	.045"	.018"	14	12	<b>\$4.05</b>

**Materials up to 1-1/4"**

<b>194576</b>	PB09	5"	.053"	.019"	14	12	<b>\$4.05</b>
<b>194577</b>	PB11	5"	.063"	.020"	12	12	<b>\$4.05</b>

### Double Tooth Plain End Blades

**Olson** Blades have 2 teeth together followed by a flat space for efficient chip removal. Double tooth blades cut fast, leaving clean edges in wood and plastic.

Extremely intricate sawing in material 1/16" - 1/4". For wood veneer, plastic, hard rubber, etc.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613755</b>	434DZ	5"	.026"	.013"	30	12	<b>\$4.38</b>

Tight radius work in thin materials 3/32" - 1/2" wood veneer, wood, bone, fiber, plastic, etc.

<b>613756</b>	435DZ	5"	.032"	.014"	23	12	<b>\$4.38</b>
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Close radius cutting in materials 1/8" or thicker. Great for sawing hard/soft wood, bone, horn, plastic, etc.

<b>613757</b>	436DZ	5"	.038"	.016"	16	12	<b>\$4.38</b>
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For cutting hard and soft woods 3/16" up to 2". Also cuts plastic, paper, felt, bone, etc.

<b>613758</b>	437DZ	5"	.044"	.018"	13	12	<b>\$4.38</b>
<b>613759</b>	438DZ	5"	.053"	.018"	11	12	<b>\$4.38</b>
<b>613760</b>	439DZ	5"	.061"	.022"	10	12	<b>\$4.38</b>

**36-Piece Blade Set** 12 ea. of 435DZ, 436DZ, 438DZ.

<b>613838</b>	49300	5"					<b>\$12.20</b>
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### 5" & 6" Regular Tooth Plain End

**Olson** Ideal for use in spring tension scroll

saws such as Delta 24", Powermatic 24", Sprunger, Shopsmith and imported spring tension scroll saws. The .100" and narrower width blades can also be used in parallel and C-arm scroll saws.

Wallboard, pressed wood, wood, felt, paper, bone, lead. Medium smooth finish.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613800</b>	411DZ	5"	.100"	.022"	15	12	<b>\$5.17</b>
<b>613796</b>	411GR	5"	.100"	.022"	15	144	<b>\$41.90</b>
<b>613788</b>	411-6DZ	6"	.100"	.022"	15	12	<b>\$5.53</b>
<b>613785</b>	411-6GR	6"	.100"	.022"	15	144	<b>\$46.80</b>

Hard/soft wood from 1/4" to 3/4" in thickness & plastic. Medium finish.

<b>613801</b>	412DZ	5"	.100"	.022"	10	12	<b>\$5.17</b>
<b>613797</b>	412GR	5"	.100"	.022"	10	144	<b>\$41.90</b>
<b>613804</b>	413DZ	5"	.187"	.025"	10	12	<b>\$5.17</b>
<b>613798</b>	413GR	5"	.187"	.025"	10	144	<b>\$41.90</b>
<b>613802</b>	414DZ	5"	.250"	.028"	7	12	<b>\$5.17</b>
<b>613799</b>	414GR	5"	.250"	.028"	7	144	<b>\$41.90</b>
<b>613789</b>	412-6DZ	6"	.100"	.022"	10	12	<b>\$5.74</b>
<b>613787</b>	413-6DZ	6"	.187"	.025"	10	12	<b>\$5.74</b>

Hard/soft wood from 3/32" to 1/4" T. Medium smooth finish.

<b>613803</b>	405DZ	5"	.100"	.022"	20	12	<b>\$5.17</b>
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**Reverse Skip Tooth PGT® Blades**

**Olson** Precision Ground Tooth (PGT) blades w/razor sharp teeth cut faster, smoother, accurate straight & radius cuts. Widely spaced tooth gullets minimize burning & provide rapid chip removal. Finest carbon steel for strength, durability & long blade life. Plain end.

Steady, close radius cutting in materials 3/16" or thicker. For soft wood.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613817</b>	45502	5"	.018"	.044"	12	6	<b>\$4.19</b>

Steady, close radius cutting in materials 1/4" or thicker. For soft & hardwood.

<b>613818</b>	45702	5"	.018"	.046"	10	6	<b>\$4.19</b>
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Fast, close radius cutting in materials 1/2" or thicker. Best for hardwood.

<b>613819</b>	45902	5"	.018"	.048"	8	6	<b>\$4.19</b>
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**Reverse Skip Tooth Plain End**

**Olson** For smooth, splinter-free finish on top & bottom. Excellent blade for eliminating tear-out on birch & maple plywood.

Fret sawing hardwood to 1/2" & soft wood to 3/4".

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613780</b>	446RDZ	5"	.038"	.016"	12.5	12	<b>\$4.96</b>

Fret sawing hardwood to 3/4" & soft wood to 1-1/2".

<b>613782</b>	448RDZ	5"	.045"	.017"	11.5	12	<b>\$4.96</b>
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Fret sawing hardwood to 1-1/2" & soft wood to 2".

<b>613784</b>	453RDZ	5"	.062"	.024"	9.5	12	<b>\$4.96</b>
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**Plain End Blade Assortment**

**Olson** 36-piece set. Plain end.

**Includes** Spiral 5"L, .035"T, 41 TPI, 12/pkg., Skip Tooth 5"L x .045"W, .017"T, 11.5 TPI, 12/pkg., Reverse Skip Tooth 5"L x .038"W, .016"T, 12.5/9 TPI reverse, 12/pkg.

Stk.	Mfr.	Price
<b>613828</b>	49604	<b>\$13.20</b>

**Regular, Reverse & Skip Tooth Pin End**

**Olson** For Sears Craftsman, Penn State, Delta, Ryobi & all 15" & 16" imported saws.

**Skip Tooth** Cuts in wood, plastic & extremely thin cuts in material 3/32" to 1/2"T.

Stk.	Mfr.	Length	Width	Thickness	TPI	Qty.	Price
<b>613786</b>	424PDZ	5"	.070"	.010"	18.5	12	<b>\$6.14</b>
<b>613832</b>	424PGR	5"	.070"	.010"	18.5	144	<b>\$53.50</b>

**Reverse Tooth** For smooth, splinter-free finish on top and bottom sides. For hard/soft wood, plywood, etc. 1/4"T.

<b>613813</b>	420RPDZ	5"	.100"	.018"	9/5 rev	12	<b>\$6.81</b>
<b>613824</b>	420RPGR	5"	.100"	.018"	9/5 rev	144	<b>\$59.80</b>

**Regular Tooth** Cuts in wood, plastic & extremely thin cuts in material 3/32" to 1/2"T.

<b>613830</b>	427PDZ	5"	.070"	.010"	2.5	12	<b>\$6.14</b>
<b>613831</b>	427PGR	5"	.070"	.010"	2.5	144	<b>\$53.50</b>

**Regular Tooth** Wallboard, pressed wood, wood, felt, paper, bone & lead.

<b>613808</b>	411PDZ	5"	.100"	.018"	15	12	<b>\$6.14</b>
<b>613806</b>	411PGR	5"	.100"	.018"	15	144	<b>\$53.50</b>

**Regular Tooth** Cuts in hardwood, softwood & plastic.

<b>613805</b>	405PDZ	5"	.100"	.018"	20	12	<b>\$6.14</b>
<b>613811</b>	405PGR	5"	.100"	.018"	20	144	<b>\$53.50</b>
<b>613809</b>	412PDZ	5"	.100"	.018"	10	12	<b>\$6.14</b>
<b>613807</b>	412PGR	5"	.100"	.018"	10	144	<b>\$53.50</b>

**18-Piece Assortment** 6 ea. of regular blades 411PDZ & 412PDZ, plus 6 of reverse skip tooth blade 424PDZ.

<b>613829</b>	49501	5"					<b>\$8.28</b>
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**Scroll Saw Files**

**Olson** Fine-grit scroll saw files smooth, sand, shape & correct complex contours & forms, eliminating hand sanding in soft/hardwood, plaster, greenware, soapstone & non-ferrous metals including copper & brass. Made from durable, tempered-spring steel coated w/silicon carbide abrasive. For most scroll saws taking plain end blades & can also be used in pin vises, craft knife handles, mini hack, jeweler & hand fret saws. USA made.

Stk.	Mfr.	Item	Width	Thickness	Qty.	Price
<b>613836</b>	42100	Plain End	.156"	.056"	2	<b>\$6.08</b>
<b>613837</b>	42101	Pin End	.156"	.056"	2	<b>\$6.52</b>

**Scroll Sander Sanding Belts**

**Olson** Sanding belts easily smooth edges of scroll saw projects in wood, plastic, metal & composites. Durable, fabric-backed belts have molded-polycarbonate ends for attaching to most scroll saws that take 5" blades. Belts rapidly remove bumps, burrs & feathering, plus correct wandering on a cutting line. Great for curves, concave or convex edges & can reach into intersections. Mounts as easily as a blade. Remount w/opposite side up to double belt life. Fits most 5" scroll saws (Craftsman, Delta, DeWalt, Excalibur, Ryobi, modifications may be required to throat insert or table opening depending on belt width). USA made.

- DeWalt & Excalibur Scroll Saws only accept 1/4" belts unless table hole is drilled larger Dremel 1670, 1671, 1680: use pin end belts. Remove gate's plastic nub to fit in clamp (if needed)
- Delta: use side mount, cut table insert to fit sander or remove table insert
- Ryobi SC 160: use pin end belts
- Ryobi SC 162, 162VS & 165: use plain end belts only
- Hegner: use pin end belts
- Does not fit RBL, Reliant or Moto-Shop

**1/4" Pin End**

Stk.	Mfr.	Width	Grit	Qty.	Price
<b>613847</b>	SC91212BL	1/4"	120	4	<b>\$8.58</b>
<b>613848</b>	SC91218BL	1/4"	180	4	<b>\$8.58</b>
<b>613849</b>	SC91222BL	1/4"	220	4	<b>\$8.58</b>
<b>613850</b>	SC91262BL	1/4"	(180, 220 & 2 of 120)	4	<b>\$8.58</b>

**1/4" Plain End**

Stk.	Mfr.	Width	Grit	Qty.	Price
<b>613851</b>	SC92212BL	1/4"	120	4	<b>\$8.58</b>
<b>613852</b>	SC92218BL	1/4"	180	4	<b>\$8.58</b>
<b>613853</b>	SC92222BL	1/4"	220	4	<b>\$8.58</b>
<b>613854</b>	SC92262BL	1/4"	(180, 220 & 2 of 120)	4	<b>\$8.58</b>

**1/2" Pin End**

Stk.	Mfr.	Width	Grit	Qty.	Price
<b>613855</b>	SC91508BL	1/2"	80	4	<b>\$8.58</b>
<b>613856</b>	SC91512BL	1/2"	120	4	<b>\$8.58</b>
<b>613857</b>	SC91518BL	1/2"	180	4	<b>\$8.58</b>
<b>613858</b>	SC91522BL	1/2"	220	4	<b>\$8.58</b>
<b>613859</b>	SC91564BL	1/2"	(80, 120, 180, 220)	4	<b>\$8.58</b>

**1/2" Plain End**

Stk.	Mfr.	Width	Grit	Qty.	Price
<b>613860</b>	SC92508BL	1/2"	80	4	<b>\$8.58</b>
<b>613861</b>	SC92512BL	1/2"	120	4	<b>\$8.58</b>
<b>613862</b>	SC92518BL	1/2"	180	4	<b>\$8.58</b>
<b>613863</b>	SC92522BL	1/2"	220	4	<b>\$8.58</b>
<b>613864</b>	SC92564BL	1/2"	(80, 120, 180, 220)	4	<b>\$8.58</b>

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## RADIAL ARM SAWS



### 10" Radial Arm Saw

**Craftsman Industrial** This saw not only provides clean miters, bevels and slots, but integrates attachments like dado blades and buffing wheels. Built on a sturdy, broad-standing base and featuring a wide working surface, this saw accommodates large and small work pieces easily.

- Powered by a 3 HP motor sliding smoothly on an extra long turret arm
- Laser Trac™ technology assists in aligning the blade to the work piece

- 3 HP maximum deviation Control Cut™ feed rate motor
- Automatic blade brake stops blade in seconds increasing work safety
- 1-yr. mfr.'s warranty

Blade dia. 10", arbor 5/8". Crosscut capacity 29"D. Rip capacity 15.5"W. Tool size 28"L x 22.1"W x 40.1"H. Weight 204 lbs.

**Includes** 10" 40T carbide blade, stand, blade & arbor mounted laser.

Stk.	Mfr.	Volts	Phase	Speed (rpm)	Price
<b>305700</b>	22010	120	1	3,450	<b>\$1,369.00</b>



### 12" Radial Arm Saws

**Original Saw** An extension of industrial line cutting machines, built to exacting tolerances and manufactured with adjustments at all wear points giving it extremely tight cutting tolerances throughout its service life.

- Cast iron & cast aluminum construction
- Mounted on heavy gauge steel frame & legs
- Automatic electronic brake
- TEFC motor

Blade dia. 12", arbor 1".

Cutting capacity: 1-7/16" @ 45° bevel, 2-1/4" @ 90°, 1" crosscut on 24" stock.

Rip capacity: 27-1/4". Miter 16" @ 45° 1" stock.

Positive stops: 45°, 90°. Table 39"W x 25"L.

Tool size 36-1/8"L x 40"W x 62-1/2"H. Weight 320 lbs.

**Includes** automatic electronic brake, no restart after power loss protection, complete upper & lower blade guard w/anti-kickback attachment, dust elbow, auto-return device, arbor nut, collars & wrenches, heavy steel base w/legs, oversized Masonite® tabletop & adjustable crosscut stop.

**Blade not included, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>893100</b>	3512-01	220	3	1	3,425	<b>\$4,845.00</b>
<b>893101</b>	3512-03	208/230/460	3	3	3,425	<b>\$4,771.00</b>

893101|Please specify voltage.

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Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### 12" Radial Arm Saw

**General Intl.** Powerful 2 HP, TEFC 220V saw offers industrial-rated quality while versatile design allows for crosscuts, bevels and miters. Head swivels for rip cuts.

- Cast-iron frame, heavy steel column & sturdy easy-assemble all-steel stand provide perfect alignment & stability
- Precision adjustable indexing w/positive stops at 90° & 45°
- Blade guard w/anti-kickback safety attachment & splitter
- Magnetic switch w/overload protection & lock-out key
- Automatic safety brake stops the blade in seconds upon shutdown
- Dual 4" dust ports above table & 2" dust port on rear of blade guard 12" negative rake, multi-purpose combination blade
- Adjustable tension cutterhead/carriage return spring to smoothly & safely retract the motor & carriage back to the start position
- Replaceable steel guide ways
- CSA Approved

Blade dia. 12", arbor 5/8" (w/1" spacer).

Cutting capacity: 3", 2" @ 45° bevel, 16" crosscut. Rip capacity: 26-3/8".

Miter 11-1/2" @ 45°. Dado capacity 13/16". Positive stop 45°, 90°.

Table 27-1/2"L x 35-3/8"W x 36-3/4"H.

Tool size 43-1/4"L x 35-3/4"W x 70-7/8"H. Weight 396 lbs.

**Includes** blade, return spring, laser & blade wrenches.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>420775</b>	50-755MI	220	2	1	3,440	<b>\$4,214.00</b>



### 14" Heavy Duty Radial Arm Saws

**Original Saw** Repeatable accuracy at any angle. 8 wide-contact ball bearings in rollerhead. Precision-machined track in heavy cast iron arm. Magnetic starter with no voltage/low voltage protection & thermal overload protection.

- Automatic electro-mechanical brake
- Auto-return device
- Low-voltage push-button controls
- Adjustable arm stop

Blade dia. 14", arbor 1".

Cutting capacity: 4-1/8", 1-3/4" @ 45° bevel, 24" crosscut.

Rip capacity: 37-7/8". Miter 15-1/2" @ 45°. Positive stop 45°.

Table 44"L x 33"W x 32"H. Tool size 46"L x 47-1/2"W x 70"H. Weight 500 lbs.

**Includes** TEFC w/automatic brake, upper & lower blade guard w/anti-kickback attachment, arbor nut, collars & wrenches, heavy steel base w/legs & Masonite® top, column lock & adjustable crosscut stop.

**Blade not included, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>893102</b>	3536-01	230	3	1	3,425	<b>\$7,558.00</b>
<b>893104</b>	3536-03	230/460	5	3	3,425	<b>\$7,356.00</b>

893104|Please specify voltage.

**Cutterhead Return Attachment** **DELTA** Speeds up production. Returns cutterhead automatically out of the way, behind guide fence after cut.

Stk.	Mfr.	Price
<b>729900</b>	33-723	<b>\$255.00</b>



### Pedestal Roller Stand

**Port A Mate** Pedestal roller provides stable support & assists in the movement of larger workpiece materials.

- Assembles in 5 minutes
- Folds flat
- Durable powder coat finish
- Non-slip rubber feet
- Wide stance for extra stability

- High strength ABS adjustment handle
- Premium polished steel ball bearing roller

Height 27" - 43-3/4".

Stk.	Mfr.	Rollers	Width	Capacity	Price
<b>476510</b>	PM5080	1	11.25"	132 lbs.	<b>\$31.50</b>
<b>476511</b>	PM5083	1	11.25"	200 lbs.	<b>\$40.30</b>



### Stock Roller Stand

**Shop Fox** Heavy-gauge, all-steel welded unit w/quick-fold leg for easy set-up. Stable T-bar base. Ball-bearing roller. Non-marring foot pads. Stores flat.

Height 24.5" - 42". Capacity 150 lbs.

Stk.	Mfr.	Rollers	Width	Price
<b>785637</b>	D2054	1	13"	<b>\$32.30</b>

## PANEL SAWS



### Vertical Panel Saw

**POWERMATIC** Features a powerful worm-drive motor which rotates in the carriage, adding the versatility to perform rip cuts. The solid aluminum rollers with outside support bracket assure smooth feeding of stock and perfect 90° cuts every time. Handles panels up to 5' tall.

- Stainless steel guide tubes w/8 guide roller assemblies for smooth carriage glide
- Dual 4" dust ports w/nylon brush surrounding blade for front & rear dust exhaust
- True counterweight system keeps the carriage in position while loading stock
- Heavy-duty welded 1-piece steel frame prevents vibration, ensures solid support
- 5-yr. mfr.'s warranty

Blade 8" dia. Rip length unlimited. Cut thickness 1-1/2". Frame 10'L. Weight 435 lbs.

**Includes** horizontal & vertical scales, adjustable stop & casters.

Stk.	Mfr.	Volts	HP	Amps	Crosscut	Price
<b>654755</b>	1510007	120	3	13	62"L	<b>\$5,784.00</b>



### Vertical Panel Saws

**Safety Speed Cut** Full-size saw productivity, cut within 1/32" on a wide variety of panel materials up to 1-3/4"T.

- 10' welded steel frame
- Zinc-plated 1-3/4" steel guide tubes

- 4 nylatron roller bearing systems w/adjustable rulers
- Rotating saw head w/thin material pressure guard & injection-molded plastic material rollers
- Spring-loaded saw counterbalance

Blade dia. 8" (sold separately). Frame length 10'. Tool weight 244 lbs.

Stk.	Mfr.	Volts	HP	Amps	Crosscut	Price
<b>770489</b>	H-4	120	3-1/4	13	50"L	<b>\$2,519.00</b>
<b>770490</b>	H-5	120	3-1/4	13	64"L	<b>\$2,677.00</b>

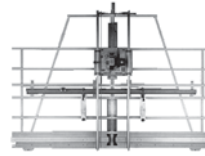


### Compact Portable Panel Saw

**Safety Speed Cut** All the features of the full-size saw in a portable 5' frame. Fits into shops with floor space limitations. Cuts accurately to 1/32".

- 5' welded steel frame
  - Zinc-plated 1-3/4" steel guide tubes
  - 4 nylatron roller bearing systems w/adjustable rulers
  - Rotating saw head w/thin material pressure guard & injection-molded plastic material rollers
  - Spring-loaded saw counterbalance
- Blade dia. 8" (sold separately). Frame length 5'. Tool weight 148 lbs.

Stk.	Mfr.	Volts	HP	Amps	Crosscut	Price
<b>770560</b>	C-4	120	2-1/4	13	50"L	<b>\$1,725.00</b>



### Panel Saw/Panel Router Combination Machine

**Safety Speed Cut** Saw and router on 1 vertical frame with this combination panel saw/panel router machine. Change from saw to router in less than 1 minute with a cutting accuracy of 1/64".

- 10' welded steel frame
- Chrome-plated 1-3/4" guide tubes
- 8 nylatron roller bearing systems w/adjustable rulers
- Rotating saw head w/thin material pressure guard & injection-molded plastic material rollers
- Spring-loaded saw counterbalance

Blade dia. 8" (sold separately). Frame length 10'. Tool weight 283 lbs. Unlimited max. rip length. Max. cut thickness 1-3/4".

**Includes** floating router head, mid-way fence, 2 hand clamps & 2 blind dado stops.

Stk.	Mfr.	Volts	HP	Amps	Crosscut	Price
<b>770575</b>	SR-5	120	2-1/4	13 Saw / 12 Router	62"L	<b>\$5,379.00</b>

### Panel Saw Blades

#### freud

Stk.	Mfr.	Blade Dia.	Cutting Capacity	Arbor	Teeth	Price
<b>412207</b>	LU88R008	8"	3.5"	5/8"	48	<b>\$59.20</b>
<b>412229</b>	LU74R008	8"	3.5"	5/8"	64	<b>\$68.40</b>

### Hold-down Bars

#### Safety Speed Cut

Stk.	Mfr.	Item	Price
<b>770514</b>	H-440	For 50" saws C-4 & H-4	<b>\$251.00</b>
<b>770515</b>	H-550	For 64" saw H-5	<b>\$264.00</b>
<b>770579</b>	6440	For panel saw/routers 3400, 6400 & SR-5	<b>\$276.00</b>

### Wheel Kit

**Safety Speed Cut** For panel saws & saw/routers.

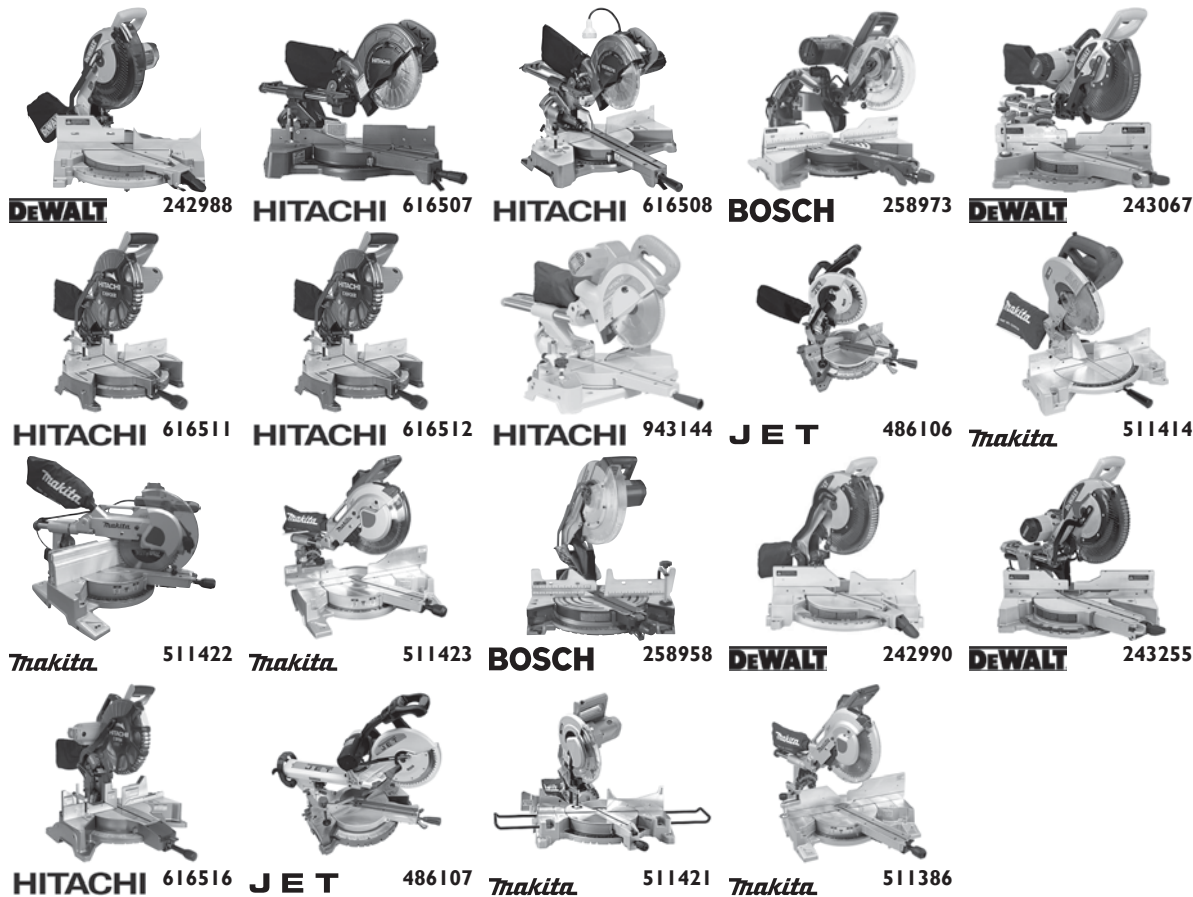
Stk.	Mfr.	Price
<b>770495</b>	H-10	<b>\$69.30</b>

### Stands

**Safety Speed Cut** Tripod clamps to machine with U bolts (no holes to drill) for a free-standing machine.

Stk.	Mfr.	Item	Price
<b>770510</b>	H-20	For 50" saws C-4 & H-4	<b>\$195.00</b>
<b>770577</b>	SR-20	For panel saw/router SR-5	<b>\$195.00</b>

# MITER SAWS



## Miter Saw

Stk.	Mfr.	Brand	Blade Dia.	Amps	Volts	Slides	No Load RPM	Crosscut	45°L Bevel	45°R&L Miter	Compound	Price
242988	DW713	DeWalt	10"	15	120		5,000	4"	2"	4"		\$304.00

## Compound Miter Saw

Stk.	Mfr.	Brand	Blade Dia.	Amps	Volts	Slides	No Load RPM	Crosscut	45°L Bevel	45°R&L Miter	Compound	Price
616507	C8FSE	Hitachi	8.5"	9.2	120	yes	5,500	12"	8-1/2"	2-9/16"	1-25/32"	\$396.00
616508	C8FSHE	Hitachi	8.5"	9.2	120	yes	5,500	12"	8-1/2"	2-9/16"	1-25/32"	\$462.00
258973	CM10GD	Bosch	10"	15	120	no	4,800	12"	N/A	N/A	N/A	\$742.00
243067	DW717	DeWalt	10"		120	yes	4,000	12"	12"	8"	3-1/2"	\$638.00
616511	C10FCE2	Hitachi	10"		120	no	5,000	5-21/32"	3-1/2"	2-5/16"	1-5/8"	\$198.00
616512	C10FCH2	Hitachi	10"	15	120	no	5,000	5-21/32"	3-1/2"	2-5/16"	1-5/8"	\$261.00
943144	C10FSBP4	Hitachi	10"	12	120	yes	3,800	12-9/32"	2-3/16"	8-19/32"	2-3/8"	\$594.00
486106	JMS-10CMS	JET	10"	15	120	no	4,800	5-1/2"	5-1/2"	3-1/2"	1-1/2"	\$387.00
511414	LS1040	Makita	10"	15	115	no	4,600	5-1/8"	3-3/4"	2-5/8"	1-3/8"	\$304.00
511422	LS1016	Makita	10"	15	120	dual	3,200	12"	12"	8-1/2"	2-1/4"	\$734.00
511423	LS1016L	Makita	10"	15	120	dual	3,200	12"	12"	8-1/2"	2-1/4"	\$780.00
258958	CM12	Bosch	12"		120	no	4,200	8"	8"	2"	2"	\$432.00
242990	DW715	DeWalt	12"	15	120	no	4,000	7-3/4"	7-3/4"	3-1/2"	2-5/6"	\$430.00
243255	DWS780	DeWalt	12"	15	120	yes	3,800	16"	2"	2"	N/A	\$780.00
616516	C12FDH	Hitachi	12"	15	120	no	4,000	7-1/2"	8"	2-3/4"	1-1/2"	\$392.00
486107	JMS-12SCMS	JET	12"	15	120	dual	4,200	12-1/4"	8-3/4"	2-1/2"	2-1/2"	\$910.00
511421	LS1221	Makita	12"	15	115	no	4,000	6"	5-1/2"	3-7/8"	1-3/4"	\$493.00
511386	LS1216L	Makita	12"	15	120	dual	3,200	15"	10-1/2"	4-3/4"	1-1/2"	\$900.00

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### Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>



### Tool Table & Universal Stand

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top. Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>



### Universal Mobile Stand

**PORTER+CABLE** Adjustable in/outfeed rollers to 8"L. Durable tubular steel frame supports up to 300 lbs. 3-position, pneumatic raising & lowering. Adjustable mounting bracket adapts to most miter saws or bench top planers. Wide rubber wheels. Easy assembly. Compact storage.

Stk.	Mfr.	Price
<b>626634</b>	PCI36MS	<b>\$259.00</b>



### Heavy-Duty Miter Saw Stand

**DEWALT** Lightweight aluminum construction. 5-1/2" beam extends to support up to 16' of material. 500 lb. capacity. Locking legs provide superior support & quick, easy set-up.

- Mounting brackets easily secure miter saw to stand

- Work stops/supports can be repositioned quickly anywhere along rail
- Non-marring feet on tool mount will not scratch material
- Extension lock levers allow fast, secure tightening of extensions

Tool size 150"L x 10-1/4"W x 32"H (folds to 72"L x 6"H). Weight 35 lbs.

**Includes** 2 convertible work supports/stops, 2 mounting brackets.

Stk.	Mfr.	Price
<b>243066</b>	DWX723	<b>\$264.00</b>



### Work Center

**Port A Mate** Multi-function station for bench top planers, plus band, miter and scroll saws. 4-outlet power center allows the use of multiple tools at 1 time. Quick-Mount™ feature for easy attachment of bench top tools.

- Supports 16' workpieces

- Easy fold-n-roll portability
- Roller supports w/flip stops
- Long bed w/4-outlet power center
- Universal machinery mounts snap securely to the aluminum top
- Stable work platform
- Extends bench top planer capacity
- Storage compartment

Tool size 67" to 7'L x 25"W x 33"H. Tool weight 70 lbs.

**Includes** 8" wheel, 3 roller supports w/flip stops, 4-outlet power center.

Stk.	Mfr.	Price
<b>476500</b>	PM7000	<b>\$367.00</b>



### Miter Saw Stand

**Craftsman** Deluxe miter saw stand comes with universal mounting brackets that let you quickly place and remove most 10" and 12" miter saws. Support legs are spring loaded and lock into place for working, then fold easily for storage. Roll it away on 1-1/2" x 8" wheels.

Tool weight 44 lbs.

**Includes** a two-outlet power strip w/safety switch.

Stk.	Mfr.	Rollers	Width	Length	Height	Capacity	Price
<b>305608</b>	I6490	2	11-1/2"	80"	32-5/8"	330 lbs.	<b>\$206.00</b>



### Port A Mate Folding Miter Saw Stand

#### Port A Mate

- Tough powder coat finish
- Fast & easy snap pin folding legs for transport
- 20" quick attach tool mounts
- 116" long material support

36"H. 500 lbs. capacity.

Stk.	Mfr.	Price
<b>476503</b>	PM4000	<b>\$125.00</b>

## CIRCULAR SAW BLADES



### Carbide-tipped Safety Dado Sets

**freud** Stacked razor sharp side blades produce grooves or rabbets that are flat-bottomed & splinter free. Use on table saws & radial arm saws for cutting slots, grooves, dados & rabbets in softwood, hardwood, plywood or laminated chipboard.

**Includes** two 1/8" kerf outer blades, 1/16" chipper, four 1/8" chippers & case.

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Hook Angle	Price
<b>412347</b>	SD306	6"	5/8"	22	15°	<b>\$165.00</b>
<b>412349</b>	SD308	8"	5/8"	22	15°	<b>\$176.00</b>

### 6" Stackable Dado Set

**DELTA** Make a variety of cuts on table saws & radial arm saws including plough, groove, rabbet, dado, laps plus tongue & groove. 2 carbide-tipped, anti-kickback blades. Cuts grooves 1/8" to 13/16"W.

**Includes** two 1/8" kerf outer blades, 5 chippers (4 ea. of 1/8" thick & one 1/16" thick).

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Price
<b>738905</b>	35-530	6"	5/8"	20	<b>\$45.10</b>



### 8" Woodworking Series Dado Blade

**Marples** Great for softwood, hard woods, plywood and melamine. Cuts grooves from 1/4" to 7/8"W. For table saws and radial arm saws. Resharpenable oversized carbide for long life. Heat-resistant non-stick coating reduces gumming.

**Includes** 2 outer blades, 3 chippers, 3 spacers & 7 shims (ranging from 0.1 to 0.5mm or .004" to .02")

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Price
<b>619307</b>	1811865	8"	5/8"	12	<b>\$157.00</b>



**8" CT Dado Set**

**DEWALT** Makes clean, smooth dado & rabbet cuts, tenons & half-lap joints in hard woods, soft woods, plywood & melamine.

- 4-tooth chippers give smooth, flat bottom cuts
- Heavy gauge, laser cut plates provide true, accurate cuts

- Stainless steel shims allow ultra-fine width adjustments
- Micro-grain carbide teeth deliver clean cuts & reduce splintering

ATB+R tooth grind, 7,000 rpm max speed.

**Includes** 6 chippers: four 1/8", one 1/16", one 3/32" & molded case.

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Hook Angle	Price
<b>243237</b>	DW7670	8"	5/8"	24	12°	<b>\$187.00</b>



**Carbide-tipped Pro Dado Sets**

**freud** The hook angle makes flat bottom grooves & virtually splinter free cuts. Ideal for underpowered saws because it requires less power to feed. Use on all table saws & radial arm saws for cutting slots, grooves, dados & rabbets in softwood or hardwood.

**Includes** two 1/8" kerf outside blades, 1/16" chipper, four 1/8" chippers, case.

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Hook Angle	Price
<b>412345</b>	SD206	6"	5/8"	10	-12°	<b>\$102.00</b>
<b>412344</b>	SD208	8"	5/8"	12	-12°	<b>\$114.00</b>



**Super Dado Sets**

**freud** Included 3/32" thick chipper allows cut width to be adjusted in 1/32" increments, doubling the number of slot widths available. Use on all table saws & radial arm saws for cutting slots, grooves, dados & rabbets in softwood or hardwood.

**Includes** 2 outside blades of 1/8" kerf, 1/16" chipper, 3/32" chipper, four 1/8" chippers, shim set & case.

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Hook Angle	Price
<b>412358</b>	SD508	8"	5/8"	24	-12°	<b>\$243.00</b>
<b>412354</b>	SD510	10"	1"	32	-12°	<b>\$336.00</b>
<b>412357</b>	SD512	12"	1"	36	-12°	<b>\$365.00</b>



**Carbide-tipped Dial-a-Width Dado Sets**

**freud** Performs like a stacked dado, but shims are replaced w/a dial system & dial hub to ensure accurate adjustments. Each click of the dial adjusts the blade by .004". Easy-use set provides precise cutting on hard & softwoods, chipboard, plywood & laminates. Adjusts easily

to right or left operating machines.

**Includes** 2 blades, 5 chippers (1/8" & 3/32"), wrench & case.

Stk.	Mfr.	Blade Dia.	Arbor	Hook Angle	Price
<b>412355</b>	SD606	6"	5/8"	15°	<b>\$283.00</b>
<b>412356</b>	SD608	8"	5/8"	15°	<b>\$324.00</b>

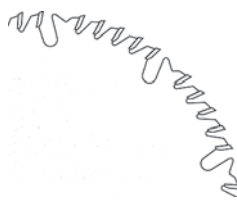


**General Purpose Blade LU72R**

**freud** Premium TiCo™ Hi-Density carbide blade includes a 30° Hi-ATB (Alternate Top Bevel) tooth grind for better quality finish and crisper edges in crosscut applications. This blade is ideal for cutting thick hardwoods, softwoods and thinner stock materials that range in thickness from 3/4" to 3-1/2" for

crosscutting and 1/4" to 1" for ripping. For miter saws, table saws, radial arm saws and panel saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412120</b>	LU72R010	10"	3.5"	5/8"	40	13°	.087"	.126"	<b>\$77.70</b>
<b>412121</b>	LU72R012	12"	3.5"	1"	48	13°	.087"	.126"	<b>\$105.00</b>



**LU84M Circular Saw Blades**

**freud** Large gullet makes the anti-kickback design a safety necessity. It reduces the possibility of kickback associated w/overfeeding by limiting the amount of bite to the maximum safe amount. On a radial arm saw these blades prevent the climbing effect. Alternate top bevel

& flat grind, anti-kickback. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412228</b>	LU84M009	9"	4.25"	5/8"	40	10°	.087"	.126"	<b>\$79.10</b>
<b>412230</b>	LU84M011	10"	4.5"	5/8"	50	10°	.087"	.126"	<b>\$79.30</b>
<b>412231</b>	LU84M012	12"	5.5"	1"	60	10°	.087"	.126"	<b>\$117.00</b>
<b>412232</b>	LU84M014	14"	6.5"	1"	70	10°	.118"	.157"	<b>\$140.00</b>

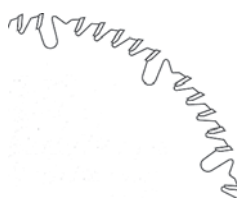


**Series 20™ Large Diameter Circular Saw Blades**

**DEWALT** Professional-quality thin kerf carbide saw blades produce a smooth finish w/minimal material waste. Computer-balanced plate reduces vibration for improved accuracy & better finish. Exclusive wedge shoulder design puts more steel behind each tip for increased durability & accuracy.

**General Purpose Combination** Alternate top bevel & raker. For table & miter saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>243114</b>	DW3184	8.25"	4.5"	5/8"	40	+15°	.050"	.076"	<b>\$35.50</b>
<b>243096</b>	DW3103	10"	4.5"	5/8"	32	+5°	.071"	.099"	<b>\$39.00</b>
<b>243102</b>	DW3114	10"	4.5"	5/8"	40	+15°	.071"	.099"	<b>\$44.10</b>



**Woodworking Combination Blade**

**DEWALT** Large C4 micrograin carbide teeth are precision-ground w/fine grit diamond wheels for an exceptionally smooth finish. Heavy-gauge lasercut hardened & tempered steel plate is precision-balanced for accurate cuts producing tight joints. Ultra-sharp cutting

edges reduce splintering & tear-out. Extra-hard carbide ensures cutting edges stay sharp. Laser-cut expansion slots minimize noise & edge vibration for excellent surface finish. Alternate top bevel & raker. For table saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>243229</b>	DW7640	10"	4.5"	5/8"	50	15°	.079"	.110"	<b>\$79.20</b>
<b>243228</b>	DW71050R	10"	4.5"	5/8"	50	15°	.087"	.125"	<b>\$91.20</b>

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**Diablo Wood Cutting**

**freud** Fine-finish blades leave a smooth surface requiring little to no sanding. Special-cutting geometry & high tooth count produce extremely smooth cuts while minimizing grabbing or blowout. Lets trim crews get the most from sliding or chop-style miter saws.

- Red Perma-Shield™ high-performance coating frees blade from gumming & corrosion
- Laser-cut stabilizer vents reduce vibration & heat
- Precision-tensioned, Hard-Core™ steel blade
- Thin, laser cut kerf
- High-density MicroGrain Carbide w/Titanium (TiCo™) tips are 4x sharper
- Tri-metal, shock-resistant brazing allows tips to w/stand extreme impact

**General Purpose Alternate top bevel grind. For table & miter saws.**

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412033	D1040X	10"	4.5"	5/8"	40	15°	.071	.098	\$48.80

**General Purpose Alternate top bevel grind. For miter saws.**

412038	D1244X	12"	5.5"	1"	40	15°	.071	.098	\$46.70
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**Combination Alternate top bevel grind. For table & miter saws.**

412034	D1050X	10"	4.5"	5/8"	50	15°	.071	.098	\$50.30
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**Fine Finish Hi-Alternate top bevel grind. For table saws (D1060X) & miter saws.**

412035	D1060X	10"	3.5"	5/8"	60	15°	.071	.098	\$54.10
412039	D1280X	12"	5"	1"	80	15°	.087	.118	\$77.00
412040	D1484X	14"	7"	1"	84	15°	.087	.118	\$105.00

**Ultra Fine Finish Hi-Alternate top bevel grind. For table & miter saws.**

412037	D1080X	10"	4.5"	5/8"	80	15°	.071	.098	\$72.40
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**Cabinetmaker's Crosscut Blade LU73R**

**freud** TiCo™ Hi-Density carbide blade includes a 38° Hi-ATB (Alternate Top Bevel) tooth grind that delivers excellent crosscuts in double-sided veneer plywood and double-sided melamine. With its Perma-SHIELD® non-stick coating and tooth geometry, this blade is designed primarily for heavy use in a cabinetmaker's shop. Ideal for cutting in hardwood, softwood, plywood, and chipboard in thicknesses from 1/2" to 2-3/4". For slide miter saw, table saw, radial arm saw & portable table saw.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412122	LU73R010	10"	2.75"	5/8"	60	10°	.087"	.126"	\$91.60
412123	LU73R012	12"	2.75"	1"	72	10°	.087"	.126"	\$129.00

**Industrial-coated Thin Kerf Combination**

**freud** Heavy-duty blade produced with extreme precision using lasers to cut the hardened blade body and tensioning machines to ensure the blade stays true and flat under load. Great for underpowered saws that need

full kerf stability. Anti-vibration blade with expansion slots. Perma-Shield™ permanent nonstick coating prevents heat build-up. Alternate top bevel, anti-kickback. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412179	LU83R010	10"	4.5"	5/8"	50	15°	.071	.091	\$68.30

**Cabinetmaker's Crosscut Blade LU73M**

**freud** Premium TiCo™ Hi-Density carbide blade is designed primarily for heavy use in a cabinetmaker's shop. Combining a 10° hook angle and the alternate top bevel tooth grind, this blade provides a good crosscut and long cutting life in hardwood, softwood, plywood, and chipboard. Ideal for cutting a wide

variety of materials most commonly used by cabinet makers in thicknesses from 1/2" to 2- 3/4" thick. For slide miter saw, table saw, radial arm saw, portable table saw.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412221	LU73M014	14"	6.5"	1"	84	10°	.84	.138	\$144.00

**General Purpose Chipboard LU82M**

**freud** Deep gullets allow ripping and crosscutting through hard and softwoods with ease for smooth, chipless cuts. Triple chip & flat grind. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412222	LU82M010	10"	4.5"	5/8"	60	10°	.087	.126	\$94.50

**Carbide-tipped Plywood & Melamine-cutting**

**freud** Flawless, chip-free edges in wood & laminates. Non-stick, Perma-Shield™ advanced technology blade features laser-cut, anti-vibration slots that nearly eliminate vibrations, extending blade life. High ATB tooth design for splinter-free cuts. No need for stabilizer or scoring blade. Hi-Alternate top bevel grind. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412214	LU80R010	10"	4.5"	5/8"	80	2°	.087	.126	\$113.00
412215	LU80R012	12"	5.5"	1"	96	2°	.087	.126	\$171.00

**Plastic-cutting Industrial**

**freud** Cuts acrylics, polycarbonates & other plastics, leaving a smooth finish w/out melting. Blades produce less heat keeping the cut edge crisp. Triple chip grind. For table saws & rip saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412216	LU94M008	8"	3.5"	5/8"	64	-3°	.087	.110	\$74.90
412217	LU94M010	10"	4.5"	5/8"	80	-3°	.087	.110	\$104.00

**Plastic-cutting**

**freud** Long-life, fast-cutting production blade for a perfect finish on 1-sided laminates & melamines on countertops & laminated floors. The triple chip grind provides excellent cuts in hard & soft wood & wood products. Thick MicroGrain, tri-metal brazing for impact-resistant carbide tips. Laser cut blade bodies & expansion slots. Kickback-reducing design. DuPont Teflon® coating for friction & heat resistance. Mfr.'s limited lifetime warranty. Triple chip grind. For table saws, miter saws, radial arm saws & panel saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412211	LU98R010	10"	4-5/8"	5/8"	80	5°	.087	.126	\$128.00
412213	LU98R012	12"	5.5"	1"	96	5°	.087	.126	\$151.00



**Fine Crosscut Construction**

**DEWALT** Professional quality thin kerf carbide saw blade produces a fast cut and a smooth finish with minimal material waste. Anti-stick coating reduces friction and gum-up. Ribbed head vents for reduced friction and binding. Computer balanced plate reduces vibration for improved accuracy & better finish.

Alternate top bevel grind. For table saws & miter saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>243222</b>	DW3128	12"	5.5"	1"	80	5°	.071	.099	<b>\$90.70</b>

**Industrial Thin Kerf Fine Finish Crosscut LU88R**

**freud** Laser-cut, pretensioned blade has Perma-Shield™ coating making it resistant to friction & heat build-up. Coating helps blade stay sharp longer. Thin kerf removes less wood, requires less HP & reduces climbing w/radial arm saws. Cleans up w/hot water. Alternate top bevel grind. For table, miter & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412207</b>	LU88R008	8"	3.5"	5/8"	48	15°	.063	.083	<b>\$59.20</b>
<b>412237</b>	LU88R010	10"	4.5"	5/8"	60	15°	.071	.090	<b>\$69.10</b>

**Industrial Ultimate Cut-off LU85R**

**freud** Receive a smooth-as-glass finish when crosscutting hard & softwoods & w/a minimal amount of side clearance. There's only .009" between the teeth & blade body. Laser-cut, pretensioned blade has Perma-Shield™ coating for less resistance to friction & heat build-up. Thin kerf removes less wood, requires less HP & reduces climbing w/radial arm saws. Cleans up w/hot water. Alternate top bevel grind. For table, miter & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412234</b>	LU85R010	10"	4.5"	5/8"	80	10°	.098	.116	<b>\$108.00</b>
<b>412236</b>	LU85R012	12"	5.5"	1"	90	10°	.098	.116	<b>\$163.00</b>

**Industrial Thin Kerf Ultimate Cut-off LU74R**

**freud** Laser-cut anti-vibration slots reduce vibration & sideways movement, extending blade life & producing a crisp, flawless finish. Great for crosscutting exotic hardwoods, softwood & moldings. Ideal for miter box applications. Blade removes less material than standard carbide blades, thus requiring less horsepower for quality results. Nonstick Perma-Shield™ coating. Alternate top bevel grind. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412229</b>	LU74R008	8"	3.5"	5/8"	64	10°	.071	.091	<b>\$68.40</b>
<b>412178</b>	LU74R010	10"	4.5"	5/8"	80	15°	.071	.098	<b>\$89.80</b>
<b>412182</b>	LU74R012	12"	5.5"	1"	96	15°	.071	.098	<b>\$128.00</b>

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**Premier Fusion General Purpose Blade**

**freud** Design fuses Freud's 30° Hi-ATB tooth with it's double-side grind tooth geometry for a smooth side finish while also giving a flawless top & bottom finish in veneered plywood, hardwoods & melamine. The ultimate combination of fused tooth grind geometry, blade body rigidity, precise tensioning, a special carbide blend & superior carbide brazing, non-stick Perma-Shield™ coating & high performance anti-vibration provide the ultimate cut. Polymer filler reduces vibration. Alternate top bevel grind. For table saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412316</b>	P410	10"	4.5"	5/8"	40	30°	.098	.126	<b>\$114.00</b>
<b>412317</b>	P412	12"	5.5"	1"	48"	30°	.098	.126	<b>\$139.00</b>

**Industrial Thin Kerf Sliding Compound Miter Saw**

**freud** Thin kerf industrial blade provides a superior finish cut with sliding compound miter saws. The 5° negative hook angle helps prevent the blade from being too aggressive and pushes the work piece down and towards the fence. Thin kerf blades

remove less material than standard carbide blades, thus requiring less horsepower to produce equally good results. Alternate top bevel grind. For miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412208</b>	LU91M008	8-1/2"	3.5"	5/8"	48	-5°	.017	.090	<b>\$65.90</b>
<b>412238</b>	LU91M010	10"	4.5"	5/8"	60	-5°	.017	.090	<b>\$76.30</b>
<b>412205</b>	LU91R010	10"	4.5"	5/8"	60	-5°	.017	.090	<b>\$86.30</b>
<b>412209</b>	LU91M012	12"	5.5"	1"	72	-5°	.017	.090	<b>\$96.10</b>
<b>412206</b>	LU91R012	12"	5.5"	1"	72	-5°	.017	.090	<b>\$110.00</b>

412205 & 412206|Nonstick Perma-Shield® Coating.

**Rip/Cut-off Construction Blade**

**DEWALT** Professional quality thin kerf carbide saw blade produces a fast cut & a smooth finish w/ minimal waste. Anti-stick coating reduces friction & gum-up. Ribbed head vents for reduced friction & binding. Exclusive wedge shoulder design for increased durability & accuracy. Computer-balanced

plate reduces vibration. Alternate top bevel grind. For table saws & miter saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>243098</b>	DW3112	10"	4.5"	5/8"	24	15°	.017	.099	<b>\$36.80</b>

**Industrial Heavy-duty Rip LM72M**

**freud** Excellent for precise finish cut when ripping hard & softwood. The combination of a rigid blade body & the razor-sharp, flat-top carbide teeth provide a precise cut. Flat grind, anti-kickback. For table saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
<b>412225</b>	LM72M010	10"	4.5"	5/8"	24	20°	.087	.126	<b>\$68.90</b>
<b>412226</b>	LM72M012	12"	5.5"	1"	30	20°	.118	.169	<b>\$95.00</b>

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**Industrial Thin Kerf Rip LU87R**

**freud** Give new life to underpowered saws & radial arm saws. Perma-Shield™ coated blade pulls less on the saw for more cutting power. Thin kerf blades remove less wood, requiring less HP to produce quality results. Cleans up w/hot water. Reduces radial arm saws climbing characteristics. Coating makes

blade resistant to friction & heat build-up. Pretensioned & laser cut to eliminate warping. Alternate top bevel grind. For table saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412223	LU87R010	10"	4.5"	5/8"	24	20°	.071	.094	\$53.00

**Marathon Rip/Cut-off Blade**

**Irwin** Lasts 40% longer & cuts 25% faster than the original Marathon. Deeper gullets remove chips quickly for faster, cooler running blade. Specially-engineered heat vents eliminate warping. Fully-hardened plate runs truer for more accurate cuts. Alternate top bevel grind. For table saws, miter saws & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
454472	I4070	10"	4.5"	5/8"	40	23°	.063	.067	\$37.30

**Classic Series**

**Irwin** Precision-ground teeth for smooth, accurate cuts. Corrosion-resistant coating helps prevent rusting. Professional performance for an economic price. Alternate top bevel. For table saws and table saws.

**Decks**

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
452679	I5270	10"	4.5"	5/8"	40	12°	.063	.106	\$24.90

**Framing / Ripping**

452678	I5070	10"	4.5"	5/8"	24	15°	.063	.118	\$17.50
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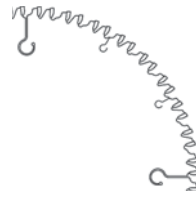
**Industrial Glue Line Ripping LM74R**

**freud** Triple chip tooth design produces extremely smooth, true surfaces for gluing and finish work (*no need for sanding or jointing afterwards*). Working range is 1/8" to 1" thick. High-density MicroGrain Carbide w/Titanium (TiCo™) blade. Non-stick Perma-Shield™ coating. Laser-cut, anti-vibration slots reduces vi-

bration (*no need for stabilizers*) & sideways motion giving a crisp, swirl-free finish. Heavy-duty thick kerf & plate ensure stable, flat blade for long cutting life. Alternate top bevel grind. For table & radial arm saws.

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412203	LM74R010	10"	4.5"	5/8"	30	12°	.098	.118	\$84.90
412204	LM74R012	12"	4.5"	1"	40	12°	.098	.118	\$105.00

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.

**Diablo Metal-Cutting**

**freud** Thin kerf blade w/Triple Chip Grind (TCG) tooth design for long life & clean, burr-free finish. Anti-vibration design & precision-tensioned steel plate provide critical protection against vibration, allowing a smoother, quieter cut. Red Perma-Shield™ high-performance coating frees blade from gumming

& corrosion. Laser-cut stabilizer vents reduce vibration & heat. Precision-tensioned, Hard-Core™ steel blade. Thin, laser cut kerf. High-density MicroGrain Carbide w/Titanium (TiCo™) tips. Tri-metal, shock-resistant brazing allows tips to w/stand extreme impact. Triple chip & flat grind. For table saws & miter saws.

**Non-Ferrous Metals / Plastics**

Stk.	Mfr.	Blade Dia.	Cutting Cap'y	Arbor	Teeth	Hook Angle	Plate	Kerf	Price
412036	D1080N	10"	4.5"	5/8"	80	-5°	.071	.091	\$76.10

**Table Saw Blade Stabilizers**

**freud** Reduces rim vibration, quiets saw whistle & reduces damage to carbide-tipped blades. Use w/ blades 7" to 12" dia. Not for hand-held power saws.



Stk.	Mfr.	Size	Price
412131	SC-001	5/8" Bore	\$22.70
412136	SC-002	1" Bore	\$22.70

**Table Saw Blade Bushings**

**freud** For reducing standard size arbor holes. Easily installed w/a tight fit to assure concentricity & smooth cuts. Machined bushings for best blade performance.

Stk.	Mfr.	Size	Price
412050	BL71MCE9	1"-5/8"	\$4.24

**BladeCote® Lubricant**

**Bostik** BladeCote® bonds to microstructure of metal saw blades, drills and router bits, creating a clear, micro thin coating that greatly reduces friction and extends blade life. Prevents resin and pitch buildup. Contains no silicone or petroleum oil, won't stain or interfere with glues or finishes.

Stk.	Mfr.	Size	Price
532812	BC-16	10.75 oz.	\$24.30

**Saw Blade Lubricant Stick**

**Olson** Prolong blade life & produce smoother, quicker cuts. Wax stick keeps metal, plastic & wood-cutting blades from clogging due to chips or pitch. Use on all power & hand-held cutting tool blades including scroll, circular, hack & jeweler's saw blades.

Stk.	Mfr.	Size	Price
613750	AC70010	8"L x 1" dia.	\$7.89

**Precision Bit & Blade Setup Bars**

**Kreg** Concave step on bottom straddles router bit or saw blade for precise height adjustment. Step on top gauges cut depth. Step end sets blade to fence, or bit to fence distance. Made from soft aluminum to prevent bit or blade damage.

**Includes** 7 setup bars: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" & 1/2" & case.

Stk.	Mfr.	Price
793904	PRS3400	\$48.60

## TABLE SAWS



### 10" Jobsite Table Saw w/Laser

#### Rockwell

- 10" table saw cuts 4 x 4
- Folding fence for extra wide cuts
- Exclusive laser indicator adjusts to blade tilt
- Fully assembled trolley stand for portability
- Best in class rip capacity

Cutting capacity: depth of cut 3-9/16", 45° bevel 2-9/16", rip 30"R.

Dado capacity 7/16"W. Table size 28-1/2" x 19".

Tool size 20"H x 45-1/2"L x 31.7"W. Tool weight 73.7 lbs.

**Includes** rip fence, miter gauge, push stick, riving knife, dust bag & stand.

Stk.	Mfr.	Volts	Phase	Speed	Price
<b>693857</b>	RK7241S	120	1	4.800	<b>\$560.00</b>



### 10" Jobsite Table Saw

**J E T** Heavy-duty 15 amp soft start motor, 25" right rip capacity, a riving knife and anti-kickback pawls for added safety and a heavy-duty folding stand with wheels for quick set-up and portability.

- Rubber hand grips on each end for ease in moving
- Dust shroud design enhances dust & chip removal

- Large telescoping extension wing provides 25" ripping capacity
- Aluminum extruded rails ensure a square fence & sliding precision
- Rear extension provides outfeed support & keeps the workpiece flat
- Riving knife system prevents kickback (*complies w/UL standards*)
- Push-button arbor lock for quick, easy blade change
- Quick-lock, smooth-sliding fence locks securely for accurate cuts
- Base design includes tool storage
- 3-yr. mfr.'s warranty

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/2", rip 25"R.

Dado capacity 3/16"W. Table size 24"L (30-1/4"L w/extension) x 21-25/32"W.

Tool size 20"H x 45-1/2"L x 31.7"W. Tool weight 90.39 lbs.

**Includes** telescoping extension wing, rails, quick-lock fence, rear extension, riving knife system, 2-1/2" dust port & mobile folding stand.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486112</b>	JBTS-10MJS	120	4.4	1	<b>\$821.00</b>



### 10" Contractor's Saw

#### General Intl.

- Deluxe, quick adjusting miter gauge
- Ruggedly built saw carriage
- Sturdy open base steel stand
- Large paddle-style stop switch

- Excalibur aluminum T-style rip fence system
- 2-1/2" dust port for dust collection systems
- Heavy-duty, precision cast iron, ribbed table w/miter gauge t-slots
- Smooth running, belt drive induction motor for quiet start-up, operation & long running life
- Arbor driven by 2-step belt, ensuring straightness & accuracy when blade is tilted
- Combination riving style splitter, see-through blade guard w/anti-kickback pawls plus European style riving knife

Cutting capacity: depth of cut 3-1/4", 45° bevel 2-5/16", maximum rip 30"R.

Dado capacity: 3/4". Table: 20"L x 25-1/4"W (40" w/extensions).

Tool size 66-1/2"L x 38"W x 43-1/2"H. Tool weight 233 lbs.

**Includes** saw, rip fence system & fixed leg steel stand.

**Please specify voltage. 110V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>420777</b>	50-090RCMI	110/220	2	1	<b>\$1,628.00</b>



### 10" Table Saw Model 64B

#### POWERMATIC

Left tilt arbor table saw offers 1-3/4 HP in dual voltage. Transparent blade guard has independent leaves, quick release riving knife reduces chance of kickback.

A low profile riving knife is included for non-through cuts. Arbor lock accessed from above the table, eliminating the need for dual blade wrenches.

Micro-adjust T-slot miter gauge has rack-and-pinion angle setting, positive stops and extension plate for expanded workpiece support. Work area is further expanded by the melamine-surfaced wood extension table. Storage hooks on the stand keep accessories within reach.

- Precision ground cast iron table & wings w/beveled edge
- Built-in extraction port increases dust collection efficiency
- Heavy cast iron trunnion ensures smooth blade positioning
- Chrome trimmed handwheels are ergonomically designed
- Accu-Fence® locks to rail w/out play
- 5-yr mfr.'s warranty

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/8".

Positive stops 45° & 90°. Dado capacity 13/16"W.

Table size 44-1/4"L x 27"W x 36"H (w/out extension).

**Includes** stand, Accu-Fence, extension table, 4" dust port, cast iron extension wings, miter gauge, blade guard & riving knife (*blade is required, sold separately*).

**Please specify voltage. 115V will be shipped if not specified.**

**Saw w/30" Fence** Rip 30"R, 12"L. Tool size 71-1/4"L x 43"W x 42"H. Weight 367 lbs. **Includes** 30" fence.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>656608</b>	1791229K	115/230	1-3/4	1	<b>\$1,882.00</b>

**Saw w/52" Fence** Rip 50"R, 12"L. Tool size 79-5/8" x 43"W x 42"H. Weight 414 lbs. **Includes** 52" fence & legs.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>656609</b>	1791230K	115/230	1-3/4	1	<b>\$1,986.00</b>



### 10" ProShop Table Saws

**J E T** Offers features expected from a high-end cabinet saw, in the compact design of a contractor-style machine. Transparent blade guard with independent leaves. Quick release riving knife reduces chance of kickback. A low profile riving knife is included for non-through cuts.

- Integrated arbor lock accessed from table top for rapid blade change
- Blade guard & riving knife quick release for mounting & removal
- Enclosed cabinet w/exclusive leg stand design for easy assembly
- Heavy-duty cast iron table w/T-style miter gauge slot
- Sloped cabinet floor & 4" dust port enhance dust collection
- Easy-to-reach control switch
- Rigid, left-tilting cast iron trunnion
- Powder coated paint for a long-lasting, chip-resistant finish
- 5-yr. mfr.'s warranty

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/8".

Table 44"L x 27"W x 34-3/4"H (w/extension).

**Includes** 10" x 40TPI blade, stand, miter gauge, blade guard & splitter.

**Please specify voltage. 115V will be shipped if not specified.**

**Saw w/30" Fence** Rip 30"R, 12"L. Size 60"L x 40"W x 41"H (w/extension). Weight 287 lbs. **Includes** 30" rail & fence kit & steel extension wing.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486015</b>	JPS-10TS-30	115/230	1-3/4	1	<b>\$1,462.00</b>

**Saw w/52" Fence** Rip 52"R, 12"L. Size 82"L x 40"W x 41"H (w/extension). Weight 312 lbs. **Includes** 52" rail & fence kit, 2 steel extension wings & wood extension table.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486016</b>	JPS-10TS-52	115/230	1-3/4	1	<b>\$1,645.00</b>



### 10" Left Tilt Contractor's Saw

#### DELTA

- Unique tubular stand for maximum support & stability
- Ease of mobility w/2 fixed & 1 swivel wheels

- Cast iron table top w/1 LH & 2 RH stamped steel extension wings
- Heavy-duty 1-pc. rail system for precision cuts
- Heavy-duty Biesemeyer style fence w/dual rip windows
- Brake stops blade within seconds of power being turned off
- Tool-less assembly of riving knife & anti-kickback pawls
- Tool-free split guard allows a true rise & fall riving knife w/lever on inside of throat plate
  - Large, easy access on/off switch
- Dust port size 2-1/2" hose w/4" adapter
  - Mfr.'s 5-yr. warranty

#### Prewired 120V.

**30" Fence** Max. Rip 30"R, 15"L. Table size 50"W x 27"D (w/wings). Tool size 57"W x 33"D x 44"H (w/fence). Tool weight 230 lbs.

**Includes** steel stand, integral dust chute, a T-Square® fence system, t-slot miter gauge, on/off switch, cast iron table, extension wings, see through blade guard with anti-kickback fingers & 10" carbide blade.

Stk.	Mfr.	Volts	Phase	Price
<b>738906</b>	36-5000	120/240	1	<b>\$1,231.00</b>

**52" Fence** Max. Rip 52"R, 15"L. Table size 76-1/2"W x 27"D (w/wings & extension board). Tool size 83"W x 33"D x 44"H (w/fence).

**Weight 245 lbs. Includes** steel stand, integral dust chute, a T-Square® fence system, t-slot miter gauge, on/off switch, cast iron table, extension wings, see through blade guard with anti-kickback fingers, 10" carbide blade, legs & wood extension table.

Stk.	Mfr.	Volts	Phase	Price
<b>738907</b>	36-5052	120/240	1	<b>\$1,455.00</b>



### 10" Tilting Arbor Saws Model 2000

**POWERMATIC** Wide stance trunnion saw with magnetic controls. Tilt scale offers easy marking and return to cutting reference. Riving knife with quick release for safer cuts.

- Stable cast iron base & trunnion provide virtually zero vibration
- Retractable casters eliminate need for mobile base
- Shrouded blade increases dust collection efficiency
- Poly V-belt drive w/longer lasting, efficient power transfer
- Micro-adjust miter gauge for quick miter angle fine tuning
- Cast iron extension wings enlarge work area
- Accu-Fence® accuracy
  - Blade w/quick & safe change arbor lock

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/8".

Positive stops 45° & 90°. Dado capacity 13/16"W.

Table w/extensions 30-1/2"L x 42"W. Size 85"L x 37"W x 34-1/2"H.

Weight 600 lbs. (saw only).

**Includes** magnetic controls, Accu-Fence, ext. table, poly V-belt, T-slot for heavy-duty miter gauge w/24" extension fence, R&L 8" extension wings, riving knife w/blade guard & anti-kickback pawls, 4" dust port, motor cover & pulley, enclosed stand w/retractable casters & arbor wrench.

#### Saws w/30" Accu-Fence Rip 30"R, 13-1/2"L

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656680</b>	1792002K	230	3	1	Magnetic	<b>\$3,231.00</b>
<b>656682</b>	1792012K	230	5	1	Magnetic	<b>\$4,043.00</b>
<b>656685</b>	1792007K	230/460	5	3	Magnetic	<b>\$3,231.00</b>

#### Saws w/50" Accu-Fence Rip 50"R, 13-1/2"L

<b>656681</b>	1792000K	230	3	1	Magnetic	<b>\$3,341.00</b>
<b>656683</b>	1792010K	230	5	1	Magnetic	<b>\$4,121.00</b>
<b>656684</b>	1792005K	230/460	5	3	Magnetic	<b>\$3,341.00</b>

656685 & 656684|Please specify voltage. 230V will be shipped if not specified.



### 10" Deluxe Xacta® Tilting Arbor Saws

**JET** Features poly V-belt drive system for smooth operation and optimal power transfer, 30" or 50" Commercial Xacta Fence II w/T-square design, large cast iron wings (26" x 30") and 29" deep table.

- Quick-release riving knife greatly reduces binding/kickback risk
- Easy-reach, rail-mounted magnetic switch allows overload protection
- Enclosed cabinet w/built-in sealed storage drawer (12.5" x 18" x 4")
- Hinged motor cover gives quick access to motor & belts
- Deluxe miter gauge w/adj. positive stops & large soft grip handles
- Heavy-duty handwheels provide smooth trunnion/arbor movement
- L-tilt, wide-stance heavy-duty trunnion for stability, smooth blade positioning
- Fully-shrouded blade for efficient dust collection
- Precision-ground cast iron table w/front edge bevel for easy positioning
- Push-button arbor lock for rapid blade changes
  - 4" port
- Long-lasting powder-coated paint
  - Mfr.'s 5-yr. warranty

Cutting capacity: depth of cut 3", 45° bevel 2-1/8".

Rip (30" or 50" fence) 30" or 50"R, 13"L. Positive stops 45° & 90°.

Dado capacity 13/16"W. Table size 20"L (42"L w/extensions) x 29"W x 34"H.

Tool size 65"L (30" fence) or 85" (50" fence) x 36"W x 38"H.

Tool weight 490 lbs. (30" fence) or 510 lbs. (50" fence).

**Includes** Xacta Fence II, deluxe miter gauge, 2 cast iron extension wings, enclosed cabinet w/drawer & arbor wrench (blade sold separately).

#### Saws w/ 30" Fence

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485685</b>	JTAS-10XL30-IDX	230	3	1	Magnetic	<b>\$2,603.00</b>
<b>485687</b>	JTAS-10XL30-5/ID	230	5	1	Magnetic	<b>\$2,950.00</b>

#### Saws w/ 50" Fence & Legs

<b>485686</b>	JTAS-10XL50-IDX	230	3	1	Magnetic	<b>\$2,777.00</b>
<b>485688</b>	JTAS-10XL50-5/ID	230	5	1	Magnetic	<b>\$3,008.00</b>



### 10" Tilting Arbor Saw

#### General Intl.

- Combination riving style splitter & see-through blade guard w/anti-kickback pawls
- 44" x 27" cast-iron table w/2 extension wings
- 4" port for dust collection
- Magnetic safety switch w/emergency stop button
- Rugged saw carriage w/solid cast-iron cabinet mounted trunnions
- Large motor access door for quick cleaning & easier maintenance
- Convenient arbor lock for fast one-tool blade changes
- Easy-adjust, T-fence design rip fence system
- Multi-groove V-belt drive for longer belt life & efficient power transfer

Cutting capacity: depth of cut 3", 45° bevel 2-1/8".

Rip (30" or 50" fence), 30" or 50"R, 12"L. Positive stops at 45° & 90°.

Dado capacity 13/16". Table 27"L (44"L w/extensions) x 20"W x 36-3/4"H.

Weight 371 lbs.

**Includes** miter gauge, 2 extension wings, T-fence w/guide rails, European riving knife, combination riving knife w/blade guard, 4" dust port, arbor wrench & stand.

#### Saw w/30" Fence

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420772</b>	50-275RMI	230	3	1	Magnetic	<b>\$2,625.00</b>

#### Saw w/50" Fence, Table & Legs

<b>420773</b>	50-275RLKMI	230	3	1	Magnetic	<b>\$2,783.00</b>
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### 10" Unisaw

**DELTA** Single-cast trunnion system offers vibration control with continuous smooth operation and accuracy. Sure-Lock™ dual front cranks make adjusting blade height and bevel accurate, and repeatable.

- USA-made Marathon Motor provides added power (4,000 rpm)
- Larger table provides 15" workpiece support in front of the blade
- Large blade opening eases fine tuning riving knife & blade changes
- Push-button, I-wrench arbor lock simplifies blade changes
- Large, multi-directional, easy-access on/off switch can be activated from any angle, sturdy mounting bracket allows knee/foot operation
- Drawer stores 5 blades, 2 riving knives, arbor nut flange, split guard assembly, push stick, arbor wrench w/XL handle & throat plate
- Bi-level dust extraction uses 1 collector hose coupled w/sloping lower cabinet to navigate dust (sealed bevel gauge)
- Black-precision Biesemeyer® fence system provides hairline pointer & built-in tape for precision set-ups, cut after cut
- 9-ply fence faces w/improved tolerances & cam front lock lever provides overlock w/curved edge
- Large, cast-iron base cabinet
- Tool-free split guard w/true rise-&-fall riving knife & easier line-of-sight w/ blade & workpiece
- 5-yr. mfr.'s warranty
- USA made

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/8".

Rip (w/36" or 54" fence) 36" or 52"R, 13-1/2"L.

Positive stops 45° & 90°. Dado capacity 1-1/8"W.

Table 31"L x 42"W x 35"H x 71"L (36-L336) x 87"L (36-L52 & 36-L552).

Tool size w/wing 84"L x 42"W x 41"H. Tool weight 624-671 lbs. (shipping).

**Includes** Biesemeyer fence, table board & fence legs (2" x 2" x 34-1/4").

#### Saw w/36" Fence

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>738893</b>	36-L336	230	3	I	Push-Button	<b>\$2,651.00</b>

#### Saw w/52" Fence

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>738892</b>	36-L352	230	3	I	Push-Button	<b>\$2,713.00</b>
<b>738891</b>	36-L552	230	5	I	Push-Button	<b>\$2,855.00</b>

#### Mobile Base. For 36-L336.

<b>760440</b>	50-2000					<b>\$339.00</b>
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#### Mobile Base. For 36-L352 & 36-L552.

<b>760441</b>	50-257					<b>\$363.00</b>
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### 10" PM1000 Table Saws

#### POWERMATIC

- Conveniently located hands-free power switch
- Tool-less guard assembly w/independent side leaves is easy to use, maximizing safety
- Blade surround & collection hose provide an unobstructed path, maximizing dust collection
- Sturdy miter gauge pivots 60° to either side
- AccuFence provides rigidity & precision
- Poly V-belt drive system reduces vibration & maximizes efficiency
- Ergonomically designed 7" handwheels provide momentum making blade height & bevel adjustments easy
- Arbor lock allows for 1 handed blade changes w/minimal tools
- Cast iron work surface features a beveled edge
- 5-yr. mfr.'s warranty

Cutting capacity: depth of cut 3-1/8", 45° bevel 2-1/8".

Rip 30"R (1791000K), 52"R (1791001K). Dado capacity 13/16"W.

Table size 20" x 27". Tool size 24-1/2"L x 23"W x 34-1/4"H.

Tool weight 330 lbs.

**Includes** AccuFence, extension wings & miter gauge.

#### Prewired 115V.

#### Saw w/30" AccuFence

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656555</b>	1791000K	115/230	1-3/4	I	Magnetic	<b>\$2,268.00</b>

#### Saw w/52" AccuFence **Includes** extension table & legs.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656556</b>	1791001K	115/230	1-3/4	I	Magnetic	<b>\$2,382.00</b>



### 10" Tilting Arbor Table Saw

**General Intl.** Left-tilt saw features a combination riving-style splitter and see-through blade guard with antikickback pawls, plus a second European-style riving knife. Powerful 2 HP motor with multi-groove V-belt drive for longer

belt life and more efficient transfer of power.

- Large precision-ground cast iron table w/2 extension wings
- Rugged saw carriage w/solid cast iron cabinet-mounted trunnions
- Large motor access door for quick cleaning, easier maintenance
- Arbor lock provides fast 1-tool blade changes
- Sturdy, easy-adjust T-fence design rip fence system
- Large, paddle-style stop switch
- Onboard tool storage

Cutting capacity: depth of cut 3", 45° bevel 2-1/4", rip 30"R, 8"L.

Positive stops 45° & 90°. Dado capacity 13/16"W.

Table size 20"L (44" w/extensions) x 27"W x 36"H.

Tool size 20"L x 20"W x 36"H. Tool weight 321 lbs.

**Includes** riving-style splitter & riving knife, anti-kickback pawls, T-fence w/ guide rails, 2 cast iron table wings, trunnions, miter gauge, see-through blade guard & splitter, table insert & steel cabinet, 4" dust port & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420770</b>	50-200RM1	115/230	2	I	Paddle	<b>\$1,845.00</b>

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### 14" Tilting Arbor Saw Model PM3000

**POWERMATIC** Heavyweight performance plus multiple innovations to the table saw arena. Poly V-belt drive system has quieter, more efficient power transfer with virtually no

vibration and less heat build-up. Wide-stance trunnion and concave teeth on trunnion gears promote smooth blade raising/tilting. Easy-access controls, large stop switch.

- Quick-release riving knife greatly reduces binding/kickback risk
- Push-button arbor lock for rapid blade change
- Industrial-duty Accu-Fence® System ensures accurate cuts
- Enclosed cabinet w/wide stable footprint & sloped cabinet floor
- Heavy-duty micro-adjustable miter gauge w/aluminum extruded fence, for workpiece guidance & fine angle adjustments
- Adjustable angle indicators on the blade bevel scale for repeat cuts
- Precision-ground, high-luster cast iron table top w/front-edge bevel prevents snagging of workpiece while positioning • 4" dust port

Cutting capacity: depth of cut 5-1/8", 45° bevel 3-1/2", rip 50"R, 14"L.

Positive stops 45° & 90°. Dado capacity 13/16"W.

Table size 26"L (48"L w/extensions) x 38"W x 35"H.

Tool size 26"L x 38"W x 35"H. Tool weight 820 lbs. (shipping).

**Includes** magnetic controls, 50" Accu-Fence® system, miter gauge, R & L table wings, 33" Duramine™-surfaced extension table & legs, enclosed stand, arbor wrench, motor cover & 4" dust port.

**Please specify voltage. 230V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656501</b>	1720305K	230/460	7.5	3	Magnetic	<b>\$5,553.00</b>



### T-Square Fence & Rail System



- 14 ga. 2" x 3" welded rectangular steel, mounted to 1/4" section angle iron rail
- Attaches to Delta & most other table saws w/cast iron tables

- Laminated 9-ply birch plywood sides are durable & non-marring
- 3-point locking system w/twin hairline pointers assure fence is parallel to blade & accurate to within 1/64"
- Quick fence removal for locating on either side of blade for consistent ripping capabilities • Mfr.'s 2-yr. warranty

Rip capacity 12" left. Fence 42"L x 2-1/2"H.

Stk.	Mfr.	Rip Capacity	Price
<b>764522</b>	BC30T2	30"R, 64"L Rail	<b>\$523.00</b>
<b>764516</b>	BC50T2	50"R, 84"L Rail	<b>\$597.00</b>

### T3 Fence System



- Fence locks securely to front guide rail allowing for fence attachments
- Easy-gliding steel tube fence body to handle quick, repetitive cut-off work, precision ripping & squaring cuts

- Extruded aluminum face attaches to solid-steel angle iron & tubing for years of continuous use • Mfr.'s 2-yr. warranty

Rip capacity 13-1/2" left. Fence 37"L x 2-1/2"H. Rail 57-1/2"L.

**30"R Rip Capacity Includes** fence system.

Stk.	Mfr.	Price
<b>739231</b>	36-T30T3	<b>\$264.00</b>

**50"R Rip Capacity Includes** fence system, extension table & legs.

Stk.	Mfr.	Price
<b>739232</b>	36-T50T3	<b>\$428.00</b>

### Blade Guard & Splitter Assemblies

#### POWERMATIC

Stk.	Mfr.	Item	Price
<b>660184</b>	2250116	For 10" Saws	<b>\$240.00</b>
<b>660583</b>	2250154	For 14" Saws	<b>\$342.00</b>



### Overarm Blade Cover System w/Dust Collection

**Excalibur** Unique mounting bracket pivots arm away or removes completely in sec. Easy-install & simple-use, connect to 4" dust hose.

- Heavy-duty, see-through blade cover w/spring loaded swing arm raises & lowers to suit stock thickness
- 4" main boom w/telescopic 3" inner boom
- Maximize dust collection w/any dust collector & maintain safety

Distance between blade & end of extension table 39-3/4" to 69-5/8"

**Shown with saw, sold separately.**

**Fits most 10" Saws** Blade cover dimension 3-1/8" x 17"

Stk.	Mfr.	Price
<b>420765</b>	50-EXBC10	<b>\$578.00</b>

**Fits most 12"-14" Saws** Blade cover dimension 3-1/8" x 20-1/8"

Stk.	Mfr.	Price
<b>420766</b>	50-EXBC14	<b>\$756.00</b>



### EZ Pro Jointer Clamp Kit

**General** Straight-line rip crooked boards using a table saw. Attach crooked board to a piece of straight stock using jointer clamps & run the stock along the rip fence. Works in two passes. Swing arm design allows accurate ripping of wide boards with ease.

**Includes** 2 clamps & 4 thumb screws.

Stk.	Mfr.	Price
<b>419635</b>	846	<b>\$19.00</b>

### 8" Dado Head Table Insert

**DELTA** For Dado Head Set models 35-535, 35-560 & 35-825.

Stk.	Mfr.	Price
<b>731597</b>	34-264	<b>\$60.80</b>

### Standard Replacement Table Insert

**DELTA** Use w/Delta Contractor's Saws, Cabinet Saws & Unisaws.

Stk.	Mfr.	Price
<b>731319</b>	34-154	<b>\$57.50</b>

### Table Saw Insert Plates

**POWERMATIC** For Model PM2000.

**Includes** leveling screws.

Stk.	Mfr.	Item	Price
<b>656675</b>	1791786	Zero Clearance Insert	<b>\$94.60</b>
<b>656676</b>	1791788	Dado Insert	<b>\$94.60</b>

*We're experts when it comes to setting up your classroom, shop & lab.*  
**Call us at 800-831-5904.**



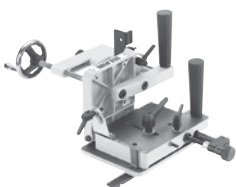
### Universal Tenoning Jig

**DELTA** Ergonomic handles assist w/ quick-release coarse adjustments & micro adjustments to .004".

- Universal miter bar for use w/all table saws with 3/8" x 3/4" miter slots

- Adjustable 90° positive stop for accurate repetitive cuts
- 90° to 45° back stop w/adj. 90° positive stop to secure angular stock
- Multiposition control levers for convenient easy adjustment
- Better locking leverage, extra-large crank handle for fast, easy clamping
- Built-in provisions for adjustment & alignment to maintain cutting accuracy

Stk.	Mfr.	Price
<b>731465</b>	34-184	<b>\$162.00</b>



### Tenoning Jig

**Shop Fox** Heavy cast iron construction and precision adjustment points combine to produce perfect tenons for mortise and tenon joinery. Adjusts for angled tenon cutting set-ups. Standard 3/8" x 3/4" miter bar fits all miter gauge slots including T-slots.

Stk.	Mfr.	Price
<b>785690</b>	D3246	<b>\$117.00</b>



### Safety Switch Keys

**DELTA** Removable key & on/off switch w/key fit most Delta machines w/removable key-type toggle switches.

Stk.	Mfr.	Item	Price
<b>766601</b>	1343758	1-Prong Switch Key	<b>\$5.70</b>
<b>766604</b>	489105-00	On/Off Switch w/Key	<b>\$15.90</b>



### Deluxe Miter Gauge

**DELTA** Heavy-duty gauge fits table saws with 3/8" x 3/4" miter grooves. Guide bar adjusts to fit miter slots w/minimum tolerances. Positive stops at all common angles.

Stk.	Mfr.	Price
<b>736076</b>	34-929	<b>\$57.00</b>



### Precision Miter Gauge

**Kreg** Factory calibrated positive stops at 0°, 10°, 22-1/2°, 30° & 45°. Vernier scale adjusts to 1/10th degree. Brass T-slot bar w/5 adjusters eliminates bar & miter slot play. 24" air-craft-grade aluminum fence w/swing stop. Anodized finish.

Stk.	Mfr.	Item	Price
<b>793874</b>	KMS7102	Gauge w/24" Fence & Flipstop	<b>\$151.00</b>
<b>793875</b>	KMS7101	Gauge Only	<b>\$129.00</b>



### Microdial Tapering Jig

**Micro Jig** Cut tapers with surgical precision using the intuitive Colomatch™ system. Switch quickly & easily between 2 tapers on a single workpiece.

Stk.	Mfr.	Price
<b>534625</b>	TJ-5000	<b>\$143.00</b>

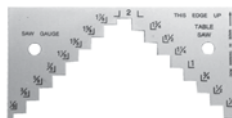


### ZeroPlay Guide Bar System

**Micro Jig** Create perfectly square cross cut jigs without trial and error. Miter bar (9-1/2"L) that has 2 stacked half bars with opposing wedges that expand to fit the exact width of a standard miter slot for a perfect fit and smooth glide.

**Includes** 2 bars, 2 stops & shop build clamp plan.

Stk.	Mfr.	Price
<b>534650</b>	ZP9-B2S2	<b>\$36.70</b>



### Saw Step Gauge

**Robert Larson** Extruded aluminum gauge gives an exact setting instantly. Makes accurate setup of table saws, radial arm saws, etc. a quick & easy process. Works w/rip fence from 1/8"-2" & 1/4"-2". Stamped, English fractional graduations front & back.

Stk.	Mfr.	Price
<b>768882</b>	825-3275	<b>\$6.67</b>



### GlideCote® Lubricant

**Bostik** Quick, easy application eliminates hang-ups on sliding surfaces (metal, laminate & plastic). Reduces sliding friction on table saws, receiving tables, drill presses, lathes, planers, band saws, miter saws, panel saws and hand tools. Up to 30% slicker and lasts 3x longer than paste wax. Won't stain wood or interfere with glues or finishes.

**CFC- & ODC-free. Meets VOC, EPA, CARB, AQMD & OTC standards.**

Stk.	Mfr.	Size	Price
<b>532811</b>	V207501	10.75 oz.	<b>\$20.30</b>



### MJ Table Saw Splitters

**Micro Jig** Affordable solution will dramatically increase saw safety. Simple design, easy installation & intended for everyday use. Cutting results are precise & virtually burn free.

**1/8" Kerf MJ Splitter** Use w/ 1/8" kerf saw blades. For kerf ranges between 0.122" to 0.14". **Includes** 7/16" drill bit, four #8 x 1/2" wood screws, drill guide & 2 MJ splitters.

Stk.	Mfr.	Price
<b>534610</b>	SP-0125	<b>\$26.20</b>

**Thin Kerf MJ Splitter** Use w/thin kerf saw blades. For kerf ranges between 0.090" to 0.118". **Includes** 5/32" drill bit, four #8 x 1/2" wood screws, drill guide & 2 MJ splitters.

Stk.	Mfr.	Price
<b>534611</b>	SP-0100TK	<b>\$26.20</b>



### SteelPro Table Saw Splitters

**Micro Jig** 100% polycarbonate shell reinforced w/solid stainless steel foundation. Able to take the stress caused by many solid woods. Greatly reduces the chance of kickback & virtually eliminates burning. Simple to use, easy to install.

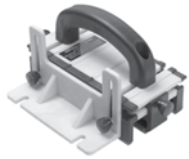
**Includes** 3/16" drill bit, rear adjustable drill guide base, drill guide, 4 splitters & 4 kerf keepers. **Shown w/Saw, sold separately.**

**Blue 1/8" Kerf Model** Designed specifically for 1/8" kerf 10" saw blades. Kerf range .118" - .145".

Stk.	Mfr.	Price
<b>534615</b>	SP-2	<b>\$42.00</b>

**Orange Thin Kerf Model** Designed for 10" thin kerf saw blades. Kerf range .090" - .118".

Stk.	Mfr.	Price
<b>534616</b>	SP-2TK	<b>\$42.00</b>

**GRR-Ripper 3D Push Block Systems**

**Micro Jig** GRR-Ripper provides a safe way to manually feed wood through table saws. Excels w/router work, band saw operations & jointer feeding.

Stk.	Mfr.	Price
<b>534600</b>	GR-100	<b>\$61.20</b>

**Advanced GRR-Ripper** Includes adjustment spacer & stabilizing plate.

Stk.	Mfr.	Price
<b>534602</b>	GR-200	<b>\$81.60</b>

**Push Blocks**

**Shop Fox** High-impact molded plastic w/natural rubber friction pad. Firmly grips workpiece

keeping fingers away from cutting tool. Bright, safety-orange color

Stk.	Mfr.	Item	Price
<b>785663</b>	W1400	Small	<b>\$5.52</b>
<b>785664</b>	W1401	Large	<b>\$9.68</b>

**Table Saw Safety Kit**

**Shop Fox** 4 essential jigs for safe table saw operation. Featherboard fits 3/8" x 3/4" miter slots. Made of high visibility yellow plastic.

**Includes** two push blocks, push stick & featherboard, plus combination saw & router gauge.

Stk.	Mfr.	Price
<b>785725</b>	D4061	<b>\$18.50</b>

**Push Bloc™**

**Bench Dog** Ideal for use on jointers, router tables & table saws. Guide workpieces w/superior control. Bench Cookie™ base material for maximum gripping strength. Rigid durable body delivers support. Rubberized, ergonomic handle.

Stk.	Mfr.	Price
<b>235411</b>	10-033	<b>\$15.10</b>

**Push Stick**

**Shop Fox** Keeps hands a safe distance from blades & cutters. Maintains control of the workpiece against machine fences. A necessity when running narrow stock. Durable handle offers maximum control.

Stk.	Mfr.	Price
<b>785659</b>	D3122	<b>\$10.70</b>

**Blade Changing Tool**

**Bench Dog** Blade-Loc® protects hands plus prevents contact between the blade and wrench. Fits all 10" table saws and blades. Helps eliminate bent blades, chipped teeth, cut fingers and scratched blade coatings.

Stk.	Mfr.	Price
<b>235410</b>	10-001	<b>\$13.90</b>

**Feather-Loc™ w/Slot Adapter**

**Bench Dog** Allows you to hold the stock in 1 hand & adjust featherboard tension w/the other hand. Advanced tip design ensure the tool fully contacts your workpiece without marring. The feather angle is a perfect balance of holding power & kickback resistance. Fits all standard 3/8" x 3/4" miter gauge slots. Use 1 featherboard on the table saw surface, place it before the saw blade.

**Includes** mounting bolts, knobs & instructions.

Stk.	Mfr.	Price
<b>235420</b>	10-005	<b>\$17.60</b>

**Tru-Flex™ Featherboard**

**Kreg** Prevents chattering & dangerous kickback. Provides consistent, optimum pressure. Durable plastic body. Wedge-lock system secures to a variety of shop tools w/out additional hardware.

Stk.	Mfr.	Price
<b>793881</b>	PRS3010	<b>\$19.80</b>

**Tool Saver Machine Cover**

**HTC Products** Helps prevent condensation from forming on workshop machines as well as keeping moisture, dust, and other elements away. Rugged cotton sheeting coated with a special plastisol allows it to breathe yet remain water resistant. Roll hem with rubberized magnets on each corner holds cover in place.

**Shown w/machine, sold separately.**

Stk.	Mfr.	Size	Price
<b>476512</b>	TS-9056	36" x 56"	<b>\$28.80</b>
<b>476513</b>	TS-9072	56" x 72"	<b>\$46.80</b>
<b>476514</b>	TS-9112	72" x 112"	<b>\$65.00</b>

**JOINTERS****6" Midi-Bench Jointer****DELTA**

- Durable cast iron construction provides stability & reduces vibration
- Precision-machining of the table & fence ensures long term accuracy
- Aluminum cutterhead w/2 knives
- Simple jackscrew arrangement offers easy adjustment when changing knives
- Built-in dust blower ejects chips efficiently & virtually eliminates clogged dust chutes

Cutterhead: 1-7/8" dia., 10,000 rpm. 2 HSS knives. 20,000 cpm. Cutting capacity 6"W x 1/8"D. Positive stops +/-45° & 90°. Fence 4-5/16"H x 22-7/8"L, tilt 45° & 90° in/out. Table size 28-1/2"L x 6-1/4"W x 12-1/4"H. Tool size 28-1/2"L x 17"W x 12-1/4"H. Tool weight 76 lbs.

**Includes** 2 push blocks.

Stk.	Mfr.	Volts	Phase	Controls	Price
<b>738973</b>	37-071	120	1	Push-button	<b>\$419.00</b>

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### 6" Jointers

**POWERMATIC** Powerful jointer with 3-knife cutterhead. Features 66" oversized adjustable infeed and outfeed table mounted on dove-tailed ways. The 2-way tilting fence is equipped with 90° and 45° positive stops.

- Spring-loaded front guard & fixed rear guard
- Conveniently-mounted center fence controls
- 3 Auto-Set knives automatically align in standard cutterhead
- 38" extra-long, 2-way tilting fence w/positive stops provides quick positioning for 90° or bevel cuts
- Fine/quick adjustment lever on infeed table for precision-controlled depth-of-cut
- Rabbeting ledge is built into the tables
- Enlarged sheet metal steel stand
- 5-yr. mfr.'s warranty

Cutterhead: 2-1/2" dia. 6,000 rpm. Standard 3 HSS knives, 13,500 cpm. Helical forty 4-sided knife inserts. Cutting capacity 6"W x 1/2"D. Rabbeting depth 1/2". Positive stops +/-45° & 90°. Fence 4"H x 38"L, tilt 45° in/out. Table size 66"L x 7-1/4"W x 31-1/2"H. In & outfeed table 66"L. Tool size 66"L x 24"W x 37-1/2"H. Weight 328 lbs.

**Includes** 3-knife cutterhead w/guard (1791279DXK) or helical cutterhead (1791317K), 2-way tilting fence, stand & 4" dia. dust port.

**Please specify voltage. 115V will be shipped if not specified.**

#### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656640</b>	1791279DXK	115/230	1	1	Push-button	<b>\$1,200.00</b>

#### Helical Cutterhead

<b>656669</b>	1791317K	115/230	1	1	Push-button	<b>\$1,680.00</b>
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### 6" Deluxe Jointers

**General Intl.** Heavy-duty, 3-knife cutterhead for clean, fast, superior finish cuts. Large, heavy-duty, center-mounted cast iron fence features 45° and 90° positive stops.

- 55-1/4" surface-ground cast iron tables add stability & support

- Jackscrew system for quick, easy knife adjustment
- Independent infeed & outfeed table adjustment handwheels
- Large paddle-style stop switch
- Built-in rabbeting ledge
- 2 paddle-style push blocks w/on-board storage
- 4" dust port
- CSA Approved

Cutterhead: 2-1/2" dia., 4,800 rpm. Standard 3 HSS knives, 14,400 cpm. Helical 16 carbide 4-side knife inserts. Cutting capacity 6"W x 1/2"D. Rabbeting depth 1/2". Positive stops +/-45° & 90°. Fence 4"H x 29"L, tilt 45° in/out. Table size 55-1/4"L x 7-1/4"W x 30"H. In & outfeed table 55-1/4"L. Tool size 14"L x 24"W x 37"H. Tool weight 249 lbs.

**Includes** 3-knife cutterhead w/guard (80-100LM1) or helical cutterhead (80-100LHCM1), push blocks, 2-way tilting fence, enclosed stand, 4" dust port & manual.

**Please specify voltage. 110V will be shipped if not specified.**

#### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420810</b>	80-100LM1	110/220	1	1	Paddle	<b>\$1,357.00</b>

#### Helical Cutterhead

<b>420811</b>	80-100LHCM1	110/220	1	1	Paddle	<b>\$1,890.00</b>
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### 6" Long Bed Jointer

**JET** Jointer offers powerful 1 HP, TEFC motors, spring-loaded front guards and fixed rear guards, industrial push-button controls and large cast iron tables with precision-machined finish.

- 3 high-speed steel quick change knives provide rapid cutting, a superior finish & eliminates the need for a knife setting gauge

- Extra-long heavy-duty cast iron infeed & outfeed tables w/precision machined finish
- Built-in rabbeting ledge adds versatility
- 2-way tilting fence with positive stops at 45° & 90° to handle bevel operations
- Exclusive front-mounted table adjustment handwheels make quick, easy & accurate corrections
- Industrial push-button controls are conveniently placed for easy access
- Built-in dust chute w/4" port
- Center fence controls are conveniently mounted to allow quick adjustments
- Powerful 1 HP motor easily handles the toughest jointing tasks
- Heavy-duty, 1-piece steel closed stand includes mounting tabs for increased stability

Cutterhead: 2-7/16" dia., 6,000 rpm. Standard 3 HSS knives, 14,400 cpm. Cutting capacity 6-1/16"W x 1/2"D. Rabbeting depth 1/2". Positive stops 45°R, 90° in/out. Fence 3-7/8"H x 32-3/4"L, tilt 45° in/out. Table size 56"L x 7-3/8"W x 31-1/4"H. Tool weight 237 lbs.

**Includes** quick change knives, 2-way tilting fence, heavy-duty 1-piece enclosed steel stand w/mounting tabs & 4" dust port.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485984</b>	JJ-6CSDX	115/230	1	1	Push-button	<b>\$1,080.00</b>

**Standard Universal Mobile Base** 18" sq. to 24" sq., 600 lb. capacity. 1/2" clearance.

<b>486113</b>	JMB-UMB					<b>\$114.00</b>
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### 8" Jointers

**JET** Heavy-duty 3-knife cutterhead (JJ-8CS) or helical cutterhead (JJ-8HH) produce superior finishes. TEFC motor. Large cast iron table with precision-machined finish and large adjustment handwheel with locking knob ensure accuracy.

- Center-mounted, 2-way tilt cast iron fence w/45° & 90° positive stops & easy-reach, quick-adjust controls
- Dovetailed table ways allow adjustment for continued accuracy (JJ-8CS)
- Rabbeting ledge is built into the table for versatility (JJ-8CS)
- Infeed & outfeed tables easily adjusted w/handwheel
- High- or low-mount paddle on/off switch (JJ-8HH)
- 5-yr. mfr.'s warranty

Cutterhead: 3-3/8" dia., 5,500 rpm. 3 HSS knives, 16,500 cpm. Helical forty 4-sided knife inserts. Cutting capacity 8"W x 1/2"D. Rabbeting depth 1/2". Positive stops 90°, 45°. Fence 4"H x 38-1/2"L, tilt 45° in/out. Table size 66-1/2"L x 9"H. Tool size 66-1/2"L x 23-1/2"W x 42"H. Tool weight 398 lbs.

#### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485886</b>	JJ-8CS	230	2	1	Magnetic	<b>\$1,740.00</b>

#### Helical Cutterhead

<b>486012</b>	JJ-8HH	230	2	1	Push-button	<b>\$2,198.00</b>
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### 8" Deluxe Jointers

**General Intl.** Heavy-duty, 3-knife cutterhead for clean, fast, superior finish cuts. Motor mounted on vibro-eliminators for smooth, quiet operation. Large, heavy-duty, center-mounted cast iron fence

features 45°, 90° and 135° positive stops.

- Convenient front-to-back fence adjustment handwheel
- 72" surface-ground cast iron tables add stability & support
- Jackscrew system for quick, easy knife adjustment
- Independent infeed & outfeed table adjustment handwheels
- 2 hand-paddle push blocks w/on-board storage
- Magnetic switch for added safety
- Built-in rabbeting ledge
- 4" dust port
- CSA Approved

Cutterhead: 3" dia., 5,500 rpm. Standard 3 HSS knives, 16,500 cpm.

Helical forty 4-sided knife inserts. Cutting capacity 8"W x 1/2"D.

Rabbeting depth 1/2". Positive stops +/-45° & 90° & 135°.

Fence 4"H x 38"L, tilt 45° & 135° in/out. Table 74-1/4"L x 9-1/4"W x 31"H.

In & outfeed table 72"L. Tool size 17"L x 29"W x 35"H. Weight 572 lbs.

**Includes** 3-knife cutterhead w/guard (80-200LM1, 80-200CM2) or helical cutterhead (80-200LHCM1, 80-200LHCM2), push blocks, 3-way tilting fence, enclosed stand, 4" dust port & manual.

#### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420812</b>	80-200LM1	220	2	1	Magnetic	<b>\$2,639.00</b>
<b>420814</b>	80-200LM2	220	2	3	Magnetic	<b>\$2,639.00</b>

#### Helical Cutterhead

<b>420813</b>	80-200LHCM1	220	2	1	Magnetic	<b>\$3,401.00</b>
<b>420815</b>	80-200LHCM2	220	2	3	Magnetic	<b>\$3,401.00</b>



### 8" Jointers Model 60

**POWERMATIC** Accurate, user-friendly jointer with infeed table lever to rapidly position table height and handle rotation for fine-adjustment of cut depth. Worm gear system smoothly tilts fence using a simple handwheel.

- 73"L tables, mounted on dovetailed ways, give more workpiece support
- Convenient, high-mount operating switch
- Magnetic push blocks can be stored on the machine
- Non-mar fence insert protects table surface
- Large extension rest on infeed table for rabbeting

Cutterhead: 3" dia. 7,000 rpm. Standard 3 HSS knives, 21,000 cpm.

Helical forty 4-sided knife inserts. Cutting capacity 8"W x 1/2"D.

Rabbeting depth 1/2". Positive stops +/-45° & 90°.

Fence 4-3/4"H x 38"L, tilt 45° in/out. Table size 73"L x 8-1/2"W x 32"H.

Infeed table 35-1/4"L, outfeed table 35-1/2"L.

Tool size 73"L x 25"W x 46"H. Tool weight 490 lbs.

**Includes** 3-knife cutterhead w/guard or helical cutterhead, 2-way tilting fence, stand, 4" dia. dust port & 2 push blocks.

#### Standard Cutterhead

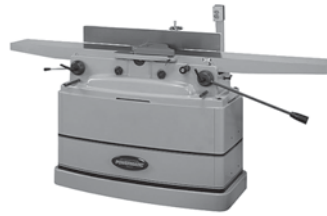
Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>655249</b>	1610084K	230	2	1	Push-Button	<b>\$2,198.00</b>

#### Helical Cutterhead

<b>655251</b>	1610086K	230	2	1	Push-Button	<b>\$2,545.00</b>
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#### Mobile Base. For 60C & 60HH jointers.

<b>658407</b>	2042376					<b>\$296.00</b>
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### 8" Jointers Model PJ882

**POWERMATIC** Powerful 3 or 2 HP parallelogram jointers offer extra-long bed length, plus an innovative fence that allows you to turn the handwheel that tilts the fence in and out with positive stops at +/-45° and 90°.

- Non-mar fence insert contacts the table for scratch-free adjustments
- Parallelogram design keeps table close to cutterhead for improved finish, fast depth-of-cut adjustments & keeps table perfectly parallel
- 1/8" depth limiter control knob for safe, quick adjustments - a twist of a knob disables feature
- Controlled chip 3-knife cutterhead delivers safe, smooth cuts
- Heavily constructed steel stand

Cutterhead: 3-1/16" dia., 7,000 rpm. 3 HSS knives, 21,000 cpm.

Helical forty 4-sided knife inserts. Cutting capacity 8"W x 1/2"D.

Rabbeting depth 1/2". Positive stops +/-45° & 90°.

Fence 4-3/4"H x 38-3/16"L, tilt 45° in/out.

Table size 83"L x 8"W x 31-5/16"H. Tool weight 732 lbs.

**Includes** 3-knife cutterhead w/guard or helical cutterhead, 2-way tilting fence, stand, 4" dia. dust port & 2 push blocks.

#### Standard Cutterhead

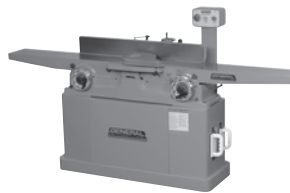
Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>655244</b>	1610079	230	2	1	Magnetic	<b>\$2,545.00</b>

#### Helical Cutterhead

<b>655247</b>	1610082	230	2	1	Magnetic	<b>\$3,470.00</b>
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#### Mobile Base. For PJ882 & PJ882HH jointers.

<b>655241</b>	1610078					<b>\$334.00</b>
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### 8" Parallelogram Jointer

**General Intl.** Magnum helical cutterhead has 5,000 rpm power. Precision 4-point parallelogram table adjustment system allows for easy parallel alignment of infeed and outfeed table both to the cutterhead and each other.

- Large, ground cast iron tables for stability & support of longer stock
- Large, heavy-duty center-mounted cast iron fence w/45°, 90° & 135° positive stops
- Independent infeed & outfeed table height adjustment handwheels
- Heavy-duty enclosed base stand for maximum stability
- High-mount, easy-reach magnetic safety switch
- Easy-access, front-to-back fence adjustment handwheel
- CSA Approved

Cutterhead: 3" dia., 5,000 rpm. Helical 22 carbide 2-sided knife inserts.

Cutting capacity 8"W x 1/2"D. Rabbeting depth 1/2".

Positive stops 45°, 90°, 135°. Fence 4-1/2"H x 38-1/2"L.

Table size 82-7/8"L x 8-1/16"W x 31"H.

Tool size 43-1/2"L x 16"W x 42-1/2"H. Tool weight 592 lbs.

**Includes** helical cutterhead w/front & rear guards, tilting fence, steel stand, 4" dia. dust port, 2 hand-paddle push blocks w/on-board storage, knife-setting gauge & wrenches.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420820</b>	80-225HCM1	220	3	1	Magnetic	<b>\$4,508.00</b>



## 12" Parallelogram Jointers

### General Intl.

- Heavy-duty, 3-knife cutter head for clean, fast, superior finish cuts
- Large surface, ground cast-iron tables for stability & added support when feeding longer stock

- Large, heavy-duty center mounted cast-iron fence with 45°, 90° & 135° positive stops
- Independent in-feed & out-feed table height adjustment hand wheels
- Smooth, hand wheel controlled heavy duty rack & pinion fence positioning
- Heavy-duty closed base steel stand w/built-in wheels
- Magnetic safety switch mounted above the in-feed table for easy access
- 6" dust collection outlet included
- 2 hand-paddle style push blocks included
- CSA Approved

Cutterhead 5,500 rpm. Standard 3 single knives. Helical 2-sided inserts. Cutting capacity 12"W x 3/4"D. Positive stops 45°, 90°, 135°. Fence size 60"L x 5-3/8"W. Table size 87-3/4"L x 12"W x 34-1/2"H. Tool size 50-1/2"L x 21-1/2"W. Tool weight 979 lbs.

**Includes** 6" dust chute, 2 push blocks & manual.

### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420825</b>	80-325MI	220	5	I	Magnetic	<b>\$6,006.00</b>

### Helical Cutterhead

<b>420826</b>	80-325HCM1	220	5	I	Magnetic	<b>\$6,962.00</b>
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## 12" Jointers Model 1285

### POWERMATIC

Large center-mounted fence assembly adjusts easily via rack and pinion system with ram lock. Preset stops on the fence body allow for fast angle set-up at 45° in and out, and a positive stop for perfect 90°

angles. Parallelogram design keeps the table in close proximity to the cutterhead for improved finish and allows for a fast depth of cut adjustment. Design also ensures the tables remain perfectly parallel even after years of use.

- Rack & pinion adjustable cast iron fence assembly for smooth fence positioning w/out play
- Table "lips" on both sides of cutterhead aid in noise reduction
- Full size rabbeting ledge supports large workpieces for rabbets up to 3/4" deep
- 1-yr. mfr.'s warranty

Standard Cutterhead: 5,000 rpm. 3 single knives (1791241).

Helical Cutterhead: 15,000 cpm.

46 two-sided inserts including 2 rabbeting inserts (1791307 & 1791308).

Cutting capacity 11-3/4"W x 3/4"D.

Rabbeting depth 3/4". Positive stops 90° & 45° in/out.

Fence 5-1/2" x 47"L, tilt 45° in/out. Table size 84"L x 12"W. Weight 762 lbs.

**Includes** dust port, cutterhead guard, heavy-duty fence, push blocks & tool kit.

### Standard Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656614</b>	1791241	230	1	3	Push-button	<b>\$5,600.00</b>

### Helical Cutterhead

<b>656665</b>	1791307	230	1	3	Push-button	<b>\$7,161.00</b>
<b>656666</b>	1791308	230/460	1	3	Push-button	<b>\$7,161.00</b>

656666|Please specify voltage. 230V will be shipped if not specified.



## 16" Jointer Model PJI696

### POWERMATIC

Powerful 7-1/2 HP motor, big capacity and performance, plus large center-mounted fence assembly adjusts easily via rack and pinion system with ram lock.

- Center-mounted cast iron fence supports large stock at any angle
- Helical cutterhead w/4-sided insert tooling consists of 6 rows of staggered 14mm insert precision-ground on 4 sides, quick change w/no need for adjustments & quiet operating
- Full size rabbeting table for large workpieces & 3/4" deep cuts
- Parallelogram construction for fast set up, maintains tables in parallel plane & provides improved finish

Cutterhead: 4.5" dia., 5,200 rpm. Helical 105 HSS 4-sided inserts.

Cutting capacity 16"W x 3/4"D. Rabbeting depth 3/4".

Positive stops 90° & 45° in/out. Fence 5-1/4"H x 47-1/4"L, tilt 45° in/out.

Table size 96"L x 16"W x 37-1/2"H. Tool size 96"L x 46"W x 43"H.

Weight 1,160 lbs. (shipping).

**Includes** cutterhead inserts, cutterhead guard & 6" dia. dust connection.

**Please specify voltage. 230V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656648</b>	1791283	230/460	7.5	3	Magnetic	<b>\$9,113.00</b>

## Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.



Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>

## Tool Table & Universal Stand

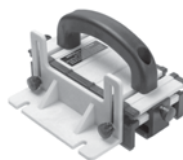
**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top. Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.



Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>

## GRR-Ripper 3D Push Block Systems

**Micro Jig** GRR-Ripper provides a safe way to manually feed wood through table saws. Excels w/router work, band saw operations & jointer feeding.



Stk.	Mfr.	Price
<b>534600</b>	GR-100	<b>\$61.20</b>

**Advanced GRR-Ripper Includes** adjustment spacer & stabilizing plate.

<b>534602</b>	GR-200	<b>\$81.60</b>
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## Microdial Tapering Jig

**Micro Jig** Cut tapers with surgical precision using the intuitive Colomatch™ system. Switch quickly & easily between 2 tapers on a single workpiece.



Stk.	Mfr.	Price
<b>534625</b>	TJ-5000	<b>\$143.00</b>



### Push Blocks

**Shop Fox** High-impact molded plastic w/natural rubber friction pad. Firmly grips workpiece keeping fingers away from cutting tool. Bright, safety-orange color

Stk.	Mfr.	Item	Price
<b>785663</b>	W1400	Small	<b>\$5.52</b>
<b>785664</b>	W1401	Large	<b>\$9.68</b>



### Push Stick

**Shop Fox** Keeps hands a safe distance from blades & cutters. Maintains control of the workpiece against machine fences. A necessity when running narrow stock. Durable handle offers maximum control.

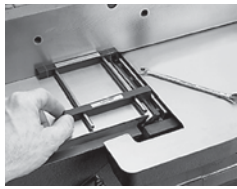
Stk.	Mfr.	Price
<b>785659</b>	D3122	<b>\$10.70</b>



### Jointer Dust Hoods

**Shop Fox** Fits most jointers. 3/32" T, 4" O.D., 3/4" W flange.

Stk.	Mfr.	Fits	Price
<b>786715</b>	W1001	6.5" x 6.5" chute	<b>\$3.22</b>
<b>786716</b>	W1002	7" x 8.5" chute	<b>\$3.92</b>



### Pal Magnetic Jointer Knife Setting Jig

**Woodstock** Set jointer knives in perfect alignment every time. Shift nicked knives for perfect cut to  $\pm .001$  accuracy. Use the steel bodied jig on jointers w/HSS knives. For 4" & 8" jointers.

Stk.	Mfr.	Price
<b>786820</b>	W1211A	<b>\$35.00</b>

### Jointer Knives



#### DJ-series jointers. HSS. Case hardened.

Stk.	Mfr.	Fits	Price
<b>739000</b>	37-155	Delta 6" jointer	<b>\$109.00</b>
<b>739310</b>	37-355	Delta 8" jointer	<b>\$60.80</b>

#### 6" VS bench jointer. HSS. Case hardened.

Stk.	Mfr.	Fits	Price
<b>738993</b>	37-072	Delta 6" jointer	<b>\$28.90</b>

#### JJ series jointers. HSS. Case hardened.

Stk.	Mfr.	Fits	Price
<b>485842</b>	JJ6-K	JET 6" jointers, J-60S, JJ-6CS & Powermatic 6" jointer, 54	<b>\$128.00</b>
<b>485985</b>	J6-KQC	JET 6" jointer, JJ-6CSDX	<b>\$107.00</b>
<b>485887</b>	JJ8-K	JET 8" jointer, JJ-8CS	<b>\$108.00</b>

#### HSS, heat-treated M-2 tool jointers.

Stk.	Mfr.	Fits	Price
<b>677068</b>	6427001	Powermatic 6" jointer, 50	<b>\$106.00</b>
<b>677135</b>	6296046	Powermatic 8" jointer 60, 60A, 60B	<b>\$120.00</b>

## JOINTER/PLANERS



### 8" Portable Jointer/Planer

**J E T** 2-in-1 bench top machine maximizes space in small shop or at the jobsite. Heavy-duty 13 amp motor for various cutting applications.

- Oversized, ergonomic knobs provide ease of use & maximum control

- Large aluminum extruded fence makes joining stable & precise
- Planing & joining tables lock to ensure precision cutting
- Precision-machined table top ensures a smooth, straight cut
- Integrated cord wrap for easy transport & workshop safety
- Sheet metal outfeed table w/height adjustment supports long work pieces & helps reduce snipe
- 3-yr. mfr.'s warranty

2 HSS knives 8-1/4"L x .65"W x .06"T. 18,000 cpm. 9,000 rpm.

Capacity: (jointer) 8"W x 1/8"D. Positive stops 1° & 90° in/out.

Fence 4-1/8" x 21"L, tilt 45° in/out. (planer) 4.92"W x .20"T.

Depth of cut .08". Feed rate 19.5 fpm.

Table size: (jointer) 29"L x 8-1/4"W,

(planer w/outfeed tbl.) 17-3/4"L x 8-1/2"W.

Tool size 33.5"L x 18.1"W x 16.8"H. Tool weight 58.4 lbs.

**Includes** 2-knife cutterhead w/guard, fence, outfeed table, 4" dia. dust port.

Stk.	Mfr.	Volts	Amps	Phase	Controls	Price
<b>486108</b>	JJP-8BT	115	13	1	Manual	<b>\$477.00</b>



### 10" Portable Jointer/Planer

**J E T** Rigid steel stand allows 2-in-1 machine to transition from bench top to floor. Features usually only found on big floor models including precision adjustment knobs, telescoping blade guard and large dust port.

- Heavy-duty 13 amp motor for various cutting applications

- Oversized, ergonomic knobs provide ease of use & maximum control
- Large aluminum extruded fence makes joining stable & precise
- Planing & joining tables lock to ensure precision cutting
- Precision ground table top ensures a smooth, straight cut
- Integrated cord wrap for easy transport & workshop safety
- Sheet metal outfeed table w/height adjustment supports long workpieces & helps reduce snipe
- 3-yr. mfr.'s warranty

2 HSS knives 10"L x .65"W x .06"T. 18,000 cpm. 9,000 rpm.

Capacity: (jointer) 10"W x 1/8"D. Positive stops 1° & 90° in/out.

Fence 4-7/8" x 25"L, tilt 45° in/out.

(planer) 4.72"W x .20"T. Depth of cut .08". Feed rate 19.5 fpm.

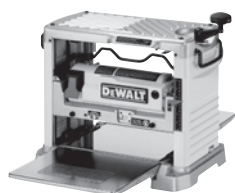
Table size: (jointer) 36"L x 10-1/4"W, (planer w/outfeed tbl.) 19-3/4"L x 10-1/2"W.

Tool size 40.4"L x 20"W x 17"H. Tool weight 73.9 lbs.

**Includes** 2-knife cutterhead w/guard, fence, outfeed table, steel stand, 4" dia. dust port & 2 push blocks.

Stk.	Mfr.	Volts	Amps	Phase	Controls	Price
<b>486109</b>	JJP-10BTOS	115	13	1	Manual	<b>\$621.00</b>

## PLANERS



### 12-1/2" Portable Planer

**DEWALT** Powerful 15 amp, 10,000 rpm motor handles larger, deeper cuts in hardwood. Disposable, reversible knives deliver 30% more knife life and make knife change fast and easy.

- Extra-long infeed/outfeed tables for more support
- 4-column carriage lock minimizes snipe
- Turret depth stop for quick, easy return to frequently used depths
- 3 knife cutterhead provides 96 cpi
- Material removal gauge & thickness scale deliver accurate cuts
- 1-yr. mfr.'s warranty

3 disposable, reversible knives. 1-7/8" triangular cutterhead. 96 cpi. 10,000 rpm. Capacity: 12-1/2"W x 6" thick. Depth of cut 1/8". Unbutted stock 12" min. Feed rate 26 fpm. Feed roll 1.5" dia. Table size 33-1/2"L x 12-1/2"W. Tool size 21-1/2"L x 13"W x 17-1/4"H. Tool weight 80 lbs.

**Includes** dust hood & manual.

Stk.	Mfr.	Volts	Amps	Controls	Price
<b>243074</b>	DW734	120	15	Manual	<b>\$510.00</b>



### 13" Planer/Molder

**J E T** Closed stand planer/molder boasts a 1.5 HP motor. Cast iron table and base provide strength and reduced vibration. The 3-cutter head design produces a superior finish. Built-in lockable casters add support and stability to the machine while allowing it to be maneuverable.

- 4 precision-ground column design adds stability when raising & lowering table
- 2-speed gear box has feed rates set for optimum planing & molding
- Molding cutter head accommodates over 40 standard molding cutter sets; most 2" or smaller heads can be installed without removing the planing knives
- Infeed & outfeed rollers are adjustable & rubber-coated to support workpiece without marring wood
- Top-mounted height adjustment handle
- Totally enclosed fan-cooled 1-1/2 HP motor uses two matched V-belts to deliver smooth, consistent power to the cutter head
- Angled 4" dust port keeps dust hose out of the way

3 knives, 13,500 cpm. Cutterhead: 2-9/16" dia. 4,500 rpm. Capacity: 13"W x 6-1/8" thick. Depth of cut 1/16". Unbutted stock 14". Feed rate 20 fpm (planing), 10 fpm (molding). Tool size 23-31/32"L x 36-1/2"W x 43-1/2"H. Tool weight 225 lbs.

**Prewired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486054</b>	JPM-13CS	115/230	1.5	1	Push-button	<b>\$1,368.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*



### 13" Planer

**DELTA**

- 4-column design provides excellent stability for smooth, accurate planing
- Quick change knife system
- Adjustable infeed & outfeed tables support long pieces
- Reversible dust port collects chips from the right or left side
- 2 polyurethane feed rollers for a no-slip grip on the workpiece; positioned close to cutterhead to improve workpiece finish
- Precision machined steel cutterhead for endurance & accuracy
- Stainless steel bed reduces friction & improves motor efficiency
- Overload button protects motor from overheat damage
- 5-yr. mfr.'s warranty

2 double-edge & reversible knives. 18,800 cpm. Capacity: 13"W x 6" thick. Depth of cut 3/32". Unbutted stock 13" min. Feed rate 28' fpm. Tool size 21-5/8"W x 23-5/8"W x 20-1/8"H. Tool weight 58 lbs.

**Includes** dust port, knife installation tool & wrench.

Stk.	Mfr.	Volts	Phase	Controls	Price
<b>710595</b>	22-555	120	1	Manual	<b>\$419.00</b>



### 13" Helical Head Planer

**Rikon** Planer features a 6 row helical-style cutterhead and 26 HSS insert cutters. Each indexable knife insert is precision sharpened on 2 edges and can be easily changed/rotated. The alternating cutter pattern in the cutterhead is

super-efficient, and produces a smooth cut surface.

Planer features a threaded 4-post housing for extra head stability when running, side handle for quick table height adjustments, repeat cut setting lever and side carry handles.

- Rubber feed rollers for non-slip traction w/o leaving damage marks
- Planer tables easily adjust in height w/large control handles
- Steel extension tables aid in stock feeding & limiting snipe
- Efficient dust hood & dual 4" or 2-1/2" ports effectively remove chips when planing
- Flat top or rollers for safe moving of lumber from outfeed back to infeed side
- Front located on/off switches for extra safe machine shut downs
- Mfr.'s 5-yr. warranty

26 indexable HSS 2-sided inserts. 2" dia. helical cutterhead. 10,000 rpm. Capacity 13"W x 6" thick. Depth of cut 1/8". Unbutted stock 7"L. Table size 26-1/4"W x 34-1/4"D x 17-5/16"H. Tool weight 73 lbs.

**Includes** HSS insert knives, 2 extension tables, tools & holders for adjustments & blade changes.

Stk.	Mfr.	Volts	Phase	Controls	Price
<b>694157</b>	25-130H	115	1	Manual	<b>\$746.00</b>

**“ Would you like to schedule a call or meeting? ”**

Kevin Luft ext. 3105  
kluft@midwesttechnology.com





### 13" Portable Planer

**DEWALT** Powerful 15 amp, 20,000 rpm motor handles larger cuts in wider materials with ease. 3-knife cutterhead delivers 30% longer knife life and makes knife change faster and easier.

- 2-speed gear box allows users to change feed speed to optimizing cuts per inch at 96 or 179 cpi
- Fan-assisted chip ejection vacuums chips off the cutterhead & exhausts them out of the machine
- 19-3/4" cast aluminum base is 2x more rigid than a standard 10" base & folding tables
- Automatic carriage lock reduces the movement that causes snipe w/out the need for manual engagement by the user
- Material removal gauge & extra-large thickness scale deliver accurate cuts w/every pass
- Extra-large turret depth stop allows users to return to most frequently used thicknesses w/ease

3 double-edge & reversible knives. 30,000 cpm. 20,000 rpm. Capacity: 13"W x 6" thick. Depth of cut 1/8". Unbutted stock 12" min. Feed rate 14' & 26' fpm. Table size 15"L x 30"W w/extensions. Tool size 22-1/2"L x 19-1/2"W x 13-1/2"H. Tool weight 92 lbs.

**Includes** 3-knife cutterhead, dust hose adapter, dust ejection chute.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>243071</b>	DW735	115	2.3	1	Manual	<b>\$700.00</b>



### 13" Portable Planer w/Helical Head

**General Intl.** Powerful 2 HP, 15 amp motor includes thermal overload protection for long life and low maintenance. Helical cutterhead's 4 threaded support posts ensure head stability and minimize workpiece snipe. Top-mounted rollers make multiple passes easier.

- Easy-read thickness indicator w/graduated scale in inches & metric
- Depth-of-cut indicator & large depth-of-cut adjustment handle
- Front & rear extension tables fold down for easy stock feeding
- Pre-set depth stops at 1/8", 1/4", 1/2" & 3/4"
- Inset lifting handles
- Keyed safety on/off switch
- CSA Approved

26 indexable HSS 2-sided inserts. 1.9" dia. helical cutterhead. 9,700 rpm. Unbutted stock 5" min. Feed rate 26 fpm. Capacity: 13"W x 6" thick. Depth of cut 1/16". Table size 28-5/8"L x 13"W w/extensions. Tool weight 64 lbs.

**Includes** switch w/removable key, helical cutterhead, 2 wrenches (*Torx®* & *Allen*), 2-1/2" & 4" dust port & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420710</b>	30-005HCM1	120	2	1	Manual	<b>\$1,069.00</b>



### 15" Floor Model Planer

**JET** Powerful 3 HP TEFC motor, 3 V-belt delivers full power with magnetic switch. Table adjusts quickly and accurately with a handwheel through a positive gear drive system.

- Strong cast iron & steel construction
- Cutterhead features jackscrews w/springs for easy, accurate knife adjustments
- Steel feed rollers, serrated infeed & smoother outfeed, allow for 1/8" depth of cut
- Gearbox w/automatic chain tensioner
- Angled 4" dust port keeps dust hose from work area
- Locks secure table while machine is in use
- Set of 3 infeed & outfeed rollers support workpiece
- 1-piece steel stand w/lockable casters using a quick-lock foot pedal
- 2 steel work return rollers on top of the machine to make transferring your work back easier
- Quick-change knives

3 HSS knives, 2-7/8" dia. cutterhead. 13,500 cpm. 4,500 rpm. Capacity: 14-7/8"W x 6" thick. Depth of cut 1/8" to 3/16". Unbutted stock 8". Feed rate 16 & 20 fpm. Table size 15"L x 48"W (w/extensions). Tool size 28"L x 48"W x 43-1/2"H. Tool weight 475 lbs.

**Includes** enclosed steel stand, dust hood, hand wheel, handle, 2 magnet tools, 7 wrenches (*T-handle*, 3 *open-end* & 4 *hex*), 3 fasteners pkgs., 2 extension tables & 3 knives.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485691</b>	JWP-15DX	230	3	1	Magnetic	<b>\$2,340.00</b>



### 15" Planers

**General Intl.** Powerful 2-speed, 3 HP motor with magnetic switch. Heavy-duty cast iron frame reduces vibration for precise planing.

- Equipped w/anti-kickback fingers
  - Large cast iron extension wings
  - Magnetic safety switch for added safety
  - Heavy-duty enclosed stand provides a stable workstation
  - 4-post design provides stability keeping table aligned w/cutterhead
  - Base w/4 lockable wheels
  - 4" dust port
  - CSA Approved
- Cutterhead: 2-7/8" dia. 5,000 rpm. Spiral 3 HSS knives, 15,000 cpm. Helical 42 indexable carbide 4-sided knife inserts. Capacity: 15"W x 6" thick. Depth of cut 1/8". Unbutted stock 6-1/2". Feed rate 16 & 20 fpm. Table size 15"L x 47-3/4"W (w/extensions). Tool size (base) 21-1/2"L x 21"W x 48"H. Tool weight 587 lbs.
- Includes** 3-knife spiral cutterhead (30-115M1) or helical cutterhead (30-115HCM1), magnetic safety switch, knife-setting gauge, anti-kickback fingers, extension wings, 4 rubber leveling feet, enclosed stand w/4 lockable wheels, 4" dust port & manual.

#### Spiral Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420715</b>	30-115M1	220	3	1	Magnetic	<b>\$2,639.00</b>

#### Helical Cutterhead

<b>420716</b>	30-115HCM1	220	3	1	Magnetic	<b>\$3,920.00</b>
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### 15" Deluxe Floor Model Planer

**POWERMATIC** Helical cutterhead provides smoother cutting and a finer finish than conventional knives, and the 74 four-sided indexable carbide knife inserts do not require adjustment after installing. 3 V-belts transfer maximum power from the 3HP motor to the cutterhead. Your workpiece will get substantial support from the precision ground cast iron table and two large extension wings. The serrated steel infeed and smooth steel outfeed

roller allow for 1/8" maximum depth of cut and trouble-free operation

- Large cast iron handwheel positions table quickly & easily
- Two speed gearbox features automatic chain tensioner
- One-piece welded steel stand has built-in lockable casters
- Steel top-mounted return rollers speed repetitive cuts
- Angled dust chute with 4" port positions collection hose away from the work area while providing efficient chip & dust collection
- Table locks firmly in place, preventing movement during cutting
- 5-yr. mfr.'s warranty

Cutterhead: 2-7/8" dia. 4,500 rpm. Helical 74 carbide 4-sided knife inserts. Capacity: 14-7/8"W x 6" thick. Depth of cut 1/8" to 1/4".

Unbutted stock 8" min. Feed rate 16 & 20 fpm.

Table size 48"L (w/extensions) x 15"W.

Tool size 28"L x 48"W x 43-1/2"H. Tool weight 502 lbs.

**Includes** enclosed stand w/lockable casters, extension tables, digital read-out (inch/metric) & dust hood.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656603</b>	1791213	230	3	1	Magnetic	<b>\$3,470.00</b>



### 16" Planer

**JET** Powerful 3 HP, 3 V-belt TEFC motor delivers full power with magnetic switch. 2-speed gearbox with automatic chain tensioner allows adjustment of feed rate to meet your needs. Surge infeed and outfeed rollers provide maximum workpiece support while planing.

- Strong cast iron & steel construction
- Table stays level to attach longer rollers
- Adjustable bed rollers

- Large cast iron easy-adjust handwheel
- Heavy-duty steel wide base stand w/casting pads provides stability
- Angled dust port keeps hose out of the way
- Cutterhead locks firmly in place during use
- 5-yr. mfr.'s warranty

3 HSS knives, 16-1/8" x 1" x 1/8", 2-7/8" dia. cutterhead. 13,500 cpm.

4,500 rpm. Capacity: 16"W x 6" thick. Depth of cut 1/8".

Unbutted stock 8". Feed rate 16 & 20 fpm. Feed rolls 2-3/4" dia.

Table size 22"L x 16"W. Tool size 32"L x 48"W x 51"H. Weight 396 lbs.

**Includes** infeed & outfeed rollers, cutterhead w/3 knives, extension rollers, knife setting gauge, 4" dust port & stand.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485768</b>	JWP-16OS	230	3	1	Magnetic	<b>\$1,799.00</b>



### 20" Floor Model Planers Model 209

**POWERMATIC** Powerful 5 HP motor handles production-level work. Helical cutterhead with 132 four-sided knife inserts produce a superior finish with a much quieter operation. Inserts are installed without further adjustments. Solid cast iron base, table and head. Anti-kickback fingers and pressure bar are located close to the cutterhead for an exceptional finish.

- 2-speed oil bath gearbox transmits full power to feed rollers & facilitates fast speed changes at 24 & 31 fpm
- Corrugated infeed & fine groove outfeed rollers ensure a smooth feed
- Precision-ground & polished cast iron table rides on 4 steel columns
- Enclosed base cabinet w/integrated casters
- Large cast iron table & extensions ensure a flat, smooth cut
- Feed rollers & cutterhead supported by full cast iron head assembly

Cutterhead: 3-3/16" dia. 5,000 rpm. Spiral 3 HSS knives, 13,500 cpm.

Helical HSS 132, 4-sided knife inserts. Capacity: 20"W x 8" thick.

Depth of cut 3/32". Unbutted stock 10" min.

Feed rate 24 & 31 fpm (plus 16 & 20 fpm). Feed rolls: outfeed 3", infeed 3".

Table size 55-1/2"L x 20"W. Tool size 26"L x 36-5/8"W x 41-3/8"H.

Tool weight 800 lbs.

**Includes** 3-knife cutterhead (1791315) or helical cutterhead (1791316), enclosed stand, inch/mm readout scale, segmented infeed roller, extension tables, adjustable bed rollers & 5" dust port.

#### Spiral Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656662</b>	1791296	230	5	1	Magnetic	<b>\$3,240.00</b>
<b>656663</b>	1791297	230/460	5	3	Magnetic	<b>\$3,220.00</b>

#### Bryd® Shelix® Helical Cutterhead

<b>656667</b>	1791315	230	5	1	Magnetic	<b>\$4,679.00</b>
<b>656668</b>	1791316	230	5	3	Magnetic	<b>\$4,679.00</b>



### 20" Single Surface Planers

**General Intl.** Powerful 3-drive belt, 5 HP motor runs at 5,000 rpm. Top-mounted return rollers allow smooth stock handling for consecutive planing and multiple passes.

- Heavy-duty enclosed stand protects motor from dust & wood chips
- Positive gear design for quick, accurate table adjustments
- Equipped w/anti-kickback fingers

- Large handwheel quickly adjusts table height
- Built-in mobile base w/1-step lock-pedal
- Cast iron base, table & head
- Built-in table rollers reduce friction
- Magnetic safety switch for added safety
- Large cast iron extension wings
- 5" dust port
- CSA Approved

Cutterhead: 3-1/8" dia. 5,000 rpm. Spiral 3 HSS knives, 15,000 cpm.

Helical 58 carbide 4-sided knife inserts. Capacity: 20"W x 8" thick.

Depth of cut 1/8". Unbutted stock 6-3/4". Feed rate 16 & 20 fpm.

Table 20"L x 55"W (w/extensions). Tool (base) 21-1/2"L x 21"W x 41-3/8"H.

Tool weight 860 lbs. (30-300MI), 893 lbs. (30-300HCM1).

**Includes** 3-knife spiral cutterhead (30-300MI) or helical cutterhead (30-300HCM1), knife-setting gauge (30-300MI), extension wings, enclosed stand w/wheels & manual.

#### Spiral Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420725</b>	30-300MI	220	5	1	Magnetic	<b>\$4,410.00</b>

#### Helical Cutterhead

<b>420726</b>	30-300HCM1	220	5	1	Magnetic	<b>\$5,733.00</b>
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## 20" Planer

**J E T** Helical head planer quickly and quietly transforms rough lumber into smooth boards, with a full 20" planing width. Its heavy-duty cast iron and steel construction keeps the workpiece steady and supported, while the conveniently located two-speed gear box allows for quick and easy feed rate adjustments.

- Helical cutterhead w/indexable carbide inserts for a superior finish & quieter cut
- Heavy-duty cast iron & steel construction for added strength & durability
- 2-speed gear box w/automatic chain tensioner lets you adjust the feed rate to meet your needs
- Large, cast iron, precision ground table for precise workpiece support
- Powerful 5 HP TEFC induction motor w/three V-belt transmission for smooth & consistent power
- Positive gear drive moves table quickly & accurately
- Cast iron infeed & outfeed tables come w/the machine
- Large handwheel w/positive gear drive allows for quick & accurately table adjustments
- 1/16" increment height scale lets you make the most precise adjustments for fine cuts
- 5" dust port provides efficient chip & dust collection
- 1-piece welded steel base offers solid support & stability
- Magnetic controls provide long life & reliability
- 5-yr. mfr.'s warranty

Cutterhead: 3-3/16" dia. 5,000 rpm. Helical 92 carbide 4-sided knife inserts. Capacity: 20"W x 8" thick. Depth of cut 3/32". Unbutted stock 6-3/4". Feed rate 24 & 31 fpm. Dust port 5", 400 Minimum CFM Required. Table size 25-3/4"L x 2"W. Tool size 36-5/8"L x 26"W x 41-3/8"H. Tool weight 753 lbs.

**Includes** helical cutterhead, extension wings, enclosed stand & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486021</b>	JWP-208HH-I	230	5	1	Magnetic	<b>\$3,818.00</b>



## 22" Floor Model Planers Model 201HH

**POWERMATIC** 7.5 HP motor runs at 19,200 rpm. All cast iron construction for years of accurate planing. Hinged top allows easy access to rollers and knives. Anti-kickback fingers and pressure bar are located close to the cutterhead for an exceptional finish.

- Oil-bath, 2-speed gearbox w/machined detents is quickly changed up front for fine finishing
- Segmented infeed roller w/sectional chip breaker allows multiple-piece planing & consistent feed & finish
- Roller bearing feed rollers ensure long trouble-free service
- Adjustable bed rollers smoothly feed rough & finished pieces
- Heavy, 2-column support cast iron table travels on 2 large lead screws & supports large workpieces (1 handle turn = 1/16")

Cutterhead: 3-1/4" dia. 4,800 rpm. Helical 150 indexable carbide 4-sided knife inserts. Capacity: 22"W x 9-1/4" thick. Depth of cut 3/16". Unbutted stock 10". Feed rate 20 & 30 fpm. Feed rolls: outfeed 3", infeed 3". Table size 32-1/4"L x 24"W. Tool size 42"L x 49"W x 59"H. Weight 1,300 lbs.

**Includes** segmented infeed roller w/sectional chip breaker, roller-bearing feed rollers, adjustable bed rollers, knife gauge, 5" dust port & wrenches.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656622</b>	1791267	230	7.5	1	Magnetic	<b>\$8,911.00</b>
<b>656623</b>	1791268	230	7.5	3	Magnetic	<b>\$8,911.00</b>



## 24" Planers

**General Intl.** Choose between carbide helical cutterhead (w/70 indexable 4-sided knife inserts), or a HSS 3-knife spiral cutterhead. 3 V-belt, 7.5 HP motor runs at 4,800 rpm. Anti-kickback fingers at the front of the machine reduce the risk of stock being forcibly ejected.

- Cast iron chip-breaking system
- Heavy-duty enclosed stand protects motor from dust & wood chips
- Positive gear design for quick, accurate table adjustments
- Heavy-duty enclosed stand provides a stable workstation
- Machine's head equipped w/anti-kickback fingers
- Built-in table rollers reduce friction
- Large handwheel quickly adjusts table height
- Magnetic switch w/overload protection
- Large VS control knob increases/decreases feed speed
- Front-mounted graduated scale (inches & metric) shows stock thickness
- Steel base, table & head
- 6" dust port
- CSA Approved

Cutterhead: 3-1/8" dia. (30-460M1), 3-5/16" dia. (30-460HCM1). 4,800 rpm. Spiral 3 HSS knives, 14,400 cpm. Helical 70 indexable carbide 4-sided knife inserts.

Capacity: 24"W x 8" thick. Depth of cut 5/16". Unbutted stock 8". Feed rate 16 & 20 fpm (variable speed). Feed rolls: outfeed 3", infeed 3". Table size 28"L x 25-1/4"W. Tool size (base) 21-1/2"L x 21"W x 50"H. Tool weight 1,162 lbs. (30-460M1), 1,166 lbs. (30-460HCM1).

**Includes** 3-knife cutterhead (30-460M1) or helical cutterhead (30-460HCM1), magnetic safety switch, anti-kickback fingers, graduated scale, knife-setting gauge (30-460M1), enclosed base, 6" dust port & manual.

### Spiral Cutterhead

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420735</b>	30-460M1	220	7.5	1	Magnetic	<b>\$10,010.00</b>

### Helical Cutterhead

<b>420736</b>	30-460HCM1	220	7.5	1	Magnetic	<b>\$12,285.00</b>
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Al Ryan ext. 3130  
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**25" Floor Model Planer**

**POWERMATIC** Solid steel helical insert head with 4-sided carbide insert tooling, no adjustment needed after changing knives. Reduced sound levels when running, cutting.

- Digital readout & PC controller for quick, easy set-up
- Segmental serrated infeed roll w/segmental chip breakers for planing multiple height stock (ea. with 1/4" yield)

- In/outfeed rollers supported by large sealed needle bearings
  - Quick-Set micro-adjustable table rollers lever, easily raises & lowers table rollers from 0" to 0.05"
  - Frame machined from heavy cast iron & extra wide side panels w/gibs for rigid bed support & accurate alignment
  - Solid pressure bar w/wide foot that's adjustable from both ends
  - Easily change feed selector rate from low to high
  - Large table w/2 adjustable rollers to smoothly feed uneven stock
  - Massive gearbox w/large chain drive & automatic chain tensioners evenly powers sectional in/out feed rollers
  - Air-hydraulic dust hood features excellent dust collection system
- 168 carbide knives, 3-3/8" dia. cutterhead. 30,000 cpm. 5,000 rpm. Capacity: 25"W x 9" thick. Depth of cut 1/4". Unbutted stock 6-3/4" min. Feed rate 30-25/20 fpm. Feed rolls: outfeed 3", infeed 3". Table size 32-3/16"L x 26"W. Tool size 52"L x 36"W x 59"H. Weight 1,725 lbs.

**Includes** 168-knife helical cutterhead, segmented infeed roller w/sectional chip breaker, needle-bearing feed rollers, adjustable table rollers & 5" dust port.

**Please specify voltage. 230V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656670</b>	1791303	230/460	15	3	Magnetic	<b>\$16,065.00</b>



**Mini Planer Pal® Magnetic Planer Jig**

**Woodstock** For setting knives on 10" to 12" planers with 1-7/8" to 2-1/8" cutterheads. Universal jig holds knives in position while freeing both hands to tighten the gib. This jig allows you to set knives perfectly every time to within ± .001".

Stk.	Mfr.	Price
<b>786835</b>	W1226A	<b>\$26.30</b>



**Planer Pal® Knife Setting Jig**

**Woodstock** Knife-setting system lets you set planer knives in perfect alignment every time. It also allows you to shift nicked knives on 2-1/2"- 4" cutterheads to get a perfect cut with an accuracy of ± .002". 2 jigs are needed for 15"- 20" and 3 for planers over 20". Set of 2.

Stk.	Mfr.	Price
<b>786829</b>	W1216A	<b>\$99.00</b>



**Universal Mobile Stand**

**PORTER-CABLE** Adjustable in/outfeed rollers to 8'L. Durable tubular steel frame supports up to 300 lbs. 3-position, pneumatic raising & lowering. Adjustable mounting bracket adapts to most miter saws or bench top planers. Wide rubber wheels. Easy assembly. Compact storage.

Stk.	Mfr.	Price
<b>626634</b>	PC136MS	<b>\$259.00</b>



**Dial Indicator Kit**

**Chicago Brand** Long range indicator with revolution counter and adjustable zero. Compact magnetic base with 22 lb. holding force.

**Includes** rods, clamps & molded case.

Stk.	Mfr.	Graduations	Range	Price
<b>302680</b>	56410	.001"	0"-1"	<b>\$88.20</b>

**Planer Knives**

**DELTA** HSS, single edge knives (unless specified).

**Delta**

Stk.	Mfr.	Fits	Qty.	Price
<b>710602</b>	22-562	22-565, 22-560, TP305, 12-1/2"	2	<b>\$41.00</b>
<b>710593</b>	22-549	22-555, 22-580 13"	2	<b>\$54.60</b>
<b>709412</b>	5140043-14	13" x 6"	3	<b>\$432.00</b>
<b>710591</b>	22-547	TP300 12", dbl edge	2	<b>\$27.30</b>
<b>711045</b>	22-677	DC-380 15"	3	<b>\$237.00</b>

**DeWalt**

Stk.	Mfr.	Fits	Qty.	Price
<b>243100</b>	DW7332	DW733 12-1/2"	2	<b>\$71.60</b>
<b>243120</b>	DW7342	DW734 12-1/2"	3	<b>\$74.60</b>
<b>243121</b>	DW7352	DW735 13"	3	<b>\$71.70</b>

**JET**

Stk.	Mfr.	Fits	Qty.	Price
<b>485891</b>	JWP-12K-4P	JWP-12DX 12-1/2"	2	<b>\$74.00</b>
<b>485733</b>	JWP15HI-K	JWP-15CS 15"	3	<b>\$232.00</b>
<b>485690</b>	QCK-15DX	JWP-150X 15"	3	<b>\$177.00</b>
<b>485684</b>	JWP-16K	JWP-160x 16"	3	<b>\$196.00</b>

**Powermatic**

Stk.	Mfr.	Fits	Qty.	Price
<b>677202</b>	6427003	Model 100 12"	3	<b>\$138.00</b>
<b>662194</b>	2393004	Model 160 16"	3	<b>\$259.00</b>
<b>662261</b>	2393005	Model 180 18"	3	<b>\$222.00</b>
<b>676467</b>	6284800	Model 15 15", dbl. edge	3	<b>\$195.00</b>
<b>676400</b>	M15-K3	Model 155 15"	3	<b>\$118.00</b>
<b>676773</b>	6292621	Model 208, 209 20"	4	<b>\$280.00</b>
<b>662328</b>	2393006	Model 221 20"	3	<b>\$330.00</b>
<b>674300</b>	6012179	Model 201 22"	4	<b>\$381.00</b>
<b>662395</b>	2393008	Model 225 25"	4	<b>\$347.00</b>

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## SHAPERS

**Wood Shaper Model JWS-22CS**

**J E T** Handwheel and spindle lock achieve safe, accurate spindle height adjustments. 2 reversible spindle speeds add versatility. Powerful 1-1/2 HP TEFC reversing, single-phase motor features industrial push-button controls.

- Extra large solid cast iron work surface for additional work surface
- Heavy-duty 1-piece steel stand w/motor cover for stability

- Independent left & right fences w/micro-adjustment & 0 clearance capabilities
- Adjustable fence-mounted hold-downs
- 2-yr. mfr.'s warranty

Spindle speed 7,000 & 9,000 rpm, reversing. Spindle travel 1-7/16".

Spindle size 1/2" & 3/4", under nut 2-3/16". Fence size 9-3/4" x 3-1/4" each.

Router bit collet size 1/4" & 1/2".

Table size 22-3/8"L x 18-1/8"W x 33-1/4"H, 3/8" x 3/4" T-slot.

5-1/4" dia. opening, 2 insert openings 1-5/8" & 3-1/4".

Tool size 23"L x 25"W x 40"H. Tool weight 190 lbs.

**Includes** 1/2" & 3/4" interchangeable spindles, 1/2" & 1/4" router bit collets, 2 table inserts, 2 starting pins, workpiece hold-downs, miter gauge, micro-adjustable fence, 1-piece heavy-duty closed stand, cutter guard & 4" dust chute.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485847</b>	JWS-22CS	115/230	1-1/2	1	Push-button	<b>\$1,368.00</b>

**Industrial Universal Mobile Base 24" sq. to 34" sq., 1,200 lb. capacity, 5/8" clearance.**

<b>485786</b>	JMB-UMB-HD					<b>\$198.00</b>
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**Wood Shaper**

**General Intl.** 3 HP industrial sander offers 2 spindle speeds with reverse. Extra-large, heavy cast iron table has a smooth-ground surface finish.

- Independent R&L fences w/micro-adjustment
- 2 spindles (1/2" & 3/4")
- T-slot miter gauge for workpiece control
- Enclosed cabinet protects motor from dust

- Fence system w/cutterguard, spring hold-downs & 4" dust port
- Magnetic starter w/thermal overload protection
- CSA Approved

Spindle speed 8,000 & 10,000 rpm, reversing. Spindle travel 3".

Spindle size 1/2" & 3/4", under nut 2-3/4" & 3".

Fence sizes 9-1/2"L x 2-3/4"H. Router bit collet size 1/4" & 1/2".

Table size 27"L x 25"W x 34"H. 7" dia. opening, 2 insert openings 3-1/2" & 3" dia.

Tool size 27"L x 25"W x 42"H. Tool weight 352 lbs.

**Includes** magnetic controls, 2 spindles (1/2" & 3/4"), 2 router bit collets (1/4" & 1/2"), T-slot miter gauge, 2 adjustable fences w/cutterguard & 4" dust port, 4 spring hold-downs & enclosed stand.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420750</b>	40-250M1	220	3	1	Magnetic	<b>\$2,258.00</b>

**2-Speed Wood Shaper Model PM2700**

**POWERMATIC** Spindle height digital readout provides exact spindle height and allows for .001" adjustments. Micro-adjust control knobs allow for precision fence adjustments. Dual 4" dust ports built-in to the cabinet and fence adjustment tube rack offers superior chip removal.

- Totally-enclosed motor

- Large heavy-duty precision-ground table
- Quick lock belt tensioning
- Heavy cast iron base w/built-in caster system can be raised for stability & lowered for mobility
- Extruded aluminum, independently adjustable fence w/featherboard hold-downs, chrome knobs & clear full cutter guard
- 5-yr. mfr.'s warranty

Spindle speed 7,500 & 10,000 rpm. Spindle travel 4".

Spindle size 3/4" & 1-1/4", under nut 3-3/4" & 6".

Fence size 18-3/4"L x 4-7/8"H. Router bit collet size 1/4" & 1/2" (optional).

Table size 40"L x 30"W. 7-3/8" dia. opening, insert openings 2-3/4" & 3-7/8" dia. Tool size 40"L x 37"W x 45"H. Tool weight 664 lbs.

**Includes** adj. fence w/featherboard hold-downs, cutter guard, dual 4" dust ports, reversing switch, 3/4" & 1-1/4" spindles, motor cover, table insert. 230/460V, 5 HP, 3 phase, magnetic starter.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>653542</b>	1280100C	230	3	1	Magnetic	<b>\$4,165.00</b>
<b>653543</b>	1280101C	230	5	1	Magnetic	<b>\$4,396.00</b>
<b>653544</b>	1280102C	230/460	5	3	Magnetic	<b>\$4,396.00</b>

653544|Please specify voltage. 230V will be sent if not specified.

**Wood Shaper Model 35X**

**J E T** Large precision-ground, cast iron table provides a durable work area, predrilled for power feeder. Poly V-belt transfers maximum power to the spindle. Starting pins for irregular shaping.

- Extruded aluminum fence w/T-slots & 2 featherboard hold-downs
- Extra-large chrome handwheel conveniently located for fast, easy & accurate spindle height adjustments

- Reversible spindle speeds for diverse shaping jobs
- 4" dust port built into fence
- Spindle lock for safe, easy cutter set-up

Spindle speed 4,000, 6,000, 8,000 & 10,000 rpm, reversing.

Spindle travel 4". Spindle size 3/4", under nut 3-1/2".

Fence size 16"L x 4-3/4"H. Router bit collet size 1/4" & 1/2" (optional).

Table size 26-3/4"L x 32-1/4"W x 33-1/4"H, 3/8" x 3/4" T-slot.

7-1/4" dia. opening, 2 insert openings 2-5/8" & 4-7/8" dia.

Tool size 32-1/4"L x 28-1/4"W x 42-3/8"H. Tool weight 473 lbs.

**Includes** 3/4" spindle, magnetic controls, 2 workpiece hold-downs, cutter guard, starting pin, miter gauge, spindle height scale, adjustable fence w/4" dust port & enclosed stand.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486002</b>	JWS-35X3-1	220	3	1	Magnetic	<b>\$3,220.00</b>

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### 4-Speed Wood Shaper

**General Intl.** 5 HP, 4-speed production shaper offers 4 spindle speeds and reverse. Independently adjustable R&L industrial fences with precision fine-tune adjustment dials. Heavily-ribbed, solid cast iron table features smooth ground surface.

- Deluxe precision T-slot miter gauge for better workpiece control
- Totally-enclosed cabinet protects motor from dust

- Built-in retractable caster system
- Magnetic starter w/thermal overload protection
- Quick-release belt tensioning system for quick changes
- Large cutterguard w/window, spring hold-downs & 4" dust port
- Extra-large adjustment handles
- CSA Approved

Spindle speed 4,000, 6,000, 8,000 & 10,000 rpm, reversing.

Spindle travel 3". Spindle size 1-1/4", under nut 5".

Fence size 16-1/2"L x 5"H. Router bit collet size 1/4" & 1/2".

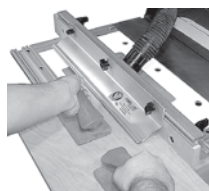
Table size 30"L x 40"W x 36"H.

4 insert opening diameters 7", 3-1/2", 3" & 2".

Tool size 28-1/2"L x 28"W x 46"H. Tool weight 741 lbs.

**Includes** adj. fence, cutter guard w/spring hold-downs & 4" dust port, deluxe T-slot miter gauge, reversing switch, 1-1/4" spindle, enclosed cabinet w/retractable casters & manual.

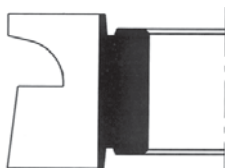
Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420755</b>	40-350M1	220	5	1	Magnetic	<b>\$5,670.00</b>



### Panel-Loc™ Guard

**Bench Dog** Combination handguard & panel hold-down for router tables & table saws. Use it for routing panels or ripping large sheets of plywood or veneer. Provides a solid barrier between your hands & the cutter. Helps alleviate chatter, reduces fatigue & improves results.

Stk.	Mfr.	Price
<b>235435</b>	40-025	<b>\$78.00</b>



### Door Lip Cutter

**freud** Designed for counterclockwise rotation with the rabbet down. With clockwise rotation they can be used with the face down where inconsistency in door thickness will not show when doors are closed.

Stk.	Mfr.	Overall Dia.	Cut Depth	Carbide Height	Minor Height	Large Radius	Angle	Bore Dia.	Price
<b>412260</b>	EC001	2-7/8"	29/64"	1-1/4"	43/64"	23/64"	7°	3/4"	<b>\$77.20</b>

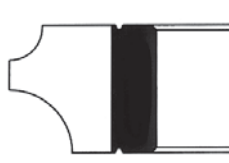


### 2+2 Raised Panel Cutters

**freud** Designed for 3/4" thick panels. Small cutter, with opposite shear angle, will push

wood fibers down and shear them off leaving a crisp edge at the top of the panel, even on cross grain.

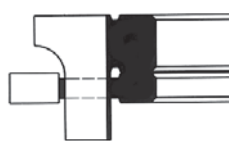
Stk.	Mfr.	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Angle	Bore Dia.	Price
<b>412362</b>	UC209	4-15/16"	43/64"	1/8"	1-57/64"			3/4"	<b>\$151.00</b>
<b>412363</b>	UC211	4-15/16"	5/8"	15/64"			17°	3/4"	<b>\$151.00</b>
<b>412364</b>	UC213	4-15/16"	11/16"	21/64"	1-31/32"	1-3/8"	23°	3/4"	<b>\$151.00</b>
<b>412385</b>	UP215	5-1/2"	5/8"	15/64"	13/64"		10°	1-1/4"	<b>\$178.00</b>



### 1/4" & 1/2" Round Over Cutter

**freud** Get 2 cutters in 1: 1 part is a 1/4" rounding over cutter; the other is a 1/2" rounding over cutter. Can also be used to create new molding profiles and as a beading cutter.

Stk.	Mfr.	Overall Dia.	Carbide Height	Large Radius	Small Radius	Bore Dia.	Price
<b>412266</b>	EC044	2-7/8"	1"	1/2"	1/4"	3/4"	<b>\$75.20</b>



### Cabinet Door Cutter Sets

**freud** Male and female cutter sets that are perfect for high production needs in cabinetry and door making. Shims are included to allow you to maintain perfect joints through many

sharpenings. Each cutter is balanced and has thick carbide tips for maximum sharpening life.

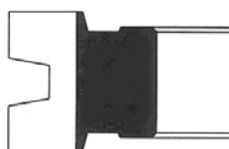
Stk.	Mfr.	Overall Dia.	Cut Depth	Carbide Height	Tenon Thickness	Tenon Length	Large Radius	Bore Dia.	Price
<b>412284</b>	EC260	2-7/16"	15/64"	1"	15/64"	7/16"	15/64"	3/4"	<b>\$265.00</b>
<b>412287</b>	EC261	2-11/16"	11/32"	1"	15/64"	7/16"	9/32"	3/4"	<b>\$265.00</b>



### Straight Edge Cutters

**freud** Computer-balanced cutters for super smooth, chatter-free cutting. Straight profile for making precise rabbets and dadoses.

Stk.	Mfr.	Overall Dia.	Carbide Height	Bore Dia.	Price
<b>412278</b>	EC140	2-7/8"	1/4"	3/4"	<b>\$53.30</b>
<b>412279</b>	EC141	2-7/8"	3/8"	3/4"	<b>\$58.70</b>
<b>412280</b>	EC142	2-7/8"	1/2"	3/4"	<b>\$62.60</b>
<b>412281</b>	EC144	2-7/8"	3/4"	3/4"	<b>\$72.30</b>
<b>412282</b>	EC146	2-7/8"	1"	3/4"	<b>\$77.20</b>
<b>412383</b>	UPI48	3-9/16"	1-1/2"	1-1/4"	<b>\$147.00</b>



### Wedge Tongue & Groove Cutters

**freud** Cutters produce exceptionally strong joints when gluing up boards edge to edge. This design gives an increased amount of gluing area for maximum strength.

### Tongue Cutter

Stk.	Mfr.	Overall Dia.	Cut Depth	Carbide Height	Minor Height	Angle	Bore Dia.	Price
<b>412263</b>	EC032	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"	<b>\$82.00</b>

### Groove Cutter

<b>412264</b>	EC033	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"	<b>\$72.30</b>
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### Convex Radius Cutters

**freud** Computer-balanced 3-wing cutters that are a necessity to anyone who has a shaper. Use them for cutting flutes and coves.

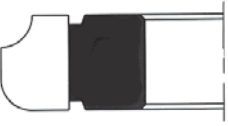
Stk.	Mfr.	Overall Dia.	Carbide Height	Bore Dia.	Price
<b>412269</b>	EC101	2-7/8"	1/4"	3/4"	<b>\$60.70</b>
<b>412270</b>	EC102	2-7/8"	3/8"	3/4"	<b>\$68.40</b>
<b>412271</b>	EC103	2-7/8"	1/2"	3/4"	<b>\$75.20</b>
<b>412272</b>	EC105	2-7/8"	3/4"	3/4"	<b>\$89.80</b>

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**Concave Radius Cutters**

**freud** For cutting beads and rounding the end of boards.

Stk.	Mfr.	Overall Dia.	Carbide Height	Large Radius	Bore Dia.	Price
<b>412273</b>	EC120	2-7/8"	5/8"	1/8"	3/4"	<b>\$65.50</b>
<b>412274</b>	EC121	2-7/8"	25/32"	3/16"	3/4"	<b>\$70.40</b>
<b>412275</b>	EC122	2-7/8"	15/16"	1/4"	3/4"	<b>\$75.20</b>
<b>412276</b>	EC123	2-7/8"	1/18"	5/16"	3/4"	<b>\$80.10</b>
<b>412277</b>	EC124	2-7/8"	1/14"	3/8"	3/4"	<b>\$84.90</b>

**Convex & Concave Cutters**

**freud** Versatile cutters cut half round beads, quarter round beads, coves & rounding over cuts. Great for making drop leaf tables w/matching profiles using 1 cutter.

Stk.	Mfr.	Overall Dia.	Carbide Height	Large Radius	Bore Dia.	Price
<b>412379</b>	UPI32	3-9/16"	3/4"	1/4"	1-1/4"	<b>\$136.00</b>
<b>412381</b>	UPI34	3-9/16"	1-1/64"	3/8"	1-1/4"	<b>\$152.00</b>

**Roman Ogee Cutter**

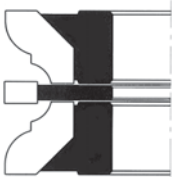
**freud** Edge treatment pattern for classical styling. Change pattern by raising or lowering spindle.

Stk.	Mfr.	Overall Dia.	Carbide Height	Minor Height	Large Radius	Bore Dia.	Price
<b>412261</b>	EC005	2-7/8"	25/32"	9/32"	15/64"	3/4"	<b>\$70.40</b>

**Matched Reverse Detail Cutter**

**freud** Perfectly matched profiles for both molding cut & matching coping cut.

Stk.	Mfr.	Overall Dia.	Cut Depth	Carbide Height	Minor Height	Large Radius	Bore Dia.	Price
<b>412387</b>	UP283	3-15/16"	33/64"	63/64"	33/64"	13/64"	1-1/4"	<b>\$152.00</b>

**Cove & Bead Exterior Door Cutter Set**

**freud** Designed for the rails and stiles of standard 1-3/4" thick exterior doors, these cutters will cut both the molding cut and the coping cut. Shims are included for precise adjustment.

Stk.	Mfr.	Overall Dia.	Cut Depth	Tenon Thickness	Large Radius	Small Radius	Bore Dia.	Price
<b>412268</b>	EC091	2-7/8"	1/2"	15/64"	3/8"	9/32"	3/4"	<b>\$320.00</b>

**Horizontal Raised Panel Cutter**

**freud** 3-wing cutter cuts traditional raised panel profile in 5/8" stock. Profile's bevel continues the entire width of the profile & does not have the flat at the edge of the panel.

Stk.	Mfr.	Overall Dia.	Carbide Height	Large Radius	Angle	Bore Dia.	Price
<b>412377</b>	UP016	5-1/2"	5/8"	1/8"	9°	1-1/4"	<b>\$175.00</b>

**LATHES****Pen Turning Mini-Lathe**

**General Intl.** Designed specifically for turning pens and other smaller hobby type projects.

- Quick lock control levers easily position tool rest

- Extruded aluminum frame, head & tailstock
- Maximum distance of 12" between centers
- Quiet, smooth running 1/5 HP motor
- 3 spindle speeds: 1,350, 2,250 & 3,500 RPM
- CSA Approved

3 VS speed 1,350, 2,250 & 3,500 rpm.

Spindle drive (in. x TPI) 3/4" x -16TPI.

Capacity 4" swing over bed, 2-1/2" swing over toolrest base.

Distance between centers 12".

Head & tailstock taper MT-1, through hole 3/8". Spindle travel 1".

Tool rest 6". Face plate 2-1/2". Tool weight 15.5 lbs.

**Includes** live center, spur center, knockout bar & see-through lathe guard.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420675</b>	25-010MI	110	1/5	1	Manual	<b>\$357.00</b>

**Mini Lathes**

**JET** For the novice wood turner looking for a user-friendly lathe, as well as the professional who wants to add a full-featured mini-lathe to the shop. This sturdy, smooth-running 15" mini-lathe has the power, precision and versatility

to turn out any number of projects.

- Integrated 24-position indexing
- Improved tensioning system w/easier access to belts
- Wider bed ways provide increased rigidity
- Live center in the tailstock
- 5-yr. mfr.'s warranty

6 speed 500-3,975 (JWL-1015)

or VS 200-1,500, 300-1,750, 600-3,600 (JWL-1015VS).

Spindle drive (in. x TPI) 1"-8 thread. 3/8" drive through hole.

Capacity 10" swing over bed, 7-5/16" swing over toolrest base.

Distance between centers 15-1/2".

Head & tailstock taper MT-2, through hole 3/8". Travel 2".

Tool size 26"L x 7"W x 14"H.

Tool weight 77 lbs. (JWL-1015), 72.6 lbs. (JWL-1015VS).

**Includes** live center, spur center, knockout rod, tool support & 3" face-plate.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486052</b>	JWL-1015	115	1/2	1	Manual	<b>\$565.00</b>

**Variable Speed**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486053</b>	JWL-1015VS	115	1/2	1	Manual	<b>\$682.00</b>

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### 12" Comet II Midi Bench Lathe

**NOVA** Small, space-saving design. A great choice for a multitude of projects. Ideal as the primary or secondary lathe in a multi-functional workshop.

- VS motor for dial-in power
- Forward & reverse function for superior finishes

- Solid cast iron throughout for durability & stability
- Strong 2MT spindles
- Precision machining
- Quick action cam controls
- 1-yr. mfr.'s warranty

Variable speeds 250-4,000 rpm. Capacity 12" swing over bed. Distance between centers 16-1/2". Head & tailstock taper 2MT. Drive spindle 1"- 8TPI, RH thread.

**Includes** 3" faceplate, 6" toolrest, spur-drive center, live tailstock center, knockout bar, handwheel unit and manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>892450</b>	46300	120	3/4	1	Manual	<b>\$578.00</b>

#### 24.6"L Bed Extension

<b>892465</b>	47001					<b>\$145.00</b>
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### VS Maxi-Lathe VF

**General Intl.** Lathe features 3 variable speed ranges (250-800, 550-1,700 & 1200-3,600) and offers 1,950 rpm.

- 15° positive indexing positions for a total of 24 positions

- Cast iron frame, head & tailstock reduce vibration for smoother turning
- Spindle forward/reverse rotation knob for precision sanding & polishing
- Quick-lock levers easily position toolrest
- Quick-release lever for quick belt positioning changes

3 VS speed 250-3,600 rpm.

Spindle drive (in. x TPI) 1"-8 RH thread. 3/8" drive through hole. Capacity 14" swing over bed, 10-3/4" swing over toolrest base. Distance between centers 17".

Head & tailstock taper MT-2, through hole 3/8". Spindle travel 2". Tool size 34"L x 9"W x 17"H. Tool weight 93 lbs.

**Includes** 6" toolrest, 1" dia. toolrest post, 3" faceplate, live center, spur center, knockout bar, safety glasses & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420690</b>	25-114QCM1	110	3/4	1	Manual	<b>\$1,040.00</b>



### VS MIDI Lathe

**DELTA** Stable, cast iron lathe offers a large 12-1/2" swing capacity. Automatic belt tensioning system allows quick, easy speed changes, plus sets correct belt tension for maximum power transfer.

- Indexing pin locks head stock spindle in 24 positions for fluting & other decorative applications
- Over headstock on/off switch for easy-in-use access
- 16-1/2" distance between centers to turns objects as long as a chair leg or as short as a thimble
- Ball-bearing live center for smooth turnings
- 4-groove belt provides superior power to turn large objects.
- Large up-front belt access for easy speed changes
- Heavy-duty, steel knockout bar
- On-board tool storage

VS 250-4,000 rpm.

Spindle drive (in. x TPI) 1"-8 RH thread. 15/32" drive through hole. Capacity 12-1/2" swing over bed, 9-9/16" swing over toolrest base. Distance between centers 16-1/2". Center height 14-1/2".

Head & tailstock taper MT-2, through hole 13/32".

Spindle travel 2-1/4". Tool size 36"L x 11"W x 17-3/4"H. Weight 93 lbs.

**Includes** 3" faceplate, 2 toolrests (6" & 10").

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>751841</b>	46-460	120	1	1	Manual	<b>\$784.00</b>

#### Stand

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>751843</b>	46-462					<b>\$232.00</b>



### 12" VS Wood Lathe JET

- Smooth forward to reverse transition
- Integrated, spring loaded spindle lock
- Conveniently located controls & DRO
- Acme thread in tailstock

- 24 integrated indexing positions

3 speed variable 60-90, 110-1,800, 220-3,600. Spindle thread 1"-8 TPI. 3/8" drive through hole.

Capacity 12.5" swing over bed, 9.45" swing over toolrest base. Distance between centers 20.5".

Head & tailstock taper MT-2, through hole 3/8". Travel 2-1/4".

24 indexing positions. Outboard Turning 33-3/5"L x 11"W x 17-7/10"H. Tool size 36.6"L x 11"W x 17.7"H. Tool weight 55 lbs.

**Includes** 6" & 10" toolrests, 3" faceplate, spur and live centers, knockout rod, spindle wrench & tool caddies.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486022</b>	JWL-1221VS	115	1	1	Manual	<b>\$1,008.00</b>

#### Stand

<b>486023</b>	719202					<b>\$440.00</b>
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of the products listed on this page.



### 14" Wood Lathe

**JET** Heavy-duty, cast iron wood lathe constructed for durability, stability and vibration-free work.

- Headstock pivots 360° w/7 positive locking positions (0° - 270°)

- Positive locking tool rest w/redesigned clamping
- Acme thread in tailstock
- Improved tailstock quill locking w/anti-rotation key
- Easy-to-read RPM display
- CSA Certified

VS 400-3,000 rpm. Spindle drive (in. x TPI) 1"-8 RH thread.

Capacity 14-1/2" swing over bed, 11" swing over tool rest base.

Distance between centers 40". Head & tailstock taper MT-2, through hole 3/8".

#### Prewired 115V.

**Benchtop Lathe** Tool size 74"L x 18"W x 18.26"H. Weight 220 lbs.

**Includes** toolrest extension, faceplate, spur & live centers, spindle & index locks, tooling knockout, wrench & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486028</b>	JWL-I440VS	115/230	1	1	Manual	<b>\$1,529.00</b>

**Floor Model Lathe** Tool size 74"L x 18"W x 49"H. Tool weight 352 lbs.

**Includes** legs, toolrest extension, faceplate, spur & live centers, spindle & index locks, tooling knockout, wrench & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486029</b>	JWL-I440VSK	115/230	1	1	Manual	<b>\$1,882.00</b>



### 16" EVS Pro Lathe

**JET** Heavy-duty, cast iron lathe bed and legs add stability while limiting vibration during operation. Electronic inverter allows infinite speeds from 0 to 3,200 rpm.

- Digital readout w/dial to select desired speed
- High/low speed-change lever quickly changes belt positions

- Spindle w/36 positive-locking indexing in 10° increments for fast, efficient fluting & veining operations
- Spindle locks allow easy removal/replacement of faceplates & chucks
- Live center w/removable pin for boring through stock
- Cam-lock mechanisms allow tool-free adjustments of headstock, tailstock & toolrest base
- Hollow tailstock allows long hole boring for lamps & other vessels
- Legs w/cast-in holders for 2x4's or a 2x12 to construct a solid tool or sandbag shelf
- Tool storage basket
- 5-yr. mfr.'s warranty

Speeds 50-1,200 rpm & 125-3,200 rpm.

Spindle drive (in. x TPI) 1-1/4"-8 RH thread. 3/8" drive through hole.

Capacity 16" swing over bed, 12" swing over toolrest base.

Distance between centers 42".

Head and tailstock taper MT-2, through hole 3/8". Spindle travel 4".

Tool size 63-1/2"L x 20"W x 50"H.

Tool weight 410 lbs. (JWL-I642EVS0), 456 lbs. (JWL-I642EVS-2).

**Includes** open-style rigid stand, 14" toolrest, 6" faceplate, spur center, dual-bearing live center, tooling knockout, spindle & indexing locks, safety shield & brake resistor, tool basket & wrench.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486006</b>	JWL-I642EVS	115	1.5	3	Manual	<b>\$2,661.00</b>
<b>486007</b>	JWL-I642EVS-2	230	2	1	Manual	<b>\$3,008.00</b>



### 16" Lathe

**General Intl.** Ideal for turning chair or table legs and columns, as well as bowls.

- 6" face plate for bowl turning
  - Forward or reverse rotation
  - Heavy-duty, cast-iron bed & stand for stability & minimal vibration
  - Headstock swivels 360° w/positive stops at 0°, 45°, 90°, 135°, 180° & 270° & quick-lock for outboard turning
  - Digital spindle speed (RPM) readout
  - Large onboard storage space
  - Electronic inverter for VS adjustment
  - Movable emergency switch can be placed to suit the operator
  - Quiet, highly efficient, low power consumption motor
  - Low/high speed change lever for quick belt position changing
- 3 VS 45-3,750 rpm. Spindle drive (in. x TPI) 1-1/4"-8 RH thread. 3/8" drive through hole.
- Capacity 16" swing over bed, 14" swing over toolrest base. Distance between centers 42". Head and tailstock taper MT-2, through hole 3/8". Spindle center line to floor 44-1/2". Tool size 64"L x 15"W x 48"H. Tool weight 418 lbs.

**Includes** stand, 14" toolrest, 6" faceplate, live center, spur center, knock-out bar, wrenches & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420706</b>	25-650ABCM1	220	2	3	Manual	<b>\$3,147.00</b>



### 16" Wood Lathe

**NOVA** Stationary lathe capabilities in compact workspace.

- Strong 2MT spindles
- Precision machining
- Quick action cam controls
- Fully 360° swivel head plus detent positions at 0, 22, 4 & 90°
- 1-yr. mfr.'s warranty

8 speed 215 - 3,600 rpm. Spindle drive (in. x TPI) 1-1/4"-8 RH thread.

Capacity 16" swing over bed, 10" swing over toolrest base.

Distance between centers 24".

Head & tailstock taper MT-2 hollow.

360° swivel head & lock at any position, plus detent locating positions at 0, 22, 4 & 90°. Tool weight 251 lbs.

**Includes** 3" faceplate, 12" toolrest, 2MT live center, 2MT spur center, stand & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>892430</b>	24146	115	1.5	1	Manual	<b>\$1,588.00</b>

#### 20" Bed Extension

<b>892480</b>	55195					<b>\$318.00</b>
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### 20" Floor Model Lathe

**POWERMATIC** Digital readout allows user to see the exact spindle rpm for accurate adjustments and fine tuning.

- Headstock allows for better chisel angles when turning the back side of a bowl

- Brass-tipped knockout bar concentrates the action in the sliding handle w/out marring any of the drive centers
- Poly V-belt, inverter drive system
- Tool rest geometry allows better chisel movement
- Tool caddy mounts directly to the lathe
- Tailstock storage offers chip-free storage

2 VS 0-1200, 0-3200 rpm. Spindle drive (in. x TPI) 1-1/4"-8 RH thread. 5/8" drive through hole. Capacity 20" swing over bed, 20" swing over toolrest base. Distance between centers 34-1/2".

Head & tailstock taper MT-2 through hole 3/8" in tailstock. Spindle travel 4". Tool 50"L x 24"W x 44"H (adjustable). Weight 650 lbs.

**Includes** inverter, safety shield, 3" faceplate, multiple ball-bearing line center, drive center, 14" toolrest, spindle lock & knockout rod.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>653906</b>	1352001	220	2	1 or 3	<b>\$4,536.00</b>

#### Cup & Spur Center Points

<b>673383</b>	3582202				<b>\$11.00</b>
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### 24" Lathe

**POWERMATIC** This lathe pushes the limits of design, innovation and durability.

- Sliding headstock with electronic variable speed & digital RPM readout for accurate speed adjustments
- Spindle lock & built in spindle indexing on the headstock for drilling hole patterns, routing flutes & other equally spaced features

- Vacuum system provides quick method of chucking bowl blanks
- 15-amp quad receptacle for easy reach of powered accessories
- Two 100W task lamps provide ideal lighting
- Air nozzle w/quick connect for clearing dust chips
- Set of dead centers which hold a spindle for visual comparison
- Laser etched quill is self ejecting
- 2-position mount for the optional bed extension
- Brass tipped knockout bar concentrates the action in the sliding handle; the brass tip will not damage drive centers
- Attached tool caddy allows convenient access to centers, wrenches, etc.
- Tailstock has internal storage for additional accessories
- Chrome trimmed handwheels are ergonomic for a comfortable feel
- Magnetic-backed remote on/off switch can be moved anywhere on the machine

Speeds 40 - 3,500 rpm. Spindle 1-1/4" x 8 TPI nose. 5/8" hole. Headstock & tailstock taper MT-2. Hole through tailstock 3/8". Ram travel 4-1/2". Capacity 24" swing over bed, 21" swing over toolrest base. Distance Between Centers 42". Head & tailstock taper MT-2, through hole 3/8". Spindle travel 4-1/2". Tool size 68"L x 27"W x 31-1/2"H. Tool weight 948 lbs.

**Includes** 2 lamps, guard, faceplate, live spur centers, 14" toolrest & base, faceplate wrench, knockout rod, spindle lock & remote on/off switch.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>656700</b>	1794224K	220	3	1 or 3	<b>\$7,839.00</b>

### Powermatic 20" & 24" Lathe Accessories

#### POWERMATIC

##### Bowl Turning Lathe Tool Supports

Stk.	Mfr.	Size	Price
<b>676810</b>	6294740	Right-hand	<b>\$180.00</b>
<b>676821</b>	6294751	Left-hand	<b>\$180.00</b>

##### Lathe Faceplate

<b>676806</b>	6294736	3" dia.	<b>\$166.00</b>
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##### Lathe Spur Center

<b>676800</b>	6294725	1"	<b>\$22.90</b>
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##### Lathe Tool Supports

<b>676809</b>	6294739	6"	<b>\$120.00</b>
<b>676812</b>	6294742	14"	<b>\$167.00</b>

##### Live Center Assembly

<b>676902</b>	6295902		<b>\$126.00</b>
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#### Beeswax

**Dadant** Use to prevent burning on lathe projects by coating the lathe cup center thoroughly. Also used for coating wood screw threads for easier driving.

Stk.	Mfr.	Item	Qty.	Price
<b>314901</b>	W00203	Plug	1 oz.	<b>\$1.30</b>
<b>314900</b>	W00202	Block	1 lb.	<b>\$17.90</b>

#### Wood Lathe Guard



**General Intl.** Ensures safety against flying wood chips, broken tools, dust, etc. Easily installed on the lathe bed. Support column height can be adjusted to suit the clearance needed

for the shield depending on the size of your lathe.

Stk.	Mfr.	Price
<b>420692</b>	25-160	<b>\$423.00</b>

#### Mini Lathe Duplicator



**General Intl.** Designed specifically for mini-style lathes or lathes with shorter bedways. Duplicates from original spindle or template.

- Creates perfectly matched spindles
- Extruded aluminum base & carriage
- High-speed steel cutter
- Hand wheel controlled chain drive system

Duplicating length: 17-7/8". Duplicating diameter: 7" (depending on lathe swing over bed). Duplicating depth: 3" Spindle diameter: 3". Width of template: 2". Depth of cut per pass: 1/8".

Stk.	Mfr.	Price
<b>420680</b>	25-024	<b>\$440.00</b>

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### Pen Turning Starter Kit

#### General Intl.

**Includes** 1 pen turning hardware kit for each pen style, 5 assorted wooden pen blanks (*Slimline, Funline, Executive, Vertex, Polaris*) & 1 wine stopper hardware kit.

Stk.	Mfr.	Price
<b>420672</b>	25-005	<b>\$86.90</b>



### Supernova 2 Chuck

**NOVA** For use on lathes with up to a 20" swing.

- Fully sealed composite indexing backing plate
- Single-handed operation w/Tuff Lock™ technology
- Precision machined 1045 high tensile steel body

• Supernova 2 'Z' insert chuck (w/50mm Jaws chuck)

**Requires a chuck insert/adapter to fit to your lathe.**

Stk.	Mfr.	Price
<b>892420</b>	23055	<b>\$233.00</b>



### G3 Comet II Reversible Chuck

**NOVA** Reversible chuck designed exclusively for use with Nova Comet II Midi Lathe.

- Single-handed operation w/Tuff Lock™ technology
- Precision machined 1045 high tensile steel body
- Open back for easy cleaning

- Compact design minimizes load on the smaller spindle & bearings
- Dedicated 1" 8TPI thread to fit Comet II midi lathe

**Includes** chuck key (*pinion*), woodworm screw, 50mm jaw set, M6x6 countersunk screws, 3mm & 4mm Allen key & manual.

Stk.	Mfr.	Price
<b>892470</b>	48232	<b>\$187.00</b>



### Infinity Lathe Chuck

**NOVA** Chuck delivers fast jaw change outs. It solves the major problem with changing jaws on conventional wood turning chucks where screws are often hard to remove and can stick in place or the screw heads snap off. All 4 jaw segments can be removed and different jaws positively locked in place under 30 seconds. This

makes it easy and fast to mount the right jaws and change out jaws for the next project.

- Takes standard NOVA inserts to adapt to a wide range of lathes
- Accepts Infinity jaw accessory range

**Includes** 4" chuck, jaw slides, operating handle, manual, 3mm allen key & 6mm grubscrew.

Stk.	Mfr.	Price
<b>892500</b>	8012	<b>\$344.00</b>

**Upgrade Kit** Converts the mounting system of all NOVA jaw sets to be compatible with Infinity jaw slides. For Precision Midi, G3, SuperNOVA2 from 2004. **Includes** 4 upgrade slides (No. 1 - 4) & manual.

Stk.	Mfr.	Price
<b>892501</b>	8100	<b>\$176.00</b>

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### Tool Rests

**NOVA** Toolrest with solid cast iron top and 1" shank. For smaller work when you don't want a tool rest to get in the way. 2-yr. mfr.'s warranty.

Stk.	Mfr.	Size	Price
<b>892415</b>	TR100/I	4"L	<b>\$39.30</b>
<b>892416</b>	TR300/I	12"L	<b>\$56.80</b>



### Drive Spur Center

**DELTA** For headstock. Replaceable center pin, hardened & polished.

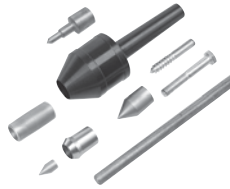
Stk.	Mfr.	Price
<b>755104</b>	46-933	<b>\$36.10</b>



### Keyed Drill Chuck

**Jacobs** For drilling on the lathe. 0 to 1/2" capacity.

Stk.	Mfr.	Price
<b>543500</b>	14445-7312	<b>\$149.00</b>



### Live Center System

**NOVA** Unique combination center system provides a high quality, comprehensive tailstock support for virtually all spindle turning requirements. Precision machined & 3 bearings for maximum long life.

**Includes** quick change morse taper (2MT), threaded center, 60° center, stepped cone & manual.

Stk.	Mfr.	Price
<b>892475</b>	5015	<b>\$102.00</b>



### Live Center Set

**Steelex** 7 interchangeable tips. High-quality needle bearings prolong tool life & special tool steel body & tips are precision ground.

Stk.	Mfr.	Item	Price
<b>785670</b>	M1068	MT2	<b>\$98.30</b>



### Flexiguard™ Shields

**Flexbar** Eye, face, neck & hand protection from splashes & chips. For most woodworking, metalworking & portable power machines. Curved plastic shield on rugged flexible gooseneck. Positively deflects chips & coolant. Permits clear & closer visual inspection of work.

**C-Clamp Base** For clamping shield on hard-to-affix locations. 1-3/8" clamp capacity, 1 1/16" throat to screw center, arm w/clamp 13-1/2"L.

Stk.	Mfr.	Size	Price
<b>408502</b>	13001	7-1/2" x 10"	<b>\$51.30</b>
<b>408503</b>	13002	10" x 12"	<b>\$56.70</b>
<b>408504</b>	13003	12" x 16"	<b>\$66.20</b>

**Magnetic Base** Disc magnet w/85 lbs. pull. Arm w/magnet 10"L. Shield swivels & locks 360°.

Stk.	Mfr.	Size	Price
<b>408505</b>	13004	7-1/2" x 10"	<b>\$50.00</b>
<b>408506</b>	13005	10" x 12"	<b>\$56.70</b>
<b>408507</b>	13006	12" x 16"	<b>\$62.10</b>





### 8-Piece Lathe Turning Tool Set

**Steelex** Proportionally longer handles to cutting tools, chisels offer outstanding control. 14-1/2"L.

**Includes** 1/2" spear point, 1/8" parting tool, 1/4" 1/2" & 3/4" gouges, 1/2" round nose & 1" & 1-1/2" skew chisels.

Stk.	Mfr.	Price
<b>785620</b>	D2228	<b>\$49.70</b>



### Lathe Turning Tool Sets

**Great Neck** Forged from premium quality steel. Hardened, ground & polished w/proper bevels. Blades measure 6 to 12"L. Natural finish hardwood handle 10 to 12"L.

**4-Piece Includes** 1" skew, 1/2" spear, 1" gouge & 1/2" parting tool.

Stk.	Mfr.	Price
<b>281015</b>	404	<b>\$56.80</b>

**8-Piece Includes** 1/2" & 1" skew chisels, 3/8", 5/8" & 1" gouges, 1/2" spear round nose, 1/2" spear point, 1/2" parting tool.

Stk.	Mfr.	Price
<b>281065</b>	800	<b>\$108.00</b>



### 5-Piece Turning Chisel Set

**Steelex** For fine detail turning. Hardwood handles and high quality carbon steel cutting edges.

**Includes** 1/16" & 1/8" radius gouge, 3/16" parting tool, 1/4" spear point & 1/4" skew.

Stk.	Mfr.	Price
<b>785629</b>	D2250	<b>\$39.20</b>



### 6-Piece Lathe Turning Tool Set

**DELTA** Constructed of high-quality, HSS w/ wooden handles.

**Includes** 3/4" roughing gouge, 3/8" spindle gouge, 3/4" oval skew, 1" square end scraper, 3/16" diamond section parting tool, 1/2" round nose scraper & wooden case.

Stk.	Mfr.	Price
<b>753235</b>	46-626	<b>\$188.00</b>



### Center Finder

**Robert Larson** Locates the exact center in a piece of wood in seconds without calculations. 8" max. for circle, octagon, square and 5-3/4" max. for hexagon.

Stk.	Mfr.	Size	Price
<b>768875</b>	800-2875	9"L x 6"W x 1/2"H	<b>\$4.92</b>

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## BELT & DISC SANDERS



### 1" x 42" Belt Sander

**Kalamazoo** Sander provides up to 1,725 rpm, and enclosed steel stand with 100 cfm dust collector.

- Enclosed belt guard & dust collector
- Dry belt sander, vertical position only
- Tilting table • 4" contact wheel • USA made

Belt speed 1,800 sfm. Belt size 1"W x 42"L.

Platen 1"W x 17"L. Table tilt 30° up & down.

Table 3"W x 3"L. Tool 14"W x 12"L x 32"H. Weight 95 lbs.

**Includes** 80-grit abrasive sanding dry belt & enclosed stand w/dust collector & dust bag.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>491424</b>	ISMV	110	1/3	1	Toggle Switch	<b>\$1,176.00</b>



### 4" x 60" Belt Sanders

**Kalamazoo** Steel-constructed sanders offer long belt and platen sizes, plus 1 or 3 phase motors that provide up to 3,450 rpm.

- Worktable, reversible platen
- Dry belt sander, vertical position only
- Quick belt change, pre-set belt tension, easy belt tracking

• Full OSHA belt guard • 4" pulley, direct drive • USA made  
Belt speed 3,600 sfm. Belt size 4"W x 60"L. Platen 4"W x 17"L.  
Table 6"W x 6"L. Tool: 14"W x 16"L x 33"H, 26"W x 18"L x 60"H w/stand.  
Tool weight: 145 lbs., 485 lbs. w/stand.

**Includes** 80-grit abrasive sanding dry belt.

**Please specify voltage. 110V or 220V will be shipped if not specified.**

### Bench Model

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>491420</b>	S460D-1	110/220	1	1	Toggle	<b>\$1,727.00</b>
<b>491421</b>	S460D-3	220/440	1	3	Toggle	<b>\$1,727.00</b>

**Floor Model** Enclosed steel stand features a powerful mounted dust collector. **Includes** filter.

<b>491422</b>	S460V-1	220	1	1	Toggle	<b>\$2,964.00</b>
<b>491423</b>	S460V-3	220/460	1	3	Toggle	<b>\$2,964.00</b>



### 6" x 48" Belt Sanders

**J E T** Fine thread adjusting sanders offer simple, easy tracking for a variety of finishing operations. Plain and compound miters are easily obtained using the die-cast aluminum miter gauge.

- Handles all production line finishing operations
- Adjustable heavy-duty cast iron removable platen
- Table tilts in & out for angle finishing
- Removable upper guard for contour finishing
- Variable-position locks, belt head adjusts vertically & horizontally
- Enclosed drums & guarded sanding belt
- Adjustable dust deflector & chute

Belt speed 2,850 sfm. Belt size 6"W x 48"L. Platen 6-1/4"W x 14-3/4"L.

Table size 7-3/8"W x 14-3/4"L. Table tilt 20° in, 45° out.

Tool size 25-1/2"W x 19"L x 57-1/2"H. Tool weight 215 lbs.

**Includes** enclosed stand.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>961509</b>	J-4300A	115/230	1-1/2	1	Push-Button	<b>\$1,661.00</b>
<b>961510</b>	J-4301A	230/460	1-1/2	3	Push-Button	<b>\$1,661.00</b>



### 9" Disc Sander

**Proxxon** Electronically-adjustable speeds allow optimal control when working on delicate materials. Ideal for wet sanding as well as sanding, polishing, deburring and beveling. Use for hard and softwood, non-ferrous metal, steel, plastic, Plexiglas®, fiberglass-reinforced plastic, cork and rubber.

- Sands long edges, end sections, radii, miters & by turning work over, accurate flat surfaces at right angles
- Table tilt w/scale for accurate adjustments
- Machined disc driven by a twin ball bearing spindle
- Ribbed die cast aluminum body
- Machined die cast aluminum table

Disc speed 820-2,460 fpm. Disc size 9-27/32".

Table size 10-13/16"L x 4-1/8"W x 5-5/16"H. Table tilt 15° in, 45° out.

Miter gauge groove 5/16". Tool size 11"L x 3"W x 9"H. Tool weight 14 lbs.

**Includes** miter gauge & 2 ea. 80 & 240-grit sanding discs.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>303002</b>	38060	110/120	1	1	Push-Button	<b>\$463.00</b>



### 12" Disc Sanders

**Kalamazoo** Heavy-duty, all-steel construction with a 12" aluminum disc. Floor model comes complete with enclosed stand and built-in vacuum dust collector.

Disc speed 1,725 rpm. Disc size 12" dia.

Table size 14"L x 8"W. Table tilt 45° down, 10° up.

Tool size: 6"L x 22"W x 15"H. 85 lbs. (DS12),

24-1/2"L x 21"W x 44-1/2"H. 150 lbs. (DS12V).

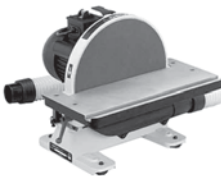
#### Bench Model

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>490950</b>	DS12	110/220	1	1	Push-Button	<b>\$972.00</b>

**Floor Model Includes** enclosed stand w/dust collector.

<b>490951</b>	DS12V	110	1	1	Push-Button	<b>\$1,683.00</b>
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490950|Please specify voltage.



### 12" Bench Disc Sander

**DELTA** Heavy-duty cast iron construction with heavy-duty steel bevel assembly supporting the table. Tilting cast-iron table with left and right positive stops at 22.5°, 45° & 90° locks in position with 1 dual-purpose lock and bevel table adjustment handle.

- Convenient top-mounted manual brake stops sanding disc in seconds
- Heavy-duty, steel disc plate features a 12" diameter, 80 grit abrasive disc for fast, efficient sanding
- Integral dust collection fan draws dust away from table & into hose for cleaner sanding operation
- Dust hose with 2-1/4" O.D. connectors attaches quickly to any standard shop vacuum
- Features a 3/8" x 3/4" miter gauge slot machined into the table for projects that require sanding an angle or straight edge
- Cast-iron base w/pre-drilled base holes for easy bench mounting
- 5-yr. mfr.'s warranty

Disc speed 1,725 rpm. Disc size 12". Table size 17-1/4" x 6-1/4".

Table tilt 45° up & down. Tool size 17-3/4"L x 17-1/4"W x 15"H.

Tool weight 72.6 lbs.

**Includes** miter gauge, hose with 2-1/4" O.D. connectors, 80 grit abrasive disc & wrenches.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>726570</b>	31-140	120	1/2	1	Manual	<b>\$285.00</b>



### 12" Disc Sanders Model JDS-120

**JET** Collects and filters the dust it produces. Canister filter with a built-in dust impeller creates a stand-alone, virtually dust-free sanding system. Airflow pulls the dust from the outer edges of the disc and captures it in a 2-micron canister filter. A quarter turn removes canister to clean. Machine features a powerful TEFC 1 HP motor; convenient brake to quickly slow the disc, tilting table with positive stops at 45° and 90°, miter gauge and circle jig.

Disc speed 1,720 rpm. Disc size 12" dia.

Table size 16-3/8"L x 9-3/4"W. Table tilt 45° down, 15° up.

Tool size 21"L x 25-5/8"W x 21"H. Tool weight 100 lbs.

**Includes** miter gauge, circle jig & 80-grit abrasive wheel.

**Please specify voltage. Sander shown w/stand & dust collector.**

**Floor Model Open steel stand & canister dust filter.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485938</b>	JDS-120S	115/230	1	1	Push-button	<b>\$685.00</b>

**Bench Model 4" dia. dust port for standard dust collection system.**

<b>485939</b>	JDS-12B	115/230	1	1	Push-button	<b>\$592.00</b>
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### 12" Disc Sander Model J-4400

**JET** Industrial machine, with optimum speed of 1,960 rpm, are ideal for both metal and wood finishing. Fully-machined and balanced disc runs vibration free.

- Large cast iron slotted table
- Easy-to-read scale shows exact degree of table tilt
- Heavy-duty 1-piece steel stand
- Plain & compound miters are easily obtained by using the standard die-cast aluminum miter gauge



Disc speed 1,960 rpm. Disc size 12" dia. Table size 12"L x 16-3/8"W.

Table tilt 45° up. Tool size 16"L x 19"W x 43"H. Tool weight 175 lbs.

**Includes** miter gauge, drive pulleys, V-belt, 3-pole single throw switch & enclosed stand.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>961511</b>	J-4400A	115/230	1-1/2	1	Push-button	<b>\$1,335.00</b>

### 20" Disc Sander

**Baileigh** Cast iron base and work table reduce vibration.

- Heavy column further increases rigidity
- Powerful motor suitable for most fabrication or machine shops
- Hand wheel adjustment allows miters up to 45°
- Variable angle table can be moved up or down by hand wheel adjustment



- Can be attached to dust extraction system

Disc speed 1,100 rpm. Disc size 20" dia. Table tilt 45° down, 30° up.

Tool size 30.5"L x 28"W x 54.5"H (shipping). Tool weight 438 lbs. (shipping).

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>222575</b>	DG-500	220	2	1	Manual	<b>\$1,817.00</b>

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### 1" Belt / 5" Disc Sander

**Rikon** Sander is great for working on small craft projects. The machine's small motor is very efficient in driving the belt and disc, so stock removal goes quickly. Recommended for light-duty use.

- Powerful induction motor provides plenty of power for sanding
- Spring loaded tension automatically keeps belt at best-operating level

- Belt tracking knob allows correct positioning of belt
- PSA sandpaper disc applies quickly to metal disc plate for instant use
- Work table adjusts 0° to 45° w/large locking handle for sanding angles
- Dust hood & port for efficient dust removal
- On/Off switch w/removable safety tab for extra security
- Mfr.'s 5-yr. warranty

Belt size 1" x 30". Belt speed 3,340 sfpm. Disc size 5" dia.  
Disc speed 3,340 rpm. Belt table size 7-1/4" x 3-3/4", tilt 0°-45°.  
Tool size 15"W x 12-5/8"D x 14-5/8"H. Weight 15.5 lbs.

**Includes** miter gauge, sanding disc & sanding belt.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>694225</b>	50-151	120	1/3	1	Manual	<b>\$141.00</b>



### 2" Belt / 6" Disc Combination Sander

**Baileigh** Combination disc and belt grinder has a disc grinder and belt grinder combined into one compact floor plan, perfect for base or bench mounting.

- Belt can run horizontally or vertically to 50°

- Quick release locks for chamfer angle adjustment
- Fan cooled motor for constant run applications
- Easy belt adjustment
- Quick release lever for fast belt changes

Belt size 2" x 40". Belt speed 4,330 fpm. Disc size 6" dia.  
Disc speed 2,800 rpm. Table size 5.31"L x 3.14"W.  
Tool size 23"L x 18"W x 15"H (shipping). Tool weight 71 lbs. (shipping).

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>222570</b>	DBG-62	110	1	1	Manual	<b>\$886.00</b>



### 4" Belt / 6" Disc Sander

**SKIL** 4 Amp motor 2-in-1 sanding station for sanding a variety of lengths and angles. Beveling table allows 45° to 90° sanding.

- 0-90° belt angle adjustment

- Miter gauge for sanding miter angles
- Quick shut-down safety switch
- Tension spring adjustment for secure belt tracking
- Cast iron base w/pre-drilled holes for easy bench top mounting

Belt size 4" x 36". Disc size 6" dia.

**Includes** abrasive disc & belt, miter gauge, tilting table, wrenches, dust port.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>260571</b>	3376-01	120	.4	1	Manual	<b>\$173.00</b>



### 1" Belt / 8" Disc Sander

**JET** Abrasive belt works as a jig saw, coping saw or hand file to remove and finish in small openings and with odd shapes and angles. Disc unit fast and efficiently grinds, sands and finishes large workpieces (tilt table for chamfering & beveling).

- Deluxe miter gauge turns & locks at 45° R&L
- Removable platen allows sanding, grinding or finishing outside curves & odd-shaped workpieces on the belt
- Use non-woven synthetic belts to blend, polish, buff or finish metal surfaces & defuzz wood surfaces
- Slotted table accepts miter gauge
- Hinged idler wheel cover

Belt size 1" x 42". Belt speed 3,000 sfm. Disc size 8" dia. Disc speed 1,725 rpm.  
Table size: for belt 6-1/8"L x 7-1/8"W, tilt 45°. for disc 4"L x 10"W, tilt 45°.  
Tool size 21"L x 22"W x 14"H. Tool weight 80 lbs.

**Includes** miter gauge, tilting table, steel base w/rubber feet, removable platen, adj. dust deflector & 1-1/2" dia. dust port.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485995</b>	J-4002	115	1/3	1	Manual	<b>\$486.00</b>



### 1" Belt / 8" Disc Sander

#### General Intl.

- 2 belt platens allow for use with either 1" or 2" x 42" sanding belts
- Quick-change belt tension lever
- Cast-aluminum belt guard w/removable see-through top cover
- Safety switch w/removable lock-out key
- 2 built-in 1-1/2" dust ports
- Large cast-aluminum tables

Belt size 1" x 42" & 2" x 42". Belt speed 3,100 fpm.  
Belt table 10-1/4" x 6", tilt: 45° out. Disc size 8" dia. Disc speed 3,450 rpm.  
Disc table 10-3/4" x 7", tilt: 10° in, 45° out. Tool weight 40 lbs.

**Includes** miter guide, 2 belt platens, 1" & 2" 100 grit sanding belts & 8" 100 grit sanding disc.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420632</b>	15-142M1	120	1/2	1	Push-button	<b>\$517.00</b>



### 2" Belt / 8" Disc Sander

**JET** The design of this machine permits sanding, grinding and finishing of outside curves or odd-shaped pieces. Heavy-duty base, cast construction and cast iron tilting table.

- Deluxe miter gauge that turns and locks for common angles, 45° both left & right
- Grind, sand or finish large work pieces on the disc unit fast & efficiently
- Easy belt changes with a variety of grit belts, keeps the machine cool
- Hinged idler wheel cover
- Removable platen
- Dust deflector & chute
- 2-yr. mfr.'s warranty

Belt size 2"W x 42"L. Belt speed 3,100 sfpm. Disc size 8" dia.  
Disc speed 3,450 rpm. Table size 10-3/4"L x 7-1/2"W.  
Table tilt 45° up/down (belt table), 45° (disc table).  
Tool size 20-1/2"L x 22-3/4"W x 20"H. Tool weight 58 lbs.

**Includes** miter gauge, 2 @ 1-1/2" dia. dust chutes & hex wrenches (3, 4, 6mm).

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486017</b>	J-41002	115	3/4	1	Manual	<b>\$506.00</b>

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### 6" Belt / 9" Disc Sanders

**J E T** 3/4 HP motor handles tough sanding operations. Large cast iron table has preset stops at 90° and 45° for belt sander use vertically, horizontally or anywhere in between.

- Tracking adjustment knob w/quick-lock handle keeps belt on track during use
- Graphite covered steel platen runs cooler increasing machine & belt life
- Belt guard allows full use of the 6" belt (W & L)

- Rubber-coated drive drum has a better grip on the sanding belt for less slippage
- Quick-release belt tension lever makes belt changes fast & easy
- Quick-lock dust cover allows fast disc changes
- Built-in handles
- 4" dust port collects dust from belt & disc
- 5-yr. mfr.'s warranty

Belt size 6" x 48". Belt speed 2,258 sfm. Disc size 9" dia.

Disc speed 1,725 rpm. Table size 12"L x 7-1/2"W.

Table tilt 10°/45° up/down (belt table), 10°/45° up/down (disc table).

Tool size 29"L x 16"D x 45-1/2"H.

Tool weight 159 lbs. (JSG-96OS), 196 lbs. (JSG-96CS).

**Includes** 80-grit sanding belt, 80-grit sanding disc, tilting table, backstop, circle jig & steel stand.

#### Open Stand

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486003</b>	JSG-96OS	115	3/4	1	<b>\$921.00</b>

#### Enclosed Stand

<b>486004</b>	JSG-96CS	115	3/4	1	<b>\$1,021.00</b>
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### 6" Belt / 10" Disc Sander

**Rikon** Sander offers a powerful motor, high positioned disc location, cast aluminum disc table with rack & pinion table angle-setting handle system. Belt frame adjusts in any position from horizontal to vertical to meet your sanding needs. The belt's support fence can be removed for full access to the whole length of the belt.

- Frame & base made of cast iron for extra rigidity
- Spring loaded tension automatically keep belt at best-operating level
- Belt tracking knob allows correct positioning of belt on frame
- PSA sandpaper disc applies quickly to metal disc plate for instant use
- Work table adjusts 0° to 90° w/large locking handle for sanding angles
- Dust hood & port for efficient dust removal
- On/Off switch w/removable safety tab for extra security
- Mfr.'s 5-yr. warranty

Belt size 6" x 48". Belt speed 1,836 sfpm. Disc size 10" dia.

Disc speed 2,510 rpm. Table size 6-3/4" x 13". Belt tilt 0°-90°.

Tool size 31-1/2"L x 22"W x 41-1/2"H. Weight 86.6 lbs.

**Includes** stand, miter gauge, sanding disc & sanding belt.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>694220</b>	50-122	120	1	1	<b>\$417.00</b>

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[www.midwesttechnology.com](http://www.midwesttechnology.com)



### 6" Belt / 12" Disc Sanders

**J E T** Operate horizontally, vertically and at any angle in between using this belt sander. Disc and sanding tables feature quick reference positional stops at 90° & 45°.

- Belt tracking adjustments are easily made w/dual thumb screws
- Belt guard allows full usage of the 6"W belt
- 2 precision-ground cast iron tables w/miter gauge slots

- 4" dust port base collects most dust before it becomes airborne

Belt size 6"W x 48"L. Belt speed 2,500 sfm. Disc size 12" dia.

Disc speed 1,725 rpm. Table size 12"L x 10"W.

Table tilt 20°/45° up/down (belt table), 25°/45° (disc table).

Tool size 29-1/2"L x 28"W x 39-1/2"H. Tool weight 210 lbs.

**Includes** miter gauge, back stop, 60-grit sanding belt, 60-grit sanding disc, 4" dust chute & open stand.

**Please specify voltage. 115V will be shipped if not specified.**

#### Open Stand

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485849</b>	JSG-6DCK	115/230	1-1/2	1	<b>\$1,368.00</b>

#### Enclosed Stand w/Casters

<b>485899</b>	JSG-6CS	115/230	1-1/2	1	<b>\$1,680.00</b>
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### 6" Belt / 12" Disc Sander

**General Intl.** 1 HP sander features 2 large, cast iron tilting tables for unlimited sanding operations. Sanding belt operates at any angle from horizontal to vertical.

- Safety switch & thermal overload protection prevent motor damage
- Graphite-covered steel plate reduces friction & extends belt life
- Heavy-duty, enclosed cabinet protects motor from sanding dust

- Quick-change belt tension lever for fast changes

- Two 4" dia. dust ports

- CSA Approved

Belt size 6"W x 48"L. Belt speed 1,570 sfm.

Belt table size 6"L x 10"W x 42-1/2"H w/tilt 45° down, 15° up.

Disc size 12" dia. Disc speed 2,000 rpm.

Disc table size 7"L x 16"W x 33-7/8"H w/tilt 45° down, 20° up.

Tool size (base) 15"L x 19-1/2"W x 53-7/8"H. Tool weight 215 lbs.

**Includes** 2 tilting tables, two 4" dust ports, aluminum oxide belt, aluminum oxide disc, enclosed stand & manual.

**Please specify voltage. 110V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420625</b>	15-015M1	110/220	1	1	Push-button	<b>\$1,384.00</b>



**“ Do you have a specific purchasing process? ”**

Sarah Cruz ext. 3120  
[scruz@midwesttechnology.com](mailto:scruz@midwesttechnology.com)



### 6" Belt / 12" Disc Sanders Model 31A

**POWERMATIC** Full cast iron construction for metal and woodworking. Integral dual dust port keeps belt and disc clean and extends tool life. Articulating table mounted on 6" x 48" belt sander head has 3 positive stops, plus head lock to use at any angle.

- Multi-position head w/no tool changes
- Table belt head tilts 0° to 45° downward w/miter gauge slot & adjusts for various angles
- Fast tensioning & quick tracking knobs for quick abrasive changing & tracking
- Removable top guard for contour sanding
- Full cast iron platen w/solid crowned aluminum drums ensures steady belt tracking w/no heat build-up
- 12" balanced disc w/tilt table 15° to -45° w/miter slot for accurate pattern work & versatility

Belt size 6"W x 48"L. Belt speed 2,410 sfm. Disc size 12" dia.

Disc speed 2,375 rpm.

Table size 7-1/2"L x 13"W x 36"H w/tilt 45° down (belt), 6-1/2"L x 14-1/2"W x 34"H w/tilt 45° down, 15° up (disc).

Sanding arm locking positions 0°, 45° & 90°.

Tool size 31-1/4"L x 24"W x 54-1/2"H. Tool weight 247 lbs.

**Includes** 2 tilting tables, 4" dust collector, 80 grit aluminum oxide belt, 80 grit aluminum oxide disc, controls & stand.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656656</b>	1791291K	115/230	1-1/2	1	Push-button	<b>\$1,680.00</b>
<b>656657</b>	1791292K	230/460	2	3	Push-button	<b>\$1,680.00</b>



### Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>



### Tool Table & Universal Stand

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top.

Top 14" x 40" x 1-1/4" T. Table 33"H.

Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>



### Belt & Disc Cleaner

**Woodstock** Pro-Stik® cleans all belts and discs for longer life. Improves finish quality. Quick, easy to use. For belt & disc sanders.

Stk.	Mfr.	Size	Price
<b>786800</b>	W1305	1-3/8" x 1-3/8" x 8-1/2"	<b>\$9.32</b>
<b>786802</b>	W1307	2" x 2" x 12"	<b>\$18.00</b>

## Sanding Belts & Discs

### Quantity Savings!

**Ali Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>943285</b>	3210	1"W x 30"L	120	3	<b>\$6.24</b>	
<b>943286</b>	3211	1"W x 30"L	80	3	<b>\$6.24</b>	
<b>943287</b>	3212	1"W x 30"L	50	3	<b>\$6.24</b>	

**Norton Close Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>603438</b>	20865	1"W x 42"L	320	1	<b>\$2.51</b>	
<b>603437</b>	20870	1"W x 42"L	240	1	<b>\$2.51</b>	
<b>603436</b>	20871	1"W x 42"L	220	1	<b>\$2.45</b>	
<b>603435</b>	20875	1"W x 42"L	180	1	<b>\$2.84</b>	
<b>603434</b>	20880	1"W x 42"L	150	1	<b>\$2.45</b>	
<b>603433</b>	20885	1"W x 42"L	120	1	<b>\$2.84</b>	
<b>603432</b>	20890	1"W x 42"L	100	1	<b>\$2.84</b>	
<b>603431</b>	20895	1"W x 42"L	80	1	<b>\$2.95</b>	
<b>603430</b>	20900	1"W x 42"L	60	1	<b>\$3.06</b>	
<b>603429</b>	20905	1"W x 42"L	50	1	<b>\$3.12</b>	
<b>603428</b>	20910	1"W x 42"L	40	1	<b>\$3.43</b>	

**Surf-Pro Close Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>682873</b>	SP10B02042120A	2"W x 42"L	120	1	<b>\$5.72</b>	
<b>682872</b>	SP10B02042080A	2"W x 42"L	80	1	<b>\$5.98</b>	
<b>682871</b>	SP10B02042060A	2"W x 42"L	60	1	<b>\$6.32</b>	
<b>682870</b>	SP10B02042040A	2"W x 42"L	40	1	<b>\$7.23</b>	

**Norton Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>604520</b>	27957	4"W x 36"L	120	1	<b>\$7.11</b>	
<b>604521</b>	27959	4"W x 36"L	80	1	<b>\$7.25</b>	
<b>604522</b>	27961	4"W x 36"L	50	1	<b>\$7.68</b>	
<b>604523</b>	27958	4"W x 36"L	100	1	<b>\$7.11</b>	
<b>604524</b>	27960	4"W x 36"L	60	1	<b>\$7.66</b>	
<b>604525</b>	27962	4"W x 36"L	40	1	<b>\$8.26</b>	
<b>606305</b>	27981	6"W x 48"L	120	1	<b>\$10.40</b>	<b>\$9.36</b>
<b>606314</b>	27982	6"W x 48"L	100	1	<b>\$10.40</b>	<b>\$9.36</b>
<b>606371</b>	27983	6"W x 48"L	80	1	<b>\$10.80</b>	<b>\$9.72</b>
<b>606380</b>	27984	6"W x 48"L	60	1	<b>\$11.20</b>	<b>\$10.10</b>
<b>606385</b>	27985	6"W x 48"L	50	1	<b>\$11.70</b>	<b>\$10.50</b>
<b>606437</b>	27986	6"W x 48"L	40	1	<b>\$12.20</b>	<b>\$11.00</b>
<b>606438</b>	27987	6"W x 48"L	36	1	<b>\$12.80</b>	<b>\$11.50</b>

**Kalamazoo Open Coat Belts** Aluminum oxide abrasive, resin-bonded on X weight paper.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>491152</b>	KB460100	4"W x 60"L	100	1	<b>\$21.50</b>	
<b>491151</b>	KB46080	4"W x 60"L	80	1	<b>\$21.50</b>	
<b>491150</b>	KB46050	4"W x 60"L	50	1	<b>\$21.50</b>	

**Close Coat Discs** Adhesive-backed aluminum oxide cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price	10 or more
<b>600485</b>	01994	5" dia.	120	2	<b>\$6.90</b>	
<b>600486</b>	01996	5" dia.	80	2	<b>\$6.90</b>	
<b>600483</b>	01987	6" dia.	120	2	<b>\$8.04</b>	
<b>600488</b>	01989	6" dia.	80	2	<b>\$8.04</b>	
<b>607250</b>	36355	8" dia.	120	1	<b>\$3.89</b>	
<b>607254</b>	36354	8" dia.	80	1	<b>\$4.14</b>	
<b>607256</b>	36576	8" dia.	60	1	<b>\$4.31</b>	
<b>607258</b>	36351	8" dia.	40	1	<b>\$4.85</b>	
<b>600480</b>	01973	9" dia.	120	2	<b>\$10.20</b>	
<b>600481</b>	01975	9" dia.	80	2	<b>\$10.20</b>	
<b>606650</b>	36613	12" dia.	120	1	<b>\$6.87</b>	
<b>606652</b>	36614	12" dia.	100	1	<b>\$6.87</b>	
<b>606654</b>	36615	12" dia.	80	1	<b>\$7.25</b>	
<b>606655</b>	36620	12" dia.	60	1	<b>\$7.75</b>	
<b>606658</b>	36630	12" dia.	40	1	<b>\$8.68</b>	



### Feathering Disc Adhesive

**3M** Allows multiple disc applications w/out buildup or paper delamination. Discs remove easily & cleanly.

Stk.	Mfr.	Size	Price
<b>590401</b>	08051	5 oz.	<b>\$24.90</b>



### Spray Adhesive

**Elmer's** Aerosol spray adhesive for general use when a strong, permanent bond is desired. Stronger tack, quick dry, dries clear, resists bleed through, will not swell or warp, water resistant, acid free. Conforms to ASTM D 4236. ACM Certified.

Stk.	Mfr.	Bond	Qty.	Price
<b>257620</b>	E451	Standard	11 oz.	<b>\$7.78</b>
<b>257623</b>	E456	Extra Strength	10 oz.	<b>\$10.20</b>



### High-Strength Spray Adhesive

**Krylon** Permanent, high-strength adhesive w/extended open tack time (30 min. dry to touch, 3 hrs. dry to handle). Dries clear w/out bleed through, will not swell, wrinkle or warp, acid free & archival-safe. Use for wood, metal, wicker, plastic, glass, craft foam, plaster, ceramic, fabric, paper & paper mache.

Stk.	Mfr.	Qty.	Price
<b>943196</b>	7010	11 oz.	<b>\$8.26</b>



### Super 77™ Multipurpose Adhesive Aerosol

**3M** High-tack, high-coverage and fast-drying adhesive with lower VOC formula. Bonds many foils, plastics, paper foams, paper, cardboard and metals to painted or unpainted metals, wood and hardboard. Fast, aggressive tack with strength to 10 psi. 220 sq./ft. per can. Heat resistant to 110°F. FDA acceptable (21 CFR 175.10).

Stk.	Mfr.	Size	Price
<b>590400</b>	77	16.5 oz.	<b>\$22.10</b>

## OSCILLATING SPINDLE SANDERS



### Oscillating Spindle Sander Model JBOS-5

**JET** 1/2 HP TEFC motor accommodates even the heaviest sanding projects. Sander features a large, cast iron workspace tilting table (0-45°) 1" spindle oscillation provides a scratch-free finish and prolongs sleeve life.

- 4 non-skid rubber feet prevent moving while in use
- Built-in dust port to collect dust before it becomes airborne
- Removable safety switch

Spindle speed 1,725 rpm. Oscillations 30/min., 1"L.  
Table size 14-1/2"L x 14-1/2"W x 18-1/2"H. Table tilt 45° up & down.  
Tool size 14-1/2"L x 14-1/2"W x 24-1/2"H. Tool weight 77 lbs.

**Includes** 1/4", 1/2" & 5/8" spindles, 1-1/2" & 2" complete spindles, 2 round table inserts & 2 oblong table inserts.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485874</b>	JBOS-5	110	1/2	1	Manual	<b>\$598.00</b>



### Benchtop Oscillating Spindle Sander

**General Intl.** Features a rotating and oscillating effect to ensure exceptional finishing results. Precision-ground, cast iron table tilts for sanding beveled parts.

- 5 interchangeable, 100 grit spindles 1/4" to 2" dia., 2 w/rubber drums
- 4 table inserts fit different spindle sizes
- Compact design for mobility & easy storage

• On-board, side-mounted spindle storage

• 2" dust port w/2" to 4" adapter

• CSA Approved

Spindle speed 1,720 rpm. Oscillations 29/min., 15/16"L.

Steel drums (dia. x L): 1/4" x 6", 1/2" x 6", 5/8" x 6", 1-1/2" x 5-1/2", 2" x 5-1/2".

Rubber drums (dia. x 5-1/2"L): 1-1/2" & 2". T

able size 14-1/2"L x 14-1/2"W x 18-5/16"H. Table tilt 45° up/down.

Tool size 14-1/2"L x 14-1/2"W x 26"H. Tool weight 81 lbs.

**Includes** 5 spindles (1/4" to 2"), 2 rubber drums (1-1/2", 2"), 4 table inserts, dust port adapter, wrenches, enclosed steel-base stand & manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420635</b>	15-220MI	110	1/2	1	Manual	<b>\$714.00</b>



### Bench Oscillating Spindle Sander

**DELTA** Heavy-duty 1/4 HP motor with direct drive operation delivers quiet, smooth operation. Sanding Spindle Set included with 1", 1-1/2", 2" and 3" rubber spindles, drum plates, abrasive sleeves and table inserts.

- Pre-drilled base holes for mounting sander to stand or workbench
- Removable on/off switch prevents unauthorized use
- 2 built-in compartments for storing drums & sleeves
- Built-in dust collection system
- Replaceable oil-impregnated bearings

Spindle speed 1,725 rpm. Oscillations 60/min., 7/8"L. Spindle 1/2" dia.

Drum capacity 3/4" to 3". Table size 18" dia. Tool size 18"L x 18"W x 15"H.

Tool weight 45 lbs.

**Includes** Sanding Spindle Set, cast iron table, table insert, 3/4" sanding drum, 3/4" sanding sleeve, 1/2" spindle, dust bag, 3/16" Allen wrench & 1/2" socket wrench.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>728049</b>	SA350K	120	1/4	1	Manual	<b>\$364.00</b>



### Oscillating Spindle Sander

**Rockwell** Small, 1/2 HP sander with a durable die-cast iron table top and interchangeable sanding drums and sleeves.

- 21 sanding accessories allow use of different diameter spindles
- Rubber foot pads reduce vibration

• On-board drum & spindle insert storage

Spindle speed 2,000 rpm. Oscillations 58/min., 5/8"L. Spindle 1/2" dia.

Drum capacity 1/2" to 3". Table size 14-1/2" x 11-3/8" dia.

Tool size 20.70"L x 16.10"W x 18.10"H. Tool weight 34 lbs.

**Includes** dust port, 4 spindles inserts (1/2" to 3"), 6 sanding sleeves, 5 rubber drums (3/4" to 3"), 6 table inserts, wrench.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>693880</b>	RK9011	120	1/2	1	Manual	<b>\$218.00</b>



### Floor Model Oscillating Spindle Sander

**General Intl.** 1 HP motor with rugged, oil-bath gearbox for increased durability. Precision-ground, cast iron tilting table. Heavy-duty base with on-board tool storage. Sanders combine the rotation of a drum sander w/up & down oscillation.

- Precision ball bearing spindle for solid, smooth performance
- 10 removable spindles 1/4" to 4" dia. (1" to 4" size w/ rubber drums)

- Oil level sight gauge allows instant level check during operation
- 3 interchangeable table inserts
- 4" dust port
- CSA Approved

Spindle speed 1,725 rpm. Oscillations 75/min., 1-1/2"L.

Steel drums (dia.): 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2", 3" & 4".

Rubber drums (dia. x 9"L): 1", 1-1/2", 2", 3" & 4".

Table size 24-1/4"L x 24-1/4"W x 39"H. Table tilt 45° up/down.

Tool size 24-1/4"L x 24-1/4"W x 43"H. Tool weight 319 lbs.

**Includes** 10 removable spindles (1/4" to 4" dia.), 5 rubber drums (1" to 4" dia.), 3 table inserts, wrenches, enclosed steel stand & manual.

**Please specify voltage. 110 will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420628</b>	I5-020MI	110/220	1	1	Manual	<b>\$1,995.00</b>



### Oscillating Spindle Sander Model JOSS-JET

- Baffles create a chamber under table for improved dust collection
- 4 dust ports connect to dust collection system
- Integrated storage provides designated slots for spindles & table inserts
- Sealed access door minimizes dust in storage area
- 1-1/2" oscillating action reduces friction heat to protect wood & prolong sleeve life

- Main spindle support runs on precision ball bearings, oscillated by a heavy-duty worm & gear mechanism
- Spindles have threaded ends for quick, easy changes
- Worm & gear mechanism runs in oil bath to prolong life & durability
- Mfr.'s 5-yr. warranty

Spindle speed 1,720 rpm. Oscillations 75/min., 1-1/2".

Table size 24-1/2"W x 24-1/2"L x 39-3/16"H. Table Tilt 15° & 45°.

Tool size 24-1/2"W x 24-1/2"L x 44-3/16"H. Tool weight 216 lbs.

**Includes** 10 spindle assemblies (1/4" - 4"), 6 table inserts, spindle hex nut, wrench & hex wrench.

**Prewired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>486037</b>	JOSS-S	115/230	1	1	Manual	<b>\$1,827.00</b>

### Sanding Drums

**Clesco** Locks sanding sleeve securely in place. Tighten the nut/screw to expand the rubber cylinder for a strong hold. Great for straight or contour sanding of wood, metals & plastics. Use on electric drill, flexible shaft & drill press.

Stk.	Mfr.	Drum Dia.	Drum Width	Shank	Price
<b>305380</b>	D-832-2	1/2"	2"	1/4"	<b>\$3.62</b>
<b>305384</b>	D-1232-2	3/4"	2"	1/4"	<b>\$3.98</b>
<b>305388</b>	D-1632-2	1"	2"	1/4"	<b>\$4.29</b>
<b>305392</b>	D-2432-2	1-1/2"	2"	1/4"	<b>\$4.44</b>
<b>305394</b>	D-3224-2	2"	1-1/2"	1/4"	<b>\$5.17</b>
<b>305396</b>	D-4848-4	3"	3"	1/2"	<b>\$20.20</b>

### Sanding Drum Kits

**Clesco** For sanding, polishing and finishing, plus grinding curves, corners, flat surfaces or irregular shapes. Drums have 1/4" shank dia. drums (except 1/2" x 1/2" with 1/8" dia.) that permits drum to be used on most rotary tools (i.e. Dremel & Foreman) with smaller chuck capacities or 1/8" collets. Spiral bound, cloth backed, aluminum oxide abrasive sheets dissipate heat quickly, reduce burning on wood and can handle heavy loads.

**15-Piece Includes** 5 regular drums (1/2" x 1/2", 3/4" x 1", 1" x 1", 1-1/2" x 1-1/2", 2" x 1-1/2"), 10 sleeves (1 fine 120 grit & 1 coarse 50 grit for ea. drum size) & box.

Stk.	Mfr.	Price
<b>305400</b>	SDK-1	<b>\$19.70</b>

**28-Piece Includes** 4 extra long drums (1/2" x 2", 3/4" x 2", 1" x 2" & 1-1/2" x 2") & 24 sleeves (6 medium 80 grit for ea. drum size).

Stk.	Mfr.	Price
<b>305401</b>	SDK-28	<b>\$21.10</b>

### Sanding Sleeves

**Clesco** Aluminum oxide on X weight paper, resin-bonded with cloth backing.

Stk.	Mfr.	Drum Dia.	Drum Width	Grit	Qty.	Price
<b>305112</b>	696-50X	3/8"	6"	50	1	<b>\$2.44</b>
<b>305113</b>	696-80X	3/8"	6"	80	1	<b>\$2.44</b>
<b>305114</b>	696-120X	3/8"	6"	120	1	<b>\$2.44</b>
<b>305096</b>	488-50X	1/4"	5-1/2"	50	1	<b>\$2.24</b>
<b>305097</b>	488-80X	1/4"	5-1/2"	80	1	<b>\$2.24</b>
<b>305098</b>	488-120X	1/4"	5-1/2"	120	1	<b>\$2.24</b>
<b>305120</b>	832-50X	1/2"	2"	50	1	<b>\$0.70</b>
<b>305121</b>	832-80X	1/2"	2"	80	1	<b>\$0.68</b>
<b>305122</b>	832-120X	1/2"	2"	120	1	<b>\$0.68</b>
<b>305129</b>	872-50X	1/2"	4-1/2"	50	1	<b>\$1.88</b>
<b>305130</b>	872-80X	1/2"	4-1/2"	80	1	<b>\$1.80</b>
<b>305131</b>	872-120X	1/2"	4-1/2"	120	1	<b>\$1.80</b>
<b>305137</b>	888-50X	1/2"	5-1/2"	50	1	<b>\$2.44</b>
<b>305138</b>	888-80X	1/2"	5-1/2"	80	1	<b>\$2.44</b>
<b>305139</b>	888-120X	1/2"	5-1/2"	120	1	<b>\$2.44</b>
<b>305146</b>	896-50X	1/2"	6"	50	1	<b>\$2.44</b>
<b>305147</b>	896-80X	1/2"	6"	80	1	<b>\$2.44</b>
<b>305148</b>	896-120X	1/2"	6"	120	1	<b>\$2.44</b>
<b>305164</b>	1088-50X	5/8"	5-1/2"	50	1	<b>\$2.61</b>
<b>305165</b>	1088-80X	5/8"	5-1/2"	80	1	<b>\$2.44</b>
<b>305166</b>	1088-120X	5/8"	5-1/2"	120	1	<b>\$2.61</b>
<b>305157</b>	1096-50X	5/8"	6"	50	1	<b>\$2.61</b>
<b>305158</b>	1096-80X	5/8"	6"	80	1	<b>\$2.61</b>
<b>305159</b>	1096-120X	5/8"	6"	120	1	<b>\$2.61</b>
<b>305170</b>	1232-50X	3/4"	2"	50	1	<b>\$0.70</b>
<b>305171</b>	1232-80X	3/4"	2"	80	1	<b>\$0.68</b>
<b>305172</b>	1232-120X	3/4"	2"	120	1	<b>\$0.68</b>
<b>305179</b>	1272-50X	3/4"	4-1/2"	50	1	<b>\$1.88</b>
<b>305180</b>	1272-80X	3/4"	4-1/2"	80	1	<b>\$1.88</b>
<b>305181</b>	1272-120X	3/4"	4-1/2"	120	1	<b>\$1.88</b>
<b>305312</b>	12144-50X	3/4"	9"	50	1	<b>\$4.32</b>
<b>305309</b>	12144-80X	3/4"	9"	80	1	<b>\$4.32</b>
<b>305308</b>	12144-120A	3/4"	9"	120	1	<b>\$4.32</b>
<b>305200</b>	1632-50X	1"	2"	50	1	<b>\$0.87</b>
<b>305201</b>	1632-80X	1"	2"	80	1	<b>\$0.87</b>
<b>305202</b>	1632-120X	1"	2"	120	1	<b>\$0.87</b>
<b>305209</b>	1672-50X	1"	4-1/2"	50	1	<b>\$1.88</b>
<b>305210</b>	1672-80X	1"	4-1/2"	80	1	<b>\$1.88</b>
<b>305211</b>	1672-120X	1"	4-1/2"	120	1	<b>\$1.88</b>
<b>305315</b>	16144-50X	1"	9"	50	1	<b>\$5.52</b>
<b>305316</b>	16144-80X	1"	9"	80	1	<b>\$5.52</b>
<b>305317</b>	16144-120X	1"	9"	120	1	<b>\$6.25</b>
<b>305230</b>	2432-50X	1-1/2"	2"	50	1	<b>\$0.87</b>
<b>305231</b>	2432-80X	1-1/2"	2"	80	1	<b>\$0.82</b>
<b>305232</b>	2432-120X	1-1/2"	2"	120	1	<b>\$0.76</b>
<b>305239</b>	2472-50X	1-1/2"	4-1/2"	50	1	<b>\$2.44</b>

**Sanding Sleeves****Clesco** Aluminum oxide on X weight paper, resin-bonded with cloth backing.

Stk	Mfr	Drum Dia.	Drum Width	Grit	Qty	Price
<b>305240</b>	2472-80X	1-1/2"	4-1/2"	80	1	<b>\$2.44</b>
<b>305241</b>	2472-120X	1-1/2"	4-1/2"	120	1	<b>\$2.44</b>
<b>305274</b>	2488-50X	1-1/2"	5-1/2"	50	1	<b>\$3.08</b>
<b>305275</b>	2488-80X	1-1/2"	5-1/2"	80	1	<b>\$3.28</b>
<b>305276</b>	2488-120X	1-1/2"	5-1/2"	120	1	<b>\$3.08</b>
<b>305322</b>	24144-50X	1-1/2"	9"	50	1	<b>\$5.02</b>
<b>305323</b>	24144-80X	1-1/2"	9"	80	1	<b>\$5.18</b>
<b>305324</b>	24144-120X	1-1/2"	9"	120	1	<b>\$5.60</b>
<b>305254</b>	2832-50X	1-3/4"	2"	50	1	<b>\$1.45</b>
<b>305256</b>	2832-120X	1-3/4"	2"	120	1	<b>\$1.73</b>
<b>305260</b>	3224-50X	2"	1-1/2"	50	1	<b>\$0.87</b>
<b>305261</b>	3224-80X	2"	1-1/2"	80	1	<b>\$0.87</b>
<b>305262</b>	3224-120X	2"	1-1/2"	120	1	<b>\$0.87</b>
<b>305269</b>	3272-50X	2"	4-1/2"	50	1	<b>\$2.75</b>
<b>305270</b>	3272-80X	2"	4-1/2"	80	1	<b>\$2.75</b>
<b>305271</b>	3272-120X	2"	4-1/2"	120	1	<b>\$2.94</b>
<b>305277</b>	3288-50X	2"	5-1/2"	50	1	<b>\$3.98</b>
<b>305278</b>	3288-80X	2"	5-1/2"	80	1	<b>\$3.98</b>
<b>305279</b>	3288-120X	2"	5-1/2"	120	1	<b>\$3.98</b>
<b>305332</b>	32144-50X	2"	9"	50	1	<b>\$5.72</b>
<b>305333</b>	32144-80X	2"	9"	80	1	<b>\$5.72</b>
<b>305334</b>	32144-120X	2"	9"	120	1	<b>\$5.72</b>
<b>305233</b>	4848-50X	3"	3"	50	1	<b>\$2.24</b>
<b>305234</b>	4848-80X	3"	3"	80	1	<b>\$2.24</b>
<b>305235</b>	4848-120X	3"	3"	120	1	<b>\$2.08</b>
<b>305289</b>	4872-50X	3"	4-1/2"	50	1	<b>\$3.98</b>
<b>305290</b>	4872-80X	3"	4-1/2"	80	1	<b>\$3.81</b>
<b>305291</b>	4872-120X	3"	4-1/2"	120	1	<b>\$3.98</b>
<b>305296</b>	4888-50X	3"	5-1/2"	50	1	<b>\$5.02</b>
<b>305297</b>	4888-80X	3"	5-1/2"	80	1	<b>\$5.18</b>
<b>305298</b>	4888-120X	3"	5-1/2"	120	1	<b>\$5.02</b>
<b>305342</b>	48144-50X	3"	9"	50	1	<b>\$7.59</b>
<b>305343</b>	48144-80X	3"	9"	80	1	<b>\$7.06</b>
<b>305344</b>	48144-120X	3"	9"	120	1	<b>\$7.06</b>

**4" x 9" Sanding Sleeves****Woodstock** Aluminum oxide hard sanding sleeves.

Stk.	Mfr.	Drum Dia.	Drum Width	Grit	Qty.	Price
<b>785603</b>	D1505	4"	9"	60	1	<b>\$13.50</b>
<b>785604</b>	D1506	4"	9"	80	1	<b>\$13.50</b>
<b>785605</b>	D1508	4"	9"	120	1	<b>\$13.50</b>

**Universal Tool Table**

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>

Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904

**DRUM SANDERS****JET Drum Sanders**

- TEFC direct drive motor - continuous duty w/overload protection for heavier use over longer periods of time (43 in./lb. of torque)
- SandSmart™ infinitely variable-feed control produces finish at 0-12' per min.
- Sand veneers as thin as 1/16" w/out press-back applications or special jigs
- Conveyor bed - precision-flattened, reinforced steel, no-give power feed belt
- Conveyor belt Trackers™ - dramatically reduces manual belt adjustments
- Abrasive take-up fasteners - for quick, easy abrasive changes
- Tension rollers - zinc-plated steel in/outfeed rollers mount next to drum for sanding small or thin stock automatically without a press-back application or special jigs, plus are adjustable for height & downward pressure
- Handwheel makes radical height changes quickly, plus minute changes for extremely precise sanding thickness control
- 1 feed/1 drive motor - provides superior sanding control
- On/Off switch - w/overload protection is front-mounted
- Ball bearings - 1" sealed, permanently lubricated
- Drum - w/adj. height & downward pressure eliminates snipe, made of self-cooling, precision-machined & balanced extruded aluminum
- 4" dia. dust port - for shop vacuum or high cfm dust collector
- 5-yr. mfr.'s warranty

**Light assembly required.****Mini 10-20 Plus**

**JET** 1 HP, 20" sander has all of the quality of larger Jet models, but is perfect for shops with space limitations, or to meet a budget.

Drum 5" x 10".  
Sanding capacities: 20"W (2 passes) x 3"T,  
2-1/4"L x 1/32"T.

Feed rate 0-12 fpm. Height adj. 1/16" per turn.  
Tool size 27"L x 20"W x 20"H. Weight 85 lbs.

**Includes** conveyor belt, abrasive strip & easy-read depth gauge.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>618508</b>	628900	115	1	1	1,700	<b>\$965.00</b>

**Stand w/Shelf**

<b>618502</b>	638004					<b>\$282.00</b>
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**16-32 Plus**

**JET** 1.5 HP, 16" sander's precision-machined drum operates at 1,720 rpm.

Drum 5" x 16".  
Sanding capacities: 16"W (1 pass), 32"W (2 passes) x  
3" thickness, 2-1/4"L x 1/32" thickness.  
Feed rate 0-10 fpm. Height adj. 1/16" per turn.  
Tool size 32"L x 23"W x 18"H. Weight 164 lbs.

**Includes** conveyor belt, abrasive strip, depth gauge & metal stand w/shelf.**Shown w/table & casters, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>618510</b>	629004K	115	1.5	1	1,720	<b>\$1,321.00</b>

**10" Infeed/Outfeed Table**

Stk.	Mfr.	Price
<b>618560</b>	98-1601	<b>\$225.00</b>

**Swivel & Locking Caster Set** 4/pkg.

Stk.	Mfr.	Price
<b>618555</b>	98-0130	<b>\$152.00</b>





### 22-44 Pro-3

**J E T** 3 HP, 22"W sander with digital readout (DRO) displays exact thickness of the finished piece, or allows the user to preset the exact thickness desired.

- Suspended drum is supported on both ends w/a truss-like carriage arm for greater strength & easy table surface alignment

- Infeed & outfeed tables provide extra workpiece support

Drum 5" x 22". Sanding capacities: 44"W x 4"T, 2-1/4"L x 1/32"T.

Feed rate 0-10 fpm. Height adj. 3/32" per turn.

Tool size 41"L x 41"W x 52"H. Weight 385 lbs.

**Includes** conveyor belt, abrasive strip, locking depth gauge, infeed/outfeed table, 4 locking swivel casters & metal stand.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>618517</b>	649600	230	3	1	1,600	<b>\$3,008.00</b>



### 22-44 Oscillating Drum Sander

**J E T** Continuous-duty 1-3/4 HP, 22"W sander with the push of a button can be operated as a simple or oscillating sander. As a linear sander, the drum rotates as the conveyor feeds the workpiece through.

When in the oscillating mode, in addition to the linear sanding operation, the sanding drum head oscillates from left to right and lowers heat build-up on the sanding belt to reduce loading and burning.

Drum 5" x 22". Sanding capacities: 44"W x 4"T, 2-1/4"L x 1/32"T.

Feed rate 0-10 fpm. Height adj. 3/32" per turn.

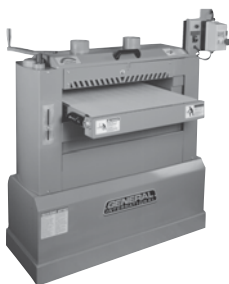
Tool size 46.6"L x 23.5"W x 52.5"H. Weight 336 lbs.

**Includes** Trackers™, conveyor belt, abrasive strip, locking depth gauge & metal stand.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>618518</b>	659006K	115	1.75	1	1,700	<b>\$2,777.00</b>

### Swivel & Locking Caster Set 4/pkg.

Stk.	Mfr.	Price
<b>618555</b>	98-0130	<b>\$152.00</b>



### 24" Dual Drum Sander

**General Intl.** 3 HP sander with 2 dynamically-balanced 5" aluminum drums provides smooth operation. Features dual V-belt sanding drums, steel frame and heavy-duty base for greater stability.

- Screws adjust parallelism between sanding drums & conveyor table
- Graduated depth scale (*inches & metric*) indicates sanding thickness

- High-quality conveyor belt for long life
- 1/6 HP conveyor belt motor w/safety switch & removable key
- Large handwheel adjusts conveyor table height
- Magnetic safety switch
- Two 4" dust ports
- CSA Approved

Sanding capacities: 24"W x 5"T, 5"L x 1/4"T. Feed rate 3-20 fpm. Height adj. 1/16" per turn. Tool size 42-1/2"L x 16-1/2"W x 51"H. Weight 570 lbs.

**Includes** 80-grit abrasive strip, 100-grit abrasive conveyor belt, enclosed stand, 2 dust ports & manual.

Stk.	Mfr.	Volts	HP	Phase	RPM	Drum	Price
<b>420640</b>	15-250M1	220	3	1	1,550	5" x 24"	<b>\$3,150.00</b>



### ShopPro 25 Drum Sander

**SuperMax** SandSmart control automatically adjusts conveyor speed based on load. Prevents gouging, damaging or burning stock. Provides consistent finish even w/varying grain pattern and density. Greatly increases abrasive planing and dimensioning speed.

- Precision-flattened steel conveyor bed reinforced w/4 steel cross sections for no "flex" in conveyor, guaranteeing flatness to less than .010" across width of sander
- Abrasive conveyor belt grips raw wood to accommodate stock that is much shorter or thinner
- Abrasive Attachment System effectively tensions the abrasive wraps, preventing loose abrasive & overlap
- Self-cooling drum prevents overheating & extends abrasive life
- Tension rollers are adjustable in height & hold down pressure
- Cast stand, zinc-plate steel bed, centerless ground column tubes

Sanding capacities: 25"W x 4"T, 2-1/4"L x 1/32"T. Feed rate 0-10 fpm.

Height adj. 3/32" per turn. Tool size 31"L x 46"W x 43"H.

Weight 325 lbs. (*shipping*).

**Includes** 80 grit abrasive strip.

Stk.	Mfr.	Volts	HP	Phase	RPM	Drum	Price
<b>618506</b>	925002	120	1-3/4	1	1,740	5" x 25"	<b>\$2,099.00</b>

### 25"W Infeed/Outfeed Table

Stk.	Mfr.	Price
<b>618565</b>	98-2201	<b>\$169.00</b>

### Swivel & Locking Caster Set 4/pkg.

Stk.	Mfr.	Price
<b>618555</b>	98-0130	<b>\$152.00</b>



### 38" Drum Sander

**SuperMax** Perfect for the small shop or woodworking enthusiast, the SuperMax 19-38 Drum Sander reduces the tedium of hand sanding, speeds up the sanding process and produces more consistent results. Sander offers 19"W sanding in a single pass and 38" in a double pass.

- Simple alignment feature makes aligning conveyor to sanding head fast & easy
- Drum carriage is bolted to base, preventing movement or alignment issues
- Thrust bearing below handle & nut positioned above prevents drum from moving out of set position while sanding
- INTELLISAND™ technology automatically adjusts conveyor speed based on load, provides consistent finish, increases abrasive planing & dimensioning speed
- Precision steel conveyor bed guarantees flatness to less than .010" across width of sander
- Abrasive attachment system tensions abrasive wraps, preventing loose abrasive & overlap
- Self-cooling drum prevents overheating & extends abrasive life
- Tension rollers are adjustable in height & hold down pressure, eliminating snipe
- Mfr.'s 2-yr. warranty

Sanding capacities 38"W (2 passes) x 4"T, 2-1/4"L x 1/32"T.

Feed rate 0-10 fpm. Tool size 42"L x 26"W x 24"H. Weight 286 lbs.

**Includes** stand, casters & pre-wrapped 80-grit sandpaper.

**Shown with Infeed/Outfeed tables & accessories, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	RPM	Drum	Price
<b>618480</b>	71938-D	110	1-3/4	1	1,740	5" x 19"	<b>\$1,679.00</b>



### Dual Drum Sanders

**POWERMATIC** 5 HP, 25" sander features a 2-speed forward/reverse gearbox. Heavy-duty poly conveyor belt for a positive grip.

- Full cast iron table w/4 solid jackscrews & chain drive timing
- Dual steel drums w/hard durometer rubber coating for flat, mar-free finish
- Independently adjustable rear drum for easy fine tuning

- Dual 4" dust collection w/directional baffles
- Heavy steel base provides vibration-free sanding w/storage space

Sanding capacities: 25"W x 5-1/4"T, 9"L x 1/32"T. Feed rate 8-12 fpm. Height adj. 1/16" per turn.

Tool size 43"L x 44"W x 43"H. Weight 730 lbs. (1791290).

Tool size 64"L x 45"W x 45"H. Weight 962 lbs. (1791320).

**Includes** 2-speed gearbox, enclosed stand, dust ports & tool kits.

Stk.	Mfr.	Volts	HP	Phase	RPM	Drum	Price
<b>656655</b>	1791290	230	5	1	1,700	6" x 25"	<b>\$4,859.00</b>
<b>656671</b>	1791320	230	7.5	1	1,700	6" x 37"	<b>\$7,130.00</b>



### 17" x 54" Open End Drum Sanders

**POWERMATIC** Open end sander features front-mounted controls and load meters that maintains a constant check during operation. Metal-tipped safety limiters inside the machine stop the sander should a belt break.

- Combination head promotes consistent finish
- Pneumatic conveyor belt tracking keeps belt centered
- Side access door for easy belt changes

Sanding capacities: 13.75"L x 5"T. Feed rate 2,200 sfm.

Tool size 40"L x 29"W x 66"H. 996 lbs.

**Includes** emergency rail stop, emergency stop button, sanding belt, enclosed stand & 4" dust port.

Stk.	Mfr.	Volts	HP	Phase	Drum	Price
<b>656612</b>	1791250	230	5	1	17" x 54"	<b>\$6,721.00</b>
<b>656613</b>	1791251	230/460	7.5	3	17" x 54"	<b>\$6,721.00</b>

656613|Please specify voltage. 230V will be shipped if not specified.

### Wide Belt & Drum Cleaner

**Woodstock** Pro-Stik® abrasive rubber pad cleaner offers easy solution for unloading abrasives on belts & drums.

Stk.	Mfr.	Size	Price
<b>786900</b>	D3003	15" x 20" x 1-1/8"	<b>\$107.00</b>

### General Intl. Sanding Belts

**General Intl.** For General Intl. Drum Sander Models 15-150 & 15-250.

4"W x 108-3/4"L. 1/pkg.

Stk.	Mfr.	Grit	Price
<b>420642</b>	15-252	60	<b>\$35.10</b>
<b>420643</b>	15-253	80	<b>\$35.10</b>
<b>420644</b>	15-254	100	<b>\$35.10</b>
<b>420645</b>	15-255	120	<b>\$35.10</b>
<b>420646</b>	15-256	150	<b>\$35.10</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

### Premium Ready-to-cut Bulk Abrasives

**J E T** Upright dispenser box for easy reel-out of abrasive. Rolls include color-coded cut-line markings for each drum size. Yield is measured in wraps w/each wrap being the exact length of abrasive material needed to cover drum 1 time.

Number of wraps per bulk box for sander model:

- **JET 16-32 & 16-32 Plus:**  
19 wraps/box for 50 to 220 grit & 14 wraps/box for 36 grit
- **JET 22-44, 22-44 Pro, ProMax, S/T:**  
14 wraps/box for 50 to 220 grit & 10 wraps/box for 36 grit
- **SuperMax 25, 25x2, ShopPro 25:**  
12 wraps per box for 50 to 220 grit & 9 wraps/box for 36 grit
- **SuperMax 37, 37x2:**  
8 wraps/box for 50 to 220 grit & 9 wraps per/for 36 grit
- **SuperMax 50x2:**  
6 wraps/box for 50 to 220 grit & 4 wraps/box for 36 grit

Stk.	Mfr.	Grit	Price
<b>618530</b>	60-9036	36	<b>\$229.00</b>
<b>618532</b>	60-9060	60	<b>\$229.00</b>
<b>618534</b>	60-9080	80	<b>\$229.00</b>
<b>618536</b>	60-9100	100	<b>\$229.00</b>
<b>618538</b>	60-9120	120	<b>\$229.00</b>
<b>618540</b>	60-9150	150	<b>\$229.00</b>
<b>618542</b>	60-9180	180	<b>\$229.00</b>
<b>618544</b>	60-9220	220	<b>\$229.00</b>

### EDGE SANDERS



#### 6" x 89" Edge Sander OES-80CS

**J E T** Oscillating feature reduces heat build-up on sanding belt to reduce loading and burning. Belt platen made from precision-ground steel plate.

- Sanding belt can be locked in at vertical, horizontal & any angle for optimum finishing
- Quick release lever & tracking control dial conveniently located for replacing & tracking belts

- Belt platen made from precision-ground steel plate for true sanding
- Cast iron table moves up/down for exact positioning
- Adjustable outer drum support table for contour sanding
- Tilting sanding head for bevels, angles & flat surfaces
- 5-yr. mfr.'s warranty

Belt size 6" x 89", speed 3,900 fpm. Oscillating distance 3/4".

Platen tilting 0° to 90°. Sanding drum 4-3/8" dia. x 6-1/4"L.

Table size 32" x 7". 9-7/8" x 11-7/8" auxiliary table. Table adjustment 5".

Tool size 46"L x 18"W x 38"H. Tool weight 270 lbs.

**Includes** miter gauge, removable fence, horizontal backstop, heavy-duty stand, 4" dust port, sanding belt & drum.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>485997</b>	OES-80CS	115/230	1-1/2	1	Magnetic	<b>\$1,200.00</b>

Please visit  
[midwesttechnology.com](http://midwesttechnology.com)  
 for the complete specifications  
 of the products listed on this page.



### 6" x 89" Edge Sander

**General Intl.** Sanding belt operates at any angle from horizontal to vertical. Accurate belt tension and tracking adjustment.

- Adjust cast iron table up & down for full belt use
- Use 3" dia. sanding drum w/auxiliary table for contour sanding
- Safety switch w/key
- Adjustable cast iron miter gauge

- Adjustable, removable front table fence
- Graphite backing reduces friction for longer belt life
- Easy, one lever abrasive belt tension adjustments
- Heavy-duty enclosed stand
- Single knob tracking control
- CSA Approved

Belt size 6" x 89", speed 3,900 fpm. Oscillating distance 1/4".

Platen tilting 0° to 90°. Sanding drum 3" dia. x 6-1/2"L.

Table size 29-5/8" x 9-7/8" front table, 11-7/8" x 9-7/8" auxiliary table.

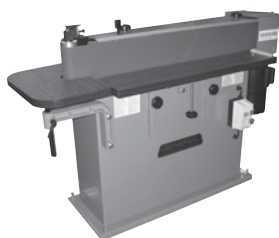
Table adjustment 5" up & down. Tool size 50"L x 21"W x 49"H.

Tool weight 277 lbs.

**Includes** 3" dia. sanding drum w/collar inserts, removable fence, safety switch w/key, miter gauge, enclosed stand, 4" dust port, Allen wrench, hardware & manual.

**Please specify voltage. 220V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420620</b>	15-005SM1	110/220	1-1/2	1	Magnetic	<b>\$1,574.00</b>



### 6" x 108" Edge Sander

**General Intl.** Dynamically-balanced 7" rubber drive roller and crowned 3" idler roller ensure solid belt tracking. Heavy steel base ensures a solid stable platform while sanding.

- Adjust MDF table up/down for full belt use

- Hinged dust hood accommodates oversized stock
- Front table can be inclined R&L
- Use 3" dia. sanding drum w/auxiliary table for contour sanding
- Easy, one lever abrasive belt tension adjustments
- Graphite backing reduces friction for longer belt life
- Auxiliary table allows curved sanding
- Single knob tracking control
- CSA Approved

Belt size 6" x 108", speed 3,150 fpm. Oscillating distance 1/4".

Platen tilting 0° to 90°. Sanding drum 3" dia. x 6-1/2"L.

Table size 37" x 7-3/4" front table, 19" x 11-3/4" auxiliary table.

Table adjustment 6" up & down. Tool size 62"L x 20-1/2"W x 41"H.

Tool weight 453 lbs.

**Includes** 3" dia. sanding drum w/collar inserts, front & auxiliary tables, dust hood, Allen wrenches & wrenches, heavy-duty stand, 4" dust port, manual.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>420622</b>	15-010SM1	220	2	1	Magnetic	<b>\$2,842.00</b>



### 9" x 138-3/4" Edge Sander Model OES9138

**POWERMATIC** Large table on the oscillating edge sander travels a full 8"H and tilts (-5°/+45°). Graphite-covered cast iron platen allows production sanding with workpiece support and cooler running.

- 24 opm allows use of the entire belt face without burning

- Precision-balanced drive drum (9" dia.) & rubber-coated idler pulley (4" dia.) provide positive drive & rigid tracking
- Head pivots on a massive shaft w/2 sealed ball bearings
- Large abrasive belt handles large workpieces
- Rugged, bearing-assisted tensioning device
- Large radius auxiliary table provides vertical travel & tilting
- Heavy-duty oscillating gearbox & shaft
- Hinged guard opens for infinite length sanding
- Easy-access pedestal control switch

Belt size 9" x 136-3/4", speed 3,542 fpm. Oscillating distance 3/4".

Dust collection chute 4" dia. (2).

Table size 11-3/4" x 48" x 34-1/2", tilts 5°/45° in/out.

Auxiliary table size 18" radius, tilts 40°/45° in/out.

Table adjustment 8" up. Auxiliary table adjustment 6" up.

Tool size 83"L x 32"W x 50"H. Tool weight 800 lbs.

**Includes** tilting main & end tables, platen w/graphite pad, miter gauge & heavy-duty stand.

Stk.	Mfr.	Volts	HP	Phase	Controls	Price
<b>656646</b>	1791282	230	3	1	Magnetic	<b>\$5,959.00</b>
<b>656658</b>	1791293	230/460	3	3	Magnetic	<b>\$5,739.00</b>

656658|Please specify voltage. 230V will be shipped if not specified.

### Edge Sander Belts

**NORTON** Aluminum Oxide Sanding Belts. Resin-bonded, X weight cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price
<b>608533</b>	60059	6"W x 89"L	40	1	<b>\$21.40</b>
<b>608532</b>	60061	6"W x 89"L	60	1	<b>\$24.80</b>
<b>608528</b>	60062	6"W x 89"L	80	1	<b>\$23.70</b>
<b>608531</b>	60063	6"W x 89"L	100	1	<b>\$22.80</b>
<b>608529</b>	60064	6"W x 89"L	120	1	<b>\$22.80</b>
<b>608536</b>	60081	6"W x 108"L	60	1	<b>\$26.10</b>
<b>608526</b>	60082	6"W x 108"L	80	1	<b>\$24.90</b>
<b>608537</b>	60083	6"W x 108"L	100	1	<b>\$23.80</b>
<b>608527</b>	60084	6"W x 108"L	120	1	<b>\$23.80</b>
<b>608321</b>	49196	9"W x 138"L	80	1	<b>\$63.00</b>
<b>608320</b>	46737	9"W x 138"L	150	1	<b>\$61.00</b>

“ Would you like to schedule a call or meeting? ”

**Kevin Luft** ext. 3105  
kluft@midwesttechnology.com



## WIDE BELT SANDERS



### 15" Open Type Wide Belt Sander

**General Intl.** Open type wide belt sander provides optimum sanding results without need for special operator skills.

- Internal dust shroud for efficient dust control
- Totally enclosed stand w/storage area
- High quality conveyor belt for long service life
- Reinforced pressure roller brackets
- Large panel stop switch for added safety
- Side & rear extension tables
- Independent safety switch w/removable key
- Metal hand wheel controls sanding head height
- Sand up to 30" material in 2 passes. (Finish sanding may be required)

Feed motor 3 HP. Feed rate 3-20 fpm. Conveyor motor 1/6 HP. Board working size 15"W x 4" max. thickness, 5'L min. Tool size 39"L x 52"W x 64-1/2"H (w/tables fully extended). Weight 400 lbs.

**Includes** rear & side extension tables, 2 sanding belts, 3 wrenches, 3 allen keys.

Stk.	Mfr.	Volts	HP	Phase	Belt Size	Price
<b>420630</b>	15-030M1	220	3	1	15" x 39-1/2"	<b>\$3,654.00</b>



### 37" Wide Belt Sanders

**Safety Speed Cut** High quality components and unique design promotes trouble free, easy-to-use low maintenance operation. Perfect for any woodworking shop. USA made.

- Heavy welded construction minimizes vibration for consistent, smooth operation
- Photo electric eye controls pressure air piston belt tracking
- 4-post acme jackthread table support for fast, accurate table height adjustment
- 3-ply gum rubber rough-top endless conveyor belt
- Welded 6" dust chute & internal shielding for easy integration into most existing dust collection systems
- Large hinged access door make belt change fast & easy

Air requirements 65 psi, 1 cfm. Feed motor 3/4 HP (DC). Feed rate 0-18' fpm. Table height adjusts 7-1/4". Working thickness 7-1/4". Working width 36". Tool size 50-1/2"L x 47"W x 63"H. Tool weight 1,400 lbs.

**Includes** pneumatic belt tensioning, 2-1/2" removable platen, 2 rubber-covered pinch rollers, 2 machined idler rollers, rubber-covered contact roller & emergency stop.

Stk.	Mfr.	Volts	HP	Phase	Belt Size	Price
<b>770605</b>	3760-10-1	230	10	1	37" x 60"	<b>\$11,983.00</b>
<b>770607</b>	3760-15-3	230	15	3	37" x 60"	<b>\$12,319.00</b>

### Wide Belt & Drum Cleaner

**Woodstock** Pro-Stik® abrasive rubber pad cleaner offers easy solution for unloading abrasives on belts & drums.

Stk.	Mfr.	Size	Price
<b>786900</b>	D3003	15" x 20" x 1-1/8"	<b>\$107.00</b>



### VS Wide Belt Sanders w/Digital Readout

**POWERMATIC** Centralized controls allow access on 1 easy-to-work panel. VS feed belt provides accurate dialing of precise feed speed to suit project and work environment.

- Digital readout allows presetting of desired thickness & shows exact thickness of finished workpiece
  - 3-motor system provides maximum HP to drive the drums, a second motor to power the VS feed belt & a third motor to easily raise/lower the feed table for desired thickness
  - Air-bye system controls belt oscillation, prevents belt from running off the drum's end & uses sanding surface uniformly to prevent sanding lines on workpiece
  - Auto thicknesser captures workpiece to provide exact thickness
- Air requirements 60 psi, 3 cfm. Dust ports 2 @ 5". Feed motor 1 HP. Feed rate 15-49' fpm. Table hoist motor 1/4 HP. Board working size 37"W x 6 max. thickness, 12"L min. Table height adjusts 31-3/8" to 37-3/8".

**Includes** 2 sanding belts (100 & 180 grit), felt pad, graphite strip, tool box (w/ door key, pull hook, adj. rod, 2 limit switch tubes, hex & open end wrenches, slotted & Phillips screwdrivers) & manual.

**Please specify voltage. 230 will be shipped if not specified.**

**37" Sander** Size 52-3/8"L x 84-5/8"W x 57-1/2"H. Weight 1,970 lbs.

Stk.	Mfr.	Volts	HP	Phase	Belt Size	Price
<b>656551</b>	1790837	230/460	20	3	37" x 75"	<b>\$18,208.00</b>

**25" Sander** Size 52-3/8"L x 84-5/8"W x 45-1/4"H. Weight 1,650 lbs.

<b>656550</b>	1790825	230/460	15	3	25" x 75"	<b>\$13,067.00</b>
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### Wide Belt Sander Belts

**NORTON** Open coat, aluminum oxide sanding belts on resin-bonded, X weight cloth.

Stk.	Mfr.	Size	Grit	Qty.	Price
<b>608602</b>	60331	25"W x 60"L	60	1	<b>\$64.80</b>
<b>608603</b>	60332	25"W x 60"L	80	1	<b>\$59.70</b>
<b>608604</b>	60333	25"W x 60"L	100	1	<b>\$56.30</b>
<b>608605</b>	60334	25"W x 60"L	120	1	<b>\$56.30</b>
<b>608607</b>	60336	25"W x 60"L	180	1	<b>\$56.30</b>
<b>608589</b>	60351	25"W x 75"L	60	1	<b>\$74.90</b>
<b>608590</b>	60352	25"W x 75"L	80	1	<b>\$69.10</b>
<b>608591</b>	60353	25"W x 75"L	100	1	<b>\$65.20</b>
<b>608592</b>	60354	25"W x 75"L	120	1	<b>\$65.20</b>
<b>608610</b>	60498	37"W x 60"L	36	1	<b>\$73.00</b>
<b>608614</b>	60501	37"W x 60"L	60	1	<b>\$59.20</b>
<b>608616</b>	60502	37"W x 60"L	80	1	<b>\$54.60</b>
<b>608618</b>	60503	37"W x 60"L	100	1	<b>\$51.50</b>
<b>608620</b>	60504	37"W x 60"L	120	1	<b>\$51.50</b>
<b>608622</b>	60506	37"W x 60"L	180	1	<b>\$51.50</b>
<b>608594</b>	60521	37"W x 75"L	60	1	<b>\$74.20</b>
<b>608595</b>	60522	37"W x 75"L	80	1	<b>\$68.40</b>
<b>608596</b>	60523	37"W x 75"L	100	1	<b>\$64.40</b>
<b>608597</b>	60524	37"W x 75"L	120	1	<b>\$64.40</b>

### Felt & Graphite Pads

**POWERMATIC** For Powermatic RB & PM wide belt sanders.

#### Felt

Stk.	Mfr.	Size	Price
<b>681250</b>	6288602	25" x 60"	<b>\$112.00</b>
<b>681270</b>	6288702	37" x 60"	<b>\$130.00</b>

#### Graphite

<b>681251</b>	6288603	25" x 60"	<b>\$86.60</b>
<b>681271</b>	6288703	37" x 60"	<b>\$98.90</b>

# STANDS, TABLES & MOBILE MACHINE BASES



## Standard Mobile Bases

**DELTA** Increase mobility for stationary machines. Move them across the shop or out of the way for storage. Bases are made of heavy-gauge steel & feature a foot-operated control lever that raises & lowers the base for easy positioning.

### Mobile Base. For 54A & 54HH jointers.

Stk.	Mfr.	Price
<b>760515</b>	50-274	<b>\$87.50</b>

### Mobile Base. For 36-L336.

Stk.	Mfr.	Price
<b>760440</b>	50-2000	<b>\$339.00</b>

### Mobile Base. For 36-L352 & 36-L552.

Stk.	Mfr.	Price
<b>760441</b>	50-257	<b>\$363.00</b>

## Mobile Bases

### POWERMATIC

### Mobile Base. For 54A & 54HH jointers.

Stk.	Mfr.	Price
<b>658405</b>	2042374	<b>\$296.00</b>

### Mobile Base. For 60C & 60HH jointers.

Stk.	Mfr.	Price
<b>658407</b>	2042376	<b>\$296.00</b>

### Mobile Base. For PJ882 & PJ882HH jointers.

Stk.	Mfr.	Price
<b>655241</b>	1610078	<b>\$334.00</b>



## Adjustable Mobile Base

**HTC Products** No need to worry about matching mobile bases to same name tools, this base adjusts to accommodate any company's tool.

- Stable 4-wheel design
- Lifetime mfr.'s warranty
- 500 lb. capacity

Max. size: square 36" x 36", rectangle 20" x 52".  
All sides extend from 12"-52". Tool weight 18 lbs.

**Includes** all parts & wheels.

Stk.	Mfr.	Price
<b>476467</b>	HTC2000	<b>\$106.00</b>



## Heavy-duty Universal Adjustable Mobile Base

**HTC Products** Heavy-duty adjustable mobile base is perfect for extra carrying capacity & size flexibility. Slotted side rails allow for an exact

machine fit & increases machine height by just 1". Foot activated fixed wheel locks.

- Stable 4-wheel design
- Mfr.'s lifetime warranty
- 700 lb. capacity

Max. size: square 38" x 38", rectangle 22" x 54".  
All sides extend from 14"-54". Tool weight 18 lbs.

**Includes** all parts & wheels.

Stk.	Mfr.	Price
<b>476469</b>	HTC3000	<b>\$135.00</b>



## Heavy Duty Universal Mobile Base

### General Intl.

- 2 heavy-duty 3" wheels
- 2 heavy-duty swivel casters
- Load capacity: 1,000 lbs.

Minimum square size 22-1/2" x 22-1/2".  
Maximum square size 29-1/2" x 29-1/2".  
Maximum rectangular size 34-1/2" x 29-1/2".

Stk.	Mfr.	Price
<b>420769</b>	50-035	<b>\$240.00</b>



## Universal Mobile Bases

**JET** Spring-pin, quick snap allows tool-free adjustments (*width & length*) & easy assembly. Sturdy, low-ground clearance. Strong, yet lightweight. 2 fixed & 2 swivel casters.

**Standard Universal Mobile Base** 18" sq. to 24" sq., 600 lb. capacity. 1/2" clearance.

Stk.	Mfr.	Price
<b>486113</b>	JMB-UMB	<b>\$114.00</b>

**Industrial Universal Mobile Base** 24" sq. to 34" sq., 1,200 lb. capacity. 5/8" clearance.

<b>485786</b>	JMB-UMB-HD	<b>\$198.00</b>
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**Extension Kit** For use w/Industrial & Standard Bases. Increases base length 16" additional inches. Quick snap, tool-free adjustments. 2 swivel casters.

<b>486118</b>	708158	<b>\$118.00</b>
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## Pedestal Roller Stand

**Port A Mate** Pedestal roller provides stable support & assists in the movement of larger workpiece materials.

- Premium polished steel ball bearing roller
- Durable powder coat finish
- High strength ABS adjustment handle
- Non-slip rubber feet
- Assembles in 5 minutes
- Wide stance for extra stability
- Folds flat

Height 27" - 43-3/4".

Stk.	Mfr.	Rollers	Width	Capacity	Price
<b>476510</b>	PM5080	1	11.25"	132 lbs.	<b>\$31.50</b>
<b>476511</b>	PM5083	1	11.25"	200 lbs.	<b>\$40.30</b>



## Stock Stand

**HTC Products** Galvanized ball bearing roller.

Height 28" - 45-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476462</b>	HSS-18	1	16"	1-3/8"	<b>\$168.00</b>



## Stock Roller Stand

**Shop Fox** Heavy-gauge, all-steel welded unit w/quick-fold leg for easy set-up. Stable T-bar base. Ball-bearing roller. Non-marring foot pads. Stores flat.

Height 24.5" - 42". Capacity 150 lbs.

Stk.	Mfr.	Rollers	Width	Price
<b>785637</b>	D2054	1	13"	<b>\$32.30</b>

**Material Support Stand**

**J E T** Heavy-duty cast iron & steel construction. Chrome plated ball bearing roller heads. Locking screws provide added safety. Roller heads are interchangeable. 2-yr. mfr.'s warranty.

Height 23.5" - 38.5". Capacity 2,000 lbs.

Stk.	Mfr.	Rollers	Width	Price
<b>486030</b>	414121	1	14"	<b>\$153.00</b>
<b>486031</b>	414122	V-roller		<b>\$162.00</b>

**Roller Extension Tables**

**HTC Products** Portable conveyors are built to last w/durable adjustable wedge-shaped support legs that can handle large loads. Heavy-duty, all steel welded construction plus steel ball bearing rollers make moving stock through your saw or planer easier. Non-marring nylon leveling glides are included to adjust for uneven floors. Unit folds neatly & legs latch for storage.

Height 26-1/2" - 43-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476484</b>	HRT-70	17	15"	66"	<b>\$404.00</b>
<b>476489</b>	HRT-90	17	24"	66"	<b>\$495.00</b>

**Pedestal Roller Table**

**HTC Products** Galvanized steel ball-bearing rollers easily move stock. Durable, adjustable wedge-shaped support legs. Height 26-1/2" - 43-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476476</b>	HRT-10	5	15"	18"	<b>\$239.00</b>

**Universal Tool Table**

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>

**Tool Stand**

**Shop Fox** 24"H sturdy tool stand w/non-slip rubber feet. 27-1/2" x 31-1/2" (at base), 17-3/4" x 22" (at top). 1,000 lb. capacity.

Stk.	Mfr.	Price
<b>785635</b>	D2275	<b>\$76.80</b>

**Tool Table & Universal Stand**

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top.

Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>

**AIR CLEANERS & FILTRATION SYSTEMS****Air Cleaner**

**Shop-Vac** Quiet-operating, 2-stage filtration system for use on bench top, floor or ceiling mount.

- 2,000 sq./in. of filtration area captures particles as small as 5 microns

- 1.4 amp, 235 cfm system keeps shop cleaner
- Durable, epoxy-coated steel housing w/molded poly-end castings
- Tool-free filter maintenance
- Power indicator light
- UL listed
- Easy-grip top handle
- 2-yr. mfr.'s warranty

Cycles/Hr. 60 (292 sq./ft. room). Size 26"L x 17" dia. Weight 15 lbs.

**Includes** 10' cord, toggle switch, pleated cartridge filter & foam sleeve.

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>773990</b>	103-00-00	120	.146	235	<b>\$180.00</b>

**3-Speed Air Filtration Systems**

**J E T** Electrostatically-charged outer filter removes 98% of all particles 5 microns in size; inner filter removes 85% of particles 1 micron in size. Set the convenient timer for 2, 4 or 8 hour increments and system will shut itself off at the time you have set.

- Remote control adjusts speeds, timer & on/off switch
- Place heavy-duty metal unit on workbench or suspend from ceiling
- Standard size outer filter can be replaced w/out tools
- Inner 8-pocket filter can be blown out or washed

**1/6 HP Cycles/Hr. 12.20 (20' x 20' x 8' room).**

Stk.	Mfr.	Volts	Speed (cfm)	Weight	Price
<b>485844</b>	AFS-1000B	115	550-1,044	54 lbs.	<b>\$467.00</b>

**1/3 HP Cycles/Hr. 31.91 (40' x 40' x 10' room).**

Stk.	Mfr.	Volts	Speed (cfm)	Weight	Price
<b>485895</b>	AFS-2000	115	800-1,700	110 lbs.	<b>\$780.00</b>

**Air Filters J E T****3-Pocket Inner Filter 1 micron.**

Stk.	Mfr.	Item	Qty.	Price
<b>485896</b>	AFS-2IF	For AFS-2000	1	<b>\$157.00</b>
<b>485915</b>	AFS-15IF	For AFS1500	1	<b>\$130.00</b>
<b>485945</b>	AFS-1B-IF	For AFS-100B	1	<b>\$106.00</b>

**Pleated Outer Filter 5 microns.**

Stk.	Mfr.	Item	Qty.	Price
<b>485897</b>	AFS-2OF	For AFS-2000	1	<b>\$68.20</b>
<b>485916</b>	AFS-15OF	For AFS1500	1	<b>\$46.20</b>
<b>485944</b>	AFS-1B-OF	For AFS-100B	1	<b>\$33.00</b>

Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904



### PMI 200 Air Filtration System

**POWERMATIC** Trap up to 99% of all 5-micron particles and 85% of all 1-micron particles for a healthier work environment. 3-blower speeds modify air flow. Operate manually or with the remote control. Tool-free, instant access filter guards for removal and installation.

- Disposable electrostatic outer filter
- 20 ga. steel cabinet
- Charcoal diffusion filter disperses exhausted air
- 3-filter system
- Inner filter w/fine mesh pockets for high efficiency (*blow/wash clean*)
- Timer w/9 settings, for up to 9 hrs. of continuous operation
- Indicator light for filter replacement after 200 hrs.
- Fully-enclosed motor w/overload protection for long life

Cycles/Hr. 13-18. Size 33"L x 25"W x 13"H. Weight 67 lbs.

**Includes** 3 filters (*inner, disposable outer & charcoal diffusion*), 4 eye bolts w/ hex nuts & washers for suspension, 2 built-in carry handles.

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>656673</b>	1791330	115	1/4	547-1,196	<b>\$555.00</b>

**Inner Filter** Fine mesh bags attached to sturdy aluminum frame capture up to 85% of 1 micron dust particles. Blow or wash clean.

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>656590</b>	1791082				<b>\$95.00</b>

**Outer Filter** Capture up to 99% of 5 micron dust particles. Disposable.

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>656591</b>	1791083				<b>\$28.50</b>

### Pro Turbo Air Cleaning System

**General Intl.** Quietly and efficiently filters non-metallic airborne dust particles. This unit is not a woodworking dust collector. When used with an adequate and properly connected dust collector, it can help to reduce the hazards associated with airborne dust particles.

- Filters up to 98% of 5 micron particles & up to 85% of 1 micron particles
- Will not affect ambient room temperature
- Superior 2-stage filtration system includes a disposable, pleated outer filter & a 3 pocket inner filter
- Toolless filter changes
- All steel construction w/durable powder coated finish
- Select between continuous run or timer operation, including 1-15 hr. timer run settings in 1 hour increments

Cycles/Hr. 20 (15' x 20' x 8' room).

Size 28"L x 24"W x 12"H. Weight 68 lbs.

**Includes** disposable outer filter, 3 pocket inner filter, 4 rubber feet, remote control & 4 top mounted eye-bolts w/flange nuts.

**Requires 2 AAA batteries, sold separately.**

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>420612</b>	10-550M1	110	1/8	800	<b>\$726.00</b>

**3-Pouch Inner Filter 1/pkg.**

<b>420550</b>	10550-30				<b>\$105.00</b>
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**Outer Filter 1/pkg.**

<b>420613</b>	10-560				<b>\$55.00</b>
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### Super Turbo Air Cleaning System

**General Intl.** Quietly and efficiently filters non-metallic airborne dust particles in the workshop. This unit is not a woodworking dust collector. When used with an adequate and properly connected dust collector, it can help to reduce the hazards associated with airborne dust particles.

- Filters up to 98% of 5 micron particles & up to 85% of 1 micron particles
- Will not affect ambient room temperature
- Superior 2-stage filtration system includes a disposable, pleated outer filter & 3 pocket inner filter
- All steel construction w/durable powder coated finish
- Designed for around the clock operation
- 3 fan speeds
- Toolless filter changes
- 5 pre-programmed timer settings

Cycles/Hr. 28 (20' x 20' x 8' room).

Size 30"L x 24"W x 14"H. Weight 86 lbs.

**Includes** disposable outer filter, 3 pocket inner filter, 4 rubber feet, remote control & 4 top mounted eye-bolts w/flange nuts.

**Requires 2 AAA batteries, sold separately.**

Stk.	Mfr.	Volts	HP	Speed (cfm)	Price
<b>420614</b>	10-600CIM1	110	1/3	700/900/1,250	<b>\$722.00</b>

**3-Pouch Inner Filter, 1/pkg.**

<b>420551</b>	10600-02				<b>\$142.00</b>
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## DUST COLLECTORS



### 1.3 HP Dust Extractor

**Rikon** Small canister-type vacuum system with a 12 gallon capacity and plenty of power. Easily portable from machine to machine with its top carry handle. For dry use only.

- Quick clamp for easy access to canister & filters
- 95 dB
- 0.5 micron filtration
- Mfr.'s 5-yr. warranty

Capacity 12 gal. Tool Size 14-3/4" dia. x 25-3/8"H. Weight 22 lbs.

**Includes** 4" x 10' hose, hose clamps, filter cartridge & replacement paper filters.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>694250</b>	63-100	115	1	106	<b>\$230.00</b>



### Portable Dust Collector

**General Intl.** Powerful 1 HP dust collector features sealed bearings and shaft for quiet, long-lasting operation. Wide dust hood captures chips, dust and debris.

- Adjustable, multi-position steel support arm accommodates a variety of different machines & applications
- 30 micron filtration
- Support arm extends up to 12"
- Dust hood (10" x 4") rotates 360°
- Comfort-grip carrying handle for easy portability
- Flexible collection hose (4" x 6')
- 78 dBA
- CSA Approved

Static pressure in water 4-5/16". Capacity 15 gal. Tool size 44-1/2"L x 18-7/8"W x 43-1/4"H. 51 lbs.

**Includes** 4" dia. vacuum hose, dust collector bag, wide dust hood, adjustable support arm & manual.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>420605</b>	10-050M1	110	1	700	<b>\$491.00</b>



### 1 HP Dust Collector Model 10-030CF

#### General Intl.

- Powerful 1 HP motor features sealed bearing & shaft for quiet, long-lasting operation
- Safety switch with key. Unit cannot be started when key is removed from the switch
- Precision spin-balanced impeller for smooth operation & minimal noise
- Reusable clear plastic collector bag for improved dust collection efficiency
- Collector body mounted on 3 heavy-duty supports
- Quick-release bag clamps w/metal straps
- High efficiency one micron canister filter
- Large 7" rubber wheels for exceptional stability & smooth mobility
- CSA Approved

Static pressure in water 6-3/4". Capacity 15 gal.

Tool size 31-1/8"L x 18-7/8"W x 47-5/8"H. Tool weight 67 lbs.

**Includes** 1 micron canister filter, 2 swivel casters & (2) 7" rubber wheels.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>420604</b>	10-030CFM1	110	1	506	<b>\$665.00</b>



### 1 HP Dust Collectors Model 10-105

**General Intl.** Powerful 1 HP, TEFC permanently-lubricated motor with a continuous duty rating designed for industrial applications. Precision spin-balanced steel impeller for smooth operation, minimal noise.

- Safety switch w/key

- Washable, extra-fine 2-micron filter bag (10-005M1), or 1-micron filter canister (10-005CFM1)
- 15" dia. heavy-duty collection bags of extra-thick, clear plastic
- Quick-release bag clamps w/metal straps
- Heavy-duty construction w/4 swivel casters for stable mobility
- 5" heavy-duty PVC hose between fan & collector
- Collector body mounted on 3 heavy-duty rods
- Intake screen prevents chips from jamming the impeller
- 9" dia. blower wheel
- 75 to 80 dBA
- CSA Approved

Static pressure in water 6". Capacity 20 gal.

Tool size 30-3/4"L x 17"W x 54-1/4"H. Tool weight 57 lbs.

**Includes** 2-micron filter bag (10-005M1) or 1-micron filter canister (10-005CFM1), plastic collection bags, quick-release clamps, intake screen, 4" dia. inlet, 4" x 5" collection hose & heavy-duty base w/4 swivel casters.

#### Bag Filter

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>420600</b>	10-005M1	110	1	647	<b>\$569.00</b>

#### Canister Filter

<b>420602</b>	10-005CFM1	110	1	647	<b>\$854.00</b>
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Please visit  
**midwesttechnology.com**  
 for the complete specifications  
 of the products listed on this page.



### Dust Collectors Model PMI900TX

**POWERMATIC** Unique Turbo-Cone™ technology improves chip separation, prevents filter clogging and increases packing efficiency of collector bags. Multiple connection port capability makes machine a central dust collection system for the entire woodworking

shop. 3 HP, 1 phase collectors for use with planers, wide belt sanders, table saws and more.

- 96% of 30 micron (179201K) or 98% of 2-micron (1792072K) particles collected
- Program remote-controlled digital timer for up to 99 min.
- Powerful 14 dia. steel impeller
- Quick-change collection bags
- All-metal duct improves air flow
- Easy-move casters & handles

Static pressure in water 11.31". Capacity 10 cu. ft.

Noise level 75-90 dBA. Impeller 14" dia.

Hose inlets 3 @ 4" dia. or 1 @ 8" dia.

Tool size 61"L x 30"W x 94"H (179201K), 72"H (179202K).

Tool weight 211 lbs. (179201K), 268 lbs. (179202K).

**Includes** remote control, triple 4" dust port (or one 8"), handles & 4 swivel casters.

**Bag Filter Includes** 2 cloth filter bags, 2 cloth collection bags w/ windows.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>656686</b>	1792071K	230	1	1,754 @ 8" port	<b>\$1,294.00</b>

**Canister Filter Includes** 2 canister filters & 2 clear collection bags.

<b>656687</b>	1792072K	230	1	1,782 @ 8" port	<b>\$1,529.00</b>
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### 3 HP Dust Collectors

**General Intl.** Powerful 3 HP, TEFC permanently-lubricated motor with a continuous-duty rating designed for industrial applications. Precision, spin-balanced aluminum impeller for smooth operation, less noise.

- 2 washable extra-fine 2-micron filter bags (10-210M1), or two 1-micron filter canisters (10-210CFM1)
- Heavy-duty collection bags of extra-thick, clear recyclable plastic
- Heavy-duty construction w/4 swivel casters for stable mobility
- Steel collector body mounted on 3 heavy-duty rods
- Quick-release bag clamps w/metal straps
- 12" dia. blower wheel
- Safety switch w/key
- 85 to 95 dBA

Static pressure in water 5-9/16". Capacity 83 gal.

Tool size 60"L x 32-5/8"W x 76"H. Tool weight 165 lbs.

**Includes** two 2-micron filter bags (10-210M1) or two 1-micron canister filter (10-210CFM1), 2 heavy-duty plastic collection bags, quick-release clamps, 6" dia. inlet & three 4" dia. inlets, heavy-duty base w/4 swivel casters & manual.

#### Bag Filter

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>420610</b>	10-210M1	220	1	2,280	<b>\$1,473.00</b>

#### Canister Filter

<b>420611</b>	10-210CFM1	220	1	2,280	<b>\$2,089.00</b>
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### Dust Collectors Model DC-650

**J E T** Collectors hook-up to 1 to 3 machines at a time for optimum dust cleaning. Permanently-lubricated, TEFC 1 HP motor rated for continuous duty.

- Economical, quiet 1-stage design
- Quick-install filter & collection (DC-650BK) bags for easy emptying
- 9-1/2" steel impeller

- Easy-move casters
- 5-yr. mfr.'s warranty

Static pressure in water 6-1/2". Capacity 2.1 cu. ft. Noise level 65-70 dBA. 4" dia. hose inlet. Tool size 27"L x 14"W x 57"H (DC-650CK), 61"H (DC-650CK). Tool weight 86 lbs. (DC-650CK), 99 lbs. (DC-650CK).

**Includes** 4 heavy-duty casters.

**Please specify voltage. 115V will be sent if not specified.**

**Bag Filter Includes** 30 micron filter bag, collection bag, see-through dust bag.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>486105</b>	DC-650BK	115/230	1	650	<b>\$464.00</b>

**Canister Filter Includes** 2 micron canister filter, 14" dia. clear disposable collection bag.

<b>486128</b>	DC-650CK	115/230	1	650	<b>\$708.00</b>
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### Dust Collectors DC1200VX

**J E T** Collector features a Vortex Cone™ which improves chip separation and prevents filter clogging while increasing packing efficiency of the collector bag. Industrial-quality construction effectively handles wood chips and sawdust. Permanently-lubricated, TEFC 2 HP motor is continuous-duty rated.

- Economical, quiet 1-stage design

- Industrial controls for long life
- Quick-install collection bags for easy emptying
- 96% of 30 (BK1) micron particles collected
- 98% of 2 (CK1) micron particles: 86% of one micron particles collected
- High air velocity design
- Steel impeller
- Easy-move casters
- Mfr.'s 5-yr. warranty

Static pressure in water 11-1/2". Capacity 5.3 cu. ft. Noise level 80-85 dBA. Impeller 12". Hose inlets 2 @ 4" dia. or 1 @ 6" dia. Tool size 37"L x 22"W x 79"H. 138 lbs. (BK1) 37"L x 28"W x 72"H. 170 lbs. (CK1)

**Includes** double 4" dust port (or one 6") & 4 heavy-duty casters.

**Bag Filter Includes** 30 micron filter bag, 20" dia. collection bag, see-through dust bag.

Stk.	Mfr.	Volts	Phase	Air Volume (cfm)	Price
<b>486013</b>	DC-1200VX-BK1	230	1	1,200	<b>\$670.00</b>

**Canister Filter Includes** 2 micron canister filter, filter cleaning baffles, 20" dia. disposable collection bag.

<b>486014</b>	DC-1200VX-CK1	230	1	1,200	<b>\$914.00</b>
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Place your order on-line!  
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### 2-Stage Dust Collector

#### General Intl.

- High quality motor designed specifically for heavy-duty use & long service life
  - Simple design for easy set-up & maintenance
  - Efficient collection & separation of large chips
  - Remote control for convenient operation from virtually anywhere in shop
  - Equipped w/ultra efficient one micron canister filter w/total surface area of 40.3 sq. ft.
  - Canister filter equipped w/crank handle/internal shaker for easy filter cleaning w/out removing bag
  - Sturdy steel support frame & collection drum equipped w/casters for complete mobility
  - Quick-remove drum lid handle mechanism for fast, tool-free drum cleaning
- 1-1/2 HP. Static pressure in water 8". Capacity 30 gal. Size 45-5/8"L x 47-1/4"W x 69-1/4"H. Weight 156 lbs.

**Includes** support frame, remote control, 1 micron canister filter, plastic chip collection bag, 30 gallon drum, casters & manual.

Stk.	Mfr.	Volts	Air Volume (cfm)	Price
<b>420618</b>	10-805CFM1	110	778	<b>\$1,680.00</b>



### 2-Stage Cyclone Dust Collectors

**Donaldson** Efficient and economical units to remove large contaminants. Constructed of heavy-gauge metal with fully-welded seams and joints to provide long-term operation in applications generating heavy particulate loading, high temperatures and wet contaminants.

Dirty air enters the cyclone where centrifugal force moves the particulate against the cone wall and out of the air stream to the collection unit. Clean air is then exhausted out of the cyclone.

It's only moving part - the inner fan - requires very little maintenance. The collector's long, tapered cyclone profile results in higher velocity operation and increased particle separation efficiency. An optional After-filter Assembly allows filtered air to recirculate back into the room (sold separately).

- Air flow levels - available from 860 to 5600 cfm
- High-efficiency, powerful, direct-drive blower - positioned on the clean-air side of the unit reduces maintenance & energy costs
- Proprietary internal helix design - improves centrifugal air flow & collection efficiency
- Cyclone stand & collection drum - ease particulate disposal, reducing maintenance costs & downtime
- Fan/outlet - orientation can be positioned in 45° increments for greater installation flexibility
- Base orientation - can be positioned in 90° increments, optimizing drum accessibility
- Airtight drum - allows high volume particulate collection

#### Cyclone Dust Collector

Stk.	Mfr.	HP	Air Volume (cfm)	Pressure	Inlet Vel. (fmp)	Price
<b>120805</b>	CYC-19-2	2	860-1,200	7.9-4.6	4,380-6,135	<b>Call for Price</b>
<b>120806</b>	CYC-20-5	5	1,500-2,500	11.4-5.0	4,290-7,140	<b>Call for Price</b>
<b>120807</b>	CYC-24-7.5	7.5	1,950-3,500	13.4-4.4	3,580-6,450	<b>Call for Price</b>
<b>120808</b>	CYC-30-10	10	3,000-4,500	4.0-5.0	3,820-5,730	<b>Call for Price</b>
<b>120809</b>	CYC-30-15	15	4,000-5,600	11.0-4.9	5,100-7,140	<b>Call for Price</b>

**Cyclone Dust Collector w/After-filter Assembly** Allows filtered air to be recirculated back into the room or area.

<b>120810</b>	CYC-19-2AF	2				<b>Call for Price</b>
<b>120811</b>	CYC-20-5AF	5				<b>Call for Price</b>
<b>120812</b>	CYC-24-7.5AF	7.5				<b>Call for Price</b>
<b>120813</b>	CYC-30-10AF	10				<b>Call for Price</b>
<b>120814</b>	CYC-30-15AF	15				<b>Call for Price</b>

**Radial Saw Connector**

**DELTA** Attaches to base frame of radial arm saw, left of column.

Stk.	Mfr.	Outer Dia.	Price
<b>760512</b>	5140040-41	5"	<b>\$143.00</b>



**Dust Collection Hoses**  
**Woodstock**

**Hoses** Tough polyethylene flexible hoses. Use as the main line & various drops to machines.

Stk.	Mfr.	Outer Dia.	Length	Price
<b>785752</b>	D4213	3"	10'	<b>\$21.00</b>
<b>785753</b>	D4214	3"	20'	<b>\$32.50</b>
<b>785754</b>	D4216	4"	10'	<b>\$27.90</b>
<b>785755</b>	D4218	5"	10'	<b>\$32.40</b>

**Clear Wire-reinforced Hoses** Heavy-duty flexible hoses are wire-reinforced & designed specially for dust collection. Use as either a main or branch line. Ideal for machine hook-up.

Stk.	Mfr.	Outer Dia.	Length	Price
<b>485879</b>	W1034	4"	10'	<b>\$54.10</b>
<b>485880</b>	W1035	5"	10'	<b>\$62.60</b>
<b>485881</b>	W1036	6"	10'	<b>\$66.30</b>

**Dust Collector Hose Clamps**

**Woodstock** Connect flexible piping, dust hoods, blast gates & fittings.

**Band Clamps**

Stk.	Mfr.	Outer Dia.	Price
<b>485977</b>	W1021	3"	<b>\$1.14</b>
<b>485978</b>	W1022	4"	<b>\$1.33</b>
<b>485979</b>	W1023	5"	<b>\$1.41</b>
<b>485980</b>	W1024	6"	<b>\$1.71</b>

**Wire Steel Clamp**

Stk.	Mfr.	Outer Dia.	Price
<b>485976</b>	W1316	3"	<b>\$1.22</b>
<b>485935</b>	W1317	4"	<b>\$1.52</b>
<b>485936</b>	W1318	5"	<b>\$1.52</b>
<b>485937</b>	W1319	6"	<b>\$1.70</b>



**Blast Gates**  
**Woodstock**

**Aluminum** Aluminum body w/steel gate & locking knob. Use w/metal or plastic ductwork to regulate airflow to a given machine.

Stk.	Mfr.	Outer Dia.	Price
<b>485951</b>	W1141	3"	<b>\$12.20</b>
<b>485952</b>	W1142	4"	<b>\$16.30</b>

**Plastic** ABS plastic w/2° tapered fit for easy hookup. Use w/metal or plastic ductwork to regulate airflow to a given machine.

Stk.	Mfr.	Outer Dia.	Price
<b>485947</b>	W1006	3"	<b>\$3.64</b>
<b>485948</b>	W1007	4"	<b>\$4.48</b>
<b>485949</b>	W1008	5"	<b>\$9.18</b>
<b>485950</b>	W1009	6"	<b>\$11.40</b>

**Universal Dust Port**

**Woodstock** Inside dia. accepts Shop-Vac hose. ABS plastic. Attaches w/screws. Overall size 4-1/2"H x 4-1/4"W.

Stk.	Mfr.	Outer Dia.	Price
<b>485965</b>	W1042	2-1/2"	<b>\$5.46</b>

**Fittings**

**Woodstock** Use to branch off main lines. ABS plastic.

**Y Fittings**

Stk.	Mfr.	Outer Dia.	Price
<b>485953</b>	W1014	3"	<b>\$6.16</b>
<b>485954</b>	W1015	4"	<b>\$9.86</b>

**T Fittings**

Stk.	Mfr.	Outer Dia.	Price
<b>485955</b>	W1012	3"	<b>\$5.88</b>
<b>485956</b>	W1013	4"	<b>\$10.30</b>

**Elbows**

**Woodstock** 1° tapered fit for easy hookup. ABS plastic.

Stk.	Mfr.	Outer Dia.	Price
<b>485957</b>	W1016	3"	<b>\$6.16</b>
<b>485958</b>	W1017	4"	<b>\$8.51</b>

**Splices**

**Woodstock** Connect flexible hoses to make longer lengths. ABS plastic.

Stk.	Mfr.	Outer Dia.	Price
<b>485966</b>	W1018	3"	<b>\$2.80</b>
<b>485967</b>	W1019	4"	<b>\$4.76</b>

**Reducers**

**Woodstock** Use to step down from a larger size & increase air velocity. ABS plastic.

Stk.	Mfr.	Outer Dia.	Price
<b>485959</b>	W1020	3" to 2"	<b>\$1.82</b>
<b>485960</b>	W1041	3" to 2-1/2"	<b>\$1.82</b>
<b>785756</b>	D4225	4" to 2-1/4"	<b>\$1.96</b>
<b>485961</b>	W1044	4" to 2-1/2"	<b>\$2.41</b>
<b>485962</b>	W1011	4" to 3"	<b>\$2.10</b>



786705



785757

**Universal Adapters**

**Woodstock** Models provide a multitude of dust collection reducing options. Cut away unneeded steps w/ hacksaw.

**7-Step**

Stk.	Mfr.	Outer Dia.	Length	Price
<b>786705</b>	W1039	1", 2", 2-1/2", 3", 4", 5", 6"	9-1/2"	<b>\$7.71</b>

**4-Step w/Mounting Holes**

Stk.	Mfr.	Outer Dia.	Length	Price
<b>785757</b>	D4236	2-1/2" - 1"	6-1/2"	<b>\$4.79</b>



### Quick Disconnect

**Woodstock** Designed to attach to the end of a 4" flexible hose and then press-on to any 4" outer diameter dust hood for a quick and easy friction fit. ABS black plastic.

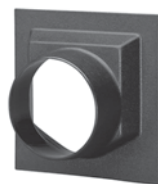
Stk.	Mfr.	Outer Dia.	Length	Price
<b>485963</b>	W1038	4-1/4" / 3-7/8"	4"	<b>\$5.04</b>



### Connector

**Woodstock** Flanged connector makes adding a 4" OD dust port to any machine easy. Flange diameter is 5-5/8" with pre-bored mounting holes.

Stk.	Mfr.	Outer Dia.	Length	Price
<b>785758</b>	D4262	4"	4"	<b>\$5.32</b>



### Universal Dust Hood

**Woodstock** Fits over a 4-1/2" dust port and can be adapted to fit many woodworking tools. Use it on table saws, band saws, shapers, sanders etc. by simply attaching it directly to the machine, or by using a custom-built cabinet. Size 6-1/4"W x 6-1/4"H x 2-1/2"D.

Stk.	Mfr.	Outer Dia.	Price
<b>485934</b>	W1010	4"	<b>\$3.24</b>



### Floor Sweep

**Woodstock** ABS plastic. Overall size 3-5/8"H x 6-3/4"D x 24"W.

Stk.	Mfr.	Outer Dia.	Price
<b>485970</b>	W1003	4"	<b>\$8.51</b>



### Jointer Dust Hoods

**Shop Fox** Fits most jointers. 3/32"T, 4" O.D., 3/4"W flange.

Stk.	Mfr.	Fits	Price
<b>786715</b>	W1001	6.5" x 6.5" chute	<b>\$3.22</b>
<b>786716</b>	W1002	7" x 8.5" chute	<b>\$3.92</b>



### Grounding Kit

**Woodstock** Grounds against electrical charge build-up.

**Includes** 50' copper wire, 8 wire nuts, 2

grounding screws, 2 wire connectors.

Stk.	Mfr.	Price
<b>485971</b>	W1053	<b>\$16.30</b>

### Replacement Filter Bags

#### J E T

Stk.	Mfr.	Item	Price
<b>485729</b>	FB-1200	For DC-1200-1	<b>\$114.00</b>
<b>485730</b>	FB-650	For DC-650	<b>\$83.60</b>



### 4" Dia. Dust Collection Kits

#### Woodstock

**4-Piece Includes** 4" x 10' hose, 2 hose clamps, universal hood & instructions.

Stk.	Mfr.	Price
<b>786710</b>	W1054	<b>\$33.60</b>

**17-Piece Includes** 2 blast gates, two 4" x 10' hose, 10 hose clamps, table saw hood, universal hood, Y fitting & instructions.

Stk.	Mfr.	Price
<b>786711</b>	W1055	<b>\$84.70</b>

## DOWNDRAFT SANDING STATIONS



### Industrial Downdraft Station

**Ace Industrial** Mobile unit for production welding, soldering, grinding, sanding and cutting.

- 1,850 cfm high volume fume, particulate & grit extraction capability
- For large scale work projects & more than 1 operator

- Cleanable filters are designed for long life & effective performance
  - Steel tabletop grates are operator adjusted for max. airflow attenuation
  - Aluminum mesh spark trap ensures fire safety from hot embers
  - All-steel durable construction provides years of service
  - Heavy duty casters, two that swivel & lock for stability
  - Filter status gauge • 2-yr. mfr.'s limited warranty • UL Listed
- Size 60"L x 36"W x 36"H. Weight 650 lbs.

**Includes** pre-filter and 2 main filters (91-852).

Stk.	Mfr.	Volts	HP	Phase	CFM	Price
<b>199300</b>	73-900	120/240	1	single	1,850	<b>\$7,326.00</b>

**Pre-Filter** 24" x 24" x 2" spark arresting.

<b>199320</b>	91-851					<b>\$191.00</b>
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**Fiberglass Main Filter** 24" x 24" x 12". Cleanable, multi cell w/steel frame.

<b>199321</b>	91-852					<b>\$295.00</b>
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**Grinding Center Wall** 3" x 20". For 2-operator use.

<b>199280</b>	65900					<b>\$492.00</b>
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**3-Sided Grinding Wall** 20"H

<b>199281</b>	65901					<b>\$614.00</b>
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“ Need a competitive bid or help with a large project? ”

Al Ryan ext. 3130  
aryan@midwesttechnology.com





### Sand Pro Downdraft Sanding Station

**SandMan** Sanding stations pull small particles down and away from work and the environment.

Top is ABS plastic with holes drilled on 1-1/2" centers for doweled stop blocks and support jigs. Top has tough, durable, gripable, mar-resistant polymer brown 3/32" coating. Top's frame is constructed of solid hardwood. Deluxe cabinet is steel frame construction, and offers 10.4 cu. ft. storage area. Cabinets are primed and top-coated in tan.

- Quiet, powerful 70-74 dBA TEFC motor
- Use for pennies/day
- Rolls easily on 5" swivel casters w/2-way locks (*DL models are 4"*)
- Hardwood handles for moving and/or wrapping power cord
- Power switch w/2 extra outlets
- Convenient multiple filters - 2" deep microfibre pleated filters & blanket pre-filter for routing or heavy sealer sanding

**Includes** 2" pleated filters, polyester filter, 12-3 ga. 15' cord, squared stop block & rubber-coated top.

**Shown w/tools, sold separately.**

#### Economy Wood Model

Stk.	Mfr.	HP	CFM	Size	Weight	Price
<b>769901</b>	M4836R	3/4	2,400	48" x 36" x 34"	260 lbs.	<b>\$2,250.00</b>
<b>769906</b>	M6033R	3/4	2,400	60" x 33" x 34"	285 lbs.	<b>\$2,400.00</b>
<b>769911</b>	M7236R	1	2,800	72" x 36" x 34"	380 lbs.	<b>\$2,700.00</b>

#### Deluxe Metal Model

<b>769920</b>	DL7236R	1/2	3,200	72" x 36" x 38"	415 lbs.	<b>\$3,375.00</b>
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#### Replacement Filter

<b>943008</b>	84355.022025					<b>\$9.97</b>
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### HC Downdraft Sanding Station

**SandMan** High-capacity, self contained down-draft sanding table uses 16-micron tube filters that are 99% efficient at 1 micron. Dust is then dropped into 2 easy-to-remove pans. Top is rubberized on both sides, top and bottom, to

make it reversible for twice the life. Great for collecting sanding dust, and ideal for applications that remove large amounts of stock such as routing, carving and solid surface milling.

- Quiet, powerful 78 dBA, 1.5 HP TEFC motor w/16" steel backward incline fan
- Felt-lined platform, squared stop & stainless steel hanger for 5" air orbital sander use
  - 18-mo. mfr.'s limited warranty
- Grid-system top for jigs & fixtures
  - Even draw over entire top
- Multiple filters 16 singed bags (6" x 22")
  - 3" swivel casters

Size 80"L x 30"W x 36"H. Weight 620 lbs.

**Includes** 16-tube filters w/2-cleanout pans, motor starter, 4 locking swivel casters, magnetic tool hanger, squared stop block, 2-sided rubber-coated top & stainless steel hanger.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	CFM	Price
<b>769940</b>	HC8030	220/440	1-1/2	3	3,900	<b>\$5,625.00</b>



### Stand Alone Downdraft Table

**J E T** Table combines a large work surface with an efficient dust/chip collection area. Welded steel frame vents to a 4" port that easily connects to your dust collection system. Draws dust particles away without obstructing movement. Adjustable non-slip grommets secure project on the table. Attaches to

table saw or stands alone using second leg set.

Size 36"L x 30"W x 33"H. Weight 80 lbs.

**Includes** 10 rubber grommets & 2 leg sets.

Stk.	Mfr.	Price
<b>486010</b>	708403K	<b>\$660.00</b>



### Bench Top Downdraft Table

**Shop Fox** A simple and economical solution to capturing the dust created by portable hand sanders. Lightweight, low profile table stores easily out of the way. Internal baffles and slot-

ted surface maximize air movement and dust control. Non skid top and feet. 4" dust port.

Size 40"L x 20"W x 6-1/4"H. Weight 24 lbs.

Stk.	Mfr.	Price
<b>786845</b>	W1733A	<b>\$240.00</b>



### Portable Downdraft Table

**General Intl.** 4" dust port connects to shop dust collector to capture sanding dust off bench top. Internal baffles for stable maximum capacity airflow. Rubber grommets on the table

surface protect the piece. Six adjustable stops secure work piece to table. Sturdy steel frame and lightweight design for easy storage and portability.

Size 39-1/2"L x 20-1/2"W x 9-1/2"H. Weight 27 lbs.

Stk.	Mfr.	Price
<b>420615</b>	10-715	<b>\$266.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*

**“Not sure what tool is right for your project or program?”**

Dan Goodwin ext. 3104  
dgoodwin@midwesttechnology.com



## TOOL BOX PROJECT KITS



### Metalworking Tool Box Project Kits

**KBBI Company** Students will experience cutting & bending metal, as well as spot welding or use of pop rivets. Each kit includes detailed instructions & accessories.

**Requires galvanized metal sheets, sold separately.**

**Junior Tool Box Kit** One kit requires 3 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) hinge, draw bolt, steel handle w/cleats & 4 nickel-plated corners.

Stk.	Mfr.	Size	Qty.	Price
<b>232995</b>	JTK-6	13-1/2"L x 5-1/8"W x 4-1/4"H	6 kits	<b>\$49.00</b>
<b>232996</b>	JTK-24	13-1/2"L x 5-1/8"W x 4-1/4"H	24 kits	<b>\$182.00</b>

**Hip Roof Tool Box Kit** One kit requires 8 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) 2 hinges, padlock hasp, 4 nickel-plated corners, steel handle & 2 draw bolts.

Stk.	Mfr.	Size	Qty.	Price
<b>233002</b>	MTK-6	18"L x 6"W x 7"H	6 kits	<b>\$72.00</b>
<b>233003</b>	MTK-24	18"L x 6"W x 7"H	24 kits	<b>\$233.00</b>

**Large Tool Box Kit** One kit requires 5 sq./ft. of sheet metal, sold separately. **Includes** (w/ea. kit) hinge, hardware, steel handle, 4 nickel-plated corners & draw bolt.

Stk.	Mfr.	Size	Qty.	Price
<b>233007</b>	WTK-6	18-1/4"L x 6-1/4"W x 7-1/4"H	6 kits	<b>\$65.70</b>
<b>233008</b>	WTK-24	18-1/4"L x 6-1/4"W x 7-1/4"H	24 kits	<b>\$217.00</b>

### Metal Sheets Sioux City Foundry

#### Galvanized

Stk.	Mfr.	Size	Gauge	Price
<b>884623</b>	24GA	36" x 96"	24	<b>\$72.40</b>
<b>884690</b>	26GA	36" x 96"	26	<b>\$97.00</b>
<b>884757</b>	28GA	36" x 96"	28	<b>\$88.00</b>

#### Cold Rolled

Stk.	Mfr.	Size	Gauge	Price
<b>884625</b>	24GA	36" x 96"	24	<b>\$130.00</b>

### Tool Box Continuous Hinges

Stk.	Mfr.	Item	Size	Qty.	Price
<b>233011</b>	KB-1314	JTK	13-3/4" x 1"	1	<b>\$1.52</b>
<b>233010</b>	KB-1734	MTK & WTK	17-3/4" x 1"	1	<b>\$1.60</b>

### Tool Box Corners

Stk.	Mfr.	Item	Qty.	Price
<b>233040</b>	8095N	JTK	1	<b>\$0.40</b>
<b>233039</b>	8050N	MTK & WTK	1	<b>\$0.44</b>

### Tool Box Latches

Stk.	Mfr.	Item	Qty.	Price
<b>233041</b>	44333N	MTK & WTK	1	<b>\$2.30</b>
<b>233042</b>	HC227ZE	JTK	1	<b>\$3.70</b>

### Tool Box Handles

For Tool Box Kits MTK, WTK & JTK. **Includes** handle and 2 cleats.

Stk.	Mfr.	Finish	Qty.	Price
<b>233012</b>	K140N-5	Steel	1	<b>\$2.27</b>

For Tool Box Kits MTK & WTK.

Stk.	Mfr.	Finish	Qty.	Price
<b>232920</b>	350-7415	Black Handle / Nickel plated fittings	1	<b>\$3.92</b>

### Hammered Spray Paint

**Rust-Oleum** Applies a distinctive hammered look &/or hides flaws & imperfections found in scratched, rusted or pitted metals. Not recommended for use on galvanized metal.

Stk.	Mfr.	Color	Size	Price
<b>963050</b>	7217830	Bright Red	12 oz.	<b>\$10.40</b>
<b>963051</b>	7211830	Deep Green	12 oz.	<b>\$10.40</b>
<b>963052</b>	7215830	Black	12 oz.	<b>\$10.40</b>

## RODS, SHEETS, PLATES & METALS

### Tin Plates

**Reynolds Services** Approx. sheet size 20" x 31". 28 gauge bright finish.

Stk.	Mfr.	Qty.	Price
<b>688002</b>	TP-25	25/pkg.	<b>\$248.00</b>
<b>688004</b>	TP-100	100/pkg.	<b>\$788.00</b>

### Drill Rods

**Production Tool Supply** Water-hardened drill rod, polished and ground.

Stk.	Mfr.	Size	Length	Price
<b>682843</b>	MD50-008	1/8"	36"	<b>\$3.48</b>
<b>682844</b>	MD50-012	3/16"	36"	<b>\$4.29</b>
<b>682845</b>	MD50-016	1/4"	36"	<b>\$4.37</b>
<b>682846</b>	MD50-020	5/16"	36"	<b>\$6.51</b>
<b>682847</b>	MD50-024	3/8"	36"	<b>\$8.43</b>
<b>682848</b>	MD50-028	7/16"	36"	<b>\$11.20</b>
<b>682849</b>	MD50-032	1/2"	36"	<b>\$13.10</b>
<b>682707</b>	MD50-040	5/8"	36"	<b>\$19.00</b>
<b>682708</b>	MD50-048	3/4"	36"	<b>\$24.00</b>
<b>682710</b>	MD50-100	1"	36"	<b>\$42.40</b>

### Threaded Rods

**Production Tool Supply** Steel-threaded rod, made of 1010 carbon steel. Continuously threaded.

Stk.	Mfr.	Size	Length	Threads	Price
<b>682711</b>	ME50-0420	1/4"	36"	20	<b>\$2.75</b>
<b>682712</b>	ME50-0518	5/16"	36"	18	<b>\$3.78</b>
<b>682713</b>	ME50-0616	3/8"	36"	16	<b>\$4.93</b>
<b>682714</b>	ME50-0714	7/16"	36"	14	<b>\$6.30</b>
<b>682715</b>	ME50-0813	1/2"	36"	13	<b>\$8.10</b>
<b>682716</b>	ME50-1011	5/8"	36"	11	<b>\$12.50</b>
<b>682717</b>	ME50-1210	3/4"	36"	10	<b>\$17.40</b>



### Threaded Rod Rack

**Durham** Separate & protect threaded rods. Eighteen 2-1/16" dia. openings. Made of prime cold rolled steel w/winterlocking construction. Gray baked enamel.

Stk.	Mfr.	Size	Price
<b>345012</b>	367-95	24-1/8"W x 24"H x 6-7/8"D	<b>\$103.00</b>

### Metal Sheets

#### Sioux City Foundry

#### Galvanized

Stk.	Mfr.	Size	Gauge	Price
<b>884623</b>	24GA	36" x 96"	24	<b>\$72.40</b>
<b>884690</b>	26GA	36" x 96"	26	<b>\$97.00</b>
<b>884757</b>	28GA	36" x 96"	28	<b>\$88.00</b>

#### Cold Rolled

Stk.	Mfr.	Size	Gauge	Price
<b>884625</b>	24GA	36" x 96"	24	<b>\$130.00</b>

**Raw Metal Materials****Sioux City Foundry**

**Cold Rolled Rounds** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>882414</b>	1/4"	1/4"	20'	<b>\$15.70</b>
<b>882548</b>	3/8"	3/8"	20'	<b>\$24.30</b>
<b>882682</b>	1/2"	1/2"	20'	<b>\$39.90</b>
<b>882749</b>	5/8"	5/8"	20'	<b>\$59.30</b>
<b>882816</b>	3/4"	3/4"	20'	<b>\$82.50</b>
<b>882950</b>	1"	1"	20'	<b>\$147.00</b>
<b>883017</b>	1-1/4"	1-1/4"	20'	<b>\$229.00</b>

**Hot Rolled Angles** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>880002</b>	1/8X1/2X1/2	1/8" x 1/2" x 1/2"	20'	<b>\$33.00</b>
<b>880069</b>	1/8X3/4X3/4	1/8" x 3/4" x 3/4"	20'	<b>\$29.30</b>
<b>880130</b>	1/8X1X1	1/8" x 1" x 1"	20'	<b>\$31.20</b>
<b>880203</b>	1/8X1-1/4X1-1/4	1/8" x 1-1/4" x 1-1/4"	20'	<b>\$39.80</b>
<b>880270</b>	1/8X1-1/2X1-1/2	1/8" x 1-1/2" x 1-1/2"	20'	<b>\$44.30</b>
<b>880337</b>	1/8X2X2	1/8" x 2" x 2"	20'	<b>\$59.30</b>

**Hot Rolled Flats** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>881543</b>	1/4X3/4	1/4" x 3/4"	20'	<b>\$33.60</b>
<b>881610</b>	1/4X1	1/4" x 1"	20'	<b>\$33.20</b>
<b>881677</b>	1/4X1-1/4	1/4" x 1-1/4"	20'	<b>\$43.20</b>
<b>881744</b>	1/4X1-1/2	1/4" x 1-1/2"	20'	<b>\$46.50</b>
<b>881878</b>	1/4X2	1/4" x 2"	20'	<b>\$60.80</b>
<b>882213</b>	3/8X1	3/8" x 1"	20'	<b>\$49.50</b>
<b>882280</b>	3/8X1-1/2	3/8" x 1-1/2"	20'	<b>\$70.20</b>
<b>882437</b>	3/8X2	3/8" x 2"	20'	<b>\$89.10</b>

**Hot Rolled Rounds** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>883084</b>	1/4"	1/4"	20'	<b>\$12.80</b>
<b>883151</b>	5/16"	5/16"	20'	<b>\$17.30</b>
<b>883218</b>	3/8"	3/8"	20'	<b>\$22.20</b>
<b>883352</b>	1/2"	1/2"	20'	<b>\$28.50</b>
<b>883419</b>	5/8"	5/8"	20'	<b>\$39.00</b>
<b>883486</b>	3/4"	3/4"	20'	<b>\$54.60</b>
<b>883553</b>	7/8"	7/8"	20'	<b>\$73.50</b>
<b>883554</b>	1"	1"	20'	<b>\$96.00</b>

**Hot Rolled Squares** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>883620</b>	3/8"	3/8"	20'	<b>\$26.70</b>
<b>883687</b>	1/2"	1/2"	20'	<b>\$31.20</b>
<b>883754</b>	5/8"	5/8"	20'	<b>\$51.60</b>
<b>883821</b>	3/4"	3/4"	20'	<b>\$67.80</b>
<b>883955</b>	1"	1"	20'	<b>\$116.00</b>

**Hot Rolled Strip (Band Iron)** Shipped in 5' lengths. Must be purchased in multiples of 20'.

Stk.	Mfr.	Size	Length	Price
<b>880739</b>	1/8X1/2	1/8" x 1/2"	20'	<b>\$13.60</b>
<b>880806</b>	1/8X3/4	1/8" x 3/4"	20'	<b>\$17.40</b>
<b>880873</b>	1/8X1	1/8" x 1"	20'	<b>\$18.30</b>
<b>880940</b>	1/8X1-1/4	1/8" x 1-1/4"	20'	<b>\$21.90</b>
<b>881007</b>	1/8X1-1/2	1/8" x 1-1/2"	20'	<b>\$24.30</b>
<b>881074</b>	1/8X2	1/8" x 2"	20'	<b>\$30.90</b>
<b>881141</b>	3/16X3/4	3/16" x 3/4"	20'	<b>\$23.90</b>
<b>881208</b>	3/16X1	3/16" x 1"	20'	<b>\$24.00</b>
<b>881275</b>	3/16X1-1/4	3/16" x 1-1/4"	20'	<b>\$29.30</b>
<b>881342</b>	3/16X1-1/2	3/16" x 1-1/2"	20'	<b>\$35.40</b>
<b>881409</b>	3/16X2	3/16" x 2"	20'	<b>\$45.20</b>

**Square Tubing** All tubing is shipped in 6' lengths. Must be purchased in multiples of 24'.

Stk.	Mfr.	Size	Length	Price
<b>883970</b>	1X1X.083	1" x 1" x .083"	24'	<b>\$57.00</b>
<b>883971</b>	1-1/2X1-1/2X.083	1-1/2" x 1-1/2" x .083"	24'	<b>\$86.10</b>
<b>883972</b>	2X2X.083	2" x 2" x .083"	24'	<b>\$116.00</b>

**Rectangular Tubing** All tubing is shipped in 6' lengths. Must be purchased in multiples of 24'.

Stk.	Mfr.	Size	Length	Price
<b>883973</b>	2X1X.083	2" x 1" x .083"	24'	<b>\$85.50</b>
<b>883974</b>	2-1/2X1-1/2X.083	2-1/2" x 1-1/2" x .083"	24'	<b>\$116.00</b>
<b>883975</b>	3X2X.083	3" x 2" x .083"	24'	<b>\$148.00</b>

**METAL FORMING****Standalone Scroll Bender**

**Hossfeld** Bender can be mounted in a vise. Comes complete with vise-held scroll bender frame and general purpose set of scroll dies for bending 2-1/2", 4" and 5" dia. single-turn and 6-1/2" and 8" dia. 1-1/2-turn scrolls.

**Includes** scroll frame, 19 u-pin (05055), 21 u-pin roller (05165), 64B scroll die, 2-1/2" dia. single-turn (21218), 65B scroll dies for 4" dia. single-turn & 6-1/2" dia. 1-1/2-turn w/assembling pin (21219), 66B scroll dies for 5" dia. single-turn & 8" dia. 1-1/2-turn w/assembling pin (21220).

**Shown w/vise, sold separately.**

Stk.	Mfr.	Price
<b>141050</b>	17000	<b>\$839.00</b>

**Manual Hydraulic Pipe Benders**

**JET** Rotating stand locks in 3 positions for stability and versatility. Lightweight and portable for use anywhere.

- Heavy-duty hydraulic cylinder capable of bending schedule 40 pipe
- Simple manual operation, no external power needed

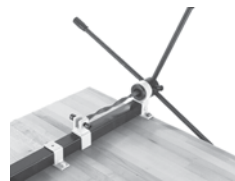
Tool size 19"H x 17"W x 40"L.  
Tool weight 115 lbs. (JHPB-20), 260 lbs. (JHPB-30).

**2" Bender** Max. wall thickness 1/5. Max. load 9 tons. Piston stroke 10-1/4". Ram dia. 1-3/4". **Includes** 6 dies (1/2", 3/4", 1", 1-1/4", 1-1/2", 2").

Stk.	Mfr.	Pipe Capacity	Price
<b>486035</b>	JHPB-20	1/2"-2"	<b>\$573.00</b>

**3" Bender** Max. wall thickness 6/25. Max. load 20 tons. Piston stroke 12-5/8". Ram dia. 2-1/3". **Includes** 8 dies (1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3").

Stk.	Mfr.	Pipe Capacity	Price
<b>486036</b>	JHPB-30	1/2"-3"	<b>\$924.00</b>

**Bench Top Bending System**

**Shop Fox** Jig Set bends wrought iron into curves, spirals, angles and twists using round, square or rectangular steel. Weld or fasten shaped metal pieces together to make railings, support or framework for metal furniture.

Bend, twist & roll wrought iron: 1-1/4" x 1/4" rectangular, 3/8" square or round stock. Angle bending: 60° to 90°. Circle bending: 2-3/8" dia. Twist/scroll length: 40". Riveting 1/8", 3/16" & 1/4" (up to 1-1/4"W).

Stk.	Mfr.	Price
<b>785652</b>	M1010	<b>\$310.00</b>



### Universal Bender Model No. 2

**Hossfeld** Hand-operated metal forming machine bends radii with sharp angles in bar and angle stock, and also bends pipe and tubing in smooth curves without distortion. Versatile, fast, easy setup for production, prototype development, custom fabrication and general

maintenance. Tool-free operating die and pin assembly. Finger adjustment of mounting pins.

- Sharp, square bends on round, square or flat stock
- Radius bends on most sizes and on materials such as bar or flat stock, piping or tubing, angle iron & handrail capping
- Ornamental work

#### Cold Bending Specifications (double capacities for hot bending):

Sharp square flat bends: 1/2" x 4-1/2".

Heavy flat bars (1/2" R & up): 1/2" x 4-1/2".

Eye bolts 5/8". Round corner "U" bolts 1-1/4". Sharp square "U" bolts 5/8".

Square "U" bolts (1/2" R) 1-1/4".

Scrolls 3/16" x 3/4". Edgebend flats 3/8" x 1-3/4".

Round or square eyes on flats 3/8" x 4-1/2".

Angle iron flange out & in 2" x 2" x 3/16".

Standard pipe, all sizes 1/4" to 2". Tubing, 16 ga. or heavier (2" R) 3/4" O.D.

**Includes** general purpose dies for bending solid bar stock up to 1-1/4" round, square, or hex; 1/2" x 4-1/4" flats & standard pipe up to 2".

**Shown w/stand, sold separately.**

#### Model No. 2

Stk.	Mfr.	Price
<b>558310</b>	MW46005	<b>\$1,895.00</b>

**Model No. 2 w/Attachments & Accessories Package Includes** same as above, plus bulldozer-type die (21100), angle iron attachments (20779 & 20985), 180° wraparound tube die set (22589) & scroll die (21218).

<b>141342</b>	46025	<b>\$3,637.00</b>
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#### Universal Bender Model No. 2 Attachments

**Bulldozer-type Die** For bending eyes & sharp square bends on flat stock. 3/16" x 4-1/2" capacity.

Stk.	Mfr.	Price
<b>141072</b>	21100	<b>\$192.00</b>

**Inward Bend Angle Iron Attachments** For bending flange inward w/15" radius block. 2" x 2" x 3/16" capacity.

<b>141470</b>	20779	<b>\$423.00</b>
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**Outward Bend Angle Iron Attachments** For bending flange outward w/set of 5", 7", 18" & 24" radius blocks. 2" x 2" x 3/16" capacity.

<b>141537</b>	20985	<b>\$500.00</b>
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**180 Wraparound Tube Die Set** 3/4" O.D. Tube size x 2" centerline radius.

<b>141150</b>	22589	<b>\$264.00</b>
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**Scroll Die** Single turn 2-1/2" diameter scroll size. 3/16" x 3/4" capacity.

<b>141068</b>	21218	<b>\$160.00</b>
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**Scroll Forming Dies** For bending 2-1/2", 4" & 5" dia. single-turn scrolls & 6-1/2" & 8" dia. 1-and-a-half-turn scrolls. Scroll dies can be used w/ either the Standalone Scroll Frame (17000), the Model No. 2 Bender (MW46005) or smaller Model No. 1 Bender. **Includes** scroll dies 64B (21218), 65B (21219) & 66B (21220).

<b>141080</b>	21221	<b>\$685.00</b>
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**Edgebend Die** For bending flat stock edgeways when used w/outbend setup & radius blocks. 3/8" x 1-3/4" capacity.

<b>141139</b>	20949	<b>\$122.00</b>
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#### Edgebend Spacer Set

<b>141137</b>	20942	<b>\$108.00</b>
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#### Pedestal Stand

<b>141344</b>	20768	<b>\$404.00</b>
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### E-Z Bend Hydraulic Bender

**MetalPro** This lower-cost alternative is capable of a wide range of bending applications including pipe, conduit, tubing, and round bar stock. It easily handles a wide variety of professional and industrial production jobs. Using different dies the machine can bend pipe from 1/4" up to 2" (Schedule 40 pipe).

- Easy to operate & maintain

- Applications in all types of metal fabrication shops, racing industry repairs, electrical contractor work & more

- 1-yr. mfr.'s warranty

Capacity 12 tons. Speed 4-5 spm. 2,500 psi. Oil capacity 1/2 gal.

Size: 26"W x 27"L x 43"H. Weight 250 lbs.

Stk.	Mfr.	Item	Volts	HP	Phase	Price
<b>535430</b>	MP9000		110	3/4	1	<b>\$2,220.00</b>

#### Dies

Stk.	Mfr.	Item	Volts	HP	Phase	Price
<b>535440</b>	MP9020	1/4"-1/2"				<b>\$123.00</b>
<b>535439</b>	MP9019	3/4"				<b>\$152.00</b>
<b>535438</b>	MP9018	1"				<b>\$182.00</b>
<b>535437</b>	MP9017	1-1/4"				<b>\$245.00</b>
<b>535436</b>	MP9016	1-1/2"				<b>\$278.00</b>
<b>535435</b>	MP9015	2"				<b>\$349.00</b>

**6-Piece Die Set Includes** 1/4" to 2".

Stk.	Mfr.	Item	Volts	HP	Phase	Price
<b>535450</b>	MP9030					<b>\$1,207.00</b>



### Box & Pan Brake

**Pexto** Frame is rigid 1-piece machine tool grade casting with precision-ground reversible, replaceable bed blade. Upper bar is positively positioned all ways.

- 8 heat-treated, die steel box fingers (3/4" to 6")
- Set of fingers arranged to form 3/4" to 24" in 1/4" increments

- Stop collar adjusts from 0°-135°

- Full 3" forming depth with 1/2" recess on underside of fingers

- Adjustable friction-brake safety stops upper bar from dead-weight drop

- Bend angle past horizontal 45° (20° when box fingers are used)

Max box depth 3". Max lift of beam 1". Beam adjustment front to rear 1/4".

Min. reverse bend: 1/4". Min. flange bend: 1/2". Finger widths 3/4" - 6".

**Includes** 8 asst. size fingers (1 ea. 3/4", 1", 1-1/4", 1-1/2", 3", 4-1/2" & 2 ea. 6").

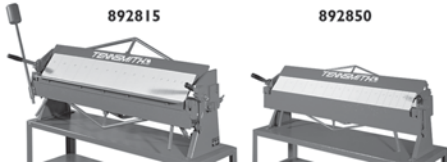
**Shown w/stand, sold separately.**

Stk.	Mfr.	Capacity Mild Steel	Price
<b>972278</b>	PX-24	16 ga. x 24"L	<b>\$4,582.00</b>

**Steel Stand Roper Whitney** For Mfr.'s 63 & PX-24.

Stk.	Mfr.	Price
<b>972345</b>	239006006	<b>\$558.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



### Box & Pan Brakes

**Tennsmith** Economical units perform a wide range of sheet metal bending and forming operations (HBU48-16 is a heavy-

duty bench brake suitable for box & pan or straight-bending to 16 ga. mild steel).

- Removable apron angle & apron insert permit 1/4" reverse bends in lighter materials
- Upper leaf & nose bar w/wide range adjustment for radius bending
- All-steel welded construction, readily adjustable w/bronze bearings at pivot points
- Rugged, dependable & USA made

Min. reverse bend: HBU48-16; U48-22 1/4"; 5/16".

Min. flange bend: HBU48-16; U48-22 1"; 3/8". Finger widths 2", 3" & 4".

**Includes** apron stop rod (for repeat bends), extension handles & counterweight.

**Shown w/stands, sold separately.**

**16 Gauge** Max. box depth 4". Max. lift of beam 1-1/4". Beam adjustment front to rear 5/8". Size 65"L x 22"W x 25"H.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>892815</b>	HBU48-16	16 ga. x 48-1/4"L	<b>\$1,876.00</b>

**22 Gauge** Max. box depth 3". Max. lift of beam 7/8". Beam adjustment front to rear 1/4". Size 59"L x 16"W x 20"H.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>892850</b>	U48-22	22 ga. x 48-1/4"L	<b>\$1,146.00</b>

**Steel Stand** For HBU48-16 & U48-22.

Stk.	Mfr.	Price
<b>892812</b>	MODEL48STAND	<b>\$339.00</b>

### Bench Model Box & Pan Brake

**J E T** Receive greater range of applications with these bench model box and pan brakes. With fingers installed, use units as a full-length nose bar, turning it into a straight-bending brake.

- All-welded steel plate body



- Heavy-duty truss rods & braces
- Removable sectioned fingers for box bending & forming operations

Min. reverse bend: 1/2". Min. flange bend: 1".

Finger widths 5@2", 6@3" & 5@4".

Max. box depth 3". Max. lift of beam 7/8".

Beam adjustment front to rear 1/8". Size 61"L x 21"W x 28"H.

**Includes** 16 asst. size fingers (5@2", 6@3", 5@4"), nose radius 1/32", nose angle 45°.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>485706</b>	BP-1648H	16 ga. x 48"L	<b>\$1,446.00</b>

**Brake Stand J E T** Steel stand for use with models BP-1648, BP-2248, HB-1648H & HB-2248H.

Stk.	Mfr.	Price
<b>485741</b>	S-48N	<b>\$396.00</b>

### Bending Brake



**Roper Whitney** All-steel construction with bronze bushings at points of wear.

Length of bend 48-1/4".

Capacity mild steel 22 ga. Flange full L. 3/8".

Max. lift of beam 7/8".

Min. reverse bend 5/16". Finger widths 2", 3", 4".

Max. depth of box 3".

Stk.	Mfr.	Price
<b>170268</b>	U422	<b>\$1,482.00</b>

### Steel stand

Stk.	Mfr.	Price
<b>170335</b>	239005012	<b>\$320.00</b>

### Finger Brake



**Di-Acro** Finger brakes lend versatility and accuracy to the forming of angles, channels, flanges, "Vees" and box parts with speed and precision. Readily adaptable for prototyping and production runs on many intricate and special shapes in sheet metal.

- Adjustable to enable precision bending by compensating for material thickness & hardness
- Box finger segments enable operator to form boxes from 3/4" up to full width capacity of machine in increments as small as 1/4"
- Fingers made from brake die steel with zero radius

Min. reverse bend 1/4". Clearance through top opening 1".

Max. depth of box or pan 3". Min. reverse bend 1/4".

Max. angle bend 135° (1 operation). Max. back ga. adjustment 24".

**24"W** Space requirements 38"W x 37"D x 60"H (including optional floor stand). Weight 350 lbs. (shipping) **Includes** 2 of ea. 3/4" box fingers, 1" box fingers, 1-1/4" box fingers, 3" box fingers & 6" box fingers.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>325675</b>	8347820-080	16 ga. x 24"W	<b>\$4,935.00</b>

**36"W** Space requirements 49"W x 38"D x 47"H (including optional floor stand). Weight 500 lbs. (shipping) **Includes** 2 of ea. 3/4" box fingers, 1" box fingers, 1-1/4" box fingers, 3" box fingers, 6" box fingers, plus 2 adjustable stops & quik-set micrometer back gauge.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>326077</b>	8348820-080	16 ga. x 36"W	<b>\$6,048.00</b>

### Finger Brake Stand Di-Acro

**Model 36** Steel stand for Finger Brake Mfr. 8348820-080. Size 48"W x 15"D x 33-1/4"H. **Includes** fasteners to attach finger brake to stand.

Stk.	Mfr.	Price
<b>326211</b>	8348110-900	<b>\$681.00</b>

**Model 24** Steel stand for Finger Brake Mfr. 8347820-080. Size 38"W x 15"D x 33-1/4"H. **Includes** fasteners to attach finger brake to stand.

Stk.	Mfr.	Price
<b>325876</b>	8346110-900	<b>\$615.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*





### Adjustable Bar Folders

**Roper Whitney** Versatile, adjustable machine performs many essential sheet metal operations using one motion to clamp and fold. For "S" clips and drive cleats, forming sharp locks on edges of

sheet metal for double seam, open locks for wired edges, flanges of various degrees, plus single or double hems.

**Includes** quick set back gauge.

**20 Gauge** Max folding 36"L, 3/8" dia. Gauging range 1/8" - 1-1/4". Size 50"L x 30"W.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>976400</b>	055	20 ga.	<b>\$5,220.00</b>

**22 Gauge** Max folding 30"L, 1/4" dia. Gauging range 1/8" - 1". Size 42"L x 26"W.

<b>976410</b>	63	22 ga.	<b>\$3,712.00</b>
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**Stand Roper Whitney** Steel stand for Mfr.'s 055 & 381.

<b>974020</b>	239006007	<b>\$612.00</b>
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**Stand Roper Whitney** Steel stand for Mfr.'s 63 & PX-24.

<b>972345</b>	239006006	<b>\$558.00</b>
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### Shear, Brake & Roll Machines

**J E T** Receive 3 separate functions in 1 compact machine with these machines that offer right or left-hand operation for mild steel, aluminum, brass, copper, lead, plastic and zinc.

- Brake is equipped w/easily removable fingers for angle, channel, box & other complex bending operations

- Precision-turned & ground slip rolls w/wire grooves (1/8", 3/16", 1/4")

**Includes** set of male dies, 1 female die, dual-edge shear blade, spring-loaded work hold down & back gauge.

**30"L** Slip roll 30"L x 1-1/2"W. Min. form radius 3/4". Size 42-1/2"L x 21-1/2"W x 28"H. Weight 320 lbs. **Includes** the above, plus 1, 2, 3, 6, 8, 10 width upper dies, 4-3/8" H.

Stk.	Mfr.	Shear, Bend, Roll Capacity	Price
<b>485811</b>	SBR-30M	20 ga. x 30"L	<b>\$1,197.00</b>

**40"L** Slip roll 40"L x 1-5/8"W. Min. form radius 1". Size 58"L x 22"W x 33"H. Weight 575 lbs. **Includes** the above, plus 1, 1-1/2, 2, 2-1/2, 4, 7, 10, 14-7/8 width upper dies, 3-3/8" H.

<b>485812</b>	SBR-40M	20 ga. x 40"L	<b>\$1,890.00</b>
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**Steel Stand for SBR-30M**

<b>485795</b>	S-30N	<b>\$265.00</b>
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**Steel Stand for SBR-40M**

<b>485796</b>	S-40N	<b>\$399.00</b>
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### Slip Roll Machine

**Pexto** A lift-type slip roll former that leaves the operator's hands free to feed and remove work.

Max. form length 36". Min. form radius 3". Rolls 2 @ 2". Wire grooves 3/16", 1/4", 5/16". Size 55"L x 11"W x 15"H. Weight 245 lbs.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>973953</b>	381	22 ga.	<b>\$1,358.00</b>

**Floor Mount Stand Roper Whitney** Steel stand for Mfr.'s 055 & 381.

Stk.	Mfr.	Price
<b>974020</b>	239006007	<b>\$612.00</b>



### Slip Roll Machines

**Tennsmith** SR series slip rolls combine precision-turned, ground and polished, high-carbon steel rolls with heavy-duty, cast iron end frames and welded steel base to make an accurate, durable forming tool. Large roll adjusting screws, scales (for speeding repeat set-up) and front-mounted handle (to lift upper roll for material removal).

**Shown w/stand, sold separately.**

**20 Gauge** Max. form length 24". Min. form radius 1". Rolls 3 @ 2". Wire grooves 3/16", 1/4", 5/16". Size 42"L x 11"W x 22"H. Weight 190 lbs.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>892830</b>	SR24	20 ga.	<b>\$999.00</b>

**22 Gauge** Max. form length 36". Min. form radius 1". Rolls 3 @ 2". Wire grooves 3/16", 1/4", 5/16". Size 54"L x 11"W x 22"H. Weight 250 lbs.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>892832</b>	SR36	22 ga.	<b>\$1,146.00</b>

**Steel Stand for SR24**

<b>892831</b>	SR24-STAND	<b>\$396.00</b>
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**Steel Stand for SR36**

<b>892833</b>	SR36-STAND	<b>\$454.00</b>
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### Bench Slip Roll Machines

**J E T** For industrial, educational and vocational shops. Precision-turned carbon steel rolls are ground and polished. Large roll adjusting screws for lifting upper roll for easy material removal.

**16 Ga.** Max. form length 50". Min. form radius 2". Rolls 3 @ 3". Wire grooves 1/4", 5/16", 3/8". Size 68"L x 22"W x 24"H. Weight 512 lbs.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>485763</b>	SR-1650M	16 ga.	<b>\$1,928.00</b>

**20 Ga.** Max. form length 24". Min. form radius 1". Rolls 3 @ 2". Wire grooves 3/16", 1/4", 5/16". Size 37"L x 17"W x 17"H. Weight 172 lbs.

<b>485762</b>	SR-2024M	20 ga.	<b>\$695.00</b>
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### Electric Slip Roll

**J E T** Rugged frame and base ensure that hardened polished, high-carbon steel rolls deliver smooth, even results. All electrical and rotating parts are designed to enhance operator safety. Easy setup and operation.

- Ideal for sheet metal forming in HVAC & FAB shops
- Roll drive controlled by foot pedal for immediate forward & reverse
- Forming roll has position scale for equal pressure adjustment
- Convenient foot-control assembly with emergency-button
- Safety brake
- Big handwheels for easy adjustments

230/460V (prewired 230V), 1 HP, 3 Phase. Max. form length 50". Min. form radius 2". Rolls 3 @ 3". Wire grooves 5/16", 3/8", 1/2". Size 65"L x 20" x 36"H. Weight 877 lbs.

Stk.	Mfr.	Capacity Mild Steel	Price
<b>486129</b>	ESR-1650-3T	16 ga.	<b>\$4,050.00</b>



**Notcher**

**Tennsmith** Model 16-18 is a versatile, heavy-duty bench tool for shearing, notching and piercing work. Heavy cast iron construction allows notcher to side shear 6" of material (to its rated capacity). Throat behind the upper ram is beveled on 1 side to permit long strips of material to pass without restriction.

- Notches 90°+ can be done in 2 operations
- Reverse upper blades for "nose to heel" cutting
- 2 set screws control ram stroke permitting limited throat piercing & knockout operations

Max. Capacity Mild Steel: Notching 16 ga., Piercing 18 ga.  
Notch size 6" x 6" x 90°. Size 19"L x 18"W x 15"H. Weight 170 lbs.

**Includes** front gauges & large surface, ground work table w/inlaid scales.

Stk.	Mfr.	Price
<b>892800</b>	16-18	<b>\$1,146.00</b>

**Steel Stand**

<b>892801</b>	16-18-STAND	<b>\$425.00</b>
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**Sheet Metal Notcher**

**Baileigh** High quality cast iron sheet metal notcher is ideal for any sheet metal shop. Cutting angle is fixed at 90° and notches up to 6" x 6" in one manual stroke. Finished notches have extremely clean and burr-free edges. Easily moved from jobsite to jobsite. Adjustable guides allow for repeatable notches.

Max. capacity mild steel: Notching 16 ga.  
Notch size 6" x 6" x 90°. Stroke length: 3/4".  
Table size 18" x 12".  
Tool size 60"L x 44"W x 48"H (shipping).  
Tool weight 275 lbs. (shipping).

**Includes** blade guard & sturdy floor stand.



Stk.	Mfr.	Price
<b>222650</b>	SN-FI 6-HN	<b>\$1,005.00</b>

**Manual Rotary Machines**

**Tennsmith**



**24 Gauge** Solid cast machine provides simultaneous crimping and beading on 24 ga. and lighter materials. Included spacer collars allow for crimp only operations. **Includes** ogee bead & crimping rolls & spacer collars, hand crank, spanner & bench stand.

Stk.	Mfr.	Distance Between Shaft Centers	Price
<b>892822</b>	R24	1-3/4"	<b>\$1,120.00</b>

**22 Gauge** Sturdy solid cast, enclosed frame with smooth meshing machine gears. Material can be fed through the rolls in either direction by selecting the proper arbor. Top crank controls forming roll pressure. **Includes** 6 asst. rolls (for various sheet metal operations) hand crank, spanner & bench stand.

<b>892820</b>	R22	7"D	2"	<b>\$1,178.00</b>
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**Deep Throat Combination Rotary Machine**

**Pexto** Simply changing the rolls allows this machine to perform turning, burring, wiring, elbow edging, flanging and flattening operations. It may be operated from left or right, both with a clockwise rotation of the handle. Deep throat for additional forming capabilities, such as furnace collar edging.

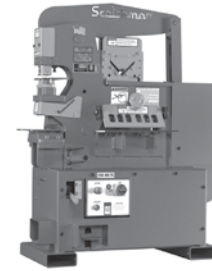
**Includes** set of 4 rolls & gauges (standard, curved & throat), plus a clamp-on offset base.

Stk.	Mfr.	Capacity	Throat	Distance Between Shaft Centers	Price
<b>974422</b>	622	24 ga.	7"	2"	<b>\$1,194.00</b>

**50-Ton Ironworker Punch Stations**

**Scotchman** Single operator, 5-station metal-working machine with 6" throat. In addition to punching, machine cuts flats/angles, plus notches rounds/rectangles.

- Keyed punch ram for safety
- Adjustable stroke control
- Tool table work area
- Electrical box w/emergency palm button & lock-out tag-out



- Punch nut w/wrench & stripper
- Forklift accommodations
- Mfr.'s 3-yr. warranty
- Meets ANSI Standard BI 1-5
- 65,000 psi tensile, 36 mild steel rated
- USA made

Punching capacity 1-1/4" in 1/2" & 13/16" in 3/4".  
Notching capacity 2-1/2" x 2-3/4" x 3/8".  
Pipe notcher (Schedule 40) 3/4", 1", 1-1/4", 1-1/2", 2".  
Shear: flat bar 1/4" x 14" & 3/4" x 4", round 1", square 3/4".  
Speed 17/40 spm. Throat 6". Max. punch 1-1/4".  
Hydraulics 2,100 psi.  
Size 29"W x 47"L x 59"H. Weight 1,275 lbs.

**Includes** 2" die holder, 4" angle shear, 14" flat bar shear w/4-way reversible blade, punch ram, punch nut w/wrench & stripper, round punch & die (1" dia.) & safety electrical box.

**1 Phase**

Stk.	Mfr.	Volts	HP	Price
<b>772001</b>	50514-CM-1PH	230	5	<b>\$10,070.00</b>

**3 Phase** Please specify voltage.

Stk.	Mfr.	Volts	HP	Price
<b>772000</b>	50514-CM-3PH	230	3	<b>\$9,627.00</b>

**Round Punch & Die Set** #20 punch & die package (5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1".

<b>772002</b>	2505			<b>\$384.00</b>
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**“ Do you have a specific purchasing process? ”**

Sarah Cruz ext. 3120  
scruz@midwesttechnology.com



#### 40 & 45-Ton Ironworkers

**MetalPro** Perform jobs that machines costing 4x as much can do - just as fast and accurately. All-in-1 "Fabrication Shop" performs punching, shearing, notching, bending, forming and pressing work. Makes quick, accurate work of fabrication projects since it performs all of the operations to produce the components needed. Easily handles a wide variety of professional, industrial and farm production jobs.

- Plugs into standard 110V, 20A outlet
- Power cavity w/3-in-1 shear
- Delivers versatility w/the base machine & optional accessories
- 2" die holder, punch retaining nut & stripper
- 65,000 psi tensile strength rated
- Meets ANSI Standard BI I-5, UL approved
- Meets American national safety standards for Ironworkers

Notcher capacity 1-3/4" x 2" x 1/4". Pipe notcher (Schedule 40) 1/2", 3/4", 1", 1-1/4", 1-1/2", 2". Shear: rod 3/4", square 5/8". Hydraulics 2,500 psi.

#### 40-Ton Throat 3-3/4"D. Max. punch 1".

Flat bar 3/8" x 4" & 1/4" x 6", angle 1/4" x 3" x 3". Brake 8"W x 1/4"T. Size 24"W x 30"L x 55-1/4"H. Weight 410 lbs.

Stk.	Mfr.	Volts	HP	Speed (spm)	Price
<b>535400</b>	MP4000	110	3/4	4-6	<b>\$3,622.00</b>

#### 45-Ton Throat 3-3/4"D. Max. punch 2".

Flat bar 3/8" x 6" & 1/4" x 8", angle 1/4" x 4" x 4". Brake 12"W x 1/4"T. Size 24"W x 37"L x 55-1/4"H. Weight 550 lbs.

Stk.	Mfr.	Volts	HP	Speed (spm)	Price
<b>535415</b>	MP4500FS	110	1-1/2	6-8	<b>\$5,602.00</b>

#### 40 & 45-Ton Accessories MetalPro

**Brake Attachment** Takes only a minute to bolt into the power cavity. Bends shapes up to 1/4"T w/20 tons (25 tons for MP4510) of pressing power.

Stk.	Mfr.	Item	Price
<b>535405</b>	MP4110	8" brake for MP4000	<b>\$696.00</b>
<b>535416</b>	MP4510	12" brake for MP4500FS	<b>\$944.00</b>

**Heavy-duty Notcher** Makes 1/4" x 1-3/4" x 2" notches. Easily bolts into the punch station after removing the stripper & die holder.

<b>535410</b>	MP4120		<b>\$696.00</b>
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**Pipe Notcher Housing** Housing notches up to 2" pipe, scheduled.

<b>535411</b>	MP4150		<b>\$272.00</b>
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#### Die Sets

<b>535420</b>	MP4151	1/2"	<b>\$509.00</b>
<b>535421</b>	MP4152	3/4"	<b>\$509.00</b>
<b>535422</b>	MP4153	1"	<b>\$509.00</b>
<b>535423</b>	MP4154	1-1/4"	<b>\$509.00</b>
<b>535424</b>	MP4155	1-1/2"	<b>\$509.00</b>
<b>535425</b>	MP4156	2"	<b>\$509.00</b>

**Round Punch & Die Sets** Heat-treated, ground tool steel with 1/32" die clearance. Each set includes only 1 size. Sizes to choose from are 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1". Please specify size.

<b>535412</b>	MP8		<b>\$56.00</b>
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**5-Piece Round Punch & Die Sets** 1/4", 3/8", 1/2", 5/8" & 3/4".

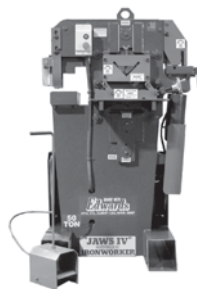
<b>535402</b>	MP4140		<b>\$230.00</b>
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**8-Piece Round Punch & Die Sets** 9/32", 11/32", 13/32", 15/32", 17/32", 19/32", 21/32" & 23/32".

Stk.	Mfr.	Item	Price
<b>535403</b>	MP4142		<b>\$391.00</b>

**8-Piece Round Punch & Die Sets** 25/32", 13/16", 27/32", 7/8", 29/32", 15/16", 31/32" & 1".

<b>535404</b>	MP4144		<b>\$391.00</b>
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#### Jaws IV 50-Ton Ironworkers

**Edwards** Receive direct drive from motor to pump without troublesome belts. This wide mouth modular hydraulic metalworking machine with 7" throat performs 4 big jobs: cuts both flats and angles, plus punches and notches.

- Insulated for quiet operation
- Flat bar shear blades installed, low rake
- Angle shear blades installed
- Fully guarded
- Pipe coupling welded to back side for optional back gauge
- Hydraulic system fully charged, ready to operate
- Threaded table holes for jigs
- Adjustable steel punch strippers
- Slots for gauging feed tables
- Remote foot pedal operation
- Integral lifting lug for instant portability
- Fast adjusting hold-down bars
- Comfortable working heights
- Direct drive pump
- 1-yr. mfr.'s warranty

Coping/notching capacity 5/16" x 2" x 3".

Pipe notcher: (Schedule 40) 1/2" to 2", copper (optional) 2" x 3" x 5/16", angle 3/8" x 3" x 3" & 1/4" x 4" x 4".

Shear: flat bar 1/2" x 10" & 3/4" x 4", round 1", square 1". Speed 2,850 spm. Throat 7". Max. punch 1-1/16". Hydraulics 2,200 psi.

Size 30-1/4"W x 30-1/4"L x 62"H. Weight (shipping) 1,400 lbs.

**Includes** motor & pump, 17/32" round punch & die set, angle iron blades, flat, round shear blades & notcher.

#### 1 Phase

Stk.	Mfr.	Volts	HP	Price
<b>380560</b>	IW50-IP230	220	3	<b>\$11,343.00</b>

#### 3 Phase

Stk.	Mfr.	Volts	HP	Price
<b>380565</b>	IW50-3P230	220	3	<b>\$11,725.00</b>

**Round Punch & Die Set** Tool steel with 1/32" die clearance. Each set includes only 1 size. Sizes to choose from are 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32", 13/16", 27/32", 7/8", 29/32", 15/16", 31/32", 1", 1-1/32", 1-1/16".

<b>380600</b>	RPD-1			<b>\$44.80</b>
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## SHEARS



#### 10 Gauge Hand Shear

**Makita** Powerful 6.2 amp motor delivers 1,600 SPM to complete the most demanding applications.

- Less noise at 81 dB(A) for continuous operation
  - Lock-on switch for continuous operation
  - Built-in thickness gauge
  - Large, easily replaceable blades w/8 cutting edges each
  - Engineered to cut w/out material loss in kerf typically associated w/nibblers
  - Highly visible line-of-sight for precise pattern following
  - Engineered for cutting sheet metal & metal decking
- Capacities 9 ga. aluminum, 10 ga. mild steel, 13 ga. stainless. Tool size 8-3/8"L. Weight 7.4 lbs.

**Includes** hex wrench, shear blade set & thickness gauge.

Stk.	Mfr.	Volts	Amps	Speed (spm)	Min. Radius	Price
<b>511371</b>	JS3201	120	6.2	1,600	2"	<b>\$588.00</b>



### 16 Gauge Hand Shear

**BOSCH** Low vibration for operator comfort and precise control.

- Visible blade allows precise pattern cutting
- Upper/lower blades can be rotated 4 x 90° for new sharp edge, extending blade life
- Steel deflector shield for hand protection
- Easy blade adjustment when switching material thickness

Capacities: 16 ga. mild steel, 20 ga. stainless, 14 ga. aluminum.  
Tool weight 4.6 lbs.

**Includes** upper/lower blades, feeler gauge, 3mm Allen wrench, steel deflector.

Stk.	Mfr.	Volts	Amps	Speed (spm)	Min. Radius	Price
<b>259806</b>	I500C	120	4.2	5,000	7/8"	<b>\$437.00</b>



### 18 Gauge Hand Shear

**Milwaukee** 6.8 amp motor and 360° swivel head combine for a powerful, yet flexible cutting tool. Lightweight, heavy-duty magnesium gear case. Double insulated shear with locking trigger switch. Ergonomic, tactile grip handle.

Capacities: 18 ga. steel, 20 ga. stainless.  
Tool size 12-1/4"L & 4.1 lbs.

**Includes** 10' flexible runner cord & wrench.

Stk.	Mfr.	Volts	Amps	Speed (spm)	Min. Radius	Price
<b>576182</b>	6852-20	120	6.8	0-2,500	7"	<b>\$229.00</b>

### Hand Shear

**Di-Acro** Hand shear offers precision shearing at an economical price. Utilizing overdriven leverage, it is ideal for use on light and medium weight sheet metal, plastics, rubber, fabric, leather, synthetics, dielectrics and various other materials. Well suited to prototype shops and short run production operations.

**Includes** combination material hold-down bar & safety guard, side squaring gauge, reversible protractor gauge, quik-set micrometer back gauge, adjustable stops, set of 4-edged HCHC toolsteel blades, ruled steel guides, adjustable protractor gauge & 2 blades stops.

Stk.	Mfr.	Capacity Mild Steel	Shearing Length	Price
<b>325541</b>	8231800-080	16 ga.	12"	<b>\$3,208.00</b>
<b>325809</b>	8241800-080	16 ga.	24"	<b>\$3,701.00</b>

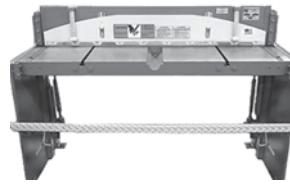
### Hand Shear Stand Di-Acro

**Model 12** Steel stand for Hand Shear Mfr. 8230110-900. Size 20"W x 15"D x 33-1/4"H. **Includes** fasteners to attach shear to stand.

Stk.	Mfr.	Price
<b>325608</b>	8230110-900	<b>\$615.00</b>

**Model 24** Steel stand for Hand Shear Mfr. 8346110-900. Size 38"W x 15"D x 33-1/4"H. **Includes** fasteners to attach shear to stand.

Stk.	Mfr.	Price
<b>326010</b>	8346110-900	<b>\$615.00</b>



### Foot Shear

**Pexto** Triple-action shearing including relief on both edges of this shear's fixed and moving blades.

- Eliminates blade-to-blade friction & sheet movement under shearing stress
- Double penetration cutting

Capacity mild steel 16 ga. Back/Front gauge 25"/30".

Gauge in position 60" x 76".

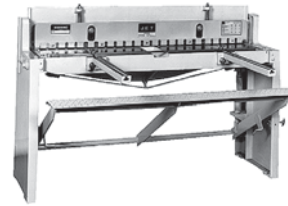
Size 60"L x 34"W x 42"H. Weight 1,000 lbs.

**Includes** well guard, treadle stop & fingerguard.

Stk.	Mfr.	Shearing Length	Price
<b>973571</b>	I52M	52"	<b>\$4,402.00</b>

**Accessory Package Includes** front gauge, bevel gauge, T-bolts & front arms.

<b>973572</b>	I35003521		<b>\$774.00</b>
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### 16 Gauge Foot Shear

**J E T** For precision shearing of mild steel (up to 16 ga.), aluminum, brass, copper, lead, plastic and zinc. 2-way blade configuration provides 2x longer cutting life (upper blade 2-way; bottom blade 1-way). 2° cutting edge, 1° face relief. 2-yr. mfr.'s warranty.

Capacity mild steel 16 ga. Back/Front gauge 25.5"/28".

Size 21.25" x 40.5" x 62.5". Weight 1,014 lbs.

**Includes** pair of high-carbon, chrome-steel blades, fingerguards plus front, side & back gauges.

Stk.	Mfr.	Capacity Mild Steel	Shearing Length	Price
<b>486009</b>	FS-1652H	16 ga.	52"	<b>\$2,480.00</b>



### Sheet Metal Foot Shears

**Tennsmith** Foot-powered squaring shears offer precision shearing and rugged construction at an affordable price. Heavy-duty cast iron shear frame, bed and cutterhead assembly. Shear bed is machined and surface ground to precision tolerances ensuring an accurate working surface. Shears feature triaction,

high-carbon high-chromium (HCHC) steel blades to prevent material movement while shearing, prolonging blade life. Upper/lower blades have a 2° edge relief for maximum material penetration with minimum effort.

- Bed-adjusted lower shear blade
- Upper blade adjustments w/cutterhead's truss bar
- Spring-activated hold-down feet clamp secures workpiece & easily adjusts holding pressure for light or heavy-gauge material
- Double-locking back gauge w/embossed scales & vernier wheels provide fine adjustments & highly-accurate readings
- Ample clearance between the hold-down feet & shear blades for line-of-sight cutting
- USA made
- 3-yr. mfr.'s warranty

Capacity: mild steel 16 ga., stainless steel 20 ga. Back/Front gauge 30"/37".

Size & weight: (36) 46-1/2"L x 27"W x 42"H & 700 lbs.,

(52) 61"L x 36"W x 42"H & 950 lbs.

Stk.	Mfr.	Shearing Length	Size (Ga. in Position)	Price
<b>892805</b>	36	37"	45" x 80"	<b>\$2,752.00</b>
<b>892808</b>	52	52-1/4"	60" x 80"	<b>\$3,432.00</b>

**CAN'T FIND IT?**

Call us at 800-831-5904.



### 16 Gauge Pneumatic Shear

**JET** High-quality, cast iron grade frame eliminates deflection across the blade span and blade framework. Features a low-cutting angle to cut narrow strips without twisting.

- Precise bed & beam alignment assures accuracy

- Working bed adjusts for correct set-up for blade clearance
- Complete pneumatic control system set
- 2-yr. mfr.'s warranty

Capacity: mild steel 16 ga., stainless steel 18 ga., aluminum & copper 12-14 ga. Back/Front gauge 25.5"/28". Full-length shearing 40 spm. Air consumption 25.3 cfm (1.3 cfm per stroke). Size & weight 60"L x 24"W x 43"H & 1,830 lbs.

**Includes** pair of high-carbon, chrome-steel blades, foot control, finger-guards plus front, side & back gauges.

Stk.	Mfr.	Shearing Length	Price
<b>486126</b>	PS-1652T	52"	<b>\$5,336.00</b>



### Multi-Purpose Manual Sheet Metal Shears

**Baileigh** Bench mounted multi-purpose manual shear. Perfect for small fabrication shops. Uses a gear system (MPS-8G) or leverage system (MPS-12) connected to the pull down handle for more efficiency allowing .236" mild steel to be cut with ease.

- Rigid construction
- Multi-edge blades for increased productivity

- Spring-assisted action for increased leverage

Capacity Mild Steel: Sheet .236", Round .5", Flat 2.75" x .236". Weight 42 lbs. (MPS-8G), 62 lbs. (MPS-12).

**Includes** adjustable material hold down.

Stk.	Mfr.	Blade	Price
<b>222600</b>	MPS-8G	8"L	<b>\$332.00</b>
<b>222605</b>	MPS-12	12"L	<b>\$403.00</b>



### Mini Shear/Brake Combination Machine

**Baileigh** Perfect for small projects. Combination manual shear has a 18 ga. aluminum maximum capacity and a 20 ga. copper/brass maximum capacity. Shear/brake has an 8" bed width with 7-7/8" blades for shear and brake.

- 90° max. bend angle for making corners
- Built to last for years of use

Shear/bending capacity 20 ga. Max. cutting 7-7/8".

Tool size 20"L x 13"W x 7"H (shipping). Tool weight 27 lbs. (shipping).

**Includes** back gauge.

Stk.	Mfr.	Price
<b>222640</b>	SB-8	<b>\$257.00</b>

## HAND TOOLS



### Hand Seamer

**Pexto** For all metal seaming work.

Stk.	Mfr.	Jaw Depth	Jaw Width	Overall Length	Price
<b>974556</b>	793	1/4"-1"	3-1/2"	8"	<b>\$88.40</b>



### Straight Handle Hand Seamer

**Wiss** Non-slip cushion grips for superior control. 1/4" depth markings.

Stk.	Mfr.	Jaw Depth	Jaw Width	Overall Length	Price
<b>306990</b>	WS3	1/4"-1-1/4"	3-1/4"	9"	<b>\$47.90</b>



### Offset Handle Hand Seamer

**Wiss** Ideal for bending and flattening sheet metal in confined areas. Optimal handle span for maximum power and comfortable operating range. 1/4" depth markings. Non-slip cushion grip.

Stk.	Mfr.	Jaw Depth	Jaw Width	Overall Length	Price
<b>306991</b>	WS4	1/4"-1-1/4"	3-1/4"	9"	<b>\$51.20</b>



### Metal Punch Set

**Roper Whitney** This easy-to-handle punch includes 7 punch heads, 7 die heads and a molded plastic case.

Throat 1-3/4". Capacity 16 ga.

**Includes** 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32" punches & dies.

Stk.	Mfr.	Size	Price
<b>970938</b>	135010050		<b>\$114.00</b>

### Metal Punches

Stk.	Mfr.	Size	Price
<b>971541</b>	300050094	3/32"	<b>\$11.20</b>
<b>971876</b>	300050125	1/8"	<b>\$11.20</b>
<b>971608</b>	300050156	5/32"	<b>\$11.20</b>
<b>971809</b>	300050188	3/16"	<b>\$11.20</b>
<b>971675</b>	300050219	7/32"	<b>\$11.20</b>
<b>971943</b>	300050250	1/4"	<b>\$11.20</b>
<b>971742</b>	300050281	9/32"	<b>\$11.20</b>

### Metal Dies

Stk.	Mfr.	Size	Price
<b>971072</b>	310050094	3/32"	<b>\$11.20</b>
<b>971407</b>	310050125	1/8"	<b>\$11.20</b>
<b>971139</b>	310050156	5/32"	<b>\$11.20</b>
<b>971340</b>	310050188	3/16"	<b>\$11.20</b>
<b>971206</b>	310050219	7/32"	<b>\$11.20</b>
<b>971474</b>	310050250	1/4"	<b>\$11.20</b>
<b>971273</b>	310050281	9/32"	<b>\$11.20</b>

**Bench Mounting Base** Punch is held by an L-shaped clamp rod, through a 7/16" or larger hole in the bench top. Swivel base to any position.

Stk.	Mfr.	Size	Price
<b>971005</b>	139010050		<b>\$41.80</b>



### Hand Crimper

**Wiss** 5-blade hand crimper. Crimps male fitting end to connect guttering, downspouts or metal pipe. Optimal handle span for maximum power and comfortable operating range. Non-slip cushion grip handle.

Stk.	Mfr.	Throat	Overall Length	Price
<b>306993</b>	WC55	1-1/4"	9-3/4"	<b>\$30.10</b>



### Hand Notcher No. 540 Series

**Roper Whitney** Designed for notching or coping angle iron.

Capacity 20 ga. mild steel.

Stk.	Mfr.	Type	Throat	Overall Length	Price
<b>974214</b>	541	90°	1"	9"	<b>\$203.00</b>
<b>974217</b>	542	45°	1"	9"	<b>\$217.00</b>



### Hand Notcher No. 141

**Roper Whitney** Designed for making a fast, accurate notch in sheet metal. Hook design of spring-return jaws permits notching to the exact desired depth without slippage and with minimum effort.

Capacity 20 ga. mild steel.

Stk.	Mfr.	Type	Throat	Overall Length	Price
<b>973551</b>	141	32°	13/16"	9"	<b>\$114.00</b>



### Hand Notcher

**Wiss** Makes 30° V-shaped cut in sheet metal. Makes a clean notch without slipping at corners and take-off tabs. Non-slip cushion grips for superior comfort and control.

Capacity 20 ga. mild steel.

Stk.	Mfr.	Type	Throat	Overall Length	Price
<b>306992</b>	WHNI	30°	13/16"	8-3/4"	<b>\$46.40</b>



### Stakes

**Roper Whitney** A variety of forged steel sheet metal forming stakes. These tools are invaluable for the sheet metal craftsman.

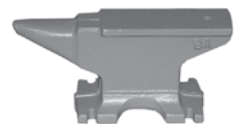
Stk.	Mfr.	Description	Size	Price
<b>974824</b>	921	Double Seaming	12" x 17"	<b>\$691.00</b>
<b>974958</b>	925	Blowhorn	18" x 19"	<b>\$638.00</b>
<b>975025</b>	927	Creasing Steak w/Horn	6-3/4" x 12"	<b>\$522.00</b>
<b>975092</b>	932	Bevel Edge Square	2-1/2" x 4-1/2"	<b>\$343.00</b>
<b>975293</b>	943	Hatchet	13"	<b>\$331.00</b>
<b>975561</b>	957	Needle Case	10-1/2" x 8"	<b>\$435.00</b>



### Bench Plate or Stake Holder

**Roper Whitney** Cast iron, machined face-plates.

Stk.	Mfr.	Size	Price
<b>975963</b>	981	37-1/2" x 8"	<b>\$1,291.00</b>
<b>976030</b>	982	30" x 8"	<b>\$928.00</b>



### Anvils

**Milwaukee Tool** Solid cast steel, machined anvils are heat-treated and tempered. This reduces strain as the softer inner body absorbs impact blows through the hardened surface. Ideal for metalworking, loosening fittings and more.

Meets Federal Specifications: **GGG-A-576BType I (\*except 8 lbs.)**.

Stk.	Mfr.	Size	Price
<b>577700</b>	8CI	8 lbs.*	<b>\$95.00</b>
<b>577701</b>	55CI	55 lbs.	<b>\$392.00</b>
<b>577702</b>	65CI	65 lbs.	<b>\$466.00</b>
<b>577703</b>	85CI	85 lbs.	<b>\$581.00</b>



### Brass Interlocking Stencils

**Young Bros.** Adjustable and interlocking Gothic style characters for horizontal composition. Stencils adjust quickly for perfect character alignment, spacing, and clean, bold characters.

**33-Piece Letter Sets** Contains letters A-Z & I beginner, I letter ender, I space, I period, I comma & I dash.

Stk.	Mfr.	Size	Price
<b>443134</b>	01338	1"	<b>\$30.70</b>
<b>443201</b>	02338	2"	<b>\$47.20</b>

**15-Piece Figure Sets** Contains figures 1-9, 0,0 & I beginner, I figure ender, I period & I dash.

Stk.	Mfr.	Size	Price
<b>443000</b>	01158	1"	<b>\$14.80</b>
<b>443067</b>	02158	2"	<b>\$23.60</b>

### Steel Letter & Figure Stamp Sets

**Young Bros.** A complete set of machine-made Gothic style letters (A-Z & I period) or figures (0-9), furnished in a wooden box with lid.



### Figure Sets

Stk.	Mfr.	Size	Price
<b>986000</b>	03091	1/8"	<b>\$21.70</b>
<b>986134</b>	05091	3/16"	<b>\$27.10</b>
<b>986268</b>	06091	1/4"	<b>\$32.40</b>

### Letter Sets

Stk.	Mfr.	Size	Price
<b>986067</b>	03271	1/8"	<b>\$65.10</b>
<b>986201</b>	05271	3/16"	<b>\$81.20</b>
<b>986335</b>	06271	1/4"	<b>\$97.20</b>

### Letter & Figure Sets

Stk.	Mfr.	Size	Price
<b>986072</b>	03361	1/8"	<b>\$80.10</b>
<b>986208</b>	05361	3/16"	<b>\$101.00</b>
<b>986340</b>	06361	1/4"	<b>\$120.00</b>

## SNIPS



### MultiMaster® Snips

**Wiss** Combine the long cut of tinner's snips with the strength of compound action and increase force of the hand by 5 times. Great for making long, fast cuts in paper, plastic, sheet metal, aluminum, vinyl siding, screening and more. Nonslip, serrated jaws cut up to 20 ga. steel. Comfort textured grips.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307016</b>	M300	3"	10-1/2"	Straight	<b>\$22.60</b>



### Aviation Pattern Snips

**Irwin** Durable hot drop-forged steel blades, precision-ground for strength. Ergonomic ProTouch™ grips provide control, reduced fatigue. Serrated blades assure smoother cuts without double marked edges. Long-life spring. I-hand safety latch is accessible from grips. Cuts up to 18 ga. cold-roll steel, 23 ga. stainless steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>619496</b>	2073111	1-5/16"	10"	Left	<b>\$15.80</b>
<b>619497</b>	2073112	1-5/16"	10"	Right	<b>\$15.80</b>
<b>619498</b>	2073113	1-5/16"	10"	Straight	<b>\$15.80</b>



### Aviation Snips

**Stanley** Cuts up to 18 ga. cold-rolled steel or 23 ga. stainless-steel. Forged chrome molybdenum steel cutting blades for strength, durability & long cutting life. Serrated cutting blades provides a sturdy bite to prevent material from slipping during use. Color-coded, slip-resistant bi-material grip. Mfr.'s. limited lifetime warranty.

**Meets or exceeds ANSI standards.**

Stk.	Mfr.	Overall Length	Type	Price
<b>846810</b>	14-562	12"	Left Cut	<b>\$13.80</b>
<b>846811</b>	14-563	12"	Straight Cut	<b>\$13.80</b>
<b>846812</b>	14-564	12-1/2"	Tight Right Cut	<b>\$13.80</b>



### Metalmaster® Offset Snips

**Wiss** Offset blades keep hands clear of metal. Non-slip serrated jaw of tough molybdenum

steel withstands strain of cutting 18 ga. low-carbon cold rolled steel and tight curves. Spring-action for fast, effortless feed. High tensile strength steel handle with textured comfort grips. Safety latch.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307021</b>	M6R	1-1/4"	9-1/4"	Straight/Left	<b>\$26.10</b>
<b>307022</b>	M7R	1-1/4"	9-1/4"	Straight/Right	<b>\$26.10</b>



### Metalmaster® Vertical Compound Action Snips

**Wiss** Pro Series vertical compound action snips cut up to 22 ga. cold rolled steel with less fatigue. Unique blade design gives greater mechanical advantage. Comfort-grip handles. Locking blade. 4x longer spring life. USA made.

chance. USA made.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307030</b>	M8R	1.7"	8.5"	Straight/Left	<b>\$34.20</b>
<b>307031</b>	M9R	1.7"	8.5"	Straight/Right	<b>\$33.90</b>



### Metalmaster® Snips

**Wiss** Non-slip serrated jaws are made of wear-resistant molybdenum steel. Handles are made of high strength steel with non-slip textured grips and hang hole.

Self-opening action. Safety latch. Left and right cutting styles cut from tight curves to straight.

### Compound Action For cutting up to 18 ga. steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307004</b>	M1R	1-3/8"	9-3/4"	Left	<b>\$22.50</b>
<b>307010</b>	M2R	1-3/8"	9-3/4"	Right	<b>\$22.50</b>
<b>307015</b>	M3R	1-3/8"	9-3/4"	Straight	<b>\$22.50</b>

### Bull Dog For notching or trimming up to 16. ga. heavy steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307020</b>	M5R	7/8"	9-1/4"	Straight	<b>\$27.70</b>

### Special Series For cutting up to 18 ga. exotic steel. Hardened steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>307003</b>	M1RS1	1-3/8"	9-3/4"	Left	<b>\$36.30</b>
<b>307005</b>	M2RS1	1-3/8"	9-3/4"	Right	<b>\$36.30</b>



### Duckbill Circular Cutting Snip

**Wiss** Cut moderately tight curves left or right in light stock as well as straight. Blades of finest hot drop-forged steel, individually hand edged

for maximum cutting. Comfort cushion grip handle.

Stk.	Mfr.	Cutting Length	Overall Length	Price
<b>307205</b>	V-10N	2-1/4"	10-1/4"	<b>\$20.90</b>



### Tinner Snips

**Irwin**

**Flat Blade** Forged of high-quality tool steel. Polished blades are ground for a keen, strong edge that retains its sharpness. Powerful leverage for smooth, even cuts. Cushion-grip handles.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>619100</b>	007	2"	7"	Straight/Wide Curves	<b>\$13.70</b>
<b>619320</b>	010	2-1/4"	10"	Straight/Wide Curves	<b>\$16.00</b>
<b>619415</b>	012	3"	12-3/4"	Straight/Wide Curves	<b>\$20.20</b>

**Duckbill Blade** Hot drop-forged high-carbon steel duckbill (thin) blades are precision-ground for hollow and bow to insure a tight grip on materials and cleaner cuts. Specially heat-treated for uniform blade hardness.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>619488</b>	207	2"	7"	Straight/Tight Curves	<b>\$13.50</b>
<b>619491</b>	210	2-1/4"	10"	Straight/Tight Curves	<b>\$16.50</b>
<b>619493</b>	212	3"	12-3/4"	Straight/Tight Curves	<b>\$20.50</b>



### Straight Pattern Snips

**Wiss** High-quality forged tool steel. Ground polished blades for a keen, strong edge that retains its sharpness. Powerful leverage for smooth, even cuts. Cushion-grip handles.

Stk.	Mfr.	Cutting Length	Overall Length	Price
<b>307536</b>	A-13N	1-1/4"	7"	<b>\$20.40</b>
<b>307268</b>	A-11N	2-1/4"	10"	<b>\$25.10</b>
<b>307187</b>	A-10N	2-1/2"	11"	<b>\$29.60</b>
<b>307134</b>	A-9N	3"	12-1/2"	<b>\$30.20</b>



### Bulldog Pattern Snips

**Wiss** Forged of high-quality tool steel for industrial use. Polished blades are ground for a keen, strong edge that retains its sharpness.

Powerful leverage for smooth, even cuts. Cushion-grip handles.

Stk.	Mfr.	Cutting Length	Overall Length	Price
<b>307024</b>	W-5N	2-1/2"	16-1/2"	<b>\$68.50</b>



### ProTouch™ Offset Snips

**Irwin** Durable hot drop-forged steel blades, precision-ground for strength. Ergonomic

ProTouch™ grips provide control, reduced fatigue. Serrated blades assure smoother cuts without double marked edges. Long-life spring. 1-hand safety latch is accessible from grips. Cuts 18 ga. in cold-rolled steel, 23 ga. in stainless steel.

Stk.	Mfr.	Cutting Length	Overall Length	Type	Price
<b>619501</b>	2073211	1-5/16"	9-1/2"	Left	<b>\$17.70</b>
<b>619502</b>	2073212	1-5/16"	9-1/2"	Right	<b>\$17.70</b>

“Not sure what tool is right for your project or program?”

Dan Goodwin ext. 3104  
dgoodwin@midwesttechnology.com



## RIVET TOOLS



### Rivet Setters

**C.S. Osborne** Use with a hammer or hand riveter. These rivet sets mushroom rivet head to set the rivet. Sets are hardened with polished riveting head surfaces and work iron and copper rivets.

Stk.	Mfr.	Dia.	Copper Rivet	Iron Rivet	Price
<b>614300</b>	169-00	5/16"	N/A	14	<b>\$38.30</b>
<b>614301</b>	169-0	9/32"	5	10,12	<b>\$33.70</b>
<b>614302</b>	169-1	15/64"	6	7, 8	<b>\$29.90</b>
<b>614303</b>	169-2	.213"	7	6	<b>\$29.90</b>
<b>614304</b>	169-3	.191"	8	4, 5	<b>\$29.90</b>
<b>614305</b>	169-4	.166"	9	2-1/2, 3	<b>\$27.90</b>
<b>614306</b>	169-5	.149"	10, 11	1-3/4, 2	<b>\$27.90</b>
<b>614307</b>	169-6	9/64"	12	1-1/2	<b>\$27.90</b>
<b>614308</b>	169-7	1/8"	13	1-1/4	<b>\$27.90</b>
<b>614309</b>	169-8	7/64"	14	10, 12	<b>\$27.90</b>



### MP-3V Air/Hydraulic Riveter

**Marson** Professional-series air/hydraulic riveter is designed to be light weight and well-balanced. Engineered to maximize stroke and pull force with a 3-jaw set. Direct connect or use the attached swivel for added convenience. Supplied with nosepieces to set rivets in all alloys and a

removable swivel air connection line with an air off/on valve built in. Adjustable vacuum system control allows operator to control the force of air needed to hold the rivet in place. Can also operate with the vacuum system turned off.

Stroke: 3/4". Pulling Force: 1,800 lbs. Capacity: 3/32" - 3/16".

**Includes** nosepieces, adjustment service wrenches, hydraulic fluid, fluid applicator, spare jaws & removable swivel air connection line with air on/off valve built in.

Stk.	Mfr.	Operating Pressure	Weight	Price
<b>868417</b>	39045	70-95 psi	2.9 lbs.	<b>\$335.00</b>



### HP-2® Riveter

**Marson** Die-cast high-strength aluminum alloy body has carbon steel upper handle and cushioned vinyl grip.

Sets steel rivets up to 3/16" dia.

**Includes** 4 mounted nosepieces (3/32", 1/8", 5/32", 3/16") & service wrench.

Stk.	Mfr.	Price
<b>868400</b>	39000	<b>\$60.30</b>

**HP-2® Rivetool Kit Includes** HP-2 Rivetool, 200 assorted rivets & molded case.

Stk.	Mfr.	Price
<b>868401</b>	39001	<b>\$65.60</b>



### Medium Duty 10" Slim-nose Riveter

**Stanley Fastening** Spring-loaded handle ejects rivet stem automatically. Slim-nose right-angle design fits in difficult-to-reach places. Long handle makes riveter easy to squeeze.

Sets 1/8", 3/32", 5/32" & 3/16" diameter steel & aluminum rivets.

Stk.	Mfr.	Price
<b>597349</b>	MR33C	<b>\$11.70</b>



### VHR-IX

**Marson** The perfect medium-duty tool that sets both steel and aluminum rivets.

Sets steel rivets 3/32" to 5/32" dia. Sets aluminum rivets 3/16" dia.

**Includes** assortment of rivets & washers in pouch.

Stk.	Mfr.	Price
<b>868387</b>	79002	<b>\$38.30</b>

### Round Back-Up Washers

**Marson** Washers are .056" - .062" thick. They are used when fastening soft materials or to compensate for oversized holes where access to both sides of the work is possible.

#### Aluminum

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>868322</b>	86657	1/8"	100	<b>\$4.65</b>
<b>868323</b>	40657	1/8"	500	<b>\$16.90</b>
<b>868324</b>	86660	3/16"	100	<b>\$5.03</b>
<b>868325</b>	40660	3/16"	500	<b>\$17.50</b>

#### Steel

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>868370</b>	86658	1/8"	100	<b>\$4.19</b>
<b>868371</b>	40658	1/8"	500	<b>\$13.10</b>

### Standard Blind Buttonhead Rivets

**Marson** Rivet and Mandrel. For rivet tool kits & hand riveters. Low profile head diameter is twice the rivet body diameter providing adequate bearing surface for nearly all applications. Aluminum rivets are IFI grade 11, Steel Rivets are IFI grade 30.

#### Aluminum IFI grade 11

Stk.	Mfr.	Grip Range	Dia.	Qty.	Price
<b>868328</b>	40200	1/64" - 1/8"	3/32"	500	<b>\$15.80</b>
<b>868329</b>	40202	1/8" - 1/4"	3/32"	500	<b>\$16.30</b>
<b>868330</b>	86212	1/16" - 1/8"	1/8"	100	<b>\$4.65</b>
<b>868331</b>	40212	1/16" - 1/8"	1/8"	500	<b>\$12.60</b>
<b>868332</b>	86217	3/16" - 1/4"	1/8"	100	<b>\$4.95</b>
<b>868333</b>	40217	3/16" - 1/4"	1/8"	500	<b>\$14.20</b>
<b>868334</b>	86221	5/16" - 3/8"	1/8"	100	<b>\$5.78</b>
<b>868335</b>	40221	5/16" - 3/8"	1/8"	500	<b>\$19.00</b>
<b>868336</b>	86222	3/8" - 1/2"	1/8"	100	<b>\$6.48</b>
<b>868337</b>	40222	3/8" - 1/2"	1/8"	500	<b>\$20.70</b>
<b>868338</b>	86245	1/64" - 1/8"	3/16"	50	<b>\$4.86</b>
<b>868377</b>	40245	1/64" - 1/8"	3/16"	500	<b>\$24.90</b>
<b>868340</b>	86247	1/8" - 1/4"	3/16"	50	<b>\$4.92</b>
<b>868378</b>	40247	1/8" - 1/4"	3/16"	500	<b>\$25.60</b>
<b>868342</b>	86249	1/4" - 3/8"	3/16"	50	<b>\$5.32</b>
<b>868379</b>	40249	1/4" - 3/8"	3/16"	500	<b>\$29.10</b>
<b>868344</b>	86252	3/8" - 1/2"	3/16"	50	<b>\$5.59</b>
<b>868380</b>	40252	3/8" - 1/2"	3/16"	500	<b>\$32.00</b>
<b>868381</b>	40255	1/2" - 5/8"	3/16"	500	<b>\$38.30</b>
<b>868347</b>	42281	1/64" - 1/4"	1/4"	100	<b>\$14.80</b>
<b>868348</b>	42285	1/64" - 1/2"	1/4"	100	<b>\$18.10</b>

#### Steel IFI grade 30

Stk.	Mfr.	Grip Range	Dia.	Qty.	Price
<b>868351</b>	86112	1/16" - 1/8"	1/8"	100	<b>\$4.62</b>
<b>868352</b>	40112	1/16" - 1/8"	1/8"	500	<b>\$14.40</b>
<b>868353</b>	86117	3/16" - 1/4"	1/8"	100	<b>\$4.81</b>
<b>868354</b>	40117	3/16" - 1/4"	1/8"	500	<b>\$16.20</b>



# MEASURING & LAYOUT



## ProSite® Steel Protractor

**Starrett** Replaces the error prone calculation process for perfect miter cuts. The easy-to-use tool has 2 scales. 1 shows the miter joint angle, the second provides the angle to fit a single workpiece to an angle. To use, measure the angle, set the saw to the angle that the arrow points to on the scale, then cut the pieces.

Stk.	Mfr.	Length	Price
875300	505A-12	12"	\$99.00



## Steel Protractor C183

**Starrett** Preferred by draftsmen, machinists and mechanics for setting bevels and transferring angles. Rectangular head has 4 working

edges. Double graduations from 0 to 180° in opposite directions permit reading an angle directly and reading the supplementary angle. Blade can be locked at any angle by a lock joint and knurled nut. Satin chrome finish.

Stk.	Mfr.	Price
874260	C183	\$96.60



## Steel Protractor

**General** Used by machinists, draftsmen and mechanics for setting bevels, measuring and transferring angles. 3-3/8" x 2" rectangular head. Permanently etched graduations from 0-180° in

opposite directions. 6" adjustable protractor arm locks into desired position with knurled thumb nut. Ground stainless steel for optimum accuracy.

Stk.	Mfr.	Price
417204	17	\$16.30



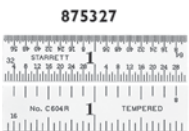
## Digital Precision Protractor

**General** Takes guesswork out of measuring, marking, reading and transferring angles. Easy-read display may be inverted.

- Accuracy: 0.1°
- Resolution: 0.05°
- Range: 0° to 180°
- Hold function

Includes 3V battery.

Stk.	Mfr.	Length	Price
419891	1702	6"	\$30.00



## Spring Tempered Steel Rules

**Starrett** Satin chrome finish. Graduations .8ths, 16ths & quick-reading 32nds, 64ths.

Stk.	Mfr.	Length	Width	Price
875327	C604R-6	6"	3/4"	\$28.00
875329	C604R-12	1'	1"	\$47.20
875331	C604R-24	2'	1-1/4"	\$119.00

## Rule w/Hook

875328	CH604R-6	6"	3/4"	\$36.10
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## Rigid Precision Steel Rule

**General** Stainless steel rigid rule with satin chrome finish and ultra fine black graduations.

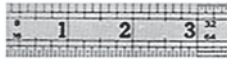
Stk.	Mfr.	Length	Width	Graduations	Price
419885	CF1276	12"	1"	8ths, 16ths, 32nds, 64ths	\$19.50



## English Pattern Steel Rules

**Starrett** General utility rule has easy-to-read markings that are heavier than conventional machine-divided rules. Graduated on both edges, both sides. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
874630	414-1	1'	1-1/4"	8ths, 16ths	\$45.40
874632	414-2	2'	1-1/4"	8ths, 16ths	\$78.00



## Rounded-End Steel Rule

**General** Precision-made stainless steel rule with fine, black etched graduations. Flexible rule has rounded end with hang hole.

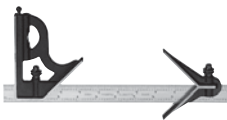
Stk.	Mfr.	Length	Width	Graduations	Price
419881	1201ME	1'	7/8"	8ths, 16ths, 32nds, 64ths, 1.0mm, .5mm	\$9.51



## No. 62 & 60 Steel Rules

**Lufkin** Marked on both sides. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
308876	6012IN	1'	3/4"	8ths, 16ths	\$33.80
309144	621FT	1'	1-1/4"	8ths, 16ths	\$37.20
309211	622FT	2'	1-1/4"	8ths, 16ths	\$58.30
309278	623FT	3'	1-1/4"	8ths, 16ths	\$89.50



## Machinist's Combination Squares

**Starrett** Square head and center head, with reversible lock bolts, spirit level and tempered steel machine-divided blade.

Stk.	Mfr.	Blade	Graduations	Price
873268	11HC-6-4R	6"L	8ths, 16th, 32nd, 64th	\$123.00
873335	11HC-12-4R	12"L	8th, 16th, 32nd, 64th	\$138.00



## Ultratest Steel Rule

**General** Ultra fine black graduations against a hard satin chrome finish for easy reading and long life. Plastic case.

Stk.	Mfr.	Length	Width	Graduations	Price
419893	CF1845	18"	3/4"	32nds, 64ths, 10ths, 100ths	\$29.90



## 6" Rigid Steel Rule

**General** Stainless steel rule etched with fine black graduations.

Stk.	Mfr.	Length	Width	Graduations	Price
419144	676	6"	3/4"	8ths, 16ths, 32nds, 64ths	\$8.21



## Inch/Decimal Steel Rule

**General** Flexible rule with depth gauge pocket clip.

Stk.	Mfr.	Length	Width	Graduations	Price
418005	300/1	6"	15/32"	32nds, 64ths, decimals	\$3.32



## Flexible Steel Circumference Rule

**Lufkin** Liquid or dry measure dimension table on reverse side for layout work. Can also be used as a bench rule.

Stk.	Mfr.	Length	Width	Graduations	Price
309814	953FT	3'	1-1/4"	16ths, circumferences	\$95.70



### Flexible Aluminum Rule

**Lufkin** Sharply defined, easy-to-read markings with straight parallel edges for greater accuracy.

Marked one side only. Lightweight and rustproof w/tamish-free finish. Lies flat, has hang-up hole for storage.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>312050</b>	1260	3'	15/64"	16ths	<b>\$9.18</b>

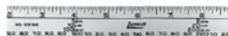


### Aluminum Rules

**Johnson Level** Extruded aluminum with clear anodized finish and screened thermal bonded black graduations.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>487015</b>	J112	1'	1-1/8"	8ths & 16ths	<b>\$2.40</b>
<b>487018</b>	J118	1-1/2'	1-1/8"	8ths & 16ths	<b>\$2.60</b>
<b>487016</b>	J124	2'	1-1/8"	8ths & 16ths	<b>\$2.95</b>
<b>487017</b>	J236	3'	1-1/8"	8ths & 16ths	<b>\$3.88</b>

### Inch/Metric Meter Stick



**Lufkin** Aluminum English/metric meter stick. Front side has measurements, other side shows table of equivalents and conversions.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>312051</b>	1261ME	1 Meter (3.3')	1"	16ths, dm, cm, mm	<b>\$23.30</b>

### Aluminum Meter Stick



**Starrett** Parallel, accurate, flexible rule made of anodized aluminum.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>872985</b>	MS-2	1 Meter (3.3')	1-1/8"	1/8th, mm	<b>\$8.76</b>

### Straightedge Rules



**Alvin** Made of hardened aluminum, distinctly calibrated in black. Featherweight, strong, semi-rigid rule for flexible use. Non-rust matte finish. Hang hole.

Stk.	Mfr.	Length	Width	Graduations	Price
<b>196024</b>	AR701-12	12"	7/8"	8ths, 16ths	<b>\$4.70</b>
<b>196025</b>	AR701-18	18"	1-1/4"	8ths, 16ths	<b>\$6.30</b>

### Combination Square Set w/Case



**Chicago Brand** This set has a square, protractor, center gauge, rule and scribe. Includes level in both square and protractor heads. Protractor marking to 1/4°. Wooden storage case.

Stk.	Mfr.	Blade	Graduations	Price
<b>302640</b>	50213	12"L	8th, 16th, 32nd, 64th	<b>\$111.00</b>



### Combination Square Set

**Starrett** This set has a nonreversible protractor head and patented reversible lock bolts. Includes spirit level in both square and protractor heads, direct reading double 180° protractor scale, tempered steel machine-divided blade.

Stk.	Mfr.	Blade	Graduations	Price
<b>873067</b>	9-12-4R	12"L	8th, 16th, 32nd, 64th	<b>\$258.00</b>



### Carpenter's Combination Square

**General** Enameled cast iron head with precision level and scriber for 90° and 45° angles. 12" x 1" steel blade is graduated on both sides.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>419467</b>	812	12"	4-1/2"	8ths, 16ths, 32nds	<b>\$46.50</b>



### Yellow Combination Square

**Stanley** Grooved 12" removable blade. Spring wire and clamping lug in handle keeps blade in place. Cast iron handle has level glass and scratch awl.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>854601</b>	46-123	12"	4-1/4"	8ths, 16ths, 32nds	<b>\$17.70</b>



### Combination Squares

**Stanley** Blade is coated to resist rust. Measure, square and level with this square complete with grooved blade, scratch awl and hand-regulated level vial.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>854668</b>	46-222	12"	4-1/8"	8ths, 16ths, 32nds	<b>\$11.80</b>
<b>854471</b>	46-028	12"	4-1/8"	8ths, 16ths, 32nds, metric	<b>\$13.90</b>

### Contractor Metal Combination Square



**Johnson Level** Cast zinc head has computer machined gauging edges for greater accuracy. Square also features an acrylic yellow barrel vial and a hardened removable scriber. Steel blade has permanently stamped graduations with rust protective coating.

Stk.	Mfr.	Blade	Handle	Graduations	Price
<b>486960</b>	400	12"	4-1/8"	8ths, 16ths, 32nds	<b>\$12.00</b>

### Professional Bamboo Try Square



**Johnson Level** Bamboo handle with stainless gauging edges, etched graduations and routed hand grip. Heavy duty stainless steel blade will not rust or corrode.

Stk.	Mfr.	Blade	Graduations	Price
<b>487655</b>	1909-0800	8"	8ths, 16ths	<b>\$13.00</b>



### Hardwood Try Square

**Master Mechanic** Precision etched stainless steel blade and brass bound hardwood handle for long life in the shop or on the job.

Stk.	Mfr.	Blade	Graduations	Price
<b>943306</b>	162990	8"	8ths & 16ths	<b>\$12.00</b>



### Plastic Handle Try / Miter Square

**Stanley** Aluminum blade with lightweight plastic handle. Measures 45° and 90° angles.

Stk.	Mfr.	Blade	Graduations	Price
<b>854730</b>	46-502	8"	8ths	<b>\$6.65</b>



### Double Square

**Starrett** The sliding blade is adjustable. The faces of the head are ground square.

Stk.	Mfr.	Graduations	Price
<b>873360</b>	13A	8ths, 16ths, 32nds & 64ths	<b>\$80.30</b>



### Trammel Points

**General** Accurately measures or marks distances greater than the range covered by ordinary dividers. Great for lofting layouts, template marking, etc. The 6" off-center points can be made with pencils, ballpoint pens, crayons or soapstone sticks. Clamp opening will take a beam 3/4" to 1-3/8"T and any width or length.

Stk.	Mfr.	Price
<b>418809</b>	523	<b>\$45.60</b>



### Yankee Calipers & Dividers

**Starrett** Calipers are made from a high-grade steel and well finished. Legs are made of flat stock and are very durable. Fulcrum stud is hardened and has a smooth bearing surface. Bow spring, although flexible, is exceedingly strong to assure reliability. Solid nut type.

**873735 873868 874002**

#### Inside

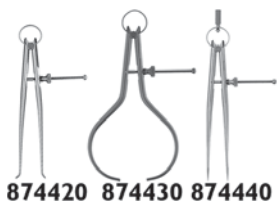
Stk.	Mfr.	Size	Price
<b>873735</b>	73A-4	4"	<b>\$56.50</b>
<b>873737</b>	73A-6	6"	<b>\$58.20</b>
<b>873804</b>	73A-8	8"	<b>\$83.80</b>

#### Outside

<b>873868</b>	79A-4	4"	<b>\$71.00</b>
<b>873871</b>	79A-6	6"	<b>\$69.90</b>
<b>873938</b>	79A-8	8"	<b>\$87.30</b>

#### Divider

<b>874002</b>	83A-4	4"	<b>\$74.50</b>
<b>874005</b>	83A-6	6"	<b>\$76.90</b>
<b>874072</b>	83A-8	8"	<b>\$99.00</b>



### Toolmaker's Calipers & Dividers

**Starrett** Fine adjustment and better balance provide a more sensitive feel. Legs are made from round stock. Fulcrum stud is hardened. Bearing surfaces of the legs are sufficiently large to prevent any side deflection.

**874420 874430 874440**

Stk.	Mfr.	Size	Price
<b>874420</b>	274-6	Inside, 6"	<b>\$74.50</b>
<b>874430</b>	275-6	Outside, 6"	<b>\$82.70</b>
<b>874440</b>	277-6	Divider, 6"	<b>\$79.20</b>



### Machinist's 3-in-1 Set

**Chicago Brand** Three of the most useful measuring and marking tools for mechanics and machinists.

**Includes** 6" dial caliper, 0-1" outside micrometer & 6" flexible rule.

Stk.	Mfr.	Price
<b>302520</b>	50020	<b>\$75.40</b>



### Basic Precision Measuring Tool Set

**Starrett** 3 rugged, easy-to-use precision-produced tools for mechanics and toolmakers.

Micrometer (0 to 1") with satin chrome finish and a rigid 1-piece, drop forged steel black frame, ribbed for extra strength. Equipped with pointed anvil and extremely hard 1-piece spindle, ratchet stop, lock nut and simple sleeve adjustment with staggered lines and distinct figures for precise, easy readability.

Dial caliper (0 to 6" thousandths) offers 1-hand use with thumb-operated fine adjustment roll. Hardened stainless steel bar, measuring surfaces, rack, gears and depth rod. Sharp black bar graduations on a no-glare satin finish. Knife-edge contacts for inside and outside measurements.

6" rule (8ths, 16ths, 32nds, 64ths graduations) is spring-tempered of fine quality steel with satin chrome finish. Produced to the highest standards for accurate and readable precision. Machine-divided (not photoengraved) graduations provide uniformity of line width and depth. Quick reading for easier counting.

**Includes** 1" outside micrometer w/carbide face, 6" dial caliper, 6" spring tempered precision rule & case.

Stk.	Mfr.	Price
<b>875430</b>	S909Z	<b>\$478.00</b>



### 6" Dial Calipers

**General** High-strength reinforced plastic units have inside, outside, depth and step measuring capabilities. Free-wheeling friction thumb roller

for repetitive, accurate reading. Dial adjustable to 0. Fractional conversion table on back.

**Direct-reading Inch Dial Caliper** Color-coded graduations.

Stk.	Mfr.	Graduations	Price
<b>417920</b>	142	.01 & 64ths w/inch & mm on bar scale	<b>\$40.00</b>

**1000ths-reading Dial Single Revol. Caliper** Outside jaw 1-1/2"L, inside jaw 5/8"L.

<b>417925</b>	145	.001", 10ths/mm	<b>\$47.00</b>
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### 6" Dial Caliper

**Chicago Brand** Fast, easy and accurate measurement of outside, inside, step and depth

dimensions to within .001". Hardened stainless steel measurement surfaces, screw-mounted rack gears, jaw lock and shock-resistant indicators assure long life.

**Includes** fitted case.

Stk.	Mfr.	Graduations	Price
<b>302505</b>	50004	.001"	<b>\$45.50</b>



### 6" Dial Caliper 107

**General** Stainless steel construction with inside and outside measurements. Dial meets/

exceeds federal specifications for accuracy. Satin chrome scale with clearly etched 10ths of inch graduations. Covered, protected rack for precision accuracy. Depth stop rod and adjustable bezel for zero setting.

Stk.	Mfr.	Graduations	Price
<b>417738</b>	107	.001"	<b>\$48.00</b>

*Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!*



### 6" Dial Caliper

**Starrett** Made of hardened stainless steel, with sharp black bar graduations on a no-glare satin background. Knife edge contracts for inside and outside measurements. Used for scribing lines parallel to work edges. Enables 1-hand use with thumb-operated fine adjusting roll. Features positive split gear anti-backlash control and depth gauge with depth attachment, sold separately.

**Includes** case.

Stk.	Mfr.	Graduations	Price
<b>874190</b>	120A-6	.001"	<b>\$234.00</b>

#### Depth Attachment

<b>874185</b>	PT22431		<b>\$74.30</b>
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### English & Metric Vernier Calipers

**5"** Inside and outside jaws and full-length depth gauge. Caliper has inside, outside depth and step measurement, plus lock for repetitive work. Steel tool has friction roller adjustment and slide lock gauging.

Stk.	Mfr.	Graduations	Price
<b>419212</b>	722	1/6th & mm, 1/128" & .1mm	<b>\$15.80</b>

**6"** Hardened measurement surfaces and stainless construction with crisp bar markings in inches and millimeters. Features inside, outside, step and depth dimensions. **Includes** case.

<b>302511</b>	50011	.001" & .02mm	<b>\$34.50</b>
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### 6" Digital Caliper

**Johnson Level** Ideal for inside, outside, depth and step measurements. Measurements read in millimeters, inch/decimal and inch/fraction and

zero button to set display to 0.000 at any position.

- Large easy-to-read digital LCD display
- Working range 0 to 6" & 0 to 150mm
- Scale in tenths of an inch up to 6" & millimeters up to 150 millimeters
- Thumb wheel & locking knob to set & lock the scale desired measurement
- Low battery indicator • Automatic shut-off • Mfr.'s 1-yr. warranty

**Includes** LR44 lithium battery, hard case & instruction manual.

Stk.	Mfr.	Graduations	Price
<b>487653</b>	1889-0600	.001"	<b>\$52.50</b>



### 6" IP67 Electronic Slide Caliper

**Starrett** Large, easy-to-read LCD (.310"H characters). IP67 level of protection against coolant, water, dirt and dust. Induction linear

encoder system. Auto shut-off after 30 min. without loss of position upon reactivation. Non-contact RS-232 data output.

- Hardened stainless steel measuring surfaces for long life
- Switchable inch/metric selector w/resolution to .0005" or .01mm
- Heavy-duty bar & slide (3.5mm thick) • Zero at any position
- Fine adjustment & slide lock • Linear accuracy meets DIN862

**Includes** battery & molded case.

Stk.	Mfr.	Graduations	Price
<b>875340</b>	798B-6/150	.0005"	<b>\$265.00</b>



### 6" Digital Caliper

**Chicago Brand** Extra large display offers full .50" digits with scratch-resistant crystal lens. Zero location is retained with each power on.

Easy glide thumb roller, depth bar and lock.

- Switchable inch/metric selector w/resolution to .0005" or .01mm
- Hardened stainless steel body • 1-yr. mfr.'s warranty

**Includes** case, battery & manual.

Stk.	Mfr.	Graduations	Price
<b>302500</b>	50001S	.001"	<b>\$63.50</b>



### Dial Indicator 25-441J

**Starrett** Conforms to AGD specifications (except range). Shock-free hardened steel gear train with jewel bearings.

Stk.	Mfr.	Graduations	Dial Reading	Price
<b>873476</b>	25-441J	.001"	0-100	<b>\$177.00</b>



### 2-1/4" Dial Indicator

**Chicago Brand** Rugged 2-1/4" indicator with 100 divisions per revolution with a counter. Features curved glare-resistant face, adjustable zero with lock, hardened tip, limits indicator, stainless stem, 1/4" lug back and 3/8" stem mountable.

**Includes** metal case.

Stk.	Mfr.	Graduations	Range	Dial Reading	Price
<b>302610</b>	50150	.001"	0"-1"	100	<b>\$29.00</b>



### Mighty Mag w/1" Travel Indicator

**Flexbar** Precision dial indicator features unique combination of central lug and magnetic back plate. Enclosed case protects movement from dust and oil. 3/8" stainless steel hardened stem. Powerful and accurate 50 lb. pull Mighty Mag features zinc die-cast housing with painted finish,

5 locations for mounting accessories, 3 positions 1/4-20 for lug mounts, 10-32 tapped hole, 3/8" reamed hole and utility hole with clamping screw.

Stk.	Mfr.	Graduations	Range	Dial Reading	Price
<b>408490</b>	12026	.001"	1"	100	<b>\$69.00</b>



### Dial Indicator Kit

**Chicago Brand** Long range indicator with revolution counter and adjustable zero. Compact magnetic base with 22 lb. holding force.

**Includes** rods, clamps & molded case.

Stk.	Mfr.	Graduations	Range	Price
<b>302680</b>	56410	.001"	0"-1"	<b>\$88.20</b>

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### Universal Back Plunger Dial Indicator

**Starrett** Simple, reliable, easy-to-read unit is a very sensitive instrument. May be adjusted to any angle - the slightest pressure on the contact point will produce a movement of the hand on the dial. 3 hardened contacts are furnished for different classes of work.

**Includes** case & clamp, tool post holder & snug (sleeve) complete.

Stk.	Mfr.	Price
<b>874273</b>	196AIZ	<b>\$290.00</b>

#### Instrument & Adapter Only

Stk.	Mfr.	Price
<b>874278</b>	196BI	<b>\$167.00</b>



### Magnetic Base Indicator Holder Set

**Starrett** Secure test indicators with a powerful, permanent magnetic base. Holds firmly to steel or iron surfaces - horizontally, vertically or upside-down. I-hand set-up and take-down. Push button switch turns magnetic force on or off. V-step adapts base to horizontal or vertical arbors and chucks. Extra 1/4-20 NC tapped hole in side of base for indicator

mounting post. 3 precision-ground magnetic contact surfaces (& V-step). Black-wrinkle finish on nonworking surfaces.

Stk.	Mfr.	Price
<b>875333</b>	657AA	<b>\$224.00</b>



### Magnetic Base Indicator Holder

**Chicago Brand** Full-size magnetic base features 130 lbs. of holding force, on/off flip switch with bottom machined to mount on a flat or cylindrical surface. Fine adjustment, 14" reach, plus 5/32", 1/4" and 5/16" stems.

Stk.	Mfr.	Price
<b>302636</b>	50208	<b>\$34.50</b>



### Pin Vise

**General** Nickel-plated swivel head pin vise for holding drills, taps, wire. 0-1/8" capacity.

**Includes** 2 double end collets.

Stk.	Mfr.	Dia.	Length	Price
<b>417670</b>	92	5/16"	3-11/16"	<b>\$12.60</b>



### Precision Feeler Gauges

**Starrett** 26 straight replaceable leaves, ranging from .0015" to .025" thick, 3-1/32" long and 1/2" wide. Locking device provided.

Stk.	Mfr.	Price
<b>873600</b>	66	<b>\$73.40</b>



### Surface Gauge

**Starrett** Gauge has a cast base, round bottom surface, with polished sides. 2 gauge pins in base are for linear work. V-grooved in the base for cylindrical work. Spindle is adjustable to any angle above or below base. Capable of extra fine adjustment plus wide range. Scriber and spindle holes are in permanent alignment.

Stk.	Mfr.	Spindle	Base	Price
<b>873536</b>	57A	9"	2-15/16" x 2-9/16"	<b>\$223.00</b>



### Telescoping Gauges

**Starrett** Automatic self-centering handle. Plungers telescope within each other providing a positive seat in all positions. Constant spring tension gives uniform contact pressure. Plungers are easily locked at any desired setting. Contact ends are hardened and ground to a radius to provide proper clearance.

Stk.	Mfr.	Range	Price
<b>875320</b>	579A	5/16" - 1/2"	<b>\$39.00</b>
<b>875321</b>	579B	1/2" - 3/4"	<b>\$41.30</b>
<b>875322</b>	579C	3/4" - 1-1/4"	<b>\$42.50</b>
<b>875323</b>	579D	1-1/4" - 2-1/8"	<b>\$43.70</b>
<b>875324</b>	579E	2-1/8" - 3-1/2"	<b>\$55.90</b>
<b>875325</b>	579F	3-1/2" - 6"	<b>\$71.00</b>

**3-Piece Set Includes** 3 sizes No.'s 299A, B, C (1/2" to 2-1/8") & case.

<b>874305</b>	S229FZ	<b>\$139.00</b>
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**4-Piece Set Includes** 4 sizes No.'s 579A, B, C, D (5/16" to 2-1/8") & case.

<b>875326</b>	S579GZ	<b>\$177.00</b>
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**6-Piece Set Includes** 6 sizes No.'s 579A, B, C, D, E, F (5/16" to 6") & case.

<b>875319</b>	S579HZ	<b>\$308.00</b>
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### Telescoping Gauge Set

**General** For quick, accurate measurements of inside diameters of holes and widths of slots from which micrometer measurements are taken. Both gauging ends are heat-treated tool steel and ground to a radius for measuring the smallest hole the gauge will enter. Self-centering

action ensures accuracy. Long-handled design provides improved reach in deep holes and slots. Satin chrome finish. Swivel lock at base of handle.

**Includes** sizes AA, A, B, C, D, E (from 5/16" to 6") & case.

Stk.	Mfr.	Item	Price
<b>417700</b>	S98-6	6-Piece Set	<b>\$149.00</b>



### Depth Gauge

**Starrett** Gauge quickly obtains measurements of a blind hole (32nds & 64ths, 1/2 mm) by adjusting rule to required depth. Finished, hardened steel head and precision, machine-divided, tempered steel rule (6"L x 3/16"W). Gauge adjusts smoothly then locks into position. Base is cut out on one side for easier readings and accurate measurements. Fixed 90° angle depth gauge with 2-1/2" precision-ground work base.

Stk.	Mfr.	Price
<b>874340</b>	237	<b>\$62.90</b>



### Depth & Angle Gauge

**General** Easy-read depth/90° angle gauge makes precise depth measurements in small holes and slots. Doubles as a protractor (measuring 30°, 45° & 60° R&L). Spring tension nut secures rule in milled slot to the hardened steel base (2-1/2"W). Stainless steel rule (6" x 1/4") is etched (graduated in 32nds & 64ths) and can be locked in any position. Conforms to government specification GGG-G-17b.

Stk.	Mfr.	Price
<b>418780</b>	444	<b>\$21.80</b>

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### Micrometer Depth Gauges

**Starrett** Measures depth of slots, shoulders and projections to .001". Range is 0 to 3" with 3 rods. Sleeve and thimble have a no-glare satin chrome finish. Graduations are quick-reading with every 1,000th numbered. The precision-ground screw has a 1" movement. A locknut holds the setting at measurement desired. Supplied with case.

Stk.	Mfr.	Item	Price
875290	440Z-3RL	2-1/2"L x 1/8" dia.	\$296.00
875296	445BZ-3RL	4"L x 5/32" dia.	\$319.00



### Small Hole Gauge Set

**Starrett** For accurately measuring small holes, slots, grooves and recesses. Hardened contact surfaces have split ball, which is adjusted to size by knurled knot at end of gauge. Final size in 1,000ths of an inch is obtained by measuring over ball contacts with a micrometer.

**Includes** 4 sizes (.125" to .500") & case.

Stk.	Mfr.	Price
875390	S829EZ	\$196.00



### Contour Gauge

**General** Ideal for any job or hobby where contour duplication is essential.

- Inch graduations
- Stainless steel pins
- Body is painted enamel & brass-plated

• Size: 6" x 3-1/2" (overall travel 5-1/4")

Stk.	Mfr.	Length	Price
419615	837	6"	\$11.20



### Center Gauge

**General** Made of tempered and ground stainless steel with satin chrome finish. 60° angles for U.S. standard threads and double depth of American National thread. Notches have clearance slots.

Graduations: of 14ths, 20ths, 24ths & 32nds of an inch.

Stk.	Mfr.	Price
419346	CF778	\$12.30



### Center Gauge C391

**Starrett** Spring-tempered steel. Satin chrome finish. All gauging surfaces are ground. U.S. Standard 60°.

Stk.	Mfr.	Price
874608	C391	\$28.00



### Radius Gauge Set

**Starrett** Set features 5 different gauge surfaces on each gauge for both convex and concave radii. Precision finished radii with extra smooth accurate edges.

1/64" to 1/2" radius.

**Includes** 25 gauges & case.

Stk.	Mfr.	Price
874256	S167CHZ	\$212.00



### Check Screw Gauge

**General** Use to identify machine, wood and self-tapping screws, bolts, standard rivets and common cotter pins (up to 5/16"). 3" scale checks screw lengths. Gives drill size for corresponding tap size and drill size for like hole. Threaded holes indicate threads per inch while unthreaded indicate size by number and fractions (of an inch). Made of durable engineering plastic.

Stk.	Mfr.	Price
419205	714	\$12.30



### Drill Point Gauge

**Starrett** A gauge with precision features, insuring correct drill point angles at 59° for better and faster cutting. Accurately measures drill lengths. Can also be used as a plain rule, hook rule, depth gauge, try square and slide caliper.

Stk.	Mfr.	Price
873469	22C	\$74.50



### Tap & Drill Gauge

**Starrett** See at a glance the correct size tap drill for any common size machine screw tap in "NF" or "NC" thread series and will leave the right amount of stock for approximately 65% full thread. Also shows the correct body size drill to use and provides 60 holes marked with the number size and decimal equivalent of the drill that fits each hole. Thoroughly tested for accuracy after hardening. Satin finish.

Tap size: 2 - 56 to 1/4 - 28. Drill gauge numbers 1 to 60.

Range: tap drill 50 to 3, body drill 44 to 1/4.

Tool size 5/64" T x 2-5/16" W x 6-1/4" L.

Stk.	Mfr.	Price
874265	185	\$82.70



### Screw Pitch Gauge

**Starrett** Compact gauges with locking devices for determining inside or outside threads per inch according to V, Unified, American National, and U.S. Standard - 60° threads.

- 11-1/2 & 27 pipe thread pitches
- TPI range 4-42

**Includes** 30 pitches (4 through 42-4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42).

Stk.	Mfr.	Price
873000	6	\$45.40



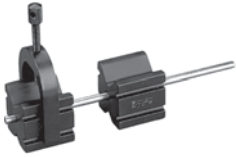
### Wire & Metal Gauges

#### American Standard Wire Gauge

Stk.	Mfr.	Range	Price
417268	20	0 - 36	\$27.60
874474	281	0 - 36 / .325" - .005"	\$85.00

#### US Standard Sheet Metal Gauge

Stk.	Mfr.	Range	Price
417335	21	0 - 36	\$26.50
874541	283	0 - 36 / .3125 - .007"	\$85.00



### Steel V Blocks & Clamp

**Starrett** Designed to be used singly or in pairs for laying out work. The blocks are 1-1/4" square and will hold round pieces to 1-1/4".

Stk.	Mfr.	Item	Price
<b>874404</b>	271B	Steel V Blocks & Clamp	<b>\$34.60</b>
<b>874407</b>	271C	Clamp Only	<b>\$124.00</b>



### Wiggler & Center Finder

**Starrett** This tool adapts to many applications with 4 different attachments that are readily interchangeable in wiggler shank. Attachments are snapped into chuck without removing collet nut and are clamped by ball swivel joint which adjusts to angular position or true concentricity.

**Includes** center finder, shank w/point, ball contact, disc contact, offset indicator holder & case.

Stk.	Mfr.	Price
<b>875384</b>	S828HZ	<b>\$71.00</b>



### Edge Finders

**Starrett** Can be used with flat straight edges, shoulders, grooves, round work, studs, dowels or center points and scribed lines. Body and contacts are made of tool steel, hardened, ground and lapped to close tolerances for diameter and concentricity.

Stk.	Mfr.	Item	Contact Dia.	Body Dia.	Price
<b>875379</b>	827A	Single end	.200"	.375"	<b>\$30.30</b>
<b>875380</b>	827B	Double end	.200"	.500"	<b>\$36.70</b>



### 3-Piece Scriber Set

**Starrett** Scriber points screw into the nickel-plated knurled handle and fit either end.

**Includes** 3 points: straight, short bent (9"L) & long bent (12"L).

Stk.	Mfr.	Price
<b>873603</b>	67A	<b>\$41.90</b>



### Tungsten Carbide Point Scribers

**General** Tungsten carbide tip marks stainless steel, copper, ceramics, glass. Screw chuck for reversing tip when not in use.

Stk.	Mfr.	Length	Price
<b>417660</b>	88	6"	<b>\$7.07</b>
<b>417662</b>	88CM	6" w/Magnet	<b>\$8.63</b>



### Pocket Scribers

**Starrett** Steel tubing handle, knurled and nickel-plated. The scriber point is held firmly on the handle by a knurled chuck and locked inside handle when not in use.

#### Steel

Stk.	Mfr.	Point	Stock	Price
<b>873670</b>	70A	2-3/8"L	1/4" dia.	<b>\$16.00</b>
<b>873680</b>	70B	2-7/8"L	3/8" dia.	<b>\$19.30</b>

#### Carbide

Stk.	Mfr.	Point	Stock	Price
<b>873676</b>	70AX	2-3/8"L	1/4" dia.	<b>\$36.70</b>
<b>873688</b>	70BX	2-7/8"L	3/8" dia.	<b>\$39.60</b>



### Educational Wall Charts

**Starrett** 15 Whiteprint charts (18-5/8" x 14-5/8" ea.) help students recognize basic tools, their principal parts and uses. 2 charts are informational.

**Includes** charts for:

- magnetic base indicator holders
- inside micrometer
- outside micrometer
- micrometer depth gauge
- vernier caliper
- height gauge
- electronic micrometer
- machinist's vise
- hook rule
- combination square
- bevel protractor
- dial indicator
- standard & dial calipers
- dial test indicator
- surface gauge
- How to Read Metric & How to Read English Measuring Tools

Stk.	Mfr.	Item	Price
<b>875592</b>	1702	17/set	<b>\$31.50</b>



### I24 Series Inside Micrometer

**Starrett** Features satin chrome finish, measures 2" - 8" in length, with 6 measuring rods, 1/2" gauge and case.

Stk.	Mfr.	Range	Graduations	Price
<b>874206</b>	124AZ	2"-8"	.001"	<b>\$304.00</b>



### Outside 3-Micrometer Set

**Starrett** This outside micrometer set consists of 3 micrometers with ratchet stop and lock nut.

**Includes** standards & case.

Stk.	Mfr.	Range	Price
<b>874668</b>	S436.1ARLZ	0-3"	<b>\$673.00</b>



### Outside Micrometer Sets

**Chicago Brand** Rugged enameled frames offer smooth action, thimble ratchet and crisp markings for consistent measurements. Carbide tips provide long lasting accuracy.

**Includes** calibration wrench, gauge blocks & case.

Stk.	Mfr.	Range	Graduations	Price
<b>302552</b>	50066	0-3"	.0001"	<b>\$96.60</b>
<b>302557</b>	50070	0-6"	.0001"	<b>\$249.00</b>



### Electronic Micrometer

**Starrett** Provides IP67 level protection against coolant, water, chips, dirt, dust, and other shop contaminants. Full-featured, quality-made tool offers balanced, tapered frame for comfortable and accurate measuring.

- Can zero at any position, plus retain & return to true zero reading
- No-glare satin chrome finish on thimble & sleeve
- Large, high-contrast LCD digital readout (.275")
- Smooth friction thimble for uniform pressure
- Micro-lapped carbide measuring faces
- Spindle lock
- Hard, stable 1-piece spindle
- Measure hold button
- Auto off after 20 min. of nonuse
- Instant inch/metric conversion

**Includes** two 3V batteries & case.

Stk.	Mfr.	Graduations	Price
<b>875356</b>	796XFL-1	.0001"	<b>\$221.00</b>



**436.1 Series Micrometers**  
**Starrett** Strength, rigidity and fine precision.  
 Features no-glare, satin chrome finish.

**English w/out Ratchet Stop w/out Lock Nut**

Stk.	Mfr.	Range	Graduations	Price
<b>874876</b>	436.1P-1	0-1"	.001"	<b>\$156.00</b>
<b>874943</b>	436.1P-2	1-2"	.001"	<b>\$187.00</b>
<b>875010</b>	436.1P-3	2-3"	.001"	<b>\$233.00</b>

**Ratchet Stop & Lock Nut**

Stk.	Mfr.	Range	Graduations	Price
<b>875144</b>	436.1RL-1	0-1"	.001"	<b>\$156.00</b>

**English w/Ratchet Stop & Lock Nut**

Stk.	Mfr.	Range	Graduations	Price
<b>875211</b>	436.1RL-2	1-2"	.001"	<b>\$187.00</b>
<b>875278</b>	436.1RL-3	2-3"	.001"	<b>\$233.00</b>

**English w/Friction Thimble & Lock Nut**

Stk.	Mfr.	Range	Graduations	Price
<b>875279</b>	T436.1XFL-1	0-1"	.0001"	<b>\$160.00</b>

**Metric w/Ratchet Stop & Lock Nut**

Stk.	Mfr.	Range	Graduations	Price
<b>874675</b>	436.1MRL-25	0-25mm	.01mm	<b>\$153.00</b>
<b>874742</b>	436.1MRL-50	25-50mm	.01mm	<b>\$198.00</b>



**Student Micrometer**  
**General** Satin finish frame has ratchet stop/friction thimble for consistent measurements. Machine-cut graduations. 0" to 1" range. Hex wrench included for zero adjustments.

Stk.	Mfr.	Range	Graduations	Price
<b>417730</b>	102	0-1"	.001"	<b>\$24.50</b>



**Digital Micrometers**  
**Chicago Brand** Reads to 1,000th of an inch without having to read a vernier scale. For more accuracy, a vernier scale is provided for measurements to .001". Thimble ratchet/lock. Carbide tips. Smooth movement. Spanner wrench included for calibration.

Stk.	Mfr.	Range	Graduations	Price
<b>302540</b>	50054	0-1"	.0001"	<b>\$66.20</b>
<b>302541</b>	50055	1-2"	.0001"	<b>\$69.00</b>
<b>302542</b>	50056	2-3"	.0001"	<b>\$78.60</b>



**Outside Micrometers**  
**Chicago Brand** Enameled frame, smooth action, and thimble ratchet for precision measurements. Machine-cut graduations. Calibration wrench included for all sizes.

Stk.	Mfr.	Range	Graduations	Price
<b>302549</b>	50063	0-1"	.0001"	<b>\$30.30</b>
<b>302550</b>	50064	1-2"	.0001"	<b>\$33.10</b>
<b>302551</b>	50065	2-3"	.0001"	<b>\$37.20</b>

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## TAPS & DIES



### Tap & Die Sets

**Craftsman 19-Piece Set** contains a 1" die stock, T-handle tap wrench and die stock adapter. **Includes** 10" taps 1/4-20, 5/16-18, 3/8-16, 1/4-28, 5/16-24, 3/8-24, 6/32, 8/32, 10-24, 10-32, 6" dies 1/4-20, 5/16-18, 3/8-16 N.C.; 1/4-28, 5/16-24, 3/8-16, 1/4-28, 5/16-24, 3/8-24.

Stk.	Mfr.	Price
<b>305770</b>	52341	<b>\$48.40</b>

**Hanson 12-Piece** Each set contains a die stock, tap wrench, 1" solid die and plug tap for each size listed. **Includes** taps & dies in sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13 & molded case.

Stk.	Mfr.	Price
<b>462630</b>	24612	<b>\$51.80</b>

**Hanson 24-Piece** Each set contains a die stock, tap wrench, 1" solid die and plug tap for each size listed. **Includes** taps & dies in sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 1/8-27 & case.

Stk.	Mfr.	Price
<b>462760</b>	23622	<b>\$95.50</b>

**Hanson 24-Piece Metric tap and 1" hexagon die set.** **Includes** tap & dies: metric screw sizes 3mm-0.50, 4mm-0.70, 5mm-0.80, 6mm-1.00, 7mm-1.00, 8mm-1.25, 9mm-1.50, 10mm-1.50, 12mm-1.50, 12mm-1.75, threading tools plain die stock (for 1" dies), offset adj. tap wrench, (taps 0 to 1-1/2"), pipe (1/8-27 BSP), case.

Stk.	Mfr.	Price
<b>463162</b>	26313	<b>\$116.00</b>

**Hanson 39-Piece Fractional tap and 1" solid round dies.** **Includes** tap & dies: machine screw sizes 4-40, 6-32, 8-32, 10-24, 10-32 & 12-24, national coarse sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, national fine sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16, threading tools adj. die stock (1" dies), T-handle wrench (taps 0 to 1/4"), adj. handle tap wrench (taps 0 to 1/2"), 18 leaf standard thread pitch gauge, pipe (1/8-27 NPT), case w/ removable tray.

Stk.	Mfr.	Price
<b>462693</b>	23614	<b>\$150.00</b>

**Hanson 41-Piece Fractional tap and 1-1/2" adjustable solid round dies.** **Includes** tap & dies: national coarse sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 9/16-12, 5/8-11, 3/4-10, national fine sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16, threading tools adj. die stock (1-1/2" dies), T-handle wrench (taps 1/4" to 1/2"), adj. handle tap wrench (taps 1/4" to 1"), 18 leaf standard thread pitch gauge, pipe 1-1/2" solid round (1/8-27 NPT, 1/4-18 NPT), case.

Stk.	Mfr.	Price
<b>462894</b>	25941	<b>\$366.00</b>

**Hanson 41-Piece Fractional tap and hex die set.** Machine screw sizes are 5/8", all others are 1". **Includes** tap & dies: machine screw sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, National coarse sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, National fine sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, threading tools adj. die stock (1" dies), plain die stock (5/8" hex. dies), adj. handle tap wrench (taps 0 to 1/2"), T-handle wrench (taps 0 to 1/4"), 2-in-1 tap wrench (taps 1/4" to 1/2"), 18 leaf standard thread pitch gauge, pipe 1" hex (1/8-27 NPT) & case w/removable tray.

Stk.	Mfr.	Price
<b>462626</b>	24606	<b>\$168.00</b>



**Hanson 41-Piece Metric tap and hexagon die set. Includes** tap & dies: 5/8" hexagon metric screw sizes 3mm-0.50, 4mm-0.70, 4mm-0.75, 5mm-0.80, 5mm-0.90, 6mm-1.00, 1" hexagon metric screw sizes 7mm-1.00, 8mm-1.00, 8mm-1.25, 9mm-1.00, 9mm-1.25, 10mm-1.25, 10mm-1.50, 11mm-1.50, 12mm-1.50, 12mm-1.75, threading tools adj. die stock (for 1" dies), plain die stock (for 5/8" dies), adj. handle tap wrench (for 0 to 1/2" taps), T-handle wrench (taps 0 to 1-1/4"), 2-in-1 tap wrench (for 1/4" to 1/2" taps, 16 leaf standard thread, pitch gauge, pipe 1" hex (1/8-28 BSP), case.

Stk.	Mfr.	Price
<b>463168</b>	26317	<b>\$168.00</b>

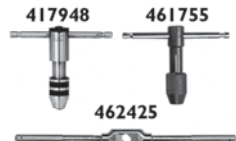
**Hanson 65-Piece Fractional tap and solid adjustable round dies. Includes** tap & dies: 1" Solid Round machine screw sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, National coarse sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, National fine sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 1-1/2" Adj. Round National coarse sizes 9/16-12, 5/8-11, 3/4-10, National fine sizes 9/16-18, 5/8-18, 3/4-16, 2" Adj. Round National coarse sizes 7/8-9, 1-8, National fine size 7/8-14, National special size 1-12, threading tools adj. die stock (for 1", 1-1/2" & 2" dies), 2 adj. handle tap wrenches (for 0 to 1/2" & 1/4" to 1" taps), T-handle wrench (taps 0 to 1/4"), 18 leaf standard thread pitch gauge, pipe 1" solid round (1/8-27 NPT), 1-1/2" solid round (1/4-18 NPT) & case.

Stk.	Mfr.	Price
<b>461688</b>	98614	<b>\$544.00</b>

**Hanson 66-Piece Tap and hexagon die machine screw and fractional combination set. Includes** tap & dies: 5/8" hexagon machine screw sizes 4-40, 6-32, 8-32, 10-24, 10-32 & 12-24, 1" hexagon national coarse sizes 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, national fine sizes 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 1-1/2" Adj. Round National coarse sizes 9/16-12, 5/8-11, 3/4-10, national fine sizes 9/16-18, 5/8-18, 3/4-16, 2" Adj. Round National coarse sizes 7/8-9, 1-8 & National fine sizes 7/8-14, 1-12, threading tools adj. die stock (for 1", 1-1/2" & 2" dies), plain die stock (for 5/8" dies), 2 adj. handle tap wrenches (for 0 to 1/2" & 1/4" to 1" taps), 2-in-1 tap wrench (1/4" to 1/2"), 2 T-handle wrenches (taps 0 to 1-1/4"), 18 leaf standard thread pitch gauge, pipe 1" hex (1/8-27 NPT), 1-1/2" solid round (1/4-18 NPT), case.

Stk.	Mfr.	Price
<b>461680</b>	98606	<b>\$526.00</b>

### Tap Wrenches



### T-Handle Ratcheting

Stk.	Mfr.	Capacity	Length	Price
<b>417948</b>	161R	#0-1/4"	3-1/2"	<b>\$37.00</b>
<b>417952</b>	162R	#12-1/2"	4-1/4"	<b>\$47.00</b>

### T-Handle Non-ratcheting

<b>461755</b>	12401	#0-1/4"		<b>\$6.08</b>
<b>462224</b>	12415	#12-5/16"		<b>\$7.64</b>
<b>461822</b>	12402	1/4"-1/2"		<b>\$9.09</b>

### Adjustable

<b>462425</b>	12088	#0-1/2"		<b>\$17.60</b>
<b>462157</b>	12498	1/4"-1"		<b>\$45.90</b>



### Pipe Taps

**Hanson** Taper, high-carbon steel pipe taps.

Stk.	Mfr.	Size	Price
<b>448824</b>	1902	1/8"-NPT	<b>\$4.87</b>
<b>448891</b>	1903	1/4"-NPT	<b>\$6.49</b>
<b>448958</b>	1904	3/8"-NPT	<b>\$9.27</b>
<b>449025</b>	1905	1/2"-NPT	<b>\$17.20</b>

## Machine Screw Taps

### Hanson

#### Taper, High Carbon Steel

Stk.	Mfr.	Size	Flutes	Price
<b>443985</b>	1018	6-32	3	<b>\$3.02</b>
<b>443986</b>	1024	8-32	4	<b>\$3.09</b>
<b>443987</b>	1028	10-24	4	<b>\$3.27</b>
<b>443988</b>	1031	10-32	4	<b>\$3.27</b>
<b>443989</b>	1032	12-24	4	<b>\$3.22</b>

#### Plug, High Carbon Steel

<b>444268</b>	1118	6-32	3	<b>\$3.02</b>
<b>444335</b>	1124	8-32	4	<b>\$3.09</b>
<b>444402</b>	1128	10-24	4	<b>\$3.27</b>
<b>444469</b>	1131	10-32	4	<b>\$3.27</b>
<b>444536</b>	1132	12-24	4	<b>\$3.32</b>

#### Taper, HSS

<b>452711</b>	400015	6-32NC	3	<b>\$5.35</b>
<b>452712</b>	400019	8-32NC	4	<b>\$5.42</b>
<b>452713</b>	400022	10-24NC	4	<b>\$5.59</b>
<b>452714</b>	400023	10-32NC	4	<b>\$5.59</b>
<b>452715</b>	400025	12-24NC	4	<b>\$5.83</b>



### Fractional Size Taps

#### Hanson

#### Taper, High Carbon Steel

Stk.	Mfr.	Size	Flutes	Price
<b>444804</b>	1320	1/4-20NC	4	<b>\$3.27</b>
<b>444871</b>	1323	1/4-28NF	4	<b>\$3.27</b>
<b>444938</b>	1327	5/16-18NC	4	<b>\$4.10</b>
<b>445005</b>	1329	5/16-24NF	4	<b>\$4.10</b>
<b>445072</b>	1334	3/8-16NC	4	<b>\$4.95</b>
<b>445139</b>	1336	3/8-24NF	4	<b>\$4.95</b>
<b>445206</b>	1339	7/16-14NC	4	<b>\$5.42</b>
<b>445273</b>	1340	7/16-20NF	4	<b>\$5.42</b>
<b>445340</b>	1344	1/2-13NC	4	<b>\$6.19</b>
<b>445407</b>	1345	1/2-20NF	4	<b>\$6.19</b>

#### Plug, High Carbon Steel

<b>446211</b>	1420	1/4-20NC	4	<b>\$3.27</b>
<b>446278</b>	1423	1/4-28NF	4	<b>\$3.27</b>
<b>446345</b>	1427	5/16-18NC	4	<b>\$4.10</b>
<b>446412</b>	1429	5/16-24NF	4	<b>\$4.10</b>
<b>446479</b>	1434	3/8-16NC	4	<b>\$4.95</b>
<b>446546</b>	1436	3/8-24NF	4	<b>\$4.95</b>
<b>446613</b>	1439	7/16-14NC	4	<b>\$5.42</b>
<b>446680</b>	1440	7/16-20NF	4	<b>\$5.42</b>
<b>446747</b>	1444	1/2-13NC	4	<b>\$6.19</b>
<b>446814</b>	1445	1/2-20NF	4	<b>\$6.19</b>

#### Bottoming, High Carbon Steel

<b>447618</b>	1520	1/4-20NC	4	<b>\$3.27</b>
<b>447685</b>	1523	1/4-28NF	4	<b>\$3.27</b>
<b>447752</b>	1527	5/16-18NC	4	<b>\$4.10</b>
<b>447819</b>	1529	5/16-24NF	4	<b>\$4.10</b>
<b>447886</b>	1534	3/8-16NC	4	<b>\$4.95</b>
<b>447953</b>	1536	3/8-24NF	4	<b>\$4.95</b>
<b>448020</b>	1539	7/16-14NC	4	<b>\$5.42</b>
<b>448087</b>	1540	7/16-20NF	4	<b>\$5.42</b>
<b>448154</b>	1544	1/2-13NC	4	<b>\$6.19</b>
<b>448221</b>	1545	1/2-20NF	4	<b>\$6.19</b>

#### Taper, HSS

<b>452721</b>	410010	1/4-20NC	4	<b>\$6.36</b>
<b>452723</b>	410015	5/16-18NC	4	<b>\$7.15</b>
<b>452729</b>	410022	1/2-13NC	4	<b>\$14.50</b>



### Solid Round Dies - 1" O.D.

**Hanson** Adjustable high-carbon steel solid dies.

Stk.	Mfr.	Size	Price
<b>450968</b>	3820	1/4-20	<b>\$9.20</b>
<b>451035</b>	3823	1/4-28	<b>\$9.20</b>
<b>451102</b>	3827	5/16-18	<b>\$9.20</b>
<b>451169</b>	3829	5/16-24	<b>\$9.20</b>
<b>451236</b>	3834	3/8-16	<b>\$9.20</b>
<b>451303</b>	3836	3/8-24	<b>\$10.60</b>
<b>451370</b>	3839	7/16-14	<b>\$9.20</b>
<b>451437</b>	3840	7/16-20	<b>\$9.20</b>
<b>451504</b>	3844	1/2-13	<b>\$9.20</b>
<b>451571</b>	3845	1/2-20	<b>\$9.20</b>

### Hexagon Dies - 1" Across Flats

**Hanson** High-carbon steel hexagon dies.

Stk.	Mfr.	Size	Price
<b>452662</b>	6520	1/4-20	<b>\$4.19</b>
<b>452663</b>	6523	1/4-28	<b>\$4.19</b>
<b>452664</b>	6527	5/16-18	<b>\$4.19</b>
<b>452665</b>	6529	5/16-24	<b>\$4.19</b>
<b>452666</b>	6534	3/8-16	<b>\$4.19</b>
<b>452667</b>	6536	3/8-24	<b>\$4.19</b>
<b>452668</b>	6539	7/16-14	<b>\$4.19</b>
<b>452669</b>	6540	7/16-20	<b>\$4.19</b>
<b>452671</b>	6544	1/2-13	<b>\$4.19</b>
<b>452672</b>	6545	1/2-20	<b>\$4.19</b>



### Die Stocks

**Hanson** For 1" hex or round dies.

Stk.	Mfr.	Type	Capacity	Price
<b>462360</b>	12026	Adjustable	10"	<b>\$15.90</b>
<b>461889</b>	11008	Nonadjustable	9"	<b>\$8.61</b>

## CHEMICALS & FLUIDS



### Naval Jelly

**Duro** Chemically removes rust from all iron and steel surfaces. Brush-on, wash off.

Stk.	Mfr.	Size	Price
<b>504290</b>	01-80277	Pint	<b>\$8.39</b>



### Rust Remover

**Krud Kutter** Water-based formula penetrates metal to dissolve rust and oxidation through chemical action. Rust-inhibiting crystals bond with metal surface to resist future rusting. Dry surface may be painted, welded, plated, lubricated or left bare. Spray, brush or dip on rusted or new metal, galvanized metal, aluminum, stainless steel, cast iron, chrome, brass,

concrete, brick, stucco, stone, marble, porcelain, fiberglass, ceramic, glass, rubber, plastic.

Stk.	Mfr.	Size	Price
<b>889360</b>	MR32	32 oz. spray	<b>\$13.50</b>



### Steel Blue Layout Fluid

**Dykem** An extremely thin translucent film coating with uniform deep blue color that prevents glare and dries in 2-4 minutes. Remains flexible without cracking or chipping and enables you to scribe sharp, clear, precise lines. Resistant to synthetic coolants, soluble oils, kerosene, gasoline, toluene.

Stk.	Mfr.	Size	Price
<b>374020</b>	80000	16 oz. aerosol	<b>\$16.90</b>
<b>374022</b>	80300	4 oz. brush in cap	<b>\$11.20</b>
<b>374024</b>	80400	8 oz. brush in cap	<b>\$14.00</b>



### Layout Fluid Remover & Cleaner

**Dykem** For all surface preparation and removal of Dykem Layout Fluids. Provides better surface adhesion. Prepares metal surfaces. Dries quickly. Does not contain toluene or chlorinated solvents.

Stk.	Mfr.	Size	Price
<b>374025</b>	82038	16 oz.	<b>\$14.80</b>



### Tap Magic Cutting Fluid w/EP-X3

**Tap Magic** A noncorrosive, biodegradable, water-based fluid for most cuts and metals. EP-X3 additive provides a synergistic boost in performance.

**Should not be used on magnesium.**

Stk.	Mfr.	Size	Price
<b>682861</b>	50016Q	16 oz.	<b>\$17.00</b>



### Tap Magic Cutting Fluid w/EP-Xtra®

**Tap Magic** Ozone friendly fluid provides outstanding cutting performance, even hard metals such as stainless steel. EP Xtra® additive gives a synergistic boost in performance.

Stk.	Mfr.	Size	Price
<b>682860</b>	10016E	16 oz.	<b>\$16.50</b>

## BUFFERS & GRINDERS



### Buffers

**Baldor** For use with soft cloth buffing wheels and buffing compounds.

**Includes** start/stop switch & cord.

**Wheels sold separately. Please specify voltage. Buffers meet OSHA regulations if metal wheel covers, exhaust duct & dust collectors are added to the installation.**

### 6" Buffers

Stk.	Mfr.	Wheel Dia.	Volts	HP	Phase	Speed (rpm)	Price
<b>224206</b>	114	6"	115	1/4	1	1,800	<b>\$367.00</b>
<b>224139</b>	111	6"	115	1/3	1	3,600	<b>\$367.00</b>

### 8" Buffers

Stk.	Mfr.	Wheel Dia.	Volts	HP	Phase	Speed (rpm)	Price
<b>224675</b>	332B	8"	115/230	3/4	1	1,800	<b>\$700.00</b>
<b>224742</b>	333B	8"	115/230	3/4	1	3,600	<b>\$700.00</b>



### 7" Buffer/Grinder

**Baldor** General purpose grinding. Exhaust-type guards & nonlighted eyeshields. Grinding wheel: 7" x 1" x 5/8", 36 grit. Wire wheel: 7" x 1" x 5/8", .012 gauge

**Includes** switch, 3-conductor cord & plug.

**Buffers meet OSHA regulations if metal wheel covers, exhaust duct & dust collectors are added to the installation.**

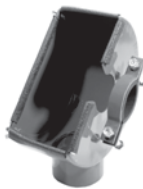
Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>225814</b>	762E	115	1/2	1	3,600	<b>\$598.00</b>



### Adjustable Buffing Mandrel

**Shop Fox** Mandrels easily adapt to 5/8", 3/4" and 1" arbor holes on buffing wheels.

Stk.	Mfr.	Price
<b>785647</b>	D2802	<b>\$6.24</b>



### Buffer Wheel Hoods

**KEI** Fits Baldor Buffers to entrap dust, provide safety & meet OSHA requirements.

- Easy to install
- USA made
- Access panel for easy wheel changing
- Hose outlet provides for dust collection
- Mounts directly to the buffer on the bell end near the shaft

**Please specify Baldor Buffer model.**

**6" Dia.** For Baldor Buffers #'s 111 & 114. Overall size 7" dia. x 4"W x 3" outlet.

Stk.	Mfr.	Item	Price
<b>493780</b>	2401L	Left	<b>\$310.00</b>
<b>493781</b>	2401R	Right	<b>\$310.00</b>

**8" Dia.** For Baldor Buffers #'s 330-B, 332-B, 333-B & 334-B. Overall size 9" dia. x 7"W x 4" outlet.

<b>493782</b>	2406L	Left	<b>\$390.00</b>
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**8" Dia.** For Baldor Buffers #'s 330-B, 332-B, 333-B & 334-B. Overall size 9" dia. x 7"W x 4" outlet.

<b>493783</b>	2406R	Right	<b>\$390.00</b>
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### Buffing Compounds

**Dico** Packed compound tubes printed w/number, type, use & instructions.

**Please visit our website for more information about compounds.**

Stk.	Mfr.	Type	Size	Qty.	Price
<b>335402</b>	529-E5J	Emery	2" x 5"	17.6 oz.	<b>\$12.50</b>
<b>335469</b>	529-TC6J	Tripoli	2" x 5"	12 oz.	<b>\$12.50</b>
<b>335201</b>	529-SCRJ	Stainless	2" x 5"	15.2 oz.	<b>\$12.50</b>
<b>335268</b>	529-CR1J	Chrome Rouge	2" x 5"	16 oz.	<b>\$12.50</b>
<b>335345</b>	529-WR1J	White Rouge	2" x 5"	16 oz.	<b>\$12.50</b>
<b>335335</b>	529-JR1J	Jeweler's Rouge	2" x 5"	21.6 oz.	<b>\$18.00</b>
<b>335134</b>	529-PBCJ	Plastic	2" x 5"	13.6 oz.	<b>\$12.50</b>

**5-Piece Kit Includes** instruction manual & 3.5 oz. size tube each of Emery, Tripoli, Stainless, Chrome Rouge, Jeweler's Rouge.

Stk.	Mfr.	Type	Size	Qty.	Price
<b>335067</b>	533-DBC				<b>\$27.70</b>



### Buffing Wheels

**Dico** Made of 100% cotton for consistent performance. Hand-tufted ply for greater durability

& uniform wear, with tight-looped stitching for longer life. The unique arbor-adapting flanges allow greater versatility.

**Cushion Sewn** A medium density, professional-type buffing wheel for all general purpose buffing. **Includes** two 1/2" flanges.

Stk.	Mfr.	Dia.	Thick	Rows Sewn	Price
<b>335737</b>	526-36-6	6"	1/2"	2	<b>\$12.50</b>
<b>336030</b>	526-41-6	6"	3/4"	2	<b>\$15.00</b>
<b>335810</b>	526-36-8	8"	1/2"	3	<b>\$18.80</b>
<b>336040</b>	526-41-8	8"	3/4"	3	<b>\$23.10</b>

**Canton Flannel** Extra-soft flannel wheel for brilliant finishes and all final coloring operations. Safest wheel to use with rouge on precious metals. Made of 100% cotton for consistent performance. **Includes** two 1/2" flanges.

Stk.	Mfr.	Dia.	Thick	Rows Sewn	Price
<b>336072</b>	526-60-6	6"	1/2"	2	<b>\$12.50</b>
<b>336210</b>	526-60-8	8"	1/2"	2	<b>\$16.30</b>

**Spiral Sewn** Coarse cutting action. Sewn in a continuous spiral from the center to the face. Dependable, well-balanced, long wearing wheels for general shop use. **Includes** toothed flanges for 1/2" spindle.

Stk.	Mfr.	Dia.	Thick	Rows Sewn	Price
<b>335820</b>	526-40-6	6"	1/2"	1/4" spacing	<b>\$15.60</b>
<b>335821</b>	526-40-8	8"	1/2"	1/4" spacing	<b>\$18.70</b>

### Dico Flanges

**Dico** For buffing wheels. 2 flanges required for ea. wheel (sold singly).

Stk.	Mfr.	Size	Qty.	Price
<b>335050</b>	535-58	5/8"	1	<b>\$1.17</b>
<b>335052</b>	535-34	3/4"	1	<b>\$1.17</b>

## GRINDERS



### 2-Wheel Belt Grinders

**JET** Abrasive belt grinder for grinding castings clean or any metal surface that needs deburring.

- Pivots up & down for easy & safe work height adjustments
- Locking hinged top cover opens for access to grind large pieces using the entire length of the belt

- Advanced belt tracking w/vented front wheel fixed in place for rigidity when grinding on the wheel radius
- Sturdy enclosed base
- 3" round connector & hose clamp for ease of mounting to a metalworking dust collection system
- Spark Arrester prevents sparks
- 2-yr. mfr.'s warranty

Belt Size: 3"W x 79"L. Tool size 44"H x 25"W x 43"L. Tool weight 200 lbs. (BG-379-11), 210 lbs. (BG-379-3).

**Includes** 3 belts.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>486019</b>	BG-379-1	220	4	1	6,600	<b>\$1,504.00</b>
<b>486020</b>	BG-379-3	220	4	3	6,600	<b>\$1,504.00</b>



### 6" Deluxe Industrial Grinders

**Baldor** Deluxe unit with permanent split capacitor motor that won't burn out even with repeated overloads (612E has split phase motor). Extra-wide clearance between wheels

for grinding large, odd-shaped items. Toolrests adjust vertically and horizontally. Exhaust-type guards for 2" dia. vent pipe. UL listed.

Wheels: 6" dia. x 3/4"W (36/60 grit). Shaft: 1/2".

**Includes** 2 grinding wheels, eyeshields, exhaust-type guards, 8' 3-conductor cord & plug.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

**Includes pressed steel tool rests.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>225345</b>	612E	115	1/3	1	3,600	<b>\$490.00</b>

**Includes cast iron tool rests.**

<b>225412</b>	623E	115	1/3	1	3,600	<b>\$503.00</b>
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### 6" Grinder

**JET** Hard-working grinder with pre-lubricated enclosed ball bearings, plus cast iron wheel guards and dust vents. UL listed. Large quick-adjust eyeshields.

- 1-piece quick-adjust spark guards
- Rubber mounts secure grinder

Wheels: 6" dia. x 3/4"W (36/60 grit). Shaft: 1/2".

**Includes** eyeshields, wheel guards & dust vents, spark guards, fine & coarse vitrified wheels & adjustable toolrests.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>485801</b>	JBG-6A	115	1/2	1	3,450	<b>\$199.00</b>



### 6" Industrial Grinder

**Baldor** Rugged split-phase motor with slim design for grinding odd-shaped pieces. 2-piece toolrest with vert. / horz. adjustments can be tilted for angle grinding. UL listed.

Wheels: 6" x 3/4" (36/60 grit). Shaft: 1/2".

**Includes** 2 grinding wheels, eyeshields, non-exhaust type guards, 8' 3-conductor cord, plug & pressed steel toolrests.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>225278</b>	612	115	1/3	1	3,600	<b>\$362.00</b>



### 6" VS Bench Grinder

**General Intl.** 2.5 Amp, VS induction motor for smooth grinding or sharpening. Double-sealed ball-bearings and heavy-duty wheel guards (w/dust chute).

- 2 flexible worklights illuminate work

- 4 rubber base mounts reduce vibration

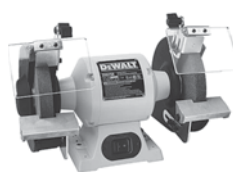
- Water tray to cool sharpened items
- Adjustable aluminum toolrests

Wheels: 6" dia. x 3/4"W (36/100 grit). Shaft: 1/2".

**Includes** eyeshields, wheel dresser, guards, dust chute, 2 grinding wheels, adjustable toolrests, 2 worklights & manual.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>420650</b>	15-660M1	110	1/3	1	2,000/3,450	<b>\$259.00</b>



### 6" Bench Grinder

**DEWALT** 4 Amp induction motor for heavy-duty grinding operations. Industrial cast iron base and motor housing insure prolong life.

- Aluminum adjustable toolrests allow accurate work positioning

- Rear exhaust ports in wheel guards

- 12-1/2" distance between wheels for longer & larger grinding jobs

Wheels: 6" dia. x 5/8"W, accepts 3/4" & 1/2" (36/60 grit). Shaft: 1/2".

**Includes** eyeshields, spark deflectors, toolrests, 2 grinding wheels (medium & coarse) & adj. wrench.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>243064</b>	DW756	120	5/8	1	3,450	<b>\$140.00</b>



### 6" VS Grinder

**DELTA** Toolless quick change wheels and variable speed control offering you convenience and versatility.

- 2-piece tool rests are independently adjustable to compensate for wheel wear & to achieve different angles

- Water tray to help keep workpiece cool while grinding

- Worklight with a separate on/off switch & flexible goose neck

- Cast iron base for durability & reduces vibration during operation

- Adjustable, full-size safety shields

- 5-yr. mfr.'s warranty

Wheel size 6" x 3/4". Shaft 1/2".

**Includes** 36 & 60 grit grinding wheels, 4 rubber feet, 2 safety shields, worklight (40-Watt bulb not included), 6' cord, 2 tool rests & diamond wheel dresser.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	Phase	Speed (rpm)	Price
<b>712478</b>	23-196	120	1	2,000-3,400	<b>\$128.00</b>



### 6" Bench Grinder w/Light

**SKIL**

- Built-in LED worklights over wheels
- Medium & coarse wheels for various materials
- Adjustable tool rests for accurate grinding
- Eye shields for increased safety

- Cast iron base w/pre-drilled holes for quick & easy bench mounting

- Rubber feet for increased stability

Wheels: 6" dia. Shaft: 1/2".

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	Phase	Speed (rpm)	Price
<b>260296</b>	3380-01	120	1	3,450	<b>\$84.60</b>

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### 7" Industrial Bench Model Grinders

**Baldor** I-phase units feature permanent split capacitor motors that won't burn out even if repeatedly overloaded. Lighted eyeshields are wired through switch. Room to grind large, odd-shaped pieces. Water pot and tool tray are mounted on swivel-type arm for convenience.

Supplied with exhaust-type wheel guards. UL listed.

Wheels: 7" dia. x 1"W (36/60 grit). Shaft: 5/8".

**Includes** 2 grinding wheels, cast iron toolrests, 3-conductor cord & plug, start & stop switch (115V models), lighted eyeshields, guards.

**Please specify voltage.**

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>226618</b>	7306D	115/230	1/2	1	1,800	<b>\$911.00</b>
<b>226819</b>	7307D	115/230	1/2	1	3,600	<b>\$911.00</b>
<b>227087</b>	7309D	208-230/460	1/2	3	3,600	<b>\$911.00</b>

227087|Cord & plug are not included.



### 8" Industrial Grinders

**Baldor** I-phase units are ideal for heavy-duty tool grinding and production work. The permanent split capacitor motor won't burn out even if repeatedly overloaded. Features extra-heavy 3/4" shaft, oversize 206 ball bearings

and exhaust-type guards that accommodate 3" vent pipe. Trimly tapered motor provides extra clearance between wheels and motor frame for easy grinding. UL listed.

Wheels: 8" dia. x 1"W (36/60 grit). Shaft: 3/4".

**Includes** 2 grinding wheels, 3-conductor cord & plug, start/stop switch (115V models), eyeshields & guards.

**Please specify voltage.**

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>227221</b>	8100W	115/230	3/4	1	1,800	<b>\$1,009.00</b>
<b>227355</b>	8107W	115/230	3/4	1	3,600	<b>\$1,009.00</b>
<b>227288</b>	8102W	208-230/460	3/4	3	1,800	<b>\$978.00</b>
<b>227422</b>	8123W	208-230/460	3/4	3	3,600	<b>\$978.00</b>

227288 & 227422|Cord & plug are not included.



### 8" VS Grinder



- Upfront VS dial adjusts speeds for a fine level of control
- 5 Amp induction-type motor
- 2-piece tool rests independently adjust to compensate for wheel wear & to achieve different angles

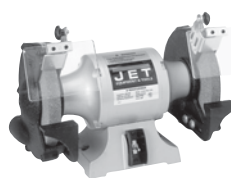
- Water tray cools workpiece while grinding
- Worklight w/on/off switch & flexible goose neck provides illumination
- Cast iron base reduces vibration during operation

Wheels: 8" dia. x 1"W. Shaft: 5/8".

**Includes** 36 & 60 grit wheels, 2 safety shields, worklight, 6' cord & 2 adjustable tool rests.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	Phase	Speed (rpm)	Price
<b>712479</b>	23-197	120	1	2,000- 3,400 rpm	<b>\$184.00</b>



### 8" Grinder

**JET** Pre-lubricated, enclosed ball bearings, cast iron wheel guards and dust vents. UL listed.

- I-piece, quick-adjusting spark guards
- Large eyeshields w/quick adjustment

- Heavy-duty guarded toggle switch

Wheels: 8" dia. x 1"W (36/60 grit). Shaft: 5/8".

**Includes** eyeshields, wheel guards & dust vents, spark guards, fine & coarse vitrified wheels & adjustable toolrests.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>485802</b>	JBG-8A	115	1	1	3,450	<b>\$245.00</b>



### 8" Bench Grinder

**JET** With this slow speed grinder, sharpening woodworking tools has never been easier. Innovative tool rests take the guesswork out of sharpening with an integrated angle indicator and reference lines for alignment.

- Heavy-duty, machined flanges keep grinding wheel true & reduce run out
- Durable cast iron wheel covers
- Built in spark arrestors
- Easily adjustable, oversized shields
- 5-yr. mfr.'s warranty

Wheels: 8" dia. x 1"W. Shaft: 5/8".

**Includes** 2 wheels (80 & 100 grit), tool rests, eyeshields & guards.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>486040</b>	JWBG-8	115	1/2	1	1,725	<b>\$388.00</b>



### 8" Heavy-duty Bench Grinder

**General Intl.** Permanently-lubricated, sealed ball bearings, cast iron wheel guards and dust vents.

- I-piece, quick-adjusting spark guards

- Rubber foot mounts prevent sliding
- Easy-adjust cast toolrests
- Safety key switch
- Large, quick-adjust eyeshields

Wheels: 8" dia. x 1"W (36/60 grit). Shaft: 5/8".

**Includes** eyeshields, wheel guards, dust vents, spark guards, fine & coarse vitrified wheels, adjustable toolrests & manual.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>420660</b>	15-870M1	110	1	1	3,450	<b>\$299.00</b>



### 10" Heavy-duty Bench Grinder

**General Intl.** Heavy-duty, 1-1/2 HP grinder with permanently lubricated sealed bearings, plus cast iron wheel guards and dust vents.

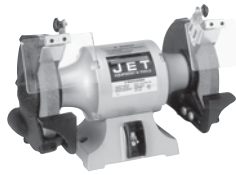
- I-piece, quick-adjusting spark guards

- Large quick-adjust eye shields
- Safety key switch
- Easy-adjust cast tool rests

Wheels: 10" dia. x 1"W (24/46 grit). Shaft: 1".

**Includes** toolrests, spark guards, eyeshields, fine & coarse vitrified grinding wheels, rubber foot mounts & manual.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>420670</b>	15-910M1	110	1-1/2	1	1,725	<b>\$635.00</b>



### 10" Grinder

**J E T** Hard-working grinder has pre-lubricated enclosed ball bearings, plus cast iron wheel guards and dust vents.

- 1-piece, quick-adjusting spark guards
- Large eyeshields w/quick adjustment

- Heavy-duty guarded toggle switch
- Rubber mounts prevent movement
- UL listed

Wheels: 10" dia. x 1"W (24/46 grit). Shaft: 1".

**Includes** eyeshields, wheel guards & dust vents, spark guards, fine & coarse vitrified wheels & adjustable toolrests.

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>485803</b>	JBG-10A	115	1-1/2	1	1,725	<b>\$539.00</b>



### 10" Grinders

**Baldor** Rugged, 1-phase units feature a permanent split capacitor motor that won't burn out even if repeatedly overloaded. Motor frame diameter allows plenty of room for grinding large, odd-shaped objects. Extra-large 206 ball bearings and 7/8" arbor. Cast iron exhaust type guards accommodate 4" vent pipe. UL listed.

Wheels: 10" dia. x 1"W (36/60 grit). Shaft: 7/8".

Wheels: 10" dia. x 1"W (36/60 grit). Shaft: 7/8".

**Includes** 2 grinding wheels, 2-pole switch, eyeshields & guards.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>225948</b>	1022W	115/230	1	1	1,800	<b>\$1,251.00</b>
<b>225881</b>	1021W	208-230/460	1-1/2	3	1,800	<b>\$1,233.00</b>

225881 | Cord & plug are not included.



### 12" Grinders

**Baldor** Unit has manual starter with overload protection, conveniently mounted on grinder. Speed of 1,800 rpm provides desired cutting speed of 5,400 sfpm for tool grinding and most production. Motor dia. allows room for grinding long, odd-shaped pieces. Heavy shaft has oversize 208 ball bearings. Allows for 5" vent pipe. UL listed.

Wheels: 12" dia. x 2"W. Shaft: 1-1/4".

**Includes** manual starter w/overload protection, lighted eyeshields & guards.

**Wheels, pedestal, water pot & tool trays sold separately. Cord & plug not included. Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>226149</b>	1217W	115/230	2	1	1,800	<b>\$2,907.00</b>
<b>226015</b>	1215W	208-230/460	2	3	1,800	<b>\$2,730.00</b>
<b>226082</b>	1216W	208-230/460	3	3	1,800	<b>\$2,827.00</b>

**12" dia. x 2"W, 30 Grit Grinding Wheel** Medium vitrified bond.

<b>224340</b>	BI25					<b>\$214.00</b>
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**12" dia. x 2"W, 46 Grit Grinding Wheel** Medium vitrified bond.

<b>224407</b>	BI26					<b>\$216.00</b>
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### 12" Heavy-duty Grinder w/Stand

**General Intl.**

- Permanently lubricated sealed bearings
- Cast-iron wheel guards & dust vents
- One-piece, quick adjusting spark guards
- Large quick adjust eye shields
- Easy-adjust cast tool rests
- Safety key switch
- Rubber foot mounts prevent sliding

- Large paddle-style stop switch

Wheels: 12" dia. x 2"W. Arbor: 1-1/4".

Tool Size: 20"L x 17"W x 37-1/2"H. Weight: 354 lbs.

**Includes** eye shields, wheel guards, dust vents, tool rests, fine & coarse vitrified wheels, wheel dresser & stand.

**Includes eyeshields & guards to comply w/OSHA standards under normal use.**

Stk.	Mfr.	Volts	HP	Phase	Speed (rpm)	Price
<b>420671</b>	15-920MI	220	1-1/2	1	1,750	<b>\$1,465.00</b>

### Plexiglas Eyeshields

**Baldor**



223402 223268

### Plexiglas Eyeshields W/Mounting Arms

Stk.	Mfr.	Fits	Size	Qty.	Price
<b>223402</b>	GA11	14" Grinders	6" x 4"	2	<b>\$92.50</b>
<b>223335</b>	GA10	6" Baldor Grinders	5" x 4"	2	<b>\$86.50</b>

### Lighted Plexiglas Eyeshields

<b>223268</b>	GA9	Baldor grinders except carbide grinders.	6" x 4"	2	<b>\$214.00</b>
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### Grinder Pedestals

**Baldor**

223536 223603 223670

### Steel

Stk.	Mfr.	Fits	Price
<b>223536</b>	GA14	For 6", 7", 8" & 10" grinders, 1/2 through 1-1/2 HP buffers & carbide grinders.	<b>\$422.00</b>

### Cast Iron

<b>223603</b>	GA16	For 6", 7", 8" & 10" grinders, 1/4 through 1-1/2 HP buffers, belt grinders & carbide grinders.	<b>\$532.00</b>
<b>223670</b>	GA20	For 12" & 14" grinders & 3/4 HP through 10 HP buffers.	<b>\$875.00</b>



### Tool Tray

**Baldor** For GA20 pedestal. 12" x 6".

Stk.	Mfr.	Price
<b>223067</b>	GA4	<b>\$137.00</b>



**Water Pots**  
**Baldor**

**Fits any grinder w/guard cover** Includes mounting bracket & swivel arm.

Stk.	Mfr.	Size	Price
<b>223804</b>	GA24	1-1/2 pints	<b>\$68.50</b>

**Fits GA20 Pedestal**

<b>223000</b>	GA3	3 pints	<b>\$119.00</b>
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**Universal Tool Table**

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>



**Tool Table & Universal Stand**

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top. Top 14" x 40" x 1-1/4"T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>



**Pedestal Stand**  
**J E T**

Includes coolant tank & tool tray.

Stk.	Mfr.	Size	Weight	Price
<b>485804</b>	JPS-2A	11"L x 10"W x 31"H	46 lbs.	<b>\$160.00</b>



**Hooded Wheel Dressers**  
**Desmond**

**Wheel Dressers**

Stk.	Mfr.	Item	Price
<b>323067</b>	11210	#0 up to 10" Dia.	<b>\$21.40</b>
<b>323201</b>	11310	#1 10" to 16" Dia.	<b>\$28.00</b>

**Cutter Sets**

<b>323000</b>	11220	#0	<b>\$3.51</b>
<b>323134</b>	11320	#1	<b>\$4.86</b>

**Arbor Hole Metal Adapters**

**Weiler** If a different arbor hole size is required (to reduce the standard 2" size). Order adapter separately from the brush.

Stk.	Mfr.	Arbor	Qty.	Price
<b>969216</b>	03809	1/2"	2	<b>\$2.71</b>
<b>969217</b>	03810	5/8"	2	<b>\$2.63</b>
<b>969218</b>	03811	3/4"	2	<b>\$2.71</b>
<b>969219</b>	03813	1-1/4"	2	<b>\$2.71</b>

**Abrasive Wheels**



**6" Max Speed 4,140 rpm.**

Stk.	Mfr.	Wheel Width	Arbor	Arbor Bushing	Grit	Price
<b>610864</b>	88235	3/4"	1"	1/2", 5/8", 3/4", 7/8"	Fine	<b>\$15.30</b>
<b>610931</b>	88240	3/4"	1"	1/2", 5/8", 3/4", 7/8"	Medium	<b>\$15.30</b>
<b>610998</b>	88245	3/4"	1"	1/2", 5/8", 3/4", 7/8"	Coarse	<b>\$15.30</b>
<b>611065</b>	88250	1"	1"	1/2", 5/8", 3/4", 7/8"	Fine	<b>\$16.90</b>
<b>611132</b>	88255	1"	1"	1/2", 5/8", 3/4", 7/8"	Medium	<b>\$16.90</b>
<b>611199</b>	88260	1"	1"	1/2", 5/8", 3/4", 7/8"	Coarse	<b>\$16.90</b>

**7" Max Speed 3,600 rpm.**

<b>611266</b>	88265	1"	1"	1/2", 5/8", 3/4", 7/8"	Fine	<b>\$20.80</b>
<b>611333</b>	88270	1"	1"	1/2", 5/8", 3/4", 7/8"	Medium	<b>\$20.80</b>
<b>611400</b>	88275	1"	1"	1/2", 5/8", 3/4", 7/8"	Coarse	<b>\$20.80</b>

**8" Max Speed 3,600 rpm.**

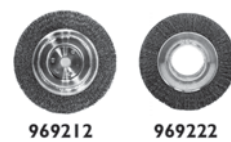
<b>611467</b>	88285	1"	1"	5/8", 3/4", 7/8"	Medium	<b>\$25.50</b>
<b>611534</b>	88286	1"	1"	5/8", 3/4", 7/8"	Coarse	<b>\$25.50</b>

**10" Max Speed 2,458 rpm.**

<b>611601</b>	88290	1"	1-1/4"	3/4", 7/8", 1"	Medium	<b>\$39.30</b>
<b>611668</b>	88295	1"	1-1/4"	3/4", 7/8", 1"	Coarse	<b>\$39.30</b>

**12" Max Speed 2,070 rpm.**

<b>611737</b>	63056	2"	1-1/2"	1-1/4"	Medium	<b>\$159.00</b>
<b>611804</b>	63055	2"	1-1/2"	1-1/4"	Coarse	<b>\$156.00</b>



**Coarse Wire Wheels**

**Weiler** .014 wire dia. size. Solid ring construction ensures that brush will run more smoothly and last longer, even in the toughest service. Heat-treated high-carbon steel wire.

Stk.	Mfr.	Wheel Dia.	Wheel Width	Arbor	Wire Trim Length	Max. Speed (rpm)	Price
<b>969206</b>	01075	6"	3/4"	1/2-5/8"	1-7/16"	6,000	<b>\$22.80</b>
<b>969212</b>	02325	6"	5/8"	1/2-5/8"	1-7/16"	6,000	<b>\$26.40</b>
<b>969222</b>	06080	6"	1"	2"	1-1/8"	6,000	<b>\$44.30</b>
<b>969324</b>	02335	7"	3/4"	5/8"	1-9/16"	6,000	<b>\$33.40</b>
<b>969210</b>	01175	8"	3/4"	5/8"	2-1/16"	6,000	<b>\$31.80</b>
<b>969211</b>	01178	8"	3/4"	3/4"	2-1/16"	6,000	<b>\$32.80</b>
<b>969224</b>	06120	8"	1"	2"	1-3/8"	4,500	<b>\$66.20</b>
<b>969215</b>	03150	8"	1-1/2"	2"	1-3/8"	4,000	<b>\$99.20</b>
<b>969225</b>	06160	10"	1-1/8"	2"	2"	3,600	<b>\$108.00</b>
<b>969226</b>	06190	12"	1-1/4"	2"	3"	3,600	<b>\$137.00</b>

969226, 969225, 969215, 969224 | For more options, see Arbor Hole Metal Adapters, sold separately.

**Fine Wire Wheels**

**Weiler** Solid ring construction ensures that brush will run more smoothly and last longer, even in the toughest service. Heat-treated high-carbon steel wire. Wire dia. is .008" (except 06090 which is .006").

Stk.	Mfr.	Wheel Dia.	Wheel Width	Arbor	Wire Trim Length	Max. Speed (rpm)	Price
<b>969204</b>	01045	6"	1/2"	1/2"-5/8"	1-7/16"	6,000	<b>\$31.30</b>
<b>969221</b>	06050	6"	1"	2"	1-1/8"	6,000	<b>\$58.90</b>
<b>969208</b>	01145	8"	1/2"	5/8"	2-1/16"	6,000	<b>\$42.10</b>
<b>969209</b>	01148	8"	1/2"	3/4"	2-1/16"	6,000	<b>\$42.10</b>
<b>969223</b>	06090	8"	1"	2"	1-3/8"	4,000	<b>\$130.00</b>

969221, 969223 | For more options, see Arbor Hole Metal Adapters, sold separately.

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!

## WET & DRY SHARPENERS

### Knife/Tool Sharpener



**Work Sharp** Ken Onion-designed abrasive belt sharpening system. The 3/4" x 12" premium, flexible engineered abrasive belts sharpen virtually any shape or type of knife blade and uses a precision sharpening guide to ensure a consistent angle every time. The sharpening guide is fully adjustable in 1° increments from 15° to 30°. The VS control (1,200 SFM to 2,800 SFM) provides the optimal belt speed for the task at hand. Also sharpens scissors and many other bladed shop tools and garden tools. Mfr.'s 1-yr. warranty.

Tool size: 5.5"L x 10"W x 6"H.

**Includes** 5-piece abrasive belt kit (P120 Extra Coarse, X65 Coarse, X22 Medium, X4 Fine, 6000 Extra Fine), adjustable knife sharpening guide (15°-30°), user's guide & instructional DVD.

Stk.	Mfr.	Volts	Price
<b>683042</b>	WSKTS-KO	110	<b>\$156.00</b>

### 5-Piece Abrasive Belt Kit

Stk.	Mfr.	Volts	Price
<b>683043</b>	WSSAKO81113		<b>\$16.50</b>



### Knife & Tool Sharpener

**Work Sharp** Flexible abrasive belts produce razor-edged sharpening on virtually any shape of blade. Quickly and easily sharpen knives (straight- & curved-bladed, fillet knives, serrated knives, gut hooks, etc.) and common tools (scissors, axes & hatchets, mower blades, garden shears, shovels & more). Precision-angle guides ensure the proper angle every time. 40° guide for thinner blades and knives (20° per bevel), and 50° guide for outdoor knives (25° per bevel). 1-yr. mfr.'s warranty.

**Includes** 2 angle guides (40° & 50°), serrated knife guide, scissor sharpening guide, abrasive belt kit (2 ea. of coarse, medium & fine grit), instructional DVD, manual.

**Includes** 2 angle guides (40° & 50°), serrated knife guide, scissor sharpening guide, abrasive belt kit (2 ea. of coarse, medium & fine grit), instructional DVD, manual.

**Please visit our website for more information.**

Stk.	Mfr.	Price
<b>683040</b>	WSKTS	<b>\$84.00</b>

**Replacement Belt Kit** **Includes** 6 belts (2 ea. of coarse, medium & fine grit). 1/2" x 12".

Stk.	Mfr.	Price
<b>683041</b>	WSS0002012	<b>\$12.00</b>

### Wood Tool Sharpener WS 3000



**Work Sharp** Heavy-duty use, powerful 1/5 HP, 580 rpm motor sharpens chisel and plane blades up to 2"W to 20°, 25°, 30° or 35° bevel angle without set-up time. Precise, repeatable 5° micro-bevels for faster re-honing.

- Tempered glass grinding wheel accepts 150mm or 6" PSA abrasive, is maintenance free & remains flat & true grinding surface
- 2 glass grinding wheels allow for 4 grits (1 grit per wheel surface)
- Provides slotted abrasives in super fine, extra fine & medium grits to coarse grind or hone all using the Edge-Vision method
- Chisel sharpening port also uses a ceramic oxide lapping abrasive
- T-slot mounting system to attach top tool rest & more
- Skew camp adjustment controls bevel-edge squareness

Size 10"L x 6"W x 8.5"H. Weight 9.7 lbs.

**Includes** two 2-sided tempered glass wheels, Edge-Vision PC/ABS slotted see-through wheel, top tool rest, abrasive cleaner, 4 solid discs (1 ea. solid of fine, extra fine, super fine) & 3 slotted discs (medium, extra fine, super fine).

Stk.	Mfr.	Price
<b>683021</b>	WS3000	<b>\$210.00</b>

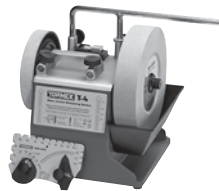
**Abrasive Kit** **Includes** 6 slotted discs (1 ea. of Micro-Mesh™ 6000, medium & 2 ea. of extra fine, super fine).

Stk.	Mfr.	Price
<b>683026</b>	WSSA0002002	<b>\$17.30</b>

**Tool Bar Attachment** Provides a fast, consistent & repeatable way to sharpen lathe & carving tools. **Includes** set-up fixture, bracket assembly, tool bar, P80 abrasive disc & manual.

Stk.	Mfr.	Price
<b>683028</b>	WSSA0002601	<b>\$55.00</b>

### 8" T-4 Sharpener



**Tormek** High quality machine ideal for home and hobby work can sharpen all common edge tools. The T-4 takes precision and stability to a completely new level. Motor and stainless steel main shaft are mounted in zinc cast top which includes integrated sleeves for the Universal Support.

This advanced design ensures an unbeatable precision for the Universal Support, which is the foundation of the Tormek jig system.

- Industrial single phase, maintenance free motor
- Zinc cast top w/impact resistant ABS plastic housing
- Machine plate in metal offers AngleMaster storage
- Silent running, 52 dB, 10,000 hr. life motor
- Mfr.'s 7-yr. warranty
- Handle for easy movement
- Scale for stone diameter

Grinding stone 8" x 1-5/8". Honing wheel 5-3/4" x 1". Overall size 9-1/16"W x 7-7/8"D x 10-1/4"H. Weight 17.6 lbs.

**Includes** aluminum oxide grindstone, leather honing wheel, stone grader, AngleMaster, honing compound, instructional DVD & handbook.

**Jigs, safety eyeshields & guards, sold separately.**

**Please visit our website for more information.**

Stk.	Mfr.	Volts	Speed (rpm)	Duty Motor	Price
<b>193656</b>	T-4	115	120	30 min./hr.	<b>\$458.00</b>



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### 10" T-7 Water-cooled Industrial Sharpener

**Tormek** 230V motor designed for the toughest work can run continuously without overheating. Handles the high grinding pressure required for sharpening HSS turning tools and other hard materials.

Machine is housed in 1/8" welded steel. 7-yr. mfr.'s warranty. Advanced water trough has a built-in

magnet to collect swarf (i.e. metal grinding grit) and attachable chute to catch every drip. Included Square Edge Jig provides exacting chisel alignment (90°) each time. Quick-change coupling for honing wheel. Features truing and dressing tool for keeping the stone in perfect condition for precisely sharpened edges.

Grinding stone 10" x 2". Honing wheel 8-5/8" x 1-7/8".

Overall size 10-5/8"W x 10"D x 12-3/4"H. Weight 32 lbs.

**Includes** grinding stone (220 grit), leather honing wheel, micro adjust w/ scale, Square Edge Jig, AngleMaster, honing compound, advanced water trough, instructional DVD & handbook, truing & dressing tool w/screw feed, fine/coarse stone grader, handle & wall-mount accessory tray.

**Please visit our website for more information.**

**Safety eyeshields & guards, sold separately.**

Stk.	Mfr.	Volts	Speed (rpm)	Duty Motor	Price
<b>193651</b>	T-7	230	90	Continuous	<b>\$762.00</b>

## SAWS

### Power Hacksaw Blades

**Starrett** Redstripe® molybdenum high-speed blades deliver fast, straight cuts on a wide variety of metals.

Stk.	Mfr.	Width	Length	Thickness	TPI	Price
<b>876201</b>	RS-1210-5	1"	12"	.050"	10	<b>\$13.00</b>
<b>876335</b>	RS-1214-5	1"	12"	.050"	14	<b>\$13.00</b>
<b>876670</b>	RS-1410-5	1"	14"	.050"	10	<b>\$15.40</b>
<b>876737</b>	RS-1410-6	1-1/4"	14"	.062"	10	<b>\$19.90</b>
<b>876804</b>	RS-1414-5	1"	14"	.050"	14	<b>\$15.40</b>
<b>876871</b>	RS-1714-5	1"	17"	.050"	14	<b>\$15.00</b>



### 5" x 6" Horiz./Vert. Band Saw

**JET** 3-speed motor with ball bearing supported blade wheel and adjustable ball bearing guides. Heat-treated steel worm gear and bronze drive gear.

- 45° angle vise
- Shelf built into stand

Blade speed 80, 120, 200 fpm.

Blade size 1/2" x .025" x 64-1/2". Wheel 7-3/8" dia.

Capacity: 5" dia. @ 90°, 3" dia. @ 45°, rectangular 5" x 6" @ 90°, 5" x 3" @ 45°.

Table size 9-5/8" x 9-1/2". Unit size 16-1/4" x 42-1/2". Tool weight 115 lbs.

**Includes** blade, blade guards, vertical worktable, rear wheels attached to stand, automatic shut-off & adjustable material stop.

**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
<b>485748</b>	HVBS-56M	115/230	1/2	1	Dry Cut	<b>\$614.00</b>



### 5" x 7" Horiz./Vert. Band Saw

**Wellsaw** Cuts angles, slots, notches, bevels and performs contour work. It features a gear-and-pinion drive.

- Easy band tension adjustment
- Adjustable ball bearing blade guides
- Easy vise adjustment
- Built-in 4" x 6" vertical worktable

- 3-speed power & belt drive

- Automatic shut-off after each cut w/thermal overload protection

Blade speed 54, 100, 190 fpm. Blade size 5'4" x 1/2".

Capacity: 5" dia., 3" @ 45°, rectangular 5" x 7", 3-1/2" x 3-1/4" @ 45°.

Table size 6-1/2" x 24". Unit size 19" x 40". Tool weight 190 lbs.

**Includes** rigid welded steel frame & bed, sturdy, lightweight tubular steel legs, wheel & handle mobility kit, stock stop assembly.

Stk.	Mfr.	Volts	HP	Phase	Type	Price
<b>168000</b>	57	115	1/2	1	Dry Cut	<b>\$2,453.00</b>



### 7" x 11" Horiz./Vert. Band Saws

**Wellsaw** Both cut in horizontal or vertical position, in wet or dry cut options.

- 3-speed V-belt drive
- Switch offers under-voltage & overload protection
- Adjustable gravity feed
- Auto shut-off at completion of cut
- Ball bearing blade guides

Blade speed 76, 141, 268 fpm. Blade size 7" 9" x 1/2". Throat 6-1/4"D x 9-1/2"H.

Capacity: 5-1/2" x 5-1/2" @ 45°, rectangular 7" x 11", round 7". Table 8" x 10" x 26"H. Unit size 26" x 54". Weight 350 lbs. dry/385 lbs. wet.

**Includes** wheel & handle mobility kit, stock stop assembly.

Stk.	Mfr.	Volts	HP	Phase	Type	Price
<b>168067</b>	58-BD	115	1/2	1	Dry Cut	<b>\$3,467.00</b>
<b>168069</b>	58-BW	115	1/2	1	Wet Cut	<b>\$3,640.00</b>



### 7" x 12" Horiz./Vert. Wet Cut Band Saw

**JET** Ideal for machine, maintenance and fabricating shop. Also great for limited run machine production work. Blade drive is steel, heat-treated worm, driving a bronze worm gear in oil bath.

- Oil-bath hardened & ground worm gear
- Adjustable hydraulic feed system

- Adjustable ball bearing blade guides

- Blade guides electric shaft, ball bearing (side) & ball bearings (rear)

- Cast iron saw head & table

- Flanged cast iron blade wheels

- Automatic shut-off at end of cut

- 2-yr. mfr.'s warranty

Blade speed 86, 132, 178, 260 fpm. Blade size 3/4" x .035" x 93".

Wheel 11-7/16" dia. Swivel vise 45°. Throat 6"D x 7"H.

Capacity: 7" @ 90°, 6" @ 45°, rectangular 7" x 10" @ 90°, 7" x 6" @ 45°.

Table 9-1/2" x 10" x 23-1/2"H. Unit size 50" x 18" x 41". Weight 360 lbs.

**Includes** 3/4" carbon steel blade, rapid-acting vise, wheel kit, adj. material stop, coolant pump (1 gal.), hose, flexible nozzle, shut-off valve, tank & baffle.

Stk.	Mfr.	Volts	HP	Phase	Type	Price
<b>961507</b>	J-3410	115	3/4	1	Wet Cut	<b>\$1,680.00</b>

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### 7" x 12" Horz./Vert. Band Saw

**J E T** Sturdy saw boasts heavy cast iron bow and bed. Roller cabinet features built-in chip tray.

- Automatic shut-off after cut
- Hardened & ground worm gear
- Adjustable roller blade guides
- UL listed

Blade speed 85, 130, 180, 285 fpm. Blade size 3/4" x 0.032" x 93". Wheel 11-3/4" dia. Vise swivel 45°. Throat 7"D. Capacity: 7" @ 90°, 4-1/2" @ 45°, rectangular 2" x 12", 7" x 8-1/2" @ 90°, 3/4" x 0.032" x 93" @ 45°. Table size 9-3/8" x 10" x 23"H. Unit size 20-1/2" x 49-1/2". Weight 318 lbs.

**Includes** complete coolant system, vertical worktable, chip brush, adjustable material stop & bi-metal 5/8 TPI saw blade.

**Please specify voltage. Pre-wired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
485807	HVBS-7MW	115/230	3/4	1	Wet Cut	\$1,484.00



### 8" x 14" Horz. Band Saw

**J E T** Heavy-duty geared head transmission for quick speed changes. Hydraulic downfeed for ease of cut.

- Heavy cast iron bow & bed
- Hardened & ground worm gear
- Roller cabinet w/built-in chip tray
- Automatic shut-off after cut

Blade speed 135, 197, 256 fpm. Blade size 3/4" x .035" x 97". Wheel 12" dia. Vise swivel 45°. Throat 8"D. Capacity: 8" @ 90°, 6-1/2" @ 45°, rectangular 8" x 14" @ 90°, 6-1/2" x 4-1/2" @ 45°. Table size 26"H. Unit size 51-1/2" x 18-1/8". Weight 287 lbs.

**Includes** coolant system, adjustable material stop, bi-metal variable pitch blade, quick-action vice & chip brush.

**Please specify voltage. Pre-wired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
485759	HBS-814GH	115/230	3/4	1	Wet Cut	\$3,004.00



### 9" x 16" Horz./Vert. Band Saw

**J E T** Large handwheel and built-in gauge for easy blade tensioning. Blade guides feature parallel double row ball bearing support with coolant distributed throughout.

- Built-in & self-propelled blade brush
- TEFC motor
- Removable fast-cleanup chip tray

- Blade is fully guarded regardless of blade guide position
- Quick-positioning vise w/fully adjustable jaws swivel to 45°
- Fully adjustable hydraulic downfeed w/separate on/off valve

Blade speed 82, 132, 170, 235 fpm. Blade size 1" x 0.032" x 119-1/2". Wheel 13" dia. Vise swivel 45°. Throat 9"D. Capacity: 9" @ 90° & 45°, rectangular 2" x 16", 9" x 14" @ 90°, 9" x 7-3/4" @ 45°. Table size 25"H. Unit size 65" x 28". Weight 625 lbs.

**Includes** automatic shut-off after cut, complete coolant system, carbide blade guides w/rollers, bi-metal 4/6 TPI blade & adjustable material stop.

**Please specify voltage. Pre-wired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
485808	HBS-916W	115/230	1-1/2	1	Wet Cut	\$3,993.00



### 12" Vertical Metal Cutting Band Saw

**Baileigh** Band saw has 4 operating speeds and heavy duty motor operating on 220V power. Blade welder is included for accessing middle cuts on projects.

- Fully welded frame & industrial grade components
- Oversized table pivots front to back & left to right

Blade speed 80-319 fpm.

Blade size 100.39"L x 1/4"-1/2"W.

Throat 11-3/8"D x 7-3/4"H. Welder 1.5 KVA.

Table size 19-3/4" x 19-3/4".

Table tilt 10° F&B, 15° L&R. Unit size 36"L x 27"W x 61"H. Weight 441 lbs.

**Includes** blade welder.

**May also be used as a wet cut saw.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
222550	BSV-12	220	1/2	1	Dry Cut	\$3,692.00



### 14" Vertical Band Saw

**J E T** Designed for shop or production use, including cutting ferrous materials, this band saw has variable speeds to provide proper adjustment for high efficiency cutting.

- Heavy-duty enclosed steel frame
- Multi-tilting worktable
- Built-in blade shear, welder & grinder
- Easy-to-read blade tension indicator

Blade speed 82-330 fpm. Blade size 114"L, 1/8" x 1/2"W.

Throat 14"D x 8"H. Welder 1.5 KVA. Table size 20" x 20".

Table tilt 8° F&B, 12°L & 15°R. Unit size 34" x 24". Weight 580 lbs.

**Includes** blade, blade welder, grinder & cutter, worktable, work lamp, chip blower, set of tools, blade & tire cleaning brush.

**Please specify voltage. Pre-wired 115V.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
485805	VBS-1408	115/230	1	1	Dry Cut	\$4,646.00



### 16" Vertical Band Saw

**J E T** Two speed gearbox added to variable speed allows quick setting and proper adjustment for high-efficiency cutting. It will cut both ferrous and nonferrous metals. Features increased accuracy with included rip fence (use on either side of the blade).

- Heavy-duty enclosed steel frame
- Multi-tilting worktable
- Built-in blade shear, welder & grinder

- Easy-to-read blade tension indicator

Blade speed: low 82-330 fpm, high 985-3,950 fpm.

Blade size 123-1/2"L, 1/8" x 5/8"W. Throat 15-1/2"D x 10"H.

Welder 1.5 KVA. Table size 22" x 24". Table tilt 8° F&B, 12° L & 15° R.

Unit size 37" x 28". Weight 900 lbs.

**Includes** blade, blade welder, grinder & cutter, worktable, work lamp, chip blower, set of tools, blade & tire cleaning brush, plus workpiece guide.

**Please specify voltage. Pre-wired 230V.**

Stk.	Mfr.	Volts	HP	Phase	Type	Price
485806	VBS-1610	230/460	2	3	Dry Cut	\$6,529.00

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## Metal-cutting Band Saw Blades

**Morse** 10, 14, 18 tooth are raker set w/hard edge & flex back.

**Priced per individual blade.**

### Wells 49A & 300

Stk.	Width	Length	Thickness	TPI	Price
<b>537603</b>	1/2"	5' (60")	.025"	10	<b>\$13.70</b>
<b>537670</b>	1/2"	5' (60")	.025"	14	<b>\$13.70</b>
<b>537737</b>	1/2"	5' (60")	.025"	18	<b>\$13.70</b>

### Wells 57

Stk.	Width	Length	Thickness	TPI	Price
<b>537804</b>	1/2"	5' 4" (64")	.025"	10	<b>\$14.10</b>
<b>537871</b>	1/2"	5' 4" (64")	.025"	14	<b>\$14.10</b>
<b>537938</b>	1/2"	5' 4" (64")	.025"	18	<b>\$14.10</b>

### Delta 4" x 6"

Stk.	Width	Length	Thickness	TPI	Price
<b>537940</b>	1/2"	5' 4-1/2" (64-1/2")	.025"	10	<b>\$14.10</b>
<b>537941</b>	1/2"	5' 4-1/2" (64-1/2")	.025"	14	<b>\$14.10</b>
<b>537942</b>	1/2"	5' 4-1/2" (64-1/2")	.025"	18	<b>\$14.10</b>

### Kalamazoo 610 & 7AD

Stk.	Width	Length	Thickness	TPI	Price
<b>538742</b>	1/2"	7' 5" (89")	.025"	10	<b>\$15.90</b>
<b>538809</b>	1/2"	7' 5" (89")	.025"	14	<b>\$15.90</b>
<b>538876</b>	1/2"	7' 5" (89")	.025"	18	<b>\$15.90</b>

### Wells 58B

Stk.	Width	Length	Thickness	TPI	Price
<b>539077</b>	1/2"	7' 9" (93")	.025"	10	<b>\$16.30</b>
<b>539144</b>	1/2"	7' 9" (93")	.025"	14	<b>\$16.30</b>
<b>539211</b>	1/2"	7' 9" (93")	.025"	18	<b>\$16.30</b>

### Jet HVBS-7MW

Stk.	Width	Length	Thickness	TPI	Price
<b>539220</b>	3/4"	7' 9" (93")	.032"	10	<b>\$17.70</b>
<b>539221</b>	3/4"	7' 9" (93")	.032"	14	<b>\$17.70</b>
<b>539222</b>	3/4"	7' 9" (93")	.032"	18	<b>\$17.70</b>

### Delta 14"

Stk.	Width	Length	Thickness	TPI	Price
<b>539283</b>	1/4"	7' 9-1/2" (93-1/2")	.025"	10	<b>\$15.00</b>
<b>539284</b>	1/4"	7' 9-1/2" (93-1/2")	.025"	14	<b>\$15.00</b>
<b>539479</b>	1/2"	7' 9-1/2" (93-1/2")	.025"	10	<b>\$16.30</b>
<b>539546</b>	1/2"	7' 9-1/2" (93-1/2")	.025"	14	<b>\$16.30</b>
<b>539613</b>	1/2"	7' 9-1/2" (93-1/2")	.025"	18	<b>\$16.30</b>

### W.F.Wells A7

Stk.	Width	Length	Thickness	TPI	Price
<b>539747</b>	1/2"	7' 10" (94")	.025"	10	<b>\$16.30</b>
<b>539814</b>	1/2"	7' 10" (94")	.025"	14	<b>\$16.30</b>
<b>539881</b>	1/2"	7' 10" (94")	.025"	18	<b>\$16.30</b>

### Powermatic 14"

Stk.	Width	Length	Thickness	TPI	Price
<b>539952</b>	1/4"	7' 11" (95")	.025"	14	<b>\$15.00</b>
<b>540018</b>	3/8"	7' 11" (95")	.025"	14	<b>\$15.70</b>
<b>540149</b>	1/2"	7' 11" (95")	.025"	10	<b>\$16.30</b>
<b>540216</b>	1/2"	7' 11" (95")	.025"	14	<b>\$16.30</b>
<b>540283</b>	1/2"	7' 11" (95")	.025"	18	<b>\$16.30</b>
<b>540355</b>	3/4"	7' 11" (95")	.032"	14	<b>\$17.70</b>

### Jet HBS-814GH

Stk.	Width	Length	Thickness	TPI	Price
<b>540380</b>	3/4"	8' 1" (97")	.032"	10	<b>\$18.30</b>
<b>540381</b>	3/4"	8' 1" (97")	.032"	14	<b>\$18.30</b>
<b>540382</b>	3/4"	8' 1" (97")	.032"	18	<b>\$18.30</b>

### Jet VBS-1408

Stk.	Width	Length	Thickness	TPI	Price
<b>541000</b>	1/4"	9' 6" (114")	.025"	14	<b>\$16.10</b>
<b>541002</b>	3/8"	9' 6" (114")	.025"	14	<b>\$16.90</b>
<b>541004</b>	1/2"	9' 6" (114")	.025"	10	<b>\$16.80</b>
<b>541006</b>	1/2"	9' 6" (114")	.025"	14	<b>\$16.80</b>
<b>541008</b>	1/2"	9' 6" (114")	.025"	18	<b>\$16.80</b>

### Delta 8" & 14"

Stk.	Width	Length	Thickness	TPI	Price
<b>541009</b>	3/4"	9' 8-7/8" (116-7/8")	.032"	10	<b>\$19.90</b>

### Jet HBS-916W

Stk.	Width	Length	Thickness	TPI	Price
<b>541010</b>	1"	9' 11-1/2" (119-1/2")	.025"	14	<b>\$22.80</b>

### Jet VBS-1610

Stk.	Width	Length	Thickness	TPI	Price
<b>541030</b>	1/2"	10' 3-1/2" (123-1/2")	.025"	10	<b>\$17.70</b>
<b>541032</b>	1/2"	10' 3-1/2" (123-1/2")	.025"	14	<b>\$17.70</b>
<b>541034</b>	1/2"	10' 3-1/2" (123-1/2")	.025"	18	<b>\$17.70</b>

### Jet HBS-1018W

Stk.	Width	Length	Thickness	TPI	Price
<b>541225</b>	1"	10' 10-1/2"	.025"	14	<b>\$24.20</b>

### Kalamazoo 9AD

Stk.	Width	Length	Thickness	TPI	Price
<b>541087</b>	3/4"	10' 10-1/2" (130-1/2")	.032"	10	<b>\$21.10</b>
<b>541154</b>	3/4"	10' 10-1/2" (130-1/2")	.032"	14	<b>\$21.10</b>
<b>541221</b>	3/4"	10' 10-1/2" (130-1/2")	.032"	18	<b>\$21.10</b>

### W.F.Wells L9

Stk.	Width	Length	Thickness	TPI	Price
<b>541288</b>	3/4"	11' 6" (138")	.032"	10	<b>\$21.60</b>
<b>541355</b>	3/4"	11' 6" (138")	.032"	14	<b>\$21.60</b>
<b>541422</b>	3/4"	11' 6" (138")	.032"	18	<b>\$21.60</b>

### Delta 20"

Stk.	Width	Length	Thickness	TPI	Price
<b>541891</b>	1/2"	11' 9" (141")	.025"	10	<b>\$18.90</b>
<b>541958</b>	1/2"	11' 9" (141")	.025"	14	<b>\$18.90</b>
<b>542025</b>	1/2"	11' 9" (141")	.025"	18	<b>\$18.90</b>
<b>542432</b>	1/4"	12' 6" (150")	.025"	10	<b>\$17.30</b>
<b>542433</b>	1/4"	12' 6" (150")	.025"	14	<b>\$17.30</b>
<b>542434</b>	1/4"	12' 6" (150")	.025"	18	<b>\$17.30</b>
<b>542496</b>	3/8"	12' 6" (150")	.025"	10	<b>\$18.30</b>
<b>542497</b>	3/8"	12' 6" (150")	.025"	14	<b>\$18.30</b>
<b>542628</b>	1/2"	12' 6" (150")	.025"	10	<b>\$19.30</b>
<b>542695</b>	1/2"	12' 6" (150")	.025"	14	<b>\$19.30</b>
<b>542762</b>	1/2"	12' 6" (150")	.025"	18	<b>\$19.30</b>

### Powermatic 20"

Stk.	Width	Length	Thickness	TPI	Price
<b>543097</b>	1/2"	12' 7" (151")	.025"	10	<b>\$19.80</b>
<b>543164</b>	1/2"	12' 7" (151")	.025"	14	<b>\$19.80</b>
<b>543231</b>	1/2"	12' 7" (151")	.025"	18	<b>\$19.80</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

### Metal-cutting Blades



#### Delta 4" x 6"

Stk.	Mfr.	Width	Length	Thickness	TPI	Price
<b>705691</b>	20-331	1/2"	5' 4-1/2" (64-1/2")	.025"	10	<b>\$16.30</b>
<b>705692</b>	20-332	1/2"	5' 4-1/2" (64-1/2")	.025"	14	<b>\$15.50</b>

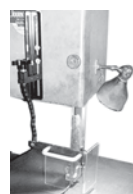
#### Delta 8" x 14"

Stk.	Mfr.	Width	Length	Thickness	TPI	Price
<b>705812</b>	20-722	3/4"	9' 8-15/16" (116-15/16")	.032"	6	<b>\$27.00</b>

### Bi-Metal Matrix II Band Saw Blades

**MORSE** High-speed matrix cutting edge is electron-beam welded to a low-alloy, shock-resistant back. Resists higher cutting temperatures than M-2 and carbon steel blades. Blades combine good heat and wear-resistance with excellent toughness and shock-resistance. The blades of choice for production-type cutting involving free-machining materials and interrupted cuts. Variable pitch teeth.

Stk.	Width	Length	Thickness	TPI	Price
<b>537604</b>	1/2"	5' (60")	.025"	10/14	<b>\$32.90</b>
<b>537805</b>	1/2"	5' 4" (64")	.025"	10/14	<b>\$35.10</b>
<b>538743</b>	1/2"	7' 5" (89")	.025"	10/14	<b>\$44.20</b>
<b>539078</b>	1/2"	7' 9" (93")	.025"	10/14	<b>\$46.40</b>
<b>539480</b>	1/2"	7' 9-1/2" (93-1/2")	.025"	10/14	<b>\$46.40</b>
<b>539748</b>	1/2"	7' 10" (94")	.025"	10/14	<b>\$46.40</b>
<b>540150</b>	1/2"	7' 11" (95")	.025"	10/14	<b>\$46.40</b>
<b>539001</b>	1/2"	7' 11-1/2" (95-1/2")	.025"	10/14	<b>\$46.40</b>
<b>541280</b>	1/2"	11' 6" (138")	.025"	10/14	<b>\$62.20</b>



#### Visorguard™ Blade Guard

**Flexbar** Provides complete protection between cutting blade & operator's hands & eyes. Easy-position handle. Adjustable tension 9"L flexbar arm permits correct setting of guard for each set-up. Drill & tap 2 holes to install. L-shaped Lexan shield is 6"H x 6"W x 4"D & fits most band saws with 18" maximum throat height. Includes vertical angle

mounting bracket w/11" of height adjustment, mounting screws w/self-locking nuts.

Stk.	Mfr.	Price
<b>408710</b>	13464	<b>\$210.00</b>



#### Saw Blade Lubricant Stick

**Olson** Prolong blade life & produce smoother,

quicker cuts. Wax stick keeps metal, plastic & wood-cutting blades from clogging due to chips or pitch. Use on all power & hand-held cutting tool blades including scroll, circular, hack & jeweler's saw blades.

Stk.	Mfr.	Size	Price
<b>613750</b>	AC70010	8"L x 1" dia.	<b>\$7.89</b>

## CAN'T FIND IT?

We have access to 1,000's of Products not listed here.

Call us for assistance. 800-831-5904

### 9" Cold Miter Cut-off Saw

**JET** Small saw easily moves to various workstations to complete cutting operations throughout the shop or on the job site. Durable cast iron construction. Quickly cuts small solids, tubing and structural shapes, with a smooth, mill-like finish.



- Full-blade guard for safety

- Main power switch w/removable safety key
- Sturdy oil bath gear box design
- Magnetic starter w/overload protection
- Double self-centering vise w/dual jaws for burr-free cuts
- Cuttinghead swivels up to 45° for miter cuts
- Control handle w/built-in spring-loaded trigger switch
- Adjustable work stop for repetitive cutting lengths

Belt 9" dia. Speed 52 rpm. Vise opening 2-1/16".  
Cutting capacity: @ 90° 2-1/2" md., 2-1/4" sq. @ 45° 2" md., 1-1/2" sq.  
Tool size 30"L x 17"W x 32"H. Tool weight 145 lbs.

**Includes** flood coolant system w/removable tray, double self-centering vise, adjustable work stop & blade guard.

**Cut-off wheel sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>981691</b>	J-F225	115	1	1	<b>\$1,237.00</b>

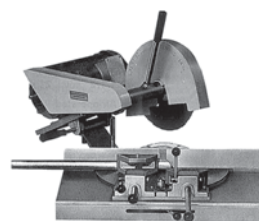
#### 9" Cut-off Wheel

Stk.	Mfr.	Volts	HP	Phase	Price
<b>981701</b>	579000				<b>\$224.00</b>

### 10" Miter Saws

**Kalamazoo** Saw angles from 0° to 45° either way.

- Positive index stops up & down
- 2 cam-lock vises



Blade 10" dia., 5/8" arbor. Speed 3,450 rpm.  
Cutting capacity: @ 90° 2" md., 3-1/4" sq.  
@ 45° 1-1/2" md., 2-1/2" sq.

Tool size 25"L x 24"W x 17"H. Tool weight 220 lbs.

**Includes** 2 vises & lever lock for table. Cut-off wheel sold separately.

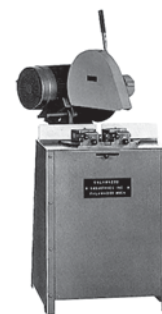
**Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>491612</b>	KM10-1	110/220	3	1	<b>\$1,727.00</b>
<b>491613</b>	KM10-3	220/440	3	3	<b>\$1,727.00</b>

### 14" Miter Saws

**Kalamazoo** Miters 0° to 45° either direction and has the varied cutting capacities.

- Positive index holes, up & down stops
- 2 cam-lock vises
- Manual switch w/overloads



Blade 14" dia., 1" arbor. Speed 4,400 rpm.  
Cutting capacity: @ 90° 3" md., 4" sq.  
@ 45° 2-1/2" md., 3" sq.

Tool size 26"L x 24"W x 50"H. Tool weight 400 lbs.

**Includes** heavy-duty stand, 2 vises & front table lock.

**Cut-off wheel sold separately. Please specify voltage.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>491615</b>	KM14-1	110/220	5	1	<b>\$4,078.00</b>
<b>491614</b>	KM14-3	220/440	5	3	<b>\$3,707.00</b>



### 10-3/4" Industrial Cold Saw

**Scotchman** Manual, low-turn saw for cutting solid mild steel, solid stainless steel and thick wall pipe. 2 cutting speeds (30/60 rpm). Manual, double self-centering vise assures burr-free cuts.

- Hardened, ground worm & wheel gear box
- Quality bronze worm wheel
- Chip drawer
- Miter locking device for quick, accurate settings
- Positive miter stops at 45° R&L
- Operator-controlled trigger switch

- Capable of slotting
- 3-yr. mfr.'s warranty
- USA made

Blade 10-3/4" dia., 1-1/4" arbor. Speed 30 & 60 rpm.

Cutting capacity: @ 90° 1-1/2" md., 1-1/2" sq. @ 45° 1" md., 1" sq.

Tool size 21-7/8"L x 43-1/2"W x 53-1/4"H (w/out feed handle).

Weight 600 lbs.

**Includes** HSS blade, steel stand, 7 gal. coolant tank w/pump, blade wrench, chip drawer & concentrated coolant (gal).

Stk.	Mfr.	Volts	HP	Phase	Price
<b>772010</b>	CPO275-LT	230	2	3	<b>\$5,779.00</b>



### 11" & 12" Ferrous Cold Miter Saws

**JET** Cast, dual pivot saw head offers 2 cutting speeds. Integral flood-style coolant system with 1.5 gal. tank capacity. Cam-handle clamping system for quick release.

- Heavy-duty, cast iron frame base
- Hardened, ground worm & wheel gear box
- 30" material length stop
- Capable of slotting
- 2-yr. mfr.'s warranty

Blade: CS-275 11" dia. 1.25" arbor. 54, 108 rpm.  
CS-315 12" dia. 1.25" arbor. 52, 104 rpm.

Cut capacity: CS-275 @ 45° 2.5" md., 2.2" sq. @ 90° 1.5" md., 2.5" sq.

CS-315 @ 45° 2" md., 2.6" sq. @ 90° 2" md., 3.2" sq.

Tool size: CS-275 27"L x 25"W x 61"H. Weight 350 lbs.

CS-315 40"L x 40"W x 70"H. Weight 390 lbs.

**Includes** flood coolant system w/removable tray, double self-centering vise, adjustable work stop & blade guard.

**Cut-off wheel sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486124</b>	CS-275	220	1.5	3	<b>\$2,260.00</b>
<b>486125</b>	CS-315	220	2	3	<b>\$2,700.00</b>



### 10" Cut-off Saws

**Kalamazoo** 3 HP motor with big job capacity will handle solid stock and round pipe.

- Arbor w/sealed bearings
- Work length stop
- Swivel cam vise opens 4" (w/fast lever lock)

Blade 10" dia., 5/8" arbor. Speed 3,450 rpm.

Cutting capacity: @ 90° 1-1/2" md., 2-1/2" sq.

Tool size 23"L x 10"W x 14"H. Tool weight 110 lbs.

**Includes** switch & swivel vise.

**Please specify voltage. Cut-off wheel sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>491201</b>	K10B-1	110/220	3	1	<b>\$1,207.00</b>
<b>491268</b>	K10B-3	220/440	3	3	<b>\$1,207.00</b>



### 14" Metal-cutting Cut-off Saw

**DEWALT** Motor provides overload protection, increasing performance and durability. Tool-free Quik-Fence™ pivots 45° for fast, accurate angle cuts. Steel base allows for welding jigs or stops directly to the base.

- Tool-free Quik-Change™ Blade System

- Compression spring provides smooth movement & durability
- Quick & easy wheel change spindle lock
- Quick-lock vise clamps onto various size materials
- X-wide solid steel base w/pre-drilled bolt holes
- Heavy-duty, lock-down pin secures head for transport
- Soft start extends gear & motor life
- Ergo D-handle reduces fatigue
- Adjustable spark guard
- Easily accessible brushes

Blade 14" dia., 1" arbor. Speed 4,000 rpm.

Cutting capacity @ 90° 5" md., 4-1/2" sq. Tool size 21"L. Weight 39 lbs.

**Includes** 14" abrasive wheel, vise, tool-free flange system & fence.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>242863</b>	D28715	120	15	5.5	<b>\$300.00</b>



### 14" Cut-off Saw w/Easy-grip Handle

**Thakita** Experience precise, repeatable cutting depth, sustained by adjustable depth stop. Guide plate adjusts 45° right & left, has 3 locations to accommodate cutting various sizes of materials.

- On-board socket wrench storage
- Shaft lock for easy wheel changes

- Lock-off button prevents accidental start
- Spark diversion guard adds safety
- Quick-release vise for secure stock retention, fast repeated cut-offs

Blade 14" dia., 1" arbor. Speed 3,800 rpm.

Cutting capacity: @ 90° & 45° 4-1/2" md., 4-11/16" sq.

Tool size 19-3/4". Tool weight 36.6 lbs.

**Includes** 2 switch buttons, abrasive wheel & socket wrench.

Stk.	Mfr.	Volts	Amps	Price
<b>511427</b>	2414NB	115	15	<b>\$266.00</b>



### 14" Abrasive Chop Saw

**Milwaukee** Durable light weight design for portability and durability. Oversized wheel guards provide added debris protection.

- Powerful motor for maximum cutting performance
- Versatility for a wide range of cutting applications

- All ball bearing construction for durability
- Quick adjust vise clamp
- Large spindle lock button for easy blade changes
- 45° miter capacity & adjustable fence allows quick & accurate cuts without flipping heavy material

Blade 14" dia., 1" arbor. Speed 3,900 rpm.

Cutting capacity: @ 90° 5" md., 5" sq. Tool size 16"L. Tool weight 40 lbs.

**Includes** vise, abrasive wheel & hex wrench.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>575899</b>	6177-20	120	15	4	<b>\$221.00</b>



### 14" Cut-off Saw

**HITACHI** Portable, lightweight, rugged machine with easy-to-use adjustable fence.

- Angle chute off back of saw diverts sparks
- Trigger switch w/lock-off button
- Comfort, elastomer-coated use & carry D-handle absorbs vibration
- Quick-lock/release vise for fast feeding & changing of material sizes

- Spindle lock for quick abrasive wheel changes
- Cuts steel materials & more (pipes, shaped steel, round bars, angle iron, conduit pipe, channels, tubing & drywall track)
- Miters 45° R&L

Blade 14" dia., 1" arbor. Speed 3,800 rpm.  
Cutting capacity @ 90° 4-7/8" md., 4-7/8" sq.  
Tool size 23-3/4"W x 11-1/4"D x 23-3/4"L. Tool weight 36.4 lbs.

**Includes** 14" cut-off wheel & 8mm hex bar wrench.

Stk.	Mfr.	Volts	Amps	Price
<b>616530</b>	CCI4SF	120	15	<b>\$181.00</b>



### 14" Metal Devil® Dry-cut Saw

**MORSE** Fast burr-free cutting with little sparking. Powerful 15 amp motor cuts cool for immediate handling of material. Great for cutting structural and shaped steel, studs, rebar, steel framing, trusses, joists, threaded rod, conduit and gutters.

- Metal Devil Blade allows saw to move through metal faster w/very little friction

- Chamber collects all chips & minimizes sparks, deadens sound
- Secure beveling vice w/45° & 90° capability
- UL & ANSI listed
- Fully-enclosed blade when not cutting
- 1-yr. mfr.'s warranty
- Sure grip handle steadies saw
- Retractable blade guard
- Plexiglas safety shield
- Solid heavy-duty steel base

Blade 14" dia., 1" arbor. Speed 1,300 rpm.  
Cutting capacity: @ 90° 5-1/8" md., 4-3/4" sq. @ 45° 4-1/8" md., 3-1/2" sq.  
Tool size 12"L x 18-1/2"D x 17"H. Tool weight 53 lbs.

**Includes** steel-cutting blade, safety guard, beveling vise, 2 hex wrenches (8 & 6 mm), safety glasses & ear plugs.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>877772</b>	CSM14MB	120	15	2-1/2	<b>\$803.00</b>

**Steel-cutting blade** Carbide-tipped 14", 66 tpi blade.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>877776</b>	CSM1466NSC				<b>\$256.00</b>



### 14" Multi-Cutter Saw

**DEWALT** Cuts 4x faster than chop saws and 8x faster than portable band saws in angle iron (2" x 2" x 1/4"). Versatile saw cuts a variety of materials (ferrous & nonferrous metals). 70-tpi CT blade keeps depth-of-cut constant, is less expensive than abrasive wheels and delivers fast, precise burr-free cuts.

- Quick-retracting guard allows line-of-cut viewing & chip protection
- Efficient vertical clamping system
- Ergonomic D-shaped handle is integrated for carrying
- 45° pivoting fence provides fast, accurate angle cuts
- Heavy-duty lock-down pin secures saw head for carrying
- Compression spring provides smooth movement & durability
- Quick blade change spindle lock & accessible brushes
- Wide steel base allows for welding jigs or stops directly to the base, w/4 bolt-down holes
  - Adjustable guard directs chips away

Blade 14" dia., 1" arbor. Speed 1,300 rpm.  
Cutting capacity: @ 90° 5-3/16" md., 6-1/2" sq.  
Tool size 21"L. Tool weight 47 lbs.

**Includes** 14" carbide-tipped blade, vertical clamp & on-board wrench.

Stk.	Mfr.	Volts	Amps	HP	Price
<b>243044</b>	DW872	120	15	4	<b>\$608.00</b>

### 14" Abrasive Cut-off Wheel

**PORTER-CABLE** Formulated to cut full range of materials while delivering consistent cutting speed & long life. For 1400, 2424NB, 2414DB, 6176-20.

Stk.	Mfr.	Blade Dia.	Price
<b>942841</b>	89399	14"	<b>\$8.44</b>



### Chop Saw Laser Guide

**Irwin** Retro-fits abrasive chop saws into laser-guided power tools. Projects a laser guide line for faster, more accurate cuts. Easy to install. Automatic on/off w/saw blade rotation. Battery life 5,000 cuts, diode life 2 million cuts.

**Includes** batteries, adapter & case.

**Will not fit Bosch, Ridgid or ProTech Chop Saws.**

Stk.	Mfr.	Fits	Price
<b>619504</b>	3061002	8-1/4", 8-1/2", 10", 12" saws	<b>\$24.20</b>

### Evolution 7" & 9" Metal-cutting Circular Saw Blades

**MORSE**

Stk.	Mfr.	Blade Dia.	Arbor	Teeth	Price
<b>877777</b>	CSM740NSC	7"	7/8"	40	<b>\$95.90</b>
<b>877778</b>	CSM948NSC	9"	1"	48	<b>\$119.00</b>

### Cut-off Wheels

**NORTON**

#### Abrasive Cut-off Blades

Stk.	Mfr.	Item	Blade Dia.	Arbor	Thickness	Price
<b>612210</b>	89390	For metal	10"	5/8"	3/32"	<b>\$10.40</b>
<b>612211</b>	89392	For metal	12"	1"	1/8"	<b>\$14.40</b>

**Aluminum Oxide** For metal.

<b>612003</b>	89010		8"	5/8" Diamond	1/8"	<b>\$5.11</b>
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*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

## DRILL PRESSES



### 16" Gear Driven Metal Drill Press

**Baileigh** Gear head drill press with wide diameter column, heavy gear transmission, solid cast iron base and adjustable table. Large column reduces flexing. Gear head adjusts up or down. Transmission offers multiple speeds that are perfect for drilling and tapping an array of different materials.

Capacities: drilling 1", tapping M16. Column 4" dia. Spindle speed 130 - 2,348 rpm. Spindle travel 5.3" Spindle taper MT-3. Table work surface 19.75"L x 13.75"W. Tool size 15.5"L x 19.5"W (at base). Tool weight 750 lbs. (shipping).

**Includes** halogen light & protective guarding.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>222580</b>	DP-1000G	110	3/4	1	<b>\$2,892.00</b>



### 18" Drill Press

**DELTA** VS push-button drill press motor provides power for demanding drilling operations. Full 6" quill stroke capacity for drilling variety.

- Auto-tensioning belt drive allows fast, easy speed changes while maximizing transmission efficiency w/consistent belt tension & motor alignment
- Large table bevels R&L, tilts forward & features clamping T-slots, plus removable center insert for through drilling
- Micro-adjustable depth stops & independent depth scale allow quick zeroing of the scale & set up for repetitive drilling

- Adjustable twin laser projects red crosshair on workpiece to indicate location of bit contact
- Flexible LED light
- Large base for stability

Chuck size 5/8". Taper MT-2. Column 3.14" dia. Spindle travel 6". 16-speed 170-3,000. Table 20" x 14", w/90° tilt R&L, 0-48° forward. Tool size 20"L x 28"W x 70"H. Tool weight 240 lbs.

**Includes** light, 5/8" chuck, twin laser, 6 Allen wrenches (2.5, 3, 4, 5, 6 & 8 mm), drift key & manual.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>704900</b>	I8-900L	120	3/4	1	<b>\$1,302.00</b>



### 20" Drill Press

**J E T** Hinged-metal belt and pulley cover coupled with quick-adjust motor mount allow rapid spindle speed changes.

- Rotating, 45° tilting, crank-operated worktable w/quick release clamp
- 1/2" dia. external positive depth stop w/3-nut locking feature for quick adjustment
- Adjustable tension spindle return spring

• Ball bearing spindle • Built-in worklight • 2-yr. mfr.'s warranty  
Hole dia. in steel & cast iron 1". Chuck size 3/4". Taper MT-3. Column 3-3/8" dia. Spindle travel 4-5/8". 12 spindle speeds 150-4,200. Table work surface 18-5/8" x 16-1/8", tilt 45° R&L. Tool size 13-5/8" x 22-3/8" at base, 67"H. Weight 293 lbs.

**Includes** chuck & key, crank-operated cast iron rotating tilting table, depth stop, worklight (60W bulb not included) & manual.

**Please specify voltage. 115V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>486005</b>	JDP-20MF	115/230	1-1/2	1	<b>\$1,215.00</b>



### 20" Electronic VS Drill Press

**J E T** The latest AC inverter variable speed technology. Variable spindle speeds with high torque at all speeds both forward and reverse.

- Continuous speed adjustment while in operation
- Front mounted LED spindle rpm readout
- Forward & reverse for tapping
- Emergency stop
- Front mounted positive control depth stop

- Large precision ground T-slot production table
- Massive head provides rigidity & accuracy

Hole dia. in steel 1-3/8", in cast iron 1-1/2". Chuck size 1/2". Taper MT-3. Column 4-1/2" dia. Spindle travel 6". Spindle speeds 65-2,000 rpm. Table work surface 18-1/8" x 14-3/4". Production table 22" x 18-3/4". Tool size 27" x 37" at base, 82-1/4"H. Tool weight 792 lbs.

**Includes** slotted base & production table, heavy-duty spindle & quill assembly & locking safety collars.

**Requires drill chuck & arbor, sold separately.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>981702</b>	J-2232AC	220	2	3	<b>\$5,022.00</b>

### Chuck Arbor

<b>486050</b>	DCA-33				<b>\$27.90</b>
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### 5/8" Drill Chuck

<b>486051</b>	TDC-625				<b>\$59.60</b>
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### 22" Drill Press

**General Intl.** Industrial 12-speed motor features spindle speeds of 120 to 2,270 rpm. Spindle is supported by high-quality ball bearings, and cast iron pulleys reduce vibration.

- Rotating, 45° tilting, crank-operated worktable w/quick-release clamp
- Large, front-mounted safety switch w/lock-out
- Adjustable spindle tension-return spring
- Built-in lamp illuminates the drilling area

- Heavy-duty positive depth stop for quick adjustment

Drilling capacity 1-1/4" dia. Chuck size 3/4". Taper MT-4. Column 3-5/8" dia. Spindle travel 4-1/2". 12 spindle speeds 120-2,270 rpm. Table work surface 18-1/2" x 16-1/8", tilt 45° R&L. Tool size 19-1/2" x 22-1/2" at base, 68-3/4"H. Tool weight 372 lbs.

**Includes** chuck & key, worklight (bulb not included), depth stop & manual.

**Please specify voltage. 110V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>420800</b>	75-500M1	110/220	1	1	<b>\$1,465.00</b>



### Circle Cutters

**General** Replaceable high speed steel blades. Maximum safe speed 500 rpm.

Stk.	Mfr.	Shank	Circles	Price
<b>417000</b>	4	3/8" Rd. & 5/8" Sq.	7/8" to 4"	<b>\$16.30</b>
<b>417067</b>	5B	3/8" Rd.	1" to 6"	<b>\$22.60</b>
<b>417469</b>	55	1/2" Rd.	1-3/4" to 8"	<b>\$33.60</b>

## STANDS & TABLES



### Pedestal Roller Table

**HTC Products** Galvanized steel ball-bearing rollers easily move stock. Durable, adjustable wedge-shaped support legs. Height 26-1/2" - 43-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476476</b>	HRT-10	5	15"	18"	<b>\$239.00</b>



### Roller Extension Tables

**HTC Products** Portable conveyors are built to last w/durable adjustable wedge-shaped support legs that can handle large loads. Heavy-duty, all steel welded construction plus steel ball bearing rollers make moving stock through your saw or planer easier. Non-marring nylon leveling glides are included to adjust for uneven

floors. Unit folds neatly & legs latch for storage.

Height 26-1/2" - 43-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476484</b>	HRT-70	17	15"	66"	<b>\$404.00</b>
<b>476489</b>	HRT-90	17	24"	66"	<b>\$495.00</b>



### Stock Stand

**HTC Products** Galvanized ball bearing roller. Height 28" - 45-1/2". Capacity 500 lbs.

Stk.	Mfr.	Rollers	Width	Length	Price
<b>476462</b>	HSS-18	1	16"	1-3/8"	<b>\$168.00</b>



### Stock Roller Stand

**Shop Fox** Heavy-gauge, all-steel welded unit w/quick-fold leg for easy set-up. Stable T-bar base. Ball-bearing roller. Non-marring foot pads. Stores flat.

Height 24.5" - 42". Capacity 150 lbs.

Stk.	Mfr.	Rollers	Width	Price
<b>785637</b>	D2054	1	13"	<b>\$32.30</b>



### Pedestal Roller Stand

**Port A Mate** Pedestal roller provides stable support & assists in the movement of larger workpiece materials.

- Assembles in 5 minutes
- Folds flat
- Durable powder coat finish

- Non-slip rubber feet
- Wide stance for extra stability
- High strength ABS adjustment handle
- Premium polished steel ball bearing roller

Height 27" - 43-3/4".

Stk.	Mfr.	Rollers	Width	Capacity	Price
<b>476510</b>	PM5080	1	11.25"	132 lbs.	<b>\$31.50</b>
<b>476511</b>	PM5083	1	11.25"	200 lbs.	<b>\$40.30</b>



### Material Support Stand

**J E T** Heavy-duty cast iron & steel construction. Chrome plated ball bearing roller heads. Locking screws provide added safety. Roller heads are interchangeable. 2-yr. mfr.'s warranty. Height 23.5" - 38.5". Capacity 2,000 lbs.

Stk.	Mfr.	Rollers	Width	Price
<b>486030</b>	414121	1	14"	<b>\$153.00</b>
<b>486031</b>	414122	V-roller		<b>\$162.00</b>



### Universal Tool Table

**Shop Fox** 30-1/2"H table holds bench top tools (i.e. chop, scroll & band saws, drill presses & planers). Butcher block finish table top. Support cross braces for strength & capacity. Flared legs & adjustable rubber feet ensure stability & reduce machine vibration. 13" x 23" (top). 700 lb. capacity.

Stk.	Mfr.	Price
<b>785618</b>	D2056	<b>\$62.90</b>



### Tool Table & Universal Stand

**Shop Fox** This plus size tool table accommodates larger bench top machines. Wide A-frame stand with butcher block laminate top.

Top 14" x 40" x 1-1/4" T. Table 33"H. Capacity 700 lbs.

Stk.	Mfr.	Price
<b>785720</b>	D3640	<b>\$103.00</b>



### Tool Stand

**Shop Fox** 24"H sturdy tool stand w/non-slip rubber feet. 27-1/2" x 31-1/2" (at base), 17-3/4" x 22" (at top). 1,000 lb. capacity.

Stk.	Mfr.	Price
<b>785635</b>	D2275	<b>\$76.80</b>

“
Would you like to schedule a call or meeting?
”

**Kevin Luft** ext. 3105  
kluft@midwesttechnology.com



# MILLING MACHINES



## Vertical Milling Machines

**J E T** Frame of sturdy, hardened Meehanite® steel casting with precision-bored and honed milling head for power and accuracy.

- Large dia. quill is chromed
- High-precision spindle bearings
- Spindle head is internally cooled
- Heavy-duty splined motor drive
- Adjustable gibs throughout
- Fine handwheel downfeed, lever downfeed
- Ram equipped w/double locks
- Precision-hardened & scraped ways

- 3-stage power downfeed w/automatic stop
- Dish in base w/internal coolant sump
- 1-piece quill pinion & shaft
- Double knee & table locks
- Saddle features 1 lock
- Precision-ground table

Spindle taper R-8. Speed 80 to 3,500 rpm. Quill 16, dia. 3.375". Travel 5". Travel to table 17-1/2", to column 19" & 6-3/4".

Downfeeds per revolution of spindle 0.0015", 0.003", 0.006". Head movement 90° R&L, 45° F&B.

Collet capacity 1/8" to 7/8". Table size 9" x 42". T-slots 3, size 5/8", centers 2-1/2".

Longitudinal table travel 30". Cross travel 12". Travel of knee 16", overarm 12-1/4". Max. weight of workpiece 550 lbs. Tool size 57"W x 64"D x 81"H. Tool weight 2,200 lbs.

**Includes** chromed dovetail style ways, 1-shot lubrication system, way covers, draw bar & tool box w/tools.

**Please specify voltage. 230V will be shipped if not specified.**

Stk.	Mfr.	Volts	HP	Phase	Speed	Price
<b>485702</b>	JTM-1	230V	2	3	2	<b>\$8,915.00</b>
<b>485703</b>	JTM-2	115/230V	2	1	1	<b>\$8,915.00</b>

## R-8 Collet Set

**J E T** Precision-hardened & ground. Sizes 1/8" to 3/4" by 8ths.

Stk.	Mfr.	Item	Price
<b>485901</b>	CS-R8	6-Piece Set	<b>\$136.00</b>

## Chuck & Collet Set

**J E T** Quickly change from 1 shank size to another w/out loosening the draw bar.

- 15 precision spring collets take the place of 15 individual adapters
- Can be used for milling, drilling, reaming & boring applications
- Collets are in increments of 1/16" T.I.R. at 2-3/8" is .0008"

**Includes** spanner wrenches & wooden case.

Stk.	Mfr.	Item	Price
<b>485902</b>	CCS-1	17-Piece Set	<b>\$672.00</b>

## Clamping Kit

**J E T** Stud size is 1/2" - 13 tpi. T-slot sizes are 9/16" & 5/8".

**Includes** 6 T-slot nuts, 6 flange nuts, 4 coupling nuts, 6 step blocks, 6 step clamps, 24 studs (4 ea. in 3", 4", 5", 6", 7" & 8" lengths) & wall-mountable metal tray.

Stk.	Mfr.	Item	Price
<b>485903</b>	CK-12	52-Piece Kit	<b>\$138.00</b>



## Double Angle Mills

**Production Tool Supply**

Stk.	Mfr.	Cutter Dia.	Face Width	Hole Size	Angle	Teeth	Price
<b>682720</b>	DS52-5-718-005	2-3/4"	1/2"	1"	45°	18	<b>\$161.00</b>
<b>682722</b>	DS52-5-718-010	2-3/4"	1/2"	1"	60°	18	<b>\$159.00</b>
<b>682724</b>	DS52-5-718-015	2-3/4"	1/2"	1"	90°	18	<b>\$159.00</b>



## Side Mills

**Production Tool Supply**

Stk.	Mfr.	Cutter Dia.	Face Width	Hole Size	Price
<b>682835</b>	DP50-30081	3"	1/4"	1"	<b>\$80.80</b>
<b>682837</b>	DP50-30121	3"	3/8"	1"	<b>\$89.40</b>
<b>682839</b>	DP50-30161	3"	1/2"	1"	<b>\$96.70</b>
<b>682842</b>	DP50-40161	4"	1/2"	1"	<b>\$151.00</b>



## Center Drills & Countersinks

**Production Tool Supply** Combined drills and countersinks are made of high speed steel.

60° countersink angle fits all standard centers.

Stk.	Mfr.	Drill Dia.	Body Dia.	Length	Price
<b>682765</b>	AV50-1	3/64"	1/8"	1-1/4"	<b>\$3.08</b>
<b>682766</b>	AV50-2	5/64"	3/16"	1-7/8"	<b>\$3.15</b>
<b>682767</b>	AV50-3	7/64"	1/4"	2"	<b>\$3.15</b>
<b>682768</b>	AV50-4	1/8"	5/16"	2-1/8"	<b>\$3.15</b>
<b>682769</b>	AV50-5	3/16"	7/16"	3-3/4"	<b>\$6.65</b>
<b>682770</b>	AV50-6	7/32"	1/2"	3"	<b>\$8.84</b>



## Regular End 2 Flute Double End Mills

**Production Tool Supply**

Stk.	Mfr.	Size	Flute Length	Shank Dia.	Price
<b>682771</b>	CR50-C4	1/8"	3/8"	3/8"	<b>\$11.60</b>
<b>682773</b>	CR50-C6	3/16"	7/16"	3/8"	<b>\$11.60</b>
<b>682775</b>	CR50-C8	1/4"	1/2"	3/8"	<b>\$11.60</b>
<b>682777</b>	CR50-C10	5/16"	9/16"	3/8"	<b>\$12.00</b>
<b>682779</b>	CR50-C12	3/8"	9/16"	3/8"	<b>\$12.00</b>
<b>682781</b>	CR50-C14	7/16"	13/16"	1/2"	<b>\$18.90</b>
<b>682783</b>	CR50-C16	1/2"	13/16"	1/2"	<b>\$18.90</b>
<b>682785</b>	CR50-C20	5/8"	1-1/8"	5/8"	<b>\$25.20</b>
<b>682787</b>	CR50-C24	3/4"	1-5/16"	3/4"	<b>\$32.70</b>
<b>682788</b>	CR50-C32	1"	1-5/8"	1"	<b>\$50.90</b>

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### Center Cutting 4-Flute Double End Mills

Production Tool Supply

Stk.	Mfr.	Size	Flute Length	Shank Dia.	Price
682728	CR65-B4	1/8"	3/8"	3/8"	<b>\$13.80</b>
682730	CR65-B6	3/16"	1/2"	3/8"	<b>\$13.80</b>
682732	CR65-B8	1/4"	5/8"	3/8"	<b>\$13.80</b>
682734	CR65-B10	5/16"	3/4"	3/8"	<b>\$13.80</b>
682735	CR65-B11	11/32"	3/4"	3/8"	<b>\$13.80</b>
682736	CR65-B12	3/8"	3/4"	3/8"	<b>\$13.20</b>
682738	CR65-B14	7/16"	1"	1/2"	<b>\$19.10</b>
682740	CR65-B16	1/2"	1"	1/2"	<b>\$19.10</b>
682741	CR65-B18	9/16"	1-3/8"	5/8"	<b>\$33.60</b>
682742	CR65-B20	5/8"	1-3/8"	5/8"	<b>\$33.60</b>
682744	CR65-B24	3/4"	1-5/8"	3/4"	<b>\$33.20</b>
682745	CR65-B32	1"	1-7/8"	1"	<b>\$50.70</b>



### Ball End 2-Flute End Mills

Production Tool Supply

Stk.	Mfr.	Size	Flute Length	Shank Dia.	Price
682818	CX50-R4	1/8"	3/8"	3/8"	<b>\$13.80</b>
682819	CX50-R6	3/16"	1/2"	3/8"	<b>\$13.80</b>
682826	CX50-R8	1/4"	5/8"	3/8"	<b>\$13.80</b>
682828	CX50-R12	3/8"	3/4"	3/8"	<b>\$15.20</b>
682830	CX50-R16	1/2"	1"	1/2"	<b>\$21.40</b>
682831	CX50-R20	5/8"	1-3/8"	5/8"	<b>\$30.00</b>
682832	CX50-R24	3/4"	1-5/8"	3/4"	<b>\$36.40</b>



### Center Cutting End Mills

Production Tool Supply

#### 4 Flute (Regular L)

Stk.	Mfr.	Size	Flute Length	Shank Dia.	Price
682806	CT55-F4	1/8"	3/8"	3/8"	<b>\$11.30</b>
682807	CT55-F6	3/16"	1/2"	3/8"	<b>\$11.30</b>
682808	CT55-F8	1/4"	5/8"	3/8"	<b>\$11.30</b>
682809	CT55-F10	5/16"	3/4"	3/8"	<b>\$11.30</b>
682810	CT55-F12	3/8"	3/4"	3/8"	<b>\$11.30</b>
682811	CT55-F14	7/16"	1"	3/8"	<b>\$15.70</b>
682812	CT55-F16	1/2"	1-3/8"	1/2"	<b>\$15.60</b>
682813	CT55-F16X	1/2"	1"	3/8"	<b>\$12.60</b>
682814	CT55-F20	5/8"	1-5/8"	5/8"	<b>\$22.50</b>
682815	CT55-F20X	5/8"	1-3/8"	1/2"	<b>\$20.10</b>
682816	CT55-F24W	3/4"	1-5/8"	3/4"	<b>\$26.20</b>
682817	CT55-F32	1"	1-7/8"	7/8"	<b>\$38.00</b>

#### 2 Flute

Stk.	Mfr.	Size	Flute Length	Shank Dia.	Price
682789	CS50-G4	1/8"	3/8"	3/8"	<b>\$9.95</b>
682790	CS50-G6	3/16"	3/8"	3/8"	<b>\$9.95</b>
682791	CS50-G8	1/4"	1/2"	3/8"	<b>\$9.95</b>
682792	CS50-G10	5/16"	9/16"	3/8"	<b>\$10.10</b>
682793	CS50-G12	3/8"	9/16"	3/8"	<b>\$10.10</b>
682794	CS50-G14	7/16"	13/16"	3/8"	<b>\$13.10</b>
682795	CS50-G16	1/2"	1"	1/2"	<b>\$14.00</b>
682796	CS50-G16X	1/2"	13/16"	3/8"	<b>\$13.10</b>
682797	CS50-G18	9/16"	1-1/8"	1/2"	<b>\$17.30</b>
682798	CS50-G20	5/8"	1-5/16"	5/8"	<b>\$19.50</b>
682799	CS50-G20X	5/8"	1-1/8"	1/2"	<b>\$19.20</b>
682800	CS50-G22	11/16"	1-5/16"	5/8"	<b>\$20.80</b>
682801	CS50-G22X	11/16"	1-5/16"	1/2"	<b>\$20.80</b>
682802	CS50-G24	3/4"	1-5/16"	5/8"	<b>\$22.10</b>
682803	CS50-G24W	3/4"	1-5/16"	3/4"	<b>\$22.10</b>
682804	CS50-G24X	3/4"	1-5/16"	1/2"	<b>\$22.10</b>
682805	CS50-G32	1"	1-1/2"	1"	<b>\$36.70</b>

## LATHES



### 3-in-1 Machine Mill/Drill/Lathe

**Baileigh** Offers maximum versatility by combining 3 machines into 1 small package. Allows choice of milling, drilling or lathe operations while freeing up floor space.

- Adjustable, VS rpm
- Column-style base w/adjustable depth
- Precision ground & hardened ways
- Power feed & gear driven mill head

- Digital readouts for lathe rpm & depth of cut

Milling Machine / Drill Press Taper of spindle bore MT2. Spindle stroke 2". Spindle speed 50 - 2,250 rpm. Max. distance spindle to table 11", spindle to column 6.5". Motor 3/4 HP.

Metal Lathe Swing over bed 9.75", over cross slide 5.7".

Distance between centers 21.5" - 29.5". Width of bed 5.3".

Taper of spindle bore MT4. Speed 50 - 2,000 rpm.

Range of longitudinal feed .003" - .008" Range of inch threads 8-56 TPI.

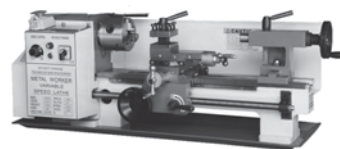
Range of metric threads .2 - 3.5mm. Top slide travel 2".

Cross slide travel 4.5". Tailstock quill travel 2". Taper of tailstock quill MT2.

Motor 1 HP. Headstock chunk size 5". Weight 429 lbs.

**Includes** steady rest, follow rest, 3 & 4 jaw chucks & MT2 taper.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>222595</b>	MLD-1030	120	3/4 & 1	1	<b>\$3,938.00</b>



### 7" Bench Top Lathe

**Baileigh** VS metal lathe is perfect for small projects with the accuracy and precision of a large lathe.

- Precision ground & hardened ways
- 3 & 4 jaw chuck
- Steady & follow rests
- Digital readout for RPMs

Distance between centers 11.8". Swing over bed 7". Spindle taper MT3. Spindle bore .75". Chuck 3.15" dia. Tool slide travel 1.378".

Taper of tailstock quill MT2. Range of metric threads 0.5-2.5 mm.

Range of inch threads 12-52 TPL. Cross slide travel 2.559".

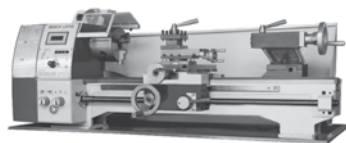
Spindle accuracy .001". Spindle speed 100 - 2,500 rpm.

Weight 93 lbs. (shipping)

**Includes** stand, foot brake, work light, 3 & 4 jaw chucks, coolant system, steady rest, follow rest, splash guard & digital readout for spindle speed.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>222620</b>	PL-712VS	120	3/4	1	<b>\$1,438.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### 9" Bench Top Lathe

**Baileigh** VS metal lathe includes a digital read out for accurate cutting speed.

- Steady & follow rests

- Precision ground & hardened ways
- 3 & 4 jaw chuck
- Digital readout for RPM's

Distance between centers 19.6". Swing over bed 9.75". Spindle taper MT4. Spindle bore 1". Chuck 4.925" dia. Tool slide travel 1.89".

Taper of tailstock quill MT2. Range of metric threads 0.4-3.5 mm. Range of inch threads 8-56 TPL. Cross slide travel 4.528". Spindle accuracy .001". Spindle speed 125 - 2,000 rpm. Weight 242 lbs. (shipping)

**Includes** stand, foot brake, work light, 3 & 4 jaw chucks, coolant system, steady rest, follow rest, splash guard & digital readout for spindle speed.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>222621</b>	PL-1022VS	120	1	1	<b>\$2,544.00</b>



### 9" Belt Drive Bench Lathe

**J E T** Spindle is supported by precision tapered roller bearings. Features hardened and ground bedways, reversing switch for versatility and backlash adjustments throughout the carriage.

- Tailstock adjusts for taper cuts
- Enclosed quick-change gearbox w/wide range of inch & metric threads

Swing: over bed 9" over cross slide 5-5/16".

Distance between centers 20".

Headstock: hole through spindle 0.78", spindle nose 1-1/2" x 8 TPI, taper in spindle nose MT-3, spindle bearing tapered roller, spindle speed range (6 speeds) 130-2,000 rpm.

Gearbox: 27 longitudinal feeds, longitudinal feed range 0.005"-0.011" /rev., 27" threads, inch thread range 8 - 56TPI, 11 metric threads, metric thread range 0.05 - 3.0mm, reversible leadscrew 9/16" x 16TPI.

Compound & carriage: 4-way toolpost, max. tool size 1/2" x 1/2", compound slide travel 1-7/8", cross slide travel 5", carriage travel 16". Tailstock: spindle travel 1-9/16", spindle 1-1/16" dia., taper MT-2.

Steady & follow rest capacities 1/4" - 1-7/8".

Bed dimensions 32"L x 4-1/2"W x 6-5/8"H.

Size 37-1/2"L x 19-3/4"W x 15-3/4"H. Tool weight 235 lbs.

**Includes** 7" 4-jaw chuck, 4" 3-jaw chuck, faceplate, steady rest, follow rest, single tool post, 4-way tool post, metric change gears, centers, threading dial, stand, tool box & tools.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485700</b>	BD-920W	115	3/4	1	<b>\$2,304.00</b>

“ Need a competitive bid or help with a large project? ”



**Al Ryan** ext. 3130  
aryan@midwesttechnology.com



### 13" Bench Lathe

**J E T** Spindle is precision-ground for accuracy and supported by high quality tapered roller bearings. Headstock is constantly oiled during operation. Gearbox gives large threading and feed capabilities with no gear changes.

- V-way bed design
- Independent leadscrew & feed rod
- Gap bed for large dia. work
- Spindle actuation control is apron-mounted
- Compound & cross slide have backlash elimination
- Adjustable gibs are incorporated in the carriage & slideways
- Tailstock may be offset for turning tapers & includes inch-metric graduated quill

Swing: over bed 13", over cross slide 7-25/32", through gap 18-3/4". Length of gap 8-1/8". Distance between centers 40".

Headstock: hole through spindle 1-1/2", spindle nose D1-4, taper in spindle nose MT-3, spindle bearing tapered roller, spindle speed range (8 speeds) 70-2,000 rpm.

Gearbox: 40 longitudinal & cross feeds 40, longitudinal feed range 0.0036"-0.1005"/rev., cross feeds range 0.0012"-0.0345"/rev., 40 inch threads, inch thread range 4-112 TPI, 27 metric threads, metric thread range 0.2 - 6mm, leadscrew 7/8" x 8 TPI, feed rod 3/4" dia.

Compound & carriage: 4-way tool post, max. tool size 5/8" x 5/8", compound slide travel 2-11/16", cross slide travel 6-5/16", carriage travel 35". Tailstock: spindle travel 3-3/4", spindle 1-1/4" dia., taper MT-3.

Steady & follow rest capacities 1/4" - 2-5/8". Tool weight 1,015 lbs.

Bed dimensions 54"L x 7-3/8"W x 12"H. Size 70"L x 32"W x 25-1/2"H.

**Includes** 6" 3-jaw chuck, 8" 4-jaw chuck, 12" faceplate, steady rest, 4-way tool post, metric change gear, threading dial, follow rest, splash guard, centers & sleeves, stand, tool box & tools.

Stk.	Mfr.	Volts	HP	Phase	Price
<b>485701</b>	GHB-1340A	230	2	1	<b>\$6,730.00</b>

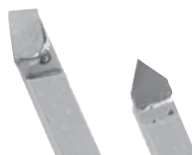


### Lathe Tool Kit

#### Shop Fox

**Includes** 5" straight & left-turning tool holders (ea. with 1/4" x 2-1/2" M2 HSS bit), 6-3/4" boring bar, holder, (1/4" sq. x 2-1/2" M2 HSS bit) & 1/8" hex wrench, 4-1/2" straight shank cut-off tool holder (with 3/32" x 1/2" HSS cut-off blade), 3 square head center punches (3/32" x 4"), 6" spring divider, knurling tool holder w/fitted knurls, 6" steel rule, 7" heavy-duty machinist's scribe, T-slot cleaner, 2 lathe dogs (1/2" ea. straight & bent).

Stk.	Mfr.	Item	Price
<b>785730</b>	D4090	20-Piece	<b>\$85.50</b>



### Carbide Lathe Tool Bit Sets

**Steelex** Carbide steel bits for cutting steel & alloys.

**Includes** 20 bits (10 ea. of C-grade #'s 2 & 6).

Stk.	Mfr.	Length	Price
<b>785651</b>	M1073	1/4"	<b>\$31.50</b>
<b>785653</b>	M1074	3/8"	<b>\$39.40</b>
<b>785654</b>	M1075	1/2"	<b>\$71.40</b>



#### 4-Jaw Chuck

**Shop Fox** Self-centering chuck w/reversible stepped jaws holds a variety of round or square workpiece sizes. Setup is quick & easy by twisting the knurled adjustment plate on back of chuck. Fits all wood lathes w/1" x 8 TPI spindles.

**Includes** two 4" wrenches.

Stk.	Mfr.	Size	Price
<b>785749</b>	D4054	3" Chuck	<b>\$92.20</b>

#### 9" Belt Drive Bench Lathe Cabinet Stand

**J E T** 37"W x 28"H x 15"D. 65 lbs.

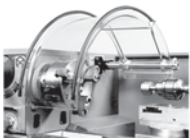
Stk.	Mfr.	Price
<b>485712</b>	S-920N	<b>\$459.00</b>



#### Heavy-duty Live Center for 9" Bench Lathe

**Steelex** Triple bearing MT-2 live center is hardened to 61-65 Rockwell C-Scale. Unique head driving mechanism prevents dust, chips & coolant from entering the internal workings. Made w/high-quality precision bearings. Accuracy of 0.0003". MT-2 taper.

Stk.	Mfr.	Length	Price
<b>785661</b>	M1065	5"	<b>\$51.50</b>



#### Latheguards™

**Flexbar** Neither razor-sharp chips nor broken tool bits will penetrate Lexan® shield. Rib reinforced, robust construction, lightweight & swings away easily. Back of shield is reinforced

w/plated wire-form housing. Locks in swing away or functional positions. Accepts 3 or 4-jaw chucks. USA made.

**Includes** heavy-duty cast mounting bracket & chrome-plated extension tube w/hardware. Affix 2 screws to mount.

**Exceeds OSHA requirements.**

Stk.	Mfr.	Lathe Size	Shield Size	Use w/ Chuck Dia.	Price
<b>408500</b>	12999	Small	3.9"H x 6.25"W x 7.8"L	Up to 6"	<b>\$189.00</b>
<b>408570</b>	13061	12"-16"	8"H x 8"W x 16"L	Up to 12"	<b>\$237.00</b>
<b>408571</b>	13062	16"-20"	10.25"H x 8"W x 19.70"L	Up to 16"	<b>\$256.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

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#### 13" Lathe Accessories

**J E T** For use with Mfr. GHB-1340A.

**16-Piece 5-C Collet Set** For lathes & tool/cutter grinder applications. Precision-hardened & ground. 1/8" to 1-1/16" x 1/16" increments.

Stk.	Mfr.	Price
<b>485910</b>	CS-5C	<b>\$238.00</b>

**5" Heavy-Duty Live Center** Triple bearing MT-3 live center is hardened to 61-65 Rockwell C-Scale. Unique head driving mechanism prevents dust, chips & coolant from entering the internal workings. Made w/high-quality precision bearings. Accuracy of 0.0003". MT-3 taper.

Stk.	Mfr.	Price
<b>785662</b>	M1066	<b>\$58.80</b>

**Collet Closer** Uses 5-C collets. Precision-ground components. Rear-mounted lever action. Some drilling & other modification may be required.

Stk.	Mfr.	Price
<b>485909</b>	CC-GHB1340	<b>\$1,423.00</b>

**Single Tool Post** Capacity 5/8" x 1-3/8". **Includes** wrench.

Stk.	Mfr.	Price
<b>485911</b>	STP-13BD	<b>\$140.00</b>

**Stand** Size 30"L x 48"W x 40"H. Weight 116 lbs.

Stk.	Mfr.	Price
<b>485749</b>	CBS-1340	<b>\$601.00</b>

## DUST COLLECTORS

#### Cabinet Dust Collector For Metal

**J E T** For collecting abrasive dust from belt and disc finishing and grinding machines. Chips and dust collect into a metal drawer that is easy to clean, no cloth bag eliminates fire risk. Two 4" chutes allows attachment to 2 different machines.



- Non-sparking aluminum housing & fan blade

- Easy to change air filter
- Quiet, effective dust collection method
- 4 casters & 2 handles for ease of movement
- Filter efficiency 99% @ 5 microns

**Includes** 6" cord, 4 casters, two 4" to 3" adapters & filters.

**Not to be used with Surface Grinders.**

Stk.	Mfr.	Volts	HP	Phase	Speed (sfpm)	Weight	Price
<b>486018</b>	JDC-500A	115	4	1	5,610	157 lbs.	<b>\$1,430.00</b>

#### Heat Resistance Hoses

**J E T**

Stk.	Mfr.	Max. Temp.	Size	Price
<b>486026</b>	414720	130°	3" dia x 8'	<b>\$266.00</b>
<b>486024</b>	414710	130°	4" dia x 8'	<b>\$266.00</b>
<b>486025</b>	414715	180°	4" dia x 8'	<b>\$435.00</b>
<b>486027</b>	414725	180°	3" dia x 8'	<b>\$435.00</b>

*Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904*

## TRAINING SYSTEMS



### LiveArc Welding Performance Management System

**Miller** The LiveArc™ Welding Performance Management System is a innovative reality-based training system utilizing a live welding arc, unlike other virtual training solutions.

It's designed to recruit, screen, train, re-qualify and manage the performance of weld operators. It's better, faster and

more cost-effective than traditional methods.

The system also gives welding instructors the ability to configure assignments and technique parameters. It stores weld operators' performance histories. LiveArc is a powerful teaching tool that allows instructors to manage their time, reduces the cost of teaching materials and speeds student progress.

- Provides instant, valuable feedback on welding technique to quickly build skills
- 400 amp MIG SmartGun can be used for non-arc weld simulations as well as live-arc weld training
- Built-in OLED display provides initial visual feedback to guide proper gun positioning
- Instructor interface assignments can be quickly configured & customized
- Individual weld operator's performance can be stored, retrieved & re-viewed at any time
- Industrial-quality construction built to withstand heavy use
- Motion-Tracking Technology measures the operator's adherence to pre-set technique parameters
- Cameras track the movement of LEDs embedded in the MIG SmartGun
- Weld operator interface guided by an easy-to-understand interface
- Welding Positioning Arm allows completion of out-of-position welding exercises, w/calibration, motion tracking & feedback occurring in same way as table top exercises

**Includes** SmartGun w/15' cable, calibration tool & 2 table clamps, plus extra Tregaskiss consumables: 15 contact tips (five .035", five .045", five .052") & 3 heavy-duty 5/8" bore nozzles (1/8" stickout, 1/8" recess, flush).

Please visit our website for additional information.

Stk.	Mfr.	Price
<b>566325</b>	301-233	<b>\$44,640.00</b>

**Workstation with Welding Positioning Arm** **Includes** above, plus welding positioning arm, C-clamp assembly, removable arm extension for right- and left-hand applications & software.

Stk.	Mfr.	Price
<b>566326</b>	301-233-001	<b>\$49,662.00</b>



“ Do you have a specific purchasing process? ”

Sarah Cruz ext. 3120  
scruz@midwesttechnology.com

## STICK WELDERS



### Thunderbolt® XL 225 AC Stick Welders

**Miller** Range and muscle to handle numerous stick welding, hard surfacing and cutting jobs with easier starts and less arc blow. Unit has the precision for low hydrogen and special alloy electrodes. Allows weld time to increase when amperage decreases.

- Accu-Set™ amperage control
- Cooling fan for extended life
- 2 wide AC amperage ranges w/continuous adjustment
- Infinite current control for precise weld output
- 3-yr. mfr.'s warranty on parts & labor (903-642 is 5-yr.s)

DC unit produces up to 20% more DC output than other welders:

- Fewer arc outages
- Less sticking, less spatter
- Easier out-of-position welding
- Better control on thin work

Rated output: @ 15% duty cycle (903-641), 225 amps @ 25VAC,  
@ 15% duty cycle (903-642), DC 225 amps @ 25V.

Output range AC: (903-641 & 903-642), 30-150 (low), 40-235 (high),  
DC 30-160. Unit size 18-3/4"H x 12-3/4"W.

Weight 85 lbs. (903-641), 104 lbs. (903-642).

**Includes** 15' No. 4 electrode cable w/heavy-duty electrode holder, 10' work cable w/clamp, power cord w/plug.

#### 225 AC

Stk.	Mfr.	Volts	Phase	Price
<b>566980</b>	903-641	230	1	<b>\$426.00</b>

**225/150 AC/DC** **Includes** above, plus AC & DC electrodes.

Stk.	Mfr.	Volts	Phase	Price
<b>566981</b>	903-642	230	1	<b>\$655.00</b>

**Running Gear** Roll power source effortlessly. Power source mounts easily, providing convenient portability. **Includes** 2 wheels, 2 feet & handle.

<b>565923</b>	043-927			<b>\$37.50</b>
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### AC-225 Stick Welder 230V AC

**Lincoln** Known for its smooth AC welding arc and industrial long life. Use on carbon and low alloy steels, stainless steel and cast iron. Welds down to 16 ga. sheet metal or on heavy steel plate. Use for maintenance and repair welding, building, fabrication or modifying equipment, construction tools, fixtures and more.

- Easy to set w/full amperage selector switch sets the current quickly & accurately, ensuring a consistent & uniform arc
- Easy to install & operate
- 3-yr. mfr.'s warranty on parts & labor

Rated output: @ 20% duty cycle: 225 amps @ 25V. Output range: 40-225. Unit size 24"H x 17-1/4"W x 12"D. Weight 109 lbs.

**Includes** input power cable & plug, electrode holder & cable, work clamp w/cable & manual.

Stk.	Mfr.	Price
<b>503500</b>	K761	<b>\$27.40</b>

**Arc Welder Wheel Kit Lincoln** For Arc Welder Models K1170 & K1297.

**Includes** axle, 2 wheels & assembly hardware.

Stk.	Mfr.	Price
<b>503500</b>	K761	<b>\$27.40</b>



### AC/DC-225/125, Constant Current Arc Welder

**Lincoln** Unit adds smoother, more stable DC welding arc to the AC-225 Stick Welder. Use AC for welding heavy plate where higher deposition rates and travel speeds are desired and DC for thinner materials where a low current, stable arc is essential. For farm, shop and industry.

- Rugged design handles the toughest applications

- 3-yr. mfr.'s warranty on parts & labor
- Easy to install & operate

Rated Output: @ 20% duty cycle: AC 225 amps @ 25V, DC 125 amps @ 25V.  
Output range: AC 40-225 (AC), 30-125 (DC).

Unit size 24"H x 17-1/4"W x 12"D. Weight 124 lbs.

**Includes** input power cord & plug, electrode holder & cable, work clamp & cable, sample pack of electrodes & manual.

Stk.	Mfr.	Volts	Phase	Price
503600	K1297	230	I	\$816.00
503500	K761			\$27.40



### 250 Stick Welder w/Power Factor Capacitors

**Lincoln** Stick welding workhorse with up to 300 amps of AC power or down to 250 amps of smooth DC welding performance. For industrial production welding, maintenance, repair shops.

- Outstanding arc stability & built-in stabilizer (*popout resistant welding w/AC electrodes*)
- Twist-of-wrist polarity changes (AC, DC+ or DC-)

- Continuous output control adjusts arc to fit welding needs
- Use w/all electrode types
- Easy set-up & operation
- Fan-cooled thermal protection
- Stack 3 high to save space
- 3-yr. mfr.'s warranty (*parts & labor*)

Rated output: @ 30% duty cycle (AC & DC) 250 amps @ 30V.

Output range: 35-300 (AC), 40-250 (DC).

Unit size 27"H x 19"W x 21.5"D. Weight 350 lbs.

**Please specify voltage.**

Stk.	Mfr.	Volts	Phase	Price
503571	K1053-9	208/203/460	I	\$2,963.00

**Accessory Kit Includes** electrode holder, work clamp, electrode & work cables, plus headshield w/lens cover plate.

503476	K704			\$922.00
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**Undercarriage** For easy portability. 24.56"W. **Includes** handle, axle, wheels, front bracket & mounting hardware.

503530	K866			\$168.00
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### Dialarc® 250 AC, DC Stick Welder

**Miller** High output and duty cycle allow unit to handle nearly all stick welding needs. Electrical control assures fast and easy selection of any desired current within this model's 2 wide ranges. Range selector switch is provided for high or low AC or DC current.

- Single-dial infinite current control simplifies & allows precise weld output adjustment

- Wide range of electrode versatility that welds difficult materials
- Built-in power factor correction (*Mfr. 907-015 only*) for lower primary amperage demand
  - Forced-draft cooling fan

Rated output: @ 30% duty cycle: 250 amps @ 30VAC.

@ 50% duty cycle: 200 amps @ 28VDC.

Output range: AC 35-165 (*low*), 105-300 AC (*high*).

DC 35-155 (*low*), 90-265 (*high*).

Size 24-1/4"H x 19"W x 28"D. Weight 360 lbs. (566366), 365 lbs. (566365).

**Please specify voltage.**

### 200/230/460V I PH

Stk.	Mfr.	Volts	Phase	Price
566366	907-017	200/230/460	I	\$2,193.00

### 200/230/460/575V I PH Includes power factor correction.

Stk.	Mfr.	Volts	Phase	Price
566365	907-015	200/230/460/570	I	\$2,294.00

**No. 19 Running Gear** Four 8" poly/rubber-blend wheels w/towing handle.

565814	041-580			\$278.00
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**No. 2 Stick Cable Set** 15' No. 2 electrode cable & holder, 15' work cable & clamp. 200A, 100% duty cycle.

566299	195-196			\$116.00
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## TIG WELDERS



### Invertec®VI15-STIG Welder

**Lincoln** Smaller, lightweight inverter stick welder delivers precision arc control for code-quality results. Features 120/230V Auto-Reconnect™ operation from a portable generator or plugged into a 230V (200'L) extension cord.

- Touch Start TIG™ DC operation for easily striking arc w/out high frequency or tungsten contamination

- Auto-Adaptive Arc Force™ minimizes electrode sticking in puddle w/out compromising arc stability or increased spatter
- 2 stick modes (soft & crisp) provide the right arc for various electrodes
- Auto restore fuse protects machine from input over current & resets w/ out fuse change
- Automatic Hot-Start™ boosts current during starting for easier arc strikes
- F.A.N.™ noise/dust reduction
  - 3-yr. mfr.'s warranty

Rated output: @ 100% duty cycle (DC),

120V circuit: (Stick) 75 amps @ 23V, (TIG) 100 amps @ 24V,

230V circuit: (Stick) 105 amps @ 14.2V, (TIG) 130 amps @ 15.2V.

Rated input 24 & 33.8 amps. Output range: (DC) 5-155 amps.

Unit size 11.3"H x 6.2"W x 15.4"D. Weight 14.7 lbs.

**Includes** (6.6') 120/230V input cord w/two 120V plugs (15 & 20 amp), work clamp & cable (w/Twist-Mate™ plug), stick electrode holder & cable (w/Twist-Mate™ plug), plus adjustable shoulder strap.

Stk.	Mfr.	Volts	Phase	Price
503678	K2605-1	120/230	I	\$1,197.00

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



### Precision TIG® 275 Welder

**Lincoln** Micro-Start II™ Technology and AC Auto Balance® deliver very stable low amperage starting, welding and cratering for both AC and DC welding. Fan-As-Needed™ prevents overheating, reduces power use, noise, motor wear and dust in the machine.

- Selectable welding modes (*high frequency, scratch start, Touch Start TIG™*)

- Auto Balance® improves penetration & bead appearance
- Cable management w/integrated torch holster
- Water-cooled, side-mounted torch connections
- 115V auxiliary power receptacles for powering optional water cooler or power tools
  - 3-yr. mfr.'s warranty on parts & labor
- High duty cycles
  - Well-spaced, easy-use controls
- C/US certified
  - Consumables storage compartment

Rated output @ 40% duty cycle: 275 amps @ 31V.

Rated input @ rated output:

with power factor correction 80/72/36A, w/out 104/94/47A.

Output range (AC & DC) 2-340 amps

Unit size 31"H x 22"W x 26"D. Weight 397 lbs.

Stk.	Mfr.	Volts	Phase	Price
<b>503680</b>	K2619-1	208/230/460	1	<b>\$3,890.00</b>

**Undercarriage** With dual bottle rack, front casters, rear wheels & handle.

<b>503460</b>	K1869-1			<b>\$594.00</b>
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### Precision TIG® 225

**Lincoln** Precision welder provides power for general fabrication, automotive and vocational schools. Micro-Start™ II Technology delivers precision arc performance with extremely stable low amperage starting for welding and cratering in AC & DC welding.

- AC Auto-Balance™ & built-in simple pulse control for ease of use

- Great auxiliary power w/wide output range (*5-230 amps*)
- Auto-Balance™ automatically sets cleaning vs. penetration levels
- Built-in TIG pulser helps control heat input in the weld
- Digital meter & simple, well-spaced controls
- 115V auxiliary power receptacles power water coolers & other tools
- Fan-As-Needed™ prevents overheating, reduces power use noise, motor wear & dust in the machine
- US certified
  - 3-yr. mfr.'s warranty on parts & labor

Rated output: @ 100% duty cycle: 90 amps @ 23.4V.

Rated input @ rated output: 39 amps @ 42V.

Output range: (AC & DC): 5-230 amps.

Unit size 20.7"H x 14.5"W x 25.6"D. Weight 212 lbs.

**Includes** torch parts storage compartment, torch hanger, 10' work cable & clamp, removable lift eye, 9' input power cord, NEMA 6-50P Plug, NEMA 6-50R receptacle, 12.5' 1-piece PTA-17 pro-torch TIG, gas regulator w/ hose, foot Amptrol®, TIG & GTAW (TIG) manuals.

**Requires shielding gas, sold separately.**

Stk.	Mfr.	Volts	Phase	Price
<b>503676</b>	K2535-1	208/230	1	<b>\$2,897.00</b>



### Syncrowave® 250 DX & 350 LX

**Miller** Squarewave technology improves your weld quality and makes TIG welding easier. Squarewave technology provides arc stability when welding aluminum, prevents arc rectification and eliminates tungsten erosion.

- Syncro Start™ allows the choice of soft, standard or hot TIG starts based on the application, lead lengths & tungsten size

- Last procedure recall simplifies changing your Syncrowave back & forth from aluminum TIG to stainless TIG to Stick welding
- Balance control is adjustable to provide additional oxide removal (*more cleaning*) or less cleaning based on the condition of the material being welded
- Digital welding meters display both amperage & voltage for viewing of the actual & preset values for greater accuracy & repeatability in your welding procedure
- Stick welding features such as Adaptive Hot Start™ provide good arc strikes without sticking
- Mfr.'s 3-yr. warranty

Input power 1 Phase.

Rated output:

@ 40% duty cycle

(350 LX): 350 amps @ 34VAC. (250 DX): 250 amps @ 30VAC,

@ 60% duty cycle

(350 LX): 300 amps @ 32VAC. (250 DX): 200 amps @ 28VAC.

Output range: 3-400 (350 LX), 3-310 (250 DX).

**Power cord not included.**

**Power Source** TIG torch connector sold separately. **Includes** 2 dinse 50 mm connectors.

Stk.	Mfr.	Item	Volts	Price
<b>566400</b>	907-194	250 DX	200/230/460	<b>\$3,171.00</b>
<b>566405</b>	907-198	350 LX	200/230/460	<b>\$4,946.00</b>

**TIGRunner® Package** TIG torch connector, dinse-style connector & TIG coolant sold separately. **Includes** power source, Coolmate 3CS cooler, No. 37 running gear & RFCS-14 HD remote floor control.

Stk.	Mfr.	Item	Volts	Price
<b>566403</b>	907-194-03-2	250 DX	200/230/460	<b>\$4,743.00</b>
<b>566406</b>	907-198-03-02	350 LX	200/230/460	<b>\$6,798.00</b>

**Complete Package** **Includes** TIGRunner (Syncrowave Coolmate 3CS cooler, No. 37 running gear, RFCS-14 HD remote foot control), 4 gallons of TIG coolant & water-cooled torch kit (TIG torch, cable cover, accessory kit, flowmeter regulator, gas hose, torch connector, & work clamp w/cable & Dinse-style connector).

Stk.	Mfr.	Item	Volts	Price
<b>566977</b>	951-117	250 DX	200/230/460	<b>\$5,225.00</b>
<b>567126</b>	951-622	350 LX	200/230/460	<b>\$7,273.00</b>

**No. 37 Running Gear Miller** Two 10" wheels, two 5" casters, handles & 2-compartment rack for gas cylinders or Coolmate™ V3 coolant system.

Stk.	Mfr.	Price
<b>566301</b>	195-282	<b>\$508.00</b>

**Remote Foot Control Miller** **Includes** 20' cord & 14-pin plug.

Stk.	Mfr.	Price
<b>565921</b>	043-554	<b>\$262.00</b>

**Coolmate™ 3X w/Cart & Dual Cylinder Rack Miller** Use with water-cooled guns. 3 gal. tank.

**Includes** easy-load dual cylinder rack & running gear.

Stk.	Mfr.	Price
<b>566310</b>	300-419	<b>\$1,630.00</b>

**CAN'T FIND IT?**

**Call us at 800-831-5904.**



### Syncrowave® 200

**Miller** Easy-to-use, reliable full-featured square-wave power source provides professional performance with a smooth and steady arc.

- Squarewave output for stable arc & eliminates tungsten spitting
- Dual digital meters shows actual & preset values of amps & volts
- Built-in pulse control enhances weld bead & puddle control
- Cable management system, w/dual cable hangers & foot control storage, attaches to power source side panels
- Auto-post flow protects weld end zone & electrode by optimizing post-flow time based on welding amperage
- 115V auxiliary power w/receptacle for cooling system or small tools
- Runner w/cylinder rack eliminates lifting gas cylinders
- Syncro Start™ allows selection of soft, standard or hot TIG HF starts to optimize application to tungsten dia. & material thickness

Rated output: @ 40% duty cycle: 150 amps @ 26V.

Rated input @ 50/60 Hz, 1 phase: 54 amps @ 208-230V.

Output range: (DC) 5-200 amps.

Unit size 30-1/8"H x 21-1/8"W x 21-1/2"D. Weight 238 lbs.

**Includes** 12-1/2" 150A TIG torch, 12' work cable w/clamp & quick connect, RFCS-14 remote foot control w/20' cord, gas regulator, gas hose, electrode holder w/quick connect & running gear (No. 39).

**Please specify voltage.**

Stk.	Mfr.	Volts	Phase	Price
<b>566411</b>	907-308-00-1	208/230	1	<b>\$2,467.00</b>

**RCC-14 Remote Contactor & Current Control** Side-to-side rotary-motion fingertip control fastens to TIG torch w/2 Velcro® straps. **Includes** 26.5' cord w/14-pin plug. For production & quick ramp-up.

<b>566187</b>	151-086			<b>\$198.00</b>
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**Universal Carrying Cart & Cylinder Rack** For gas cylinder up to 56"H & 6" to 9" dia. Storage for electrodes, helmets, gloves, etc.

<b>565929</b>	042-934			<b>\$363.00</b>
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### Syncrowave 210 AC/DC TIG Welder

**Miller** Ideal for light-industrial applications, the Syncrowave 210 does not compromise power or performance for affordable inverter technology.

- Operator-friendly interface
- Built-in running gear & storage space
- Squarewave output w/AC balance features adjustable oxide cleaning for high quality aluminum welds
- Low power draw inverter-based power source provides full welding output from 230V while drawing less than 30 amps.
- Auto-line power management technology allows for any input voltage hookup (115-230V) w/no manual linking
- Pro-set feature eliminates guesswork when setting weld parameters
- Front panel memory card data port for easily upgrading software & expanded product features
- 3-yr. mfr.'s warranty

Rated output: DC TIG: 125 Amps @ 15V, 60% duty cycle,

AC TIG: 114 Amps @ 14.6V, 60% duty cycle.

Rated Output: DC Stick 90 Amps @ 23.6V, 60% duty cycle.

Welding Range: 5-210 Amps. Weight 133.5 lbs.

**Includes** 10' primary cord, 2 MVP plugs for 115V & 23V, 12' 150 Amp TIG torch w/Dinse connector, 12' work cable w/clamp & Dinse connector, electrode holder w/Dinse connector, RFCS-14 foot control w/20' cord, regulator/flow gauge & gas hose & factory-installed running gear w/EZ-Chance™ Low Cylinder Rack.

Stk.	Mfr.	Volts	Phase	Price
<b>566450</b>	907-596	115/230	1	<b>\$2,590.00</b>



### Diversion Welders

**Miller** Portable, easy-to-use AC/DC TIG machine designed specifically for aluminum and stainless steel welding in a variety of applications.

- Fan-On-Demand™ cooling system only operates when needed
- Fully adjustable amperage setting is available from 10-165 amps on both DC & AC output
- Utilizes latest inverter technology w/an inverter-based AC/DC power source provides efficient & consistent welding arcs
- Auto-Postflow provides non-contact arc starting to eliminate tungsten & material contamination
- Auto-Postflow feature optimizes postflow time based on welding amperage without waste of gas or need for adjustment.
- Torch designed for maximum operator comfort
- 3-yr. mfr.'s warranty

Rated Output: 150 Amps @ 16VDC, 20% duty cycle. Weight: 50 lbs.

**Includes** 12.5' Weldcraft® WP-17 TIG torch w/backcap, ceramic gas cup, 3/32" collet & collet body, 2% ceriated tungsten, RFCS-RJ45 remote foot control, 12' work cable w/clamp, regulator/flow gauge w/hose & TIG Welding for Dummies book w/content by Miller.

**165 Includes** the above, plus Power source w/primary cord (50 Amp, 230V plug).

Stk.	Mfr.	Volts	Phase	Price
<b>567030</b>	907-626	230	1	<b>\$1,623.00</b>

**180 Includes** the above, plus Power source, 8' primary cord w/2 MVP plugs.

Stk.	Mfr.	Volts	Phase	Price
<b>567031</b>	907-627	230	1	<b>\$1,916.00</b>



### 24V Constant-speed Wire Feeders

**Miller** Simple to use, but built w/the strength & flexibility to handle industrial manufacturing & fabricating w/proven reliability.

- Trigger-hold control allows for prolonged, trigger-free welding
- Robust 16 ga. sheet metal housing for rough service applications
- Gear-driven drive rolls offer smooth, positive & accurate wire feed w/ long, uninterrupted service life (24A w/four drive rolls for larger wire dia.)
- On-board bumback & motor ramp control offers unmatched starting & stopping performance w/various power sources for positive arc starts
- Great for heavy- or light-duty fabrication & manufacturing
- Processes include MIG (GMAW) & flux-cored (FCAW) gas & self-shielded
- 3-yr. mfr.'s warranty (parts & labor)

Wire feed speed range 75 to 750 ipm.

Electrode wire dia. capacity .023" to 5/64" (22A), 3/32" (24A).

Unit size 23-1/2"L x 10-3/4"W x 11"H. Weight 36 lbs. (22A), 40 lbs. (24A).

**Includes** performance-matched Bernard® Q™-Gun, 0.035/.045" drive roll & Centerfire™ contact tips.

**22A Features run-in for better arc-starting performance on a variety of wires & remote voltage control allows parameter adjustments in weld cell or at a remote location.**

Stk.	Mfr.	Volts	Amps	Price
<b>567106</b>	951-190	24	7	<b>\$1,103.00</b>

### 24A

Stk.	Mfr.	Volts	Amps	Price
<b>567107</b>	951-193	24	7	<b>\$1,422.00</b>



## MIG WELDERS



### Miller<sup>®</sup> 212 Auto-Set MIG Welders

**Miller** 2-in-1 machine welds material from 22 ga. to 3/8" T in 1 pass. Auto-Set™ automatically sets welder to the proper parameters. Use manual mode to set weld parameters for broader applications.

- Fan-On-Demand™ cooling system
- Infinite voltage control replaces tap settings for dial in precision
- Line Voltage Compensation keeps welding output constant
- EZ-Access™ consumable storage w/parameter chart
- EZ-Change™ low cylinder rack eliminates lifting cylinders
- Solid-state contactor circuit makes wire electrically cold until trigger is pulled
- Compatible w/Spoolmatic® 15A/30A spool gun
- 3-yr. mfr.'s warranty
- Larger work area w/15' M-25 gun
- USA made

Rated output: @ 60% duty cycle: 160 amps @ 24.5VDC.

@ 30%: 210 amps @ 22VDC. Output range: (DC) 30-210.

Wire speed range 50-700 ipm.

Unit size 30"H x 19"W x 40"D. Weight 178 lbs.

**Includes** 15' 250 amp M-25 MIG gun, 10' work cable w/clamp, 7' power cord & plug, Argon mix regulator/flow gauge w/hose, extra contact tips, factory-installed EZ-change low cylinder rack, .030/.035 in reversible drive roll, material thickness gauge, plus set-up & operation CD.

Stk.	Mfr.	Item	Volts	Phase	Price
<b>566420</b>	907-405		208/230	I	<b>\$1,857.00</b>

**Kit Also includes** Spoolmatic M-25 gun, dual cylinder rack, elevated gun & cable rack, regulator & hose.

<b>566979</b>	951-177		208/230	I	<b>\$2,628.00</b>
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#### Contact Tips, 10/pkg.

<b>565750</b>	087-299	.023"/.025"			<b>\$15.80</b>
<b>565748</b>	000-067	.030"			<b>\$15.80</b>
<b>565749</b>	000-068	.035"			<b>\$15.80</b>



### Power MIG<sup>®</sup> 256 Welder

**Lincoln** For light industrial job shop fabrication, maintenance or repair work.. Diamond Core Technology™ delivers excellent out-of-position arc stability, low spatter and a wide voltage sweet spot for steel, stainless steel and aluminum.

- Digital meters display preset voltage & wire feed speed
- Maxtrac<sup>®</sup> cast aluminum industrial wire drive features dual driven rolls, regulated wire feed speed control, brass-to-brass connections & 100% wire supporting split wire guide system
- Magnum<sup>®</sup> Pro gun & cable (15') makes it easy to reach work
- Copper Plus™ contact tips improve heat dissipation increasing tip life
- 115V auxiliary receptacle to power a grinder or other equipment
- Coil Claw™ cable management system keeps workstation organized
- Convenient top-mounted gun expendables tray
- All metal case front

Rated output: @ 40% duty cycle: 250 amps @ 26V.

Output range: (DC) 30-300. Wire speed range 50-700 ipm.

Unit size 31.8"H x 18.9"W x 38.8"D. Weight 245 lbs.

**Includes** Magnum<sup>®</sup> Pro 250L gun (& 15' quick-connect cable w/fixed gas nozzle assembly), expendables tray, built-in undercarriage w/easy-load gas cylinder platform, work clamp & 10' cable, drive roll & wire guide to feed .035"/.045" wire, gas regulator & hose kit for argon blend gases (for use w/CO<sup>2</sup> shielding gas, order a Lincoln Electric S19298 CO<sup>2</sup> shielding gas bottle adapter) & large color coded procedure sheet.

Stk.	Mfr.	Volts	Phase	Price
<b>503700</b>	K3068-I	208/230	I	<b>\$3,074.00</b>



### Miller<sup>®</sup> 180 Auto-Set MIG Welder

**Miller** Welds up to 5/16" mild steel in 1 pass. Smooth-Start™ technology provides a smooth, spatter-free start (w/no pop-gun starts or spatter to clean up).

- Infinite voltage control
- USA made
- Uses 4" & 8" spools
- Cast aluminum feedhead w/dual groove quick-change drive roll & spring-loaded tension arm
- Tip saver short circuit protection shuts down when tip is shorted
- Thermal overload protection shuts down unit, activates temp light
- Easy access to output studs for polarity changeover
- Solid-state contactor circuit makes wire electrically cold until trigger is pulled
- Self-resetting motor protection circuit
- Wire sizes .024"-.035" mild or stainless steel, .030"-.045" flux cored

Rated output: @ 30% duty cycle: 135 amps @ 22.5VDC.

Output range: (DC) 30-180. Wire speed range 90-700 ipm.

Unit size 17-1/2"H x 10-5/8"W x 15-3/4"D. Weight 72 lbs.

**Includes** 10' M-10 Miller MIG Gun, 6' power cord & plug, 10' work cable w/clamp, Smith<sup>®</sup> Argon & AR/CO<sup>2</sup> mix regulator/flow gauge & gas hose, contact tips (2 for .024" wire & 2 for .030" wire), dual groove quick-change drive roll for .024" or .030/.035" wire, spool of Hobart<sup>®</sup> .030" solid wire, information/settings chart, factory-installed gas solenoid valve, Set-up & Operation video.

Stk.	Mfr.	Item	Volts	Phase	Price
<b>566414</b>	907-312		230	I	<b>\$913.00</b>
<b>566330</b>	770-187				<b>\$198.00</b>

#### Contact Tips, 10/pkg.

<b>565750</b>	087-299	.023"/.025"			<b>\$15.80</b>
<b>565748</b>	000-067	.030"			<b>\$15.80</b>
<b>565749</b>	000-068	.035"			<b>\$15.80</b>

#### Nozzle & Adapter

<b>566270</b>	169-715	Nozzle 1/2" dia. orifice			<b>\$30.00</b>
<b>566273</b>	169-716	Tip Adapter, 2/pkg.			<b>\$29.50</b>



### MIG Handler<sup>®</sup> 140 Welder

**Hobart** Unit is ready to weld with or without shielding gas (no add'l. kit required). 25-140 amp output range easily handles a broad selection of solid mild steel or stainless, flux cored and aluminum wires. Welds 24 ga. up to 1/4" steel. 5-position tapped voltage control selector allows fine tuning for a smooth, stable arc on all thicknesses.

- Industrial cast aluminum wire drive system
- Dual-groove quick change drive roll
- Convenient polarity changeover

Rated output: @ 20% duty cycle: 90 amps @ 18VDC, 63 amps @ 21VDC.

Output range: (DC) 25-140. Wire speed range 40-700 ipm.

Unit size 12-3/8"H x 10-5/8"W x 19-1/2"D. Weight 57 lbs.

**Includes** 10' H100S2-10 MIG welding gun, built-in gas valve, regulator & gas hose, power cord w/plug, 10' work cable w/clamp, sample spool of .030" self-shielded flux cored welding wire, 8" wire spool adapter & extra .030" contact tips.

Stk.	Mfr.	Volts	Phase	Price
<b>563230</b>	500-559	115	I	<b>\$578.00</b>

**Millermatic® 141 MIG Welder****Miller**

- Auto-Set™ automatically provides the right settings to weld mild steel while infinite voltage control allows the flexibility to manually set your own parameters
- Angled cast-aluminum drive system with calibrated tension knob creates consistent feeding & easy setup for up to 15' MIG guns
- Quick Select™ drive roll makes setup quicker by offering 3 grooves - 2 for different size solid wire & a 3rd for flux-cored wire
- Auto Spoolgun Detect™ automatically detects when a MIG gun or spool gun is connected eliminating the need for a switch
- Smooth-Start™ provides a smooth, spatter-free start
- Thermal overload protection shuts down unit & activates the over temperature light if airflow is blocked or duty cycle is exceeded
- Uses 4" or 8" spools & can be set up to weld with .024" - .030" solid wire & .030" - .035" flux-cored wire

Rated output: 90 Amps @ 18.5 VDC, 20% duty cycle.  
Wire Speed: 15 - 136 ipm. Unit size 12.5"H x 11.25"W x 20.5"D.  
Weight 51 lbs.

**Includes** power source, 6.5' power cord w/plug, 10' M-100 MIG gun & cable assembly, 10' work cable w/clamp, argon & AR/CO<sup>2</sup> mix flow gauge regulator w/gas hose, Hobart® spool of .030" solid wire, contact tips (2 for .030" wire), Quick Select™ drive rolls (for .024" or .030/.035" solid wire & .030/.035" flux-cored wire), material thickness gauge & Velcro cord wraps.

Stk.	Mfr.	Volts	Phase	Price
<b>566455</b>	907-612	120	I	<b>\$781.00</b>

**Contact Tips Miller 10/pkg.**

Stk.	Mfr.	Item	Price
<b>565748</b>	000-067	.030"	<b>\$15.80</b>
<b>565749</b>	000-068	.035"	<b>\$15.80</b>
<b>565750</b>	087-299	.023"/.025"	<b>\$15.80</b>

**Nozzle & Adapter Miller**

Stk.	Mfr.	Item	Price
<b>566270</b>	169-715	Nozzle 1/2" dia. orifice	<b>\$30.00</b>
<b>566273</b>	169-716	Tip Adapter, 2/pkg.	<b>\$29.50</b>

**Running Gear/Cylinder Rack Miller** Heavy-duty construction with 8" rubber rear wheels and ball bearing casters. Convenient front handles, cable hangers, lower shelf for storage and plastic consumable box. For gas cylinders no greater than 7" in diameter or 65 lbs. in weight. For use with Millermatic & Diversion Welders. Size 37"L x 18"W x 36-1/4"H. Weight 35 lbs.

Stk.	Mfr.	Price
<b>566327</b>	301-239	<b>\$195.00</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our **Customer Service Department** for assistance with damage claims.*

**Millermatic® 252 MIG Welders**

**Miller** Welds material from 22 ga. to 1/2" T in 1 pass. Very high output for welding longer on high-end applications.

- Large, digital front panel w/built-in digital timers menu for presetting voltage & wire feed speed (standard run-in, pre/postflow, burnback, spot/delay "stitch" timer menu)
- Auto Gun Detect™ allows operator to pull trigger on MIG gun, spool gun, or push/pull gun (automatically detects & recalls voltage, wire feed speed & timer of the active gun)
- Push-Pull gun direct connection
- Angled, dual-gear driven cast aluminum drive system (w/no-tool, quick-change reversible drive rolls & easy-to-set, scaled tension knob)
- EZ-Change™ Low Cylinder Rack allows operator to easily roll cylinders on & off of rack w/out lifting cylinders
- EZ-Access™ Consumable Compartment & Parameter Chart to easily & correctly set weld parameters
- Active Arc Stabilizer™ for less weld cleanup
- Line voltage compensation keeps power constant
- Larger work area w/longer 15' M-25 gun
- Fan-On Demand™
- Mfr.'s warranty: 3-yr. (parts/labor), 5-yr. (main power rectifier parts)

Rated output: @ 40% duty cycle: 250 amps @ 28VDC.  
@ 60% duty cycle: 200 amps @ 28VDC.

Wire feed speed (IPM) 50 - 700 ipm.  
Unit size 30"H x 19"W x 40"D. Weight 194 lbs.

**Includes** 15' 250 amp M-25 MIG gun (for .030"/.035" wire), 10' work cable w/clamp, factory-installed gas solenoid, Argon mix regulator/flow gauge & hose, factory-installed running gear w/EZ-Change™ low cylinder rack, .030"/.035" reversible drive rolls, extra contact tips, Set-up & Operation Interactive CD.

**Please specify voltage.**

**252 Includes** above, plus 10' power cord & plug.

Stk.	Mfr.	Item	Volts	Phase	Price
<b>567010</b>	907-321		200/230	I	<b>\$2,312.00</b>
<b>567011</b>	907-322		230/460/575	I	<b>\$2,358.00</b>

**252 Spoolgun Aluminum Package Includes** above, plus Spoolmatic® 30A, dual cylinder rack, elevated gun & cable rack, regulator, hose.

Stk.	Mfr.	Item	Volts	Phase	Price
<b>567060</b>	951-066		200/230	I	<b>\$3,552.00</b>
<b>567059</b>	951-065		230/460/575	I	<b>\$3,615.00</b>

**Contact Tips, 10/pkg.**

<b>565748</b>	000-067	.030"			<b>\$15.80</b>
<b>565750</b>	087-299	.023"/.025"			<b>\$15.80</b>
<b>565749</b>	000-068	.035"			<b>\$15.80</b>

**Spoolmatic 30A** Built-in gas valve, rotatable canister & all wire dual groove drive roll. 30' cable assembly. Roughneck® barrel is Bernard® Centerfire® compatible. Gas valve eliminates purging of long gas lines. 2-stage trigger w/gas preflow. Spool canister rotates 180°. Wire speed adjustment on handle. Reversible drive roll. 200 amp @ 100% duty cycle. Wire speed: 70-875 ipm. Spool size: 4". Wire dia. capacity: .030-1/16" aluminum wire, hard wire up to .045". **Includes** 30' 10-pin cable assembly.

<b>565968</b>	130-831				<b>\$1,081.00</b>
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**Nozzle 5/8" orifice, flush tip.**

<b>566271</b>	169-726				<b>\$22.20</b>
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## MULTIPROCESS WELDERS



### XMT® 304 CC/CV Multiprocess Welder

**Miller** The multiprocess XMT 304 CC/CV combines the advantages of inverter-based power with the built-in features and productivity of high-end MIG machines.

- Wind Tunnel Technology™ protects electrical components & PC boards from contamination
- Fan-On-Demand™ cooling system operates only when needed, reducing noise, energy use & the amount of contaminants pulled through machine
- Lift-Arc™ allows TIG starting w/out the use of high-frequency & starts the arc without contaminating the weld w/tungsten
- Line voltage compensation keeps welding output constant even if input power varies by +/- 10 percent
- Adaptive Hot Start™ increases the output amperage at the start of a weld if necessary, eliminating electrode sticking
- Lightweight, aerospace-grade aluminum case offers protection w/the benefit of reduced weight
- Inverter arc control technology provides greater puddle control for superior 6010 Stick electrode performance
- Large, dual digital meters are easy to view & are presettable to ease setting weld output
- Process selector switch reduces the number of control setup combinations w/out reducing any features
- Auto-Link® circuit automatically links the power source to primary voltage being applied (230/460 or 460/575 VAC, single- or three-phase)

Output Power 10 – 35V, 5 – 400 A

Rated Output: 300 A @ 32 VDC, 60% Duty Cycle, 3-Phase

225 A @ 29 VDC, 60% Duty Cycle, 1-Phase

Welding Amperage Range: 5 - 400 A, in CC mode,

10 - 35 V, in CV mode

Unit size 17"H x 12.5"W x 24"D. Weight 79.5 lb.

Stk.	Mfr.	Volts	Phase	Price
<b>567027</b>	903-471	208-230/460	1 or 3	<b>\$3,581.00</b>

**Welder w/MIG Runner Package** Includes XMT 304 CC/CV power source, 22A wire feeder, Bernard® Q400 MIG gun, .035/.045-inch drive roll kit, regulator/flow gauge with gas hose, MIGRunner cart with cylinder rack bottom tray will hold optional Coolmate 3 (sold separately).

<b>567110</b>	951-343	208-230/460	1 or 3	<b>\$5,745.00</b>
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## PLASMA CUTTERS



### 20 Plasma Cutter

**Lincoln** Lightweight, portable unit cuts sheet metal. Ideal inverter for Vo-Ag, HVAC, auto body, sheet metal fabrication and cutting expanded metal, stainless steel and aluminum.

- No high-frequency to damage sensitive electronic equipment
- Top-mounted, easy-adjust air pressure regulator
- Uses standard compressed air
- 1-yr. mfr.'s warranty (parts & labor), 90 day (plasma torch)
- Fan-cooled

Rated output: 20 amps @ 40%: 10-15 amps @ 50%.

Rated input: 20 amps @ max. output, 15 amps @ 10-15 amps output.

Plasma gas flow/pressure 3.5 cfm @ 65 psi.

Cutting capacity 3/8" steel. Unit size 12.5"H x 6.5"W x 16"D. Weight 21 lbs.

**Includes** cutting torch assembly w/9.5' reach, ground clamp w/8' cable, saddle-hook cable storage, power cord & plug.

Stk.	Mfr.	Volts	Phase	Price
<b>503695</b>	K2820-1	115	1	<b>\$1,206.00</b>



### Spectrum® 375 X-TREME™ Plasma Cutter

**Miller** 30 Amps for 3/8" mild steel capacity, XT30 torch with ergonomic handle and flexible cable, Auto-Line™ and MVP™ plugs make this 19 lb. unit the most portable plasma cutting system on the market.

- Auto-Line™ circuitry automatically connects to 120–240 VAC, 1-phase power, 50/60 Hz, w/out removing the covers to relink power source
- X-CASE™ protects during transport & storage
- Auto-Retire™ technology automatically controls pilot arc when cutting expanded metal or multiple pieces of metal
- XT30 torch w/ergonomic handle to help prevent operator fatigue
- Power w/any Miller engine w/generator or equivalent equipment
- LED indicators for pressure, power, cup & temperature allow faster troubleshooting, eliminating unnecessary downtime
- LVC™ line voltage compensation provides peak performance power under variable conditions

Rated output: (DC): 20 amps @ 35% duty cycle.

Rated input: @ rated output: 20 amps @ 120V. 30 amps @ 240V.

Plasma gas flow/pressure 5.0 cfm @ 90 psi. Cut cap'y. 3/8" steel, 1/4" alum.

Unit size 9"H x 5-1/2"W x 13-1/4"D. Weight 19 lbs. w/torch.

**Includes** XT30 torch w/12' cable, heavy-duty work clamp w/12' cable, XCASE, 10' power cord, MVP plugs 5-15P (120V, 15 A), 6-50P (240V, 50 A), shoulder strap, 2 electrodes, 2 tips, deflector & air fitting.

Stk.	Mfr.	Volts	Phase	Price
<b>566435</b>	907-529	120/240	1	<b>\$1,348.00</b>

**Electrodes Miller** Replacement 25/27A Electrodes. 5/pkg.

<b>566278</b>	176-655			<b>\$43.60</b>
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**Non-Shielded Tips Miller** Replacement 25/27A Tips. 5/pkg.

<b>566279</b>	176-656			<b>\$22.40</b>
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**Shield Cup Miller** Replacement Shield Cup. 5/pkg.

<b>566296</b>	202-808			<b>\$22.20</b>
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### Spectrum 625X Plasma Cutters

**Miller** Big cutting power in a small package. 40 Amps for 5/8" mild steel cutting. Easily connect to 120V or 240V input.

- Auto-Line circuitry automatically connects to 120–240 VAC w/out making internal changes
- MVP adapters allow connection to 120 or 240V receptacles w/out tools

- X-CASE provides ultimate protection & additional space for MVP adapters, consumable box & more
- Auto postflow calculates optimum length of postflow time to optimize consumable life & eliminate excessive air usage
- Heavy-duty work clamp w/flexible cable & quick connect
- Line voltage compensation provides peak performance for steady cuts & cleaner ending cuts
- Auto-Retire technology controls pilot arc when cutting expanded metal or multiple pieces of metal
- LED indicators for power, pressure, cup & temperature
- Automatic air regulation compensates for input pressure variation to provide constant recommended torch pressure
- Automatic gouging consumable detection adjusts gas pressure to optimize performance

Rated Output: 40 amps @ 140 VDC, 50% duty cycle.  
27 amps @ 91 VDC, 20% duty cycle.

Required Input Pressure/Flow 6 SCFM (170 L/min.) @ 90 PSI minimum, 120 PSI.  
Unit size 5.5"W x 13.25"D x 9"H. Weight 21 lbs.

**Includes** XT40 hand-held torch w/cable, complete set of 40A consumables, heavy-duty work clamp & flexible cable w/quick connect, X-CASE, 12' power cord, MVP™ adapters, 240V, 50A (6-50P) plug & 120V, 15A (5-15P) plug, shoulder strap, consumables box w/2 electrodes, 2 tips (40A), 1 tip (30A), drag shield (30A), deflector & air fitting.

#### Cutter w/12' Cable

Stk.	Mfr.	Volts	Phase	Price
<b>566445</b>	907-579	120/240	I	<b>\$1,784.00</b>

#### Cutter w/20' Cable

Stk.	Mfr.	Volts	Phase	Price
<b>566446</b>	907-579-00-1	120/240	I	<b>\$1,897.00</b>

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### AirForce™ 500i Plasma Cutter

**Hobart** Economical unit for all conductive metals. Portable, inverter-based design features an adaptable power source either 115 or 230 VAC power using its Multi-Voltage Plug (MVP). Full-cutting capacity when powered by most engine-driven welders with 240V receptacles.

- Pilot arc controller increases cutting capabilities and speeds, plus improves tip life.
- Ergonomic torch increases comfort & more efficient cooling
  - Smaller heat-affected zone, less warping
  - LVC™ line voltage compensation
  - No gas pressure settings or flame tuning needed
  - More precise cut, thinner kerf, less slag to clean up
  - Power factor correction expands work area via extension cords, minimizes nuisance trips caused by voltage drops
  - Wind tunnel technology protects internal components from dust, etc.
  - Postflow cooling circuit extends consumable life
  - Thermal overload protection withstands tough working environments
  - Cuts faster than oxy fuel
  - Fan-On-Demand™
  - USA made

Rated output: @ 35% duty cycle (DC):  
27 amps @ 92VDC (240V).  
20 amps @ 88VDC (120V).

Rated input: 15 amps @ 120V.

Plasma gas flow/pressure 3 cfm @ 90-120 psi. Cut capacity 3/8" mild steel.  
Unit size 11-1/4"H x 8-1/4"W x 14-1/4"D. Weight 27.8 lbs. w/torch.

**Includes** HP-50 torch w/16.5' cable, 16.5' work cable w/heavy-duty work clamp, 10' power cord w/MVP plug (115/230VAC), cable strap (secures torch, work cable & power cord).

Stk.	Mfr.	Volts	Phase	Price
<b>563220</b>	500-548	120/240	I	<b>\$1,420.00</b>

## SPOT WELDERS



### Air-Cooled Spot Welders

**Miller** Lightweight easy-to-use unit for welding mild, galvanized or stainless material.

- Tongs lock firmly onto material for accurate fit-up while welding
- Adjustment for material thickness is quick & easy
- Reversible handle for left- or right-handed operation

**Tongs sold separately.**

#### Spot Welder

Stk.	Mfr.	Volts	Capacity Mild Steel	Rated Output @ 50% Duty Cycle	Price
<b>566216</b>	900-371	110	1/8"	1.5 KVA	<b>\$618.00</b>
<b>566350</b>	900-377	230	3/16"	2.5 KVA	<b>\$685.00</b>

**Spot Welder w/Timer Panel** **Includes** separate control panel & junction box for primary connections, on/off power switch, 0-5 sec. timer, 10' interconnecting power cord & 10' primary power cord.

<b>566417</b>	901-345	110	1/8"	1.5 KVA	<b>\$1,089.00</b>
<b>566551</b>	901-357	230	3/16"	2.5 KVA	<b>\$1,225.00</b>

**90° Tongs Miller** Tongs w/MT #1. 4-1/2"H throat.

**Includes** welding tips set.

<b>564946</b>	040-218	6"			<b>\$779.00</b>
<b>564947</b>	040-219	12"			<b>\$905.00</b>
<b>564948</b>	040-220	18"			<b>\$945.00</b>

**Welding Tip Miller** Made of RWMA Class 2 alloy.

Stk.	Mfr.	Price
<b>564951</b>	040-223	<b>\$22.40</b>



### Spot Welder Pedestal

**Miller** Leaves both hands free to handle the work. When foot control is depressed, tongs close & the welder switch is activated. Use w/MSW, LMSW & WT spot welders.

Stk.	Mfr.	Price
<b>565680</b>	040-872	<b>\$385.00</b>



### Spot Welder Tongs

**Miller** Leaves both hands free to handle the work. When foot control

is depressed, tongs close & the welder switch is activated. Use w/MSW, LMSW & WT spot welders.

**Includes** standard tip set.

#### Standard Tongs

Stk.	Mfr.	Length	Price
<b>563804</b>	040-197	6"	<b>\$103.00</b>
<b>563871</b>	040-198	12"	<b>\$158.00</b>
<b>563938</b>	040-199	18"	<b>\$180.00</b>

#### TT-6 Tongs

<b>564206</b>	040-203	12"	<b>\$226.00</b>
<b>564273</b>	040-204	18"	<b>\$224.00</b>

#### TT-9 Tongs

<b>564340</b>	040-205	12"	<b>\$228.00</b>
<b>564407</b>	040-206	18"	<b>\$246.00</b>



### Welding Tips

**Miller**

**Standard Tip** May be used on all tongs except MO, FH or FF.

Stk.	Mfr.	Price
<b>564675</b>	040-211	<b>\$20.70</b>

**Flat Tip** May be used on all tongs except MO, FH or FF.

<b>564742</b>	040-212	<b>\$22.60</b>
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**MO Offset Tip**

<b>564943</b>	040-215	<b>\$69.10</b>
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## OXY-ACETYLENE WELDING KITS



### Medium-duty 250 Acetylene Kit

**Firepower** Ideal for light duty work.

- Built-in flashback arrestors & check valves
- 1-yr. mfr.'s warranty

**Includes** 250 medium duty regulators, WH-270FC-FS torch handle w/built-flashback arrestors & check valves, CA250-FS cutting attachment, 0-UM welding nozzle,

series 3 cutting tip, 3/16" x 12.5' grade "RM" hose, striker & goggles.

Stk.	Mfr.	Welding Capacity	Cutting Capacity	Price
<b>405619</b>	0384-2550	5/64"	1/2"	<b>\$273.00</b>



### Shop Flame II Torch Kit

**Forney** Medium-duty oxygen/acetylene unit. Precision engineered and designed for trouble-free performance. Features built-in reverse flow check valves.

**Includes** oxygen regulator, acetylene regulator, welding torch handle, cutting attachment,

universal mixer, #1 cutting tip, #1 welding tip, check valves, striker, hose (3/16" x 20') & goggles.

Stk.	Mfr.	Welding Capacity	Cutting Capacity	Price
<b>409900</b>	1705	3/32"	3/4"	<b>\$352.00</b>



### Toughcut™ Acetylene Kit

**Miller** Medium-duty outfit is capable of cutting, welding, brazing or heating. The torch design provides excellent agility for precision cutting operations. Outfit features a rugged, reliable Series 30™ medium-duty regulator, and comes complete with safety and operations manual.

**Includes** torch handle, cutting attachment, acetylene cutting tip, welding tip, oxygen regulator, acetylene regulator, 3/16" x 20' twin hose, friction lighter, safety glasses, regulator mount check valves & manual.

Stk.	Mfr.	Welding Capacity	Cutting Capacity	Price
<b>567150</b>	MB54A-510	1/8"	1/2"	<b>\$267.00</b>

## ELECTRODE OVENS



### Bench/Floor Electrode Oven

**Phoenix** Stabilize electrodes with these Type 300 ovens that promote even heat distribution while air currents direct moisture toward the vent at top of the door. Tubular, metal-sheathed twin heating elements clamp to upright struts on the bottom of oven, providing

heat without danger of shorting.

- Adjustable thermostatic control w/indicator light for variable temps
- Single-action door latch opens easily, closes positively, can be locked
- 2" glass fiber batt insulation for minimal heat loss
- Aluminized steel interior prevents corrosion
- Easy maintenance

Heating elements (2) 1,000 watts. Temperature range 100° to 550°.

Capacity 350 lbs. Size of electrode handled 10" to 18".

Unit size (inside) 18" dia. x 19" deep, (outside) 29-1/2" x 22-1/2" x 22-1/2".

Unit weight 90 lbs.

**Includes** 6 shelved compartments (removable for wire rolls), 10' three-wire cord w/plug (120V only).

**Please specify voltage.**

Stk.	Mfr.	Volts	Hz.	Phase	Price
<b>618705</b>	1200200	120	50/60	1	<b>\$1,733.00</b>
<b>618700</b>	1200100	240/480	50/60	1	<b>\$2,038.00</b>

**Stacking Ovens** Above ovens w/factory-installed stacking lugs to bolt to the feet of any Type 300 oven.

Stk.	Mfr.	Volts	Hz.	Phase	Price
<b>618706</b>	1200202	120	50/60	1	<b>\$1,997.00</b>
<b>618701</b>	1200102	240/480	50/60	1	<b>\$2,234.00</b>

618701 & 618700|Cord is supplied w/out plug.



### Dry Rod® II Type 2 Portable Electrode Oven

**Phoenix** Stabilizes up to 20 lbs. of electrodes at once. Wire-wrap heating element provides evenly-distributed, constant heat for 100% protection of electrodes. Rod elevator easily extracts welding rods from oven.

- Durable steel body w/tough powder-coat finish
- Safety-yellow color ensures high visibility

- Spring latch tightly secures insulated lid
- Adjustable thermostat
- 120/240 voltage selector switch
- Power inlet accommodates other cord sets
- USA made

Heating element 150 watts. Temperature range 100-300°.

Unit size (inside) 3-7/8" dia. x 19-3/4" deep, (outside) 7-3/4" x 9-1/4" x 23".

Unit weight 15.3 lbs.

Stk.	Mfr.	Volts	Phase	Price
<b>618707</b>	1205512	120/240	1	<b>\$474.00</b>

## WELDING SUPPLIES

### Soapstone & Holder

**Firepower** Chalk for marking metal. 5"L x 1/2"W x 3/16".

Stk.	Mfr.	Item	Price
<b>405630</b>	1423-0095	Soapstone, 6pkg.	<b>\$5.09</b>
<b>405632</b>	1423-0097	Holder	<b>\$4.56</b>

### Gas Brazing Rods

**Firepower** 1/8" bronze rod for general brazing. Highest quality flux-coated low-fuming bronze.

Stk.	Mfr.	Item	Price
<b>405740</b>	1440-0430	36"L. 5 lbs.	<b>\$147.00</b>

### Oxy-Acetylene Rod Assortment

**Forney** For gas welding. 14/pkg. 18" length, 1 lb.

**Includes** seven 3/32" rods & seven 1/16" rods.

Stk.	Mfr.	Item	Price
<b>942806</b>	48493	18"L. 1 lb.	<b>\$24.00</b>

### Gas Welding Rods

**Firepower** For gas welding. High strength steel w/copper coating.

Stk.	Mfr.	Item	Price
<b>405741</b>	1440-0433	36"L. 10 lbs.	<b>\$77.60</b>

### All-purpose Brazing Flux

**Forney** For use w/oxy-acetylene or arc torch, in the general brazing of steel, malleable iron, cast iron & galvanized metals. Also use when fusion welding copper, brass, bronze & other copper alloys. Cleanses the metal & readily dissolves any oxides that may be present or formed during brazing. Oxides form a low melting point, fusible slag, permitting the filler metal to flow freely & form a non-porous, oxide-free weld.

Stk.	Mfr.	Item	Price
<b>942870</b>	37250	1/2 lb. can.	<b>\$7.36</b>

### AWS Class E 6011 Arc Welding Electrodes

**Firepower** Mild steel type electrodes welds through rust, scale, oil & dirt.

- Use when unable to prepare the welding surface
- Deep penetration
- 60,000 psi tensile strength
- AC or DC reverse polarity
- All-position electrode

Stk.	Mfr.	Rod	Qty.	Price
<b>405650</b>	1440-0096	5/32"	5 lbs.	<b>\$19.30</b>
<b>405652</b>	1440-0098	5/32"	50 lbs.	<b>\$166.00</b>
<b>405656</b>	1440-0106	1/8"	5 lbs.	<b>\$18.60</b>
<b>405658</b>	1440-0108	1/8"	50 lbs.	<b>\$162.00</b>
<b>405662</b>	1440-0116	3/32"	5 lbs.	<b>\$21.20</b>
<b>405664</b>	1440-0118	3/32"	50 lbs.	<b>\$185.00</b>

### AWS Class E 6013 Arc Welding Electrodes

**Firepower** Mild steel type electrodes designed for general purpose use.

- Best used w/clean or prepared welding surface
- Medium to shallow penetration
- AC or DC, either polarity 60,000 psi tensile strength
- All-position electrode

Stk.	Mfr.	Rod	Qty.	Price
<b>405670</b>	1440-0125	5/32"	5 lbs.	<b>\$19.40</b>
<b>405672</b>	1440-0127	5/32"	50 lbs.	<b>\$160.00</b>
<b>405676</b>	1440-0135	1/8"	5 lbs.	<b>\$18.20</b>
<b>405678</b>	1440-0137	1/8"	50 lbs.	<b>\$152.00</b>
<b>405682</b>	1440-0146	3/32"	5 lbs.	<b>\$20.80</b>
<b>405684</b>	1440-0148	3/32"	50 lbs.	<b>\$164.00</b>

### AWS Class E 7014 Arc Welding Electrodes

**Firepower** Iron-powder type electrodes designed for high deposition (deposit) & high electrode travel speed.

- Best used w/clean or prepared welding surface
- Medium to low penetration
- 70,000 psi tensile strength
- AC or DC, either polarity
- All-position electrode

Stk.	Mfr.	Rod	Qty.	Price
<b>405690</b>	1440-0151	5/32"	5 lbs.	<b>\$22.00</b>
<b>405692</b>	1440-0153	5/32"	50 lbs.	<b>\$203.00</b>
<b>405700</b>	1440-0201	1/8"	5 lbs.	<b>\$21.70</b>
<b>405702</b>	1440-0203	1/8"	50 lbs.	<b>\$192.00</b>
<b>405706</b>	1440-0206	3/32"	5 lbs.	<b>\$22.80</b>
<b>405708</b>	1440-0208	3/32"	50 lbs.	<b>\$196.00</b>

### AWS Class E 7018 Arc Welding Electrodes

**Firepower** Low-hydrogen type electrodes designed to produce X-ray quality welds.

- Best used w/clean or prepared welding surface
- Medium penetration AC or DC, either polarity
- 70,000 psi tensile strength
- All-position electrode

Stk.	Mfr.	Rod	Qty.	Price
<b>405696</b>	1440-0186	1/8"	5 lbs.	<b>\$19.20</b>
<b>405697</b>	1440-0188	1/8"	50 lbs.	<b>\$150.00</b>

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### MIG Welding Wire

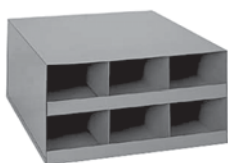
**Firepower** Best used with clean or prepared welding surface. Requires a shielding gas. DC reverse polarity.

**Premium AWS Class ER 70S-6 Solid MIG Welding Wire** For general purpose MIG welding on mild steel.

Stk.	Mfr.	Wire Size	Spool Size	Price
405711	1440-0215	.030"	2 lbs.	<b>\$13.10</b>
405712	1440-0216	.030"	11 lbs.	<b>\$46.80</b>
405713	1440-0217	.030"	33 lbs.	<b>\$108.00</b>
405715	1440-0220	.035"	2 lbs.	<b>\$10.90</b>
405716	1440-0221	.035"	11 lbs.	<b>\$44.00</b>
405717	1440-0222	.035"	33 lbs.	<b>\$110.00</b>

**Premium AWS Class ER 5356 Aluminum Welding Wire** For aluminum MIG welding.

Stk.	Mfr.	Wire Size	Spool Size	Price
405720	1440-0240	.030"	1 lb.	<b>\$18.00</b>
405721	1440-0241	.035"	1 lb.	<b>\$17.50</b>



### Welding Electrode Cabinet

**Durham** Made of prime rolled cold steel w/interlocking construction. Holds welding rods up to 18" length. Six compartments each measure 4"H x 5-1/4"W. Gray baked enamel.

Stk.	Mfr.	Overall Size	Price
345100	921-95	16-1/8" x 8-1/8" x 18-1/2"	<b>\$97.80</b>



### Welding Rod Storage Tube

**Tweco** Weld rod storage tubes provide great storage for all your welding electrodes, rods and filler metals. Chloride-free and features a threaded cap with long lasting neoprene seal

to keep electrodes airtight-preventing them from being contaminated with atmospheric moisture. Holds up to 10 lbs. of 12" or 14" electrodes.

Stk.	Mfr.	Price
405623	1421-0062	<b>\$26.10</b>



### Fire/First Aid Blanket

**Steiner** Flame retardant, wool blanket with serge hems can be used to smother flames and cover injured students. Red nylon storage pouch is vinyl coated to withstand water, weather and cold. Also features carrying strap, 4 heavy-duty hanging grommets and a Velcro™ fastener.

**Meets 16 CFR Part 1610 standard for flame retardant use.**

Stk.	Mfr.	Size	Price
884885	BTPCO	5' 2" x 7"	<b>\$83.80</b>



### Fire Blanket w/Cabinet

**sellstrom** White fiberglass, heat-resistant blanket to cover the fire, or to wrap around a person whose clothes are on fire. Protects for excursion temperatures to 1000°F. Chemical resistant red steel cabinet is wall-mountable (15"H x 15"W x 2"D) and designed to protect blanket from common exposure.

Stk.	Mfr.	Size	Price
772740	97457	5' x 6'	<b>\$120.00</b>

## WELDING TOOLS



### Weld Cleaning Tools

**Forney** For fast, clean slag removal. Hammer heads are high carbon steel w/flat chisel. Wide blade prolongs tool life.

### Chipping Hammer w/Brush

Stk.	Mfr.	Item	Weight	Length	Price
409950	70500		1.3 lbs.	12"	<b>\$11.30</b>
969323	44070	Brush Refill			<b>\$4.95</b>

### Straight Head Chipping Hammer

Stk.	Mfr.	Item	Weight	Length	Price
409960	70600	Shockproof Handle	1 lb.	10-1/2"	<b>\$7.36</b>
409965	70610	Wooden Handle	9 lb.	10-1/2"	<b>\$8.84</b>



### Dominator Weld Wakker™

**Mayhew** Break apart spot welds or bonded panels. Strikeable handle end cap & side edge of tool. 1" blade w/black oxide finish. Soft-grip handle.

Stk.	Mfr.	Item	Price
528640	42020	12-1/4"L.	<b>\$25.40</b>



### Tip Cleaner Kit

**Anchor** Light and easy to use. Fits all tip sizes. Includes file & 13 sizes (6-26).

Stk.	Mfr.	Price
942804	AB-STC	<b>\$3.57</b>



### Single Flint Lighters

**Shurlite**

**Universal Round File Lighter** Under the hood is the round file that spins & always assures a fresh spark.

Stk.	Mfr.	Price
795100	3001	<b>\$3.56</b>

**Flat File Lighter** Constructed using a round cup design. Allows user to replace the flint when necessary.

Stk.	Mfr.	Price
795098	1501	<b>\$1.95</b>

### Flint Renewals, 5/pkg.

Stk.	Mfr.	Price
795102	3011X	<b>\$1.94</b>



### Tri-flint Lighter

**Shurlite** Made of heavy-duty steel band w/3 flints attached. Triangular design provides 3x the use before renewing flints. USA made.

Stk.	Mfr.	Item	Price
795110	4501		<b>\$5.64</b>
795115	5012X	Tri-Flint Renewal, 4/pkg	<b>\$4.38</b>



### Electrode Holder

**Forney** Heavy-duty 300 Amp electrode holder for most arc welding jobs. Accommodates rods up to 3/16" diameter. Will accept up to #2 welding cable. 10-1/2" length.

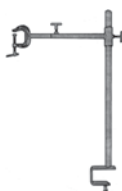
Stk.	Mfr.	Price
<b>942895</b>	56200	<b>\$25.80</b>



### Steel Ground Clamp

**Forney** Good positive connection clamp with 1-3/4" wide jaw opening. 300 Amps, #2 cable capacity, 8" length.

Stk.	Mfr.	Price
<b>942896</b>	54410	<b>\$11.70</b>



### Welding Positioner

**Greene** 42" high, for out of position welding. Use with arc & gas welding. All welded construction. Black color.

Stk.	Mfr.	Item	Price
<b>433615</b>	GWP-1	For Grouted Tables	<b>\$269.00</b>
<b>433624</b>	GWP-2	For Grate-Top Tables	<b>\$229.00</b>



### Weld Tester

**Greene** Loads & deforms weld samples in a controlled manner w/8,000 psi applied pressure. All-welded construction.

- 6"W x 8"D x 12-1/2"H
- 2-1/4" bending radius

- 1" bending rollers
- 1" solid steel bending pin
- Produces 6" stroke distance
- Cross-sectional test capacity 5/8" thick x 2" x 10"L
- Mesh steel flip-away safety deflection guard
- Federal safety green color

Stk.	Mfr.	Price
<b>433797</b>	GBT-9000.G	<b>\$1,114.00</b>



### Pneumatic Weld Bend Tester

**Fischer** Portable, air-driven weld bend tester for manufacturing and fabricating environments. Weld surface to be evaluated never contacts any hard surface during bending. Bottom ejection design assures specimen will not get stuck. Hardened steel rollers with heavy-duty needle bearings do not drag on specimen.

- Single bend radius for economy
- Convertible from 1/4" up to 1-3/4" bend radii
- Rapid, multiple bends possible
- Integral hydraulic system

Size 20"H x 11"W x 6"D, bender. 5.7"H x 5.6"W x 14.7"D, pump. Weight 37 lbs.

**Includes** 1.500" dia. hardened tool steel mandrel.

Stk.	Mfr.	Price
<b>405900</b>	BT1C	<b>\$2,218.00</b>



### Fillet Weld Tester

**Fischer** 25-ton, hydraulic H-frame press will perform qualification and process control testing of typical fillet-welded "T" joints made from 1/2" maximum thickness hot rolled low-carbon steel. The specimens to be tested must have dimensions in accordance with one of the following codes or standards: AWS D1.1, ASME Section IX, or AWS B2.1.

Specimen capacity 1/2"T max., 4-6"L.

Compression force 50,000 lbs. max. Ram travel 6" max.

Air pressure 90-120 psi @ 9 cfm for pneumatic operation.

Size 37"W x 28"D x 72"H. Weight 500 lbs.

**Includes** 6" stroke cylinder w/spring return, air & hand powered hydraulic pump, pressure gauge & flip-up safety shield to protect the operator (not shown).

Stk.	Mfr.	Price
<b>405904</b>	FWTI-AH	<b>\$4,488.00</b>



### Cylinder Trucks

**Harper** Continuous handle model safely transports a 7-1/2" oxygen & 9-1/4" acetylene cylinder combination. Semi-pneumatic rubber tires w/smooth operating ball bearings.

Bracket chain 24"H. Base plate 9" x 18". Size 22-3/4"W x 39-1/2"H.

**Includes** tool box.

Stk.	Mfr.	Item	Price
<b>618710</b>	150-15	10" dia. tires	<b>\$265.00</b>
<b>618711</b>	150-25	12" dia. tires	<b>\$294.00</b>



### 6-Piece Welders File Set w/Brush

**Nicholson** Cuts steel, wood, plastic, leather and rubber.

**Includes** wire brush, two 12" half round bastard files, two 10" mill bastard files & 12" flat bastard file.

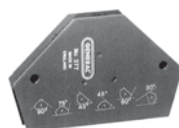
Stk.	Mfr.	Price
<b>543844</b>	MWF-2	<b>\$83.00</b>



### Hold-down Clamp

**Jorgensen** Hold-down clamp offers the advantage of bench top and machine surface clamping. Designed to rotate 360° around the holding bolt. Use anywhere on wood or metal surfaces.

Stk.	Mfr.	Max. Opening	Throat	Price
<b>192110</b>	1623	3"	1-3/4"	<b>\$24.30</b>



### Multipurpose Magnetic Holding Clamp

**General** For holding ferrous metals at fixed angles for clamping or welding application. Permanent ceramic magnet will not lose magnetism & is held between 2 steel plates for added strength. Unique design provides fixed 90°, 75°, 45° & 30° angles. Painted surface prevents rust. Ideal for industrial applications.

design provides fixed 90°, 75°, 45° & 30° angles. Painted surface prevents rust. Ideal for industrial applications.

Stk.	Mfr.	Price
<b>418610</b>	377	<b>\$16.10</b>



### Magnetic Holding Clamps

**Forney** Multi-purpose magnet holds sheets & tubes at 45°, 90° & 135° angles freeing up welder's hands. 1" thick.

Stk.	Mfr.	Size	Price
<b>409980</b>	70715	4-3/16"H x 7-1/2"W	<b>\$11.60</b>
<b>409981</b>	70716	3-1/4"H x 4-3/4"W	<b>\$6.34</b>





### Body Clamps

**Jorgensen** Industrial strength regular duty, deep-throat C-clamps. Black baked-enamel finish. ACME-style thread and long frame hubs for durability.

Stk.	Mfr.	Max. Opening	Throat	Price
<b>191885</b>	126	6"	3-7/8"	<b>\$32.90</b>
<b>191887</b>	128	8"	4-1/2"	<b>\$48.90</b>



### The Original™ Locking Sheet Metal Tool

**Vise-Grip**

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>619201</b>	8R	8"	3-1/8"	<b>\$17.90</b>



### Locking Sheet Metal Clamp

**Crescent** Rust resistant, nickel-plated finish. Maximum jaw opening meets ASME standards.

Precisely machined ferrule for fine jaw adjustment. Compound action for powerful non-slip locking grip.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>310636</b>	C8SMV	8"	3/4"	<b>\$20.40</b>



### Locking Sheet Metal Tool

**Pony** Tempered, hardened, drop-forged alloy steel. Precision jaws. Nickel finish.

Stk.	Mfr.	Length	Jaw Capacity	Price
<b>193300</b>	11-410	10"	1-1/2"	<b>\$13.50</b>



### Locking Panel Clamp

**Vise-Grip** Designed to move in a straight-line motion to allow more access to work area for quick clamping and alignment of auto body panels. Ideally suited for automotive and welding applications.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619495</b>	9AC	7"	3/8"	7/32"	<b>\$23.10</b>



### The Original™ Locking C-Clamps

**Vise-Grip** Powerful locking mechanism. Jaws open wide. Guarded release helps keep work fast and safe. Adjusting screw gives exacting pressure. Locks work with the squeeze of 1

hand. Tough high-grade, heat-treated alloy steel.

### Regular Tips

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619070</b>	6R	6"	2-1/8"	1-1/2"	<b>\$13.30</b>
<b>619402</b>	11R	11"	4"	2-5/8"	<b>\$19.00</b>
<b>619455</b>	18R	18"	8"	9-1/2"	<b>\$31.00</b>
<b>619492</b>	18DR	18"	7-1/2"	9-1/2"	<b>\$31.20</b>

### Swivel Pads

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>618996</b>	4SP	4"	1-5/8"	1-1/4"	<b>\$13.10</b>
<b>619075</b>	6SP	6"	2-1/8"	1-1/2"	<b>\$12.70</b>
<b>619408</b>	11SP	11"	4"	2-5/8"	<b>\$20.50</b>
<b>619460</b>	18SP	18"	8"	9-1/2"	<b>\$28.60</b>



### The Original™ Locking Welding Clamp

**Vise-Grip** U-shaped for visibility & working space. Holds work in proper alignment.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619268</b>	9R	9"	1-5/8"	2-3/4"	<b>\$21.30</b>



### Locking C-Clamps

**Crescent** Rust resistant, nickel-plated finish. Maximum jaw opening meets ASME

standards. Precisely machined ferrule for fine jaw adjustment. Powerful, non-slip compound locking grip allows easy positioning of workpiece.

### Regular Tips

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310632</b>	C6CCV	6"	2"	1-5/8"	<b>\$14.60</b>
<b>310634</b>	C11CCV	11"	4"	3-1/16"	<b>\$22.20</b>

### Swivel Pads

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310633</b>	C6CCSV	6"	2-1/8"	1-1/2"	<b>\$15.90</b>
<b>310635</b>	C11CCSV	11"	4"	2-3/4"	<b>\$24.10</b>

### Welding Clamp w/Regular Tips

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>310637</b>	C9W	9"	1-1/2"	2-5/16"	<b>\$24.80</b>



### Fast Release Locking C-Clamps

**Vise-Grip** Fast Release™ is 2x easier to open, has no-pinch release and offers more finger room. Wide opening jaws for greater clamping versatility. Turn screw to adjust pressure and fit work, stays adjusted for repetitive work. Dura-

ble high-grade, heat-treated alloy steel.

Stk.	Mfr.	Length	Max. Opening	Throat	Price
<b>619345</b>	17T	6"	0 - 2-1/8"	1-1/2"	<b>\$12.40</b>
<b>619462</b>	19T	11"	0 - 3-1/8"	2-5/8"	<b>\$20.90</b>



### Welder's Pliers

**CHANNEL LOCK** Grips and draws out wire. Spring-loaded groove nose design for superior spatter removal. Precision machined, laser heat treated cutting edge. Easy installation and removal of tips, bushings and nozzles.

Stk.	Mfr.	Length	Price
<b>301452</b>	360	9"	<b>\$32.40</b>

## PROTECTIVE EYEWEAR



### Welding Handshields

**sellstrom** Designed for comfort and safety when used in either hand. Cover cap included for the unused hand hold opening to protect from sparks and infrared radiation. Offers quick filter plate replacement.

**Includes** 2" x 4-1/4", shade 10 and clear cover plates.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Lens	Price
<b>772536</b>	25000-10	Shade 10	<b>\$17.70</b>

**B5™**

**sellstrom** High-impact, adjustable frame. Clear anti-scratch UV-absorbing polycarbonate lens provide optical clarity for industrial work. For indoor/outdoor work in low light. Shade 5 IR

for welding, medium to heavy torch soldering, brazing and cutting operations.

**Meets ANSI Z87.1+ standards. Provides 99.9% UV & shade 5 protection.**

**Quantity Savings!**

Stk.	Mfr.	Frame	Lens	Qty.	Price	24 or more
<b>772498</b>	74701	Black	Clear	1	<b>\$5.16</b>	<b>\$4.64</b>
<b>772499</b>	74751	Black	Shade 5 IR	1	<b>\$9.10</b>	<b>\$8.18</b>

**Shade 5 Safety Glasses**

**Miller** Form-fitting glasses feature shade 5 Arc Armor™ reflective UV welding protection that enhances contrast and minimizes glare. Shat-

terproof polycarbonate lenses have anti-scratch coating. Soft foam protects eyes from dust and perspiration. Rubber ear pads.

**Meets ANSI Z87.1-2003 standards.**

Stk.	Mfr.	Frame	Lens	Qty.	Price
<b>566240</b>	235-657	Blue	Shade 5	1	<b>\$13.70</b>

**Lens Cover Goggle**

**sellstrom** Tough vinyl, flexible green PVC goggle is comfortable and well ventilated. 50mm lenses.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Vent	Lens	Price
<b>772640</b>	85250	Direct	Shade 5	<b>\$10.40</b>

**Odyssey® II Shade 5 Cutting Goggle**

**sellstrom** Ultra comfortable, soft black goggle body with soft flange on top/bottom for a secure, snug seal. Indirect vents on top/bottom protecting against liquids and dust while permit-

ting indirect ventilation. Easy-adjust cloth flame-retardant strap. Extra-wide peripheral vision. Fits over prescription eyewear.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Vent	Lens	Price
<b>772729</b>	80211	Indirect	Shade 5	<b>\$19.50</b>

**Lift front Plate Goggle**

**sellstrom** Flexible green PVC welding goggle with a hinged lift front for easy viewing of work. Replaceable 2" x 4-1/4" lift front lens. Uses standard size filter, cover, impact and magnifier plates.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Vent	Lens	Price
<b>772633</b>	85550X	Direct	Shade 5	<b>\$12.50</b>

**Plate Goggle**

**sellstrom** A tough, flexible green PVC goggle with good ventilation and a light-tight fit. Replaceable 2" x 4-1/4" lens. Uses standard size filter, cover, impact & magnifier plates.

Stk.	Mfr.	Vent	Lens	Qty.	Price
<b>772639</b>	85450X	Direct	Shade 5	1	<b>\$11.60</b>

**Replacement Lens IR/PC polycarbonate welding lens.**

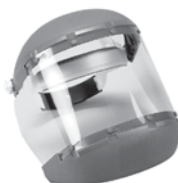
<b>772559</b>	16605		Shade 5		<b>\$3.90</b>
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**Bionic® Full Faceshield**

**UVEX** Tough, lightweight and balanced for all-day comfort. Highly adjustable, easily replaceable visor. Provides built-in chin protection and extended top-of-head coverage against chemical splash, welding, infrared radiation and airborne debris. Breathable, removable, washable headband. No metal parts. Clear uncoated visor.

**Meets ANSI Z87.1+ standards.**

Stk.	Mfr.	Price
<b>475120</b>	S8500	<b>\$26.40</b>

**Chin Protection Faceshield**

**sellstrom** Durable faceshield features extra safety with top and bottom molded plastic caps. Drop-down ratchet headgear and 7" x 19" x .040" clear window are included.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Window	Size	Price
<b>772595</b>	38110	Clear	7" x 19"	<b>\$38.80</b>

**Replacement Window**

<b>772593</b>	36000	Clear	7" x 19"	<b>\$14.90</b>
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**Fog Free Faceshield**

**sellstrom** Plastic crown and ratchet headgear with clear Sta-Clear fog free window. Easy-to-replace acetate faceshield is chemical splash resistant.

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	Window	Size	Price
<b>772575</b>	39140	Clear	8" x 12"	<b>\$31.30</b>

**Replacement Window**

<b>772591</b>	35040	Clear	8" x 12"	<b>\$12.40</b>
<b>772597</b>	35140	Clear	8" x 16"	<b>\$15.40</b>

**Infra-Guard™ IR Shade 5 Faceshield**

**sellstrom** Excellent protection from infrared and ultraviolet rays with a wide viewing area. Includes plastic crown, ratchet headgear and 8" x 12" x .060" IR shade 5 window.

**Meets ANSI Z87.1+ standards.**

Stk.	Mfr.	Window	Size	Price
<b>772576</b>	39150	IR Shade 5		<b>\$42.80</b>

**Replacement Window**

<b>772594</b>	35050	IR Shade 5	8" x 12"	<b>\$16.50</b>
<b>772583</b>	35150	IR Shade 5	8" x 12"	<b>\$27.30</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### Standard Faceshields

**sellstrom** Maximum comfort is available with either the Ratchet or Positive Lock style headgear. Ratchet adjusts with the turn of a knob while wearing the headgear. Positive Lock features 2 snap-in locking headgear straps that adjust independently to ensure a tight fit. Windows are .040" thick.

Meets ANSI Z87.1-2003+ High Impact Standards.

#### Positive Lock Headgear

Stk.	Mfr.	Item	Window	Size	Price
772641	39010	With Window	Clear	8" x 12"	\$21.00
772644	39000	W/out Window			\$14.60

#### Ratchet Headgear

772598	39110	With Window	Clear	8" x 12"	\$29.40
772596	39100	W/out Window			\$21.40

#### Replacement Window

772592	35020		Green	8" x 12"	\$8.90
772590	35000		Clear	8" x 12"	\$9.62
772496	35100		Clear	8" x 16"	\$12.70



### Advantage™ 301 Faceshield

**sellstrom** Durable aluminum-bound polycarbonate faceshield for extreme impact strength. Comfortable, ratchet headgear with soft brow pad and gray ABS crown. Easy-to-replace clear, non-glare window measures 8" x 15-1/2" x .040".

Meets ANSI Z87.1-2003 standard.

Stk.	Mfr.	Window	Size	Price
772730	30110	Clear	8" x 15-1/2"	\$21.80

#### Replacement Window

772731	37600	Clear	8" x 15-1/2"	\$7.40
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### Universal Windows

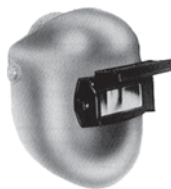
**sellstrom** Chemical-resistant polycarbonate offers outstanding durability, clarity and high-impact resistance. Acetate windows are an affordable option with a non-glare finish providing excellent clarity.

Universal hole pattern allows windows to fit the following faceshields: All-safe 5500SN & CP5004, Apex 8500, Bullard 1001 & 300/400, Crews 103, FibreMetal F501, F5400 & F6400, Huntsman Model K, Jackson 170 & 337, North 67300.

Meets ANSI Z87.1+ standards.

Stk.	Mfr.	Window	Size	Price
772493	37000	Clear Acetate	8" x 16" x .040"	\$10.10
772494	37040	Clear Fog-Free Acetate	8" x 16" x .040"	\$10.90
772495	37050	IR Shade 5 Acetate	8" x 16" x .060"	\$30.60

## WELDING HELMETS



### 280 Traditional Style Series, Super Kool Helmet

**sellstrom** Lightweight, silver-coated nylon helmet is 30% cooler. Sheds spatter without burning. Features Sel-Snap™ retention system and uses standard size filter, cover, impact and magnifier plates. Drop down ratchet headgear.

Requires lens, sold separately. Meets ANSI Z87.1-2003 standard.

Stk.	Mfr.	Style	View Area	Price
772574	28311	Lift Front	2" x 4-1/2"	\$64.70

## WELDING HELMETS

**CAUTION: glasses or goggles must be worn whenever using welding helmets. Impact-resistant plates are not unbreakable & do not provide extraordinary protection against flying particles, splash, spray & spatter.**



### 290 Super Slim Style Series

**sellstrom** Lightweight, silver-coated nylon helmet. Sheds spatter without burning. Features Sel-Snap™ retention system and uses standard size filter, cover, impact and magnifier plates. Drop down ratchet headgear.

Requires lens, sold separately. Meets ANSI Z87.1-2003 standard.

Stk.	Mfr.	Style	View Area	Price
772580	29311	Lift Front	2" x 4-1/4"	\$60.40
772582	29511	Fixed Front	2" x 4-1/4"	\$48.10
772606	29911	Fixed Front	4-1/2" x 5-1/4"	\$49.50



### Super Tuff Black Nylon Helmet

**sellstrom** State-of-the-art performance in a traditional style helmet. Features Sel-Snap™ retention system and uses standard size filter, cover, impact and magnifier plates. Drop down ratchet headgear.

Requires lens, sold separately.

Stk.	Mfr.	Style	View Area	Price
772609	28501	Fixed Front	2" x 4-1/4"	\$44.10



### Titan Welding Helmet

**sellstrom** Balanced, ergonomically crafted and lightweight, helmet offers efficient, comfortable welding. Made of a durable, heat-resistant material with contours that redirect spatter away from cover plate and bib. Provides excellent ventilation and range of head movement.

- Accommodates standard half-mask respirator w/IN95 filters

- Super tough thin shell reduces welder's neck stress & fatigue
- Built-in, adjustable magnifier holder
- Hard hat connection capabilities
- Smooth reduced helmet slam-down
- Increased visibility
- Front loading lens system
- Easy adjusting knobs

Requires lens, sold separately.

Stk.	Mfr.	Style	View Area	Price
772805	24401	Fixed Front	5-1/4" x 4-1/2"	\$56.60



### Advantage Polyethylene Helmets

**sellstrom** Extended crown provides greater overhead protection. Rigid bib deflects welding spatter. Ideal for all welding applications and uses standard size filter, cover, impact and magnifier plates. Gray.

Requires lens, sold separately.

Includes clear plate.

Stk.	Mfr.	Style	View Area	Price
772801	23501	Fixed Front	2" x 4-1/4"	\$28.20
772802	23901	Fixed Front	4-1/2" x 5-1/4"	\$29.50

Helmet w/Lens Includes Striker Module Fixed Shade 10 Lens.

772532	23501-400	Fixed Front	2" x 4-1/4"	\$122.00
772533	23901-401	Fixed Front	4-1/2" x 5-1/4"	\$122.00



### Arc Welding Helmet, Auto-Darkening

**Forney** Lens powered w/built-in lithium battery. Shade adjustable outside the helmet from #9 to #13.

- Darkening reaction time 2 milliseconds
- Ratchet-type headgear
- UV/IR protection

Meets ANSI Z87.1 Safety Standards.

Stk.	Mfr.	Style	View Area	Price
409925	55699	Fixed front	3-13/16" x 1-3/16"	\$121.00



### SmartWeld Pro™ Auto-Darkening Welding Helmet

**sellstrom** Features solar powered, auto-darkening filter.

- Scratch proof, waterproof finish
- For all types of welding, plasma cutting & grinding
- Reaction time of less than 0.0003 seconds
- Auto-delay function prevents necessity of manual adjust for glare
- Solar technology makes it unnecessary to change internal battery
- Variable shade 8-12 adjustment settings
- 2-yr. mfr.'s warranty

Meets ANSI-Z87.1 & CSA-Z94.3 standards.

Stk.	Mfr.	Style	View Area	Price
772511	23000S	Fixed Front	100 mm x 54 mm	\$128.00



### Trident™ Welding Helmet

**sellstrom** Solar-powered Impulse MagSense™ auto-darkening filter provides immediate, flicker-free protection against UV/IR, heat, sparks and spatter in light and dark states.

- Extended crown for overhead protection
- MagSense™ filter's optical & magnetic sensors also provide fail-safe, hands-free use for efficient, quality welding w/less fatigue
- Sleek, light, ergonomic design is ideal for all welding applications
- Quick-release ratchet headgear suspension allows adjustments in size & tightness w/the turn of a knob, to release, pull the knob
- Quality materials combine w/a stylish, colorful USA flag design
- Rigid bib deflects welding spatter
- 3-yr. mfr.'s warranty

Includes variable shade auto-darkening 9 - 13 lens & ratchet headgear.

Meets ANSI Z87.1-2003 standard.

Stk.	Mfr.	Style	View Area	Price
772803	41200GL-611	Fixed Front	1.6" x 3.8"	\$260.00



### Superglas® Welding Helmet

**Fibre-Metal** Equipped with Fibre-Metal®'s classic 3-C free floating headgear that balances and stabilizes the helmet while providing multiple adjustments for individual fit, feel and a better view of the work. Self-extinguishing, smooth helmets deflect sparks and spatter. Reinforced crown, throat and edges resist

cracking. Full size, curved bottom design accommodates OSHA required protective spectacles; respirators and hearing protection while blocking smoke and fumes. 24 sq. inches of unobstructed viewing area with Flash Barrier. Lens shade #10. Gray.

Stk.	Mfr.	Style	View Area	Price
475140	880GY	Fixed Front	4-1/2" x 5-1/4"	\$65.50

## WELDING HELMETS

**CAUTION: glasses or goggles must be worn whenever using welding helmets. Impact-resistant plates are not unbreakable & do not provide extraordinary protection against flying particles, splash, spray & spatter.**



### Galaxy Welding Helmet

**sellstrom** Light weight, black helmet provides maximum head, face and neck protection from sparks and spatter than most traditional welding helmet designs. Includes multi-adjustment ratchet headgear with sweat band for increased comfort. Impulse® Magsense™ auto-darkening filter is solar powered and includes optical

and magnetic detection sensors that provide a "Fail Safe" and no flickering performance.

Meets ANSI Z87.1 + High Impact standard.

Stk.	Mfr.	Style	View Area	Price
772675	41300-611	Fixed Front	1.6" x 3.8	\$231.00



### Digital Pro-Hobby™ Series Welding Helmets

**Miller** Helmets ideal for light-duty applications.

- Digital controls for easy adjust mode & settings
- Headgear w/adjustability settings for fit & comfort
- 2 operating modes, weld (#8-13) & grind (light state #3.5)
- Sensitivity/delay control .10-1.0 sec
- 2 arc sensors for auto-darkening response (1/20,000 sec. lens speed)
- Auto-on/off power control triggers lens at the strike of an arc
- 20 Amp TIG rating
- 3-yr. mfr.'s warranty

Includes 2 lithium batteries.

Meets ANSI Z87.-2003 standard.

Stk.	Mfr.	Item	Style	View Area	Price
566258	256-166	Black	Fixed Front	1.57" x 3.85"	\$151.00
566260	256-169	Camouflage	Fixed Front	1.57" x 3.85"	\$168.00
566308	264-850	Stars & Stripes	Fixed Front	1.57" x 3.85"	\$168.00



### Digital Performance™ Series Welding Helmets

**Miller** Mid-range helmets for all welding applications.

- Quick release cover lens for easy replacement
- Digital controls for easy adjust mode & settings
- Headgear w/adjustability settings for fit & comfort
- 3 operating modes, weld (#8-13), cut (#8-13) & grind (light state #3.5)
- 3 arc sensors for auto-darkening response (1/20,000 sec. lens speed)
- Auto-on/off power control triggers lens at the strike of an arc
- Sensitivity/delay control .10-1.0 sec.
- 5 Amp TIG rating
- 3-yr. mfr.'s warranty

Includes 2 lithium batteries, 5 outside cover lenses, 2 inside cover lenses & helmet bag.

Meets ANSI Z87.-2003 standard.

Stk.	Mfr.	Item	Style	View Area	Price
566255	256-159	Black	Fixed Front	1.85" x 3.85"	\$205.00
566257	256-163	Camouflage	Fixed Front	1.85" x 3.85"	\$222.00
566269	264-851	America's Eagle II	Fixed Front	1.85" x 3.85"	\$222.00



### Headgear Ratchet

**sellstrom** Drop down ratchet headgear for all Sellstrom welding helmets.

Stk.	Mfr.	Price
<b>772568</b>	27001	<b>\$24.30</b>



### Leather Beanies

**Steiner** Extra protection for your head from welding sparks. Made from split cowhide and sewn with Kevlar® thread.

Stk.	Mfr.	Size	Price
<b>885198</b>	12197	Medium	<b>\$22.40</b>
<b>885199</b>	12198	Large	<b>\$22.40</b>



### Leather Welding Helmet Bib

**sellstrom** Protective leather welder's bib attached to the inside of most welding helmets to protect against sparks and splatter. Velcro dots provide a convenient and easy way to attach, adjust and remove bib. Provides protection from infrared and UV rays.

Stk.	Mfr.	Price
<b>772540</b>	21100	<b>\$20.00</b>



### Impulse™ Auto Darkening Welding Filter

**sellstrom** Solar-powered protection for eyes and skin against UV/IR emissions, heat, sparks

and spatters while in both light and dark states. When striking an arc, filter automatically darkens providing hands-free use for more efficient welding with better quality and less fatigue.

- Switching speed up to 0.3 ms.
- Solar powered w/dual sensors
- Water resistant
- 3-yr. mfr.'s warranty

**Meets ANSI Z87.1-2003 standard.**

Stk.	Mfr.	View Area	Overall Size	Shade	Price
<b>772514</b>	27600	1.4" x 3.4"	2.5" x 4.25" x .2"	Fixed Shade 10	<b>\$134.00</b>



### Impulse MagSense™ Shade 9-13 Auto-Darkening Filter

**sellstrom** Auto-darkening optomagnetic detection system is the most fail-safe welding arc recognizing system in the world. Ideal where lighting issues, close proximity to other welders, smoke, or reflections render standard au-

to-darkening filters useless. Capability to detect the light and also magnetic waves that occur during welding.

- Optomagnetic sensors can be adjusted from 0 to 6' in range
  - No premature switching & flickering when arc is briefly obscured
  - Fail safe-absolutely no flickering
  - Solar powered with dual sensors
  - Variable 9-13 Shade
  - Switching Speed: Up to 0.1ms
- Fits most 4-1/2" x 5" or 5-1/4" x 4-1/2". Fits 90 x 110mm helmets.

**Includes** horizontal & vertical adapters.

**Meets ANSI Z87.1 Standards.**

Stk.	Mfr.	Price
<b>772527</b>	27611	<b>\$192.00</b>

### Clear Glass Cover Plates

**sellstrom** Cover plates protect plates from pitting and scratching. Made of durable, heat resistant material.

**Meets ANSI Z87.1 Standards + High Impact Standards**

### Clear Glass Cover Plate

Stk.	Mfr.	Size	Price
<b>772500</b>	19602	2" x 4-1/4"	<b>\$1.98</b>
<b>772510</b>	19604	4-1/2" x 5-1/4"	<b>\$3.08</b>

**CR-39 Cover Plate** Plates provide excellent scratch resistance & longer life.

Stk.	Mfr.	Size	Price
<b>772504</b>	19002	2" x 4-1/4"	<b>\$1.50</b>
<b>772512</b>	19004	4-1/2" x 5-1/4"	<b>\$3.78</b>

### Sel-Snap™ Retainers

**sellstrom**

Stk.	Mfr.	Size	Price
<b>772572</b>	27101	2" x 4-1/4"	<b>\$4.66</b>
<b>772573</b>	27104	4-1/2" x 5-1/4"	<b>\$5.36</b>

### Polycarbonate Welding Lenses for Helmets

**sellstrom** Polycarbonate is recognized for its outstanding impact strength and optical clarity. Impact resistant. Durable heat resistant material. Filter plates provide reliable protection against UV/IR emissions, heat, sparks and spatter.

### IR/PC Plate

Stk.	Mfr.	Size	Shade	Price
<b>772505</b>	16610	2" x 4-1/4"	Shade 10	<b>\$4.43</b>
<b>772513</b>	16710	4-1/2" x 5-1/4"	Shade 10	<b>\$11.00</b>

**Gold-coated Plate** Ideal for intense welding operations, adding extra heat & light reflection.

Stk.	Mfr.	Size	Shade	Price
<b>772561</b>	18510	2" x 4-1/4"	Shade 10	<b>\$14.80</b>
<b>772569</b>	18710	4-1/2" x 5-1/4"	Shade 10	<b>\$23.00</b>

## RESPIRATORS



### Half-mask Respirators

**3M** Economical, lightweight respirators can be disassembled, cleaned and reused. Features soft thermoplastic elastomer facepiece, good visibility and easy-adjust head straps. Use to protect students from a variety of gases, vapors and particulate hazards (including petrochemical, chemical manufacturing, construction, transportation & electronics). When properly fitted, helps provide respiratory protection from certain organic vapors at concentrations up to 10x the Permissible Exposure Limit (PEL).

**Meets NIOSH standard. 2 filters required for each mask, sold separately.**

Stk.	Mfr.	Size	Qty.	Price
<b>942682</b>	6200	Medium	1	<b>\$16.30</b>
<b>942683</b>	6300	Large	1	<b>\$16.30</b>

**Organic Vapor Cartridge** Meets NIOSH 42 CFR Part 84 standard. 2 filters required for each mask.

<b>942684</b>	6001PB1-I		2	<b>\$12.90</b>
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### Respirator Wipes

**sellstrom** Individually packaged wipes keep respirator safe & clean. Each easy-to-use nonalcohol towelette measures 5-1/4" x 7-1/2". Self-dispensing box can rest on counter or hang on wall.

Stk.	Mfr.	Qty.	Price
<b>772529</b>	22185	100	<b>\$10.30</b>

## FUME EXTRACTORS



### Filtair MWX Series Fume Extractors

**Miller** Powerful high volume system with a MERV 15 FilTek XL filter is ideal for fabrication shops, repair work and training centers where mobility is needed. Filters up to 95% of weld fume particulates.

- Easy-to-operate extraction arm adjustments so air can pass through w/less resistance
- Easy-read filter pressure gauge indicates when filter needs replacement

Overall size 31-3/4"W x 48"D x 34-3/4"H. 115V, 12.5 amps, 1 phase. Airflow 875 cfm. 70 dBA @ 5'.

**Disposable Extractor** Filter handles allow easy replacement of dirty filter cartridge with less mess & downtime. Weight 238 lbs.

Stk.	Mfr.	Item	Price
567120	951-507	7' arm	\$4,466.00
567121	951-508	10' arm	\$4,506.00
567122	951-509	12' arm	\$4,566.00
566315	300-539	Disposable Filter	\$510.00

**Self-Cleaning Extractor** 1 min. cleaning cycle. Handle-release disposal drawer for easy particle clean out. Weight 300 lbs.

Stk.	Mfr.	Item	Price
567123	951-510	7' arm	\$6,714.00
567124	951-511	10' arm	\$6,753.00
567125	951-512	12' arm	\$6,814.00
566316	300-540	Self-cleaning Filter	\$520.00



### Mobile Fume Extractor

**Ace Industrial** For production welding, soldering, grinding and sanding. Designed for shop floor use with mobility to move from workstation to workstation.

- 950 cfm, high volume fume extraction & filtration capacity
- 10' extraction arm w/articulated joints designed to hold position for hands-free use
- High-capacity canister filter, 99.95% efficiency, w/on-board cleanable feature using standard shop air
- Wide mouth source capture hood

- Durable casters, 2 that swivel & lock for stability
- Heavy duty steel construction
- Built in spark trap for fire safety
- UL listed
- Filter status gauge
- 2-yr. mfr.'s warranty

Airflow 950 CFM. 75 dB. Overall size 33"L x 26"W x 59"H. Weight 360 lbs.

**Includes** canister filter.

Stk.	Mfr.	Volts	Phase	Price
199295	73-851	120	1	\$5,812.00

### Portable Fume Extractor



**Ace Industrial** For maintenance and light duty TIG, MIG and stick welding and soldering. Designed for field and bench work, this unit is lightweight, portable and easy to use.

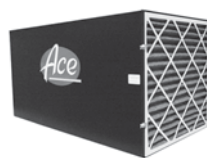
- 226 cfm high vacuum fume extraction & filtering capacity
- Features 99.95% efficiency cleanable canister filter
- Built-in spark trap for fire safety
- LED filter status light alerts operator to change filter
- Magnetic support base for hands-free operation
- Heavy duty steel cabinet will withstand rugged daily use
- UL Listed
- 2-yr. mfr.'s limited warranty

85 dB. Overall size 24"L x 12"W x 12"H. Weight 50 lbs.

**Includes** 10' of flexible extraction hose, 28" flexible steel extraction tube with 12" slot nozzle & magnetic base, LED filter status light & carry handle.

Stk.	Mfr.	Volts	Amps	Phase	Price
199292	73-250	120	14	1	\$1,775.00

### Ambient Air Cleaners



**Ace Industrial** For general shop air cleaning and to supplement source capture methods. Also effective for general air cleaning where source capture is not a practical solution.

- 1800 cfm high volume ambient fume extraction & filtration capacity
- Designed to supplement existing source capture equipment to clean & recirculate shop air
- 18 filtering combinations for varying types of work applications
- Powerful, totally enclosed, permanently lubricated motor ensures long life
- Wide mouth inlets continually capture large quantities of dirty air
- Adjustable return air grills recirculate fresh, clean air into the work area
- Heavy duty all steel construction ensures long product life in rugged work areas
- 2-yr. mfr.'s warranty

120V, 3/4 HP, 1 Phase. Airflow 1,800 CFM. 71 dB. Air inlet 24" x 24" Air Outlet 11" x 9". Size 45.25"L x 23.75"W x 23.75"H. Weight 180 lbs.

**Includes** 1 main pre-filter & 1 main filter for general welding.

### Ambient Air Cleaner

Stk.	Mfr.	Item	Price
199304	74-1800A	With Welding Filter	\$2,703.00
199305	74-1800W	With Grinding Filter	\$2,703.00

### Filters

Stk.	Mfr.	Item	Price
199327	91-980	Main Filter for 74-1800A	\$150.00
199328	91-982	Main Filter for 74-1800W	\$122.00
199330	91-984	Pre-Filter for 74-1800A & 74-1800W	\$49.20

## BENCHES, BOOTHS & CURTAINS



### Soldering Work Benches

**Pucel** Bench constructed of 12 gauge steel tops and legs, 16 gauge stringers and shelves, plus feature side and back stops. Top, stringer and legs are reinforced for extra strength. 3,000 lb. capacity.

Stk.	Mfr.	Overall Size	Shelf Depth	Price
683810	BS-2848	48"W x 28"D x 32-1/2"H	15-1/4"	\$512.00
683811	BS-2860	60"W x 28"D x 32-1/2"H	15-1/4"	\$575.00
683812	BS-3448	48"W x 34"D x 32-1/2"H	15-1/4"	\$564.00
683813	BS-3460	60"W x 34"D x 32-1/2"H	15-1/4"	\$640.00

“ Need a competitive bid or help with a large project? ”

Al Ryan ext. 3130  
aryan@midwesttechnology.com





### ArcStations

**Miller** All-in-1 steel workstations are specially-made for welding and metalworking. Affordable units offer 2 lengths to meet space requirements. Solid steel tops in 3/16" T plain or 3/8" T X-pattern.

- Steel 1/8" frame w/crossbar for added stability

- Sturdy pre-welded legs topped w/removable steel caps
  - Adjustable leveling feet
  - Shelf storage
  - Powder-coated finish
- Overall size 35"H.

#### 29" x 29" Stations 360° access.

Stk.	Mfr.	Item	Price
<b>567090</b>	951-167	3/16" T Plain Top	<b>\$392.00</b>
<b>567091</b>	951-168	3/8" T X-pattern Top w/Dust Tray	<b>\$496.00</b>

#### 29" x 58" Stations Two 29" x 29" combine for more work space.

Stk.	Mfr.	Item	Price
<b>567092</b>	951-169	3/16" T Plain Top	<b>\$681.00</b>
<b>567093</b>	951-170	Combo Tabletops	<b>\$821.00</b>

#### Tool Chest 2 drawers for storing welding tools & consumables.

<b>566319</b>	300-610		<b>\$274.00</b>
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#### Vise Kit Includes 5" vise & quick-remove Vise Mount.

<b>566320</b>	300-611		<b>\$196.00</b>
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#### Vise Mount Quick-remove mount holds 5" vise to ArcStation.

<b>566321</b>	300-612		<b>\$36.00</b>
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#### X-Clamp 6" clamp for use w/X-pattern table top.

<b>566322</b>	300-613		<b>\$57.60</b>
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### Universal Arc Welding Booths

**KEI** Easy-install free standing corner booths of 18 ga. steel with locking metal fittings. Consists of 3 equal panels (*front panel w/doorway*) and steel work shelf (18" x 48"). OSHA approved curtain. Hardware included. Green. USA made.

Overall size 76"H. Door opening 30"W.

#### Shown with Booth & Add-on Unit.

#### 48" x 48"

Stk.	Mfr.	Item	Price
<b>493800</b>	8160	Booth, 4-Sided	<b>\$1,522.00</b>
<b>493802</b>	8170	Add-on Unit, 3-Sided	<b>\$1,218.00</b>

#### 60" x 60"

Stk.	Mfr.	Item	Price
<b>493805</b>	8180	Booth, 4-Sided	<b>\$2,060.00</b>
<b>493806</b>	8190	Add-on Unit, 3-Sided	<b>\$1,746.00</b>



### All-Steel Arc Welding Benches

**Pucel** Top working surface is made of 12 ga. steel. Available with window-type, glare-proof shield for instructional purposes, or with solid shield. Drawer is supplied on both models. Gray.

Bench size 36"L x 36"D x 34"H. 34" from table top to top of shield.

Stk.	Mfr.	Item	Price
<b>683938</b>	AW3636-S-DR	Solid Shields	<b>\$640.00</b>
<b>684005</b>	AW3636-WS-DR	See-thru Shields	<b>\$743.00</b>



### Arc Welding Benches

**Pucel** Built for rugged service. The 12 gauge top has side and backstops. Legs are double formed, embossed 14 gauge steel. Shelf is divided into three equal sections for the storage of welding rods. Gray.

Size 36"L x 36"D x 34"H. Weight 140 lbs.

Stk.	Mfr.	Item	Price
<b>683930</b>	AW3636-DR	Bench Only	<b>\$533.00</b>
<b>683932</b>	AW3636	Bench w/Drawer	<b>\$493.00</b>



### Gas Welding Benches

**Pucel** Heavy-gauge steel bench features a shelf for rod storage. Gray.

Overall size 36"W x 36"D x 34"H.

**Requires 32 firebricks, sold separately.**

Stk.	Mfr.	Item	Price
<b>683871</b>	GW3636	Bench	<b>\$403.00</b>
<b>683670</b>	1416-1	Drawer	<b>\$75.60</b>

#### Firebricks 2-1/2" x 4-1/2" x 9". 32/pkg.

Stk.	Mfr.	Item	Price
<b>209955</b>	1812		<b>\$248.00</b>



### 4-Station Gas Welding Table

**Greene** All-welded construction of heavy 3/16" thick steel, gray.

- Gas distribution tower meets safety regulations
- Fully grouted firebrick work surface
- 4 torch holders
- Floor anchor pads
- USA made

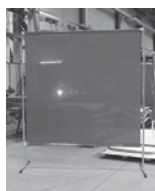
Table size 50"W x 50"D x 34"H. Side shield 24"H.

**Table Only Includes** two 1/2" ball valves & two 1-way check valves on tower inlet.

Stk.	Mfr.	Price
<b>433640</b>	GOA-4	<b>\$3,503.00</b>

**Table w/Welding Package Includes** two 1/2" ball valves & two 1-way check valves on tower inlet, plus oxygen & acetylene regulators, 12' hose, welding torch, goggles, striker, cutting tip, 3 welding tips (#0, #2, #4) & cutting attachment.

Stk.	Mfr.	Price
<b>433644</b>	GOA-4.WP	<b>\$7,823.00</b>



### Cepro® Gazelle Welding Curtain & Frame Kit

**sellstrom** Protects welder against reflected welding light. 6.5'W x 6'H frame. 6' x 6', 14 mil. transparent vinyl curtain.

- Easy to assemble
- 1" x .04" zinc plated pipe interconnected w/strong bolt fixings

• Transparent welding curtain for good visibility of the work area

**Includes** four 2' dia. rubber swivel casters, two w/brakes.

Stk.	Mfr.	Item	Price
<b>772657</b>	97240-1	Orange Curtain	<b>\$130.00</b>
<b>772658</b>	97240-3	Green Curtain	<b>\$132.00</b>



### Safety Welding Curtains

**Steiner** 14 mil. flame-retardant, tinted transparent vinyl provides protection from harmful UV rays and sparks for the viewer or passerby. Blocks most of the UV radiation, reduces the visible flash, and allows light into the work area. Flame resistant and meets CFM requirements.

- 3/8" I.D. brass grommets placed on all 4-sides at approx. 12" centers
- Actual size varies to 3" in H & W to allow for seams & hems.

**Warning: Curtains are not used as a replacement for a welding helmet or filter plate, but as transmission protection for the casual observation.**

Stk.	Mfr.	Color	Size	Price
<b>885321</b>	33346	Green	4' x 6'	<b>\$36.40</b>
<b>885323</b>	33366	Green	6' x 6'	<b>\$31.00</b>
<b>885324</b>	33386	Green	6' x 8'	<b>\$38.80</b>
<b>885320</b>	33306	Green	6' x 10'	<b>\$49.90</b>
<b>885316</b>	33388	Green	8' x 8'	<b>\$97.10</b>
<b>885326</b>	33846	Orange	4' x 6'	<b>\$36.40</b>
<b>885328</b>	33866	Orange	6' x 6'	<b>\$31.00</b>
<b>885329</b>	33886	Orange	6' x 8'	<b>\$38.80</b>
<b>885325</b>	33806	Orange	6' x 10'	<b>\$49.90</b>
<b>885318</b>	33888	Orange	8' x 8'	<b>\$97.10</b>

### Adjustable Welding Curtain Frame

**sellstrom** Adjusts to 5'x5', 5'x6', 6'x4' & 6'x6'. Easy-to-assemble 7/8" O.D. galvanized steel pipe & fittings. Anti-skid legs.

Stk.	Mfr.	Price
<b>772737</b>	97230	<b>\$304.00</b>

### Welding Curtain Metal Hooks

**Steiner** Hang welding curtains from cable or pipe frame.

Stk.	Mfr.	Item	Price
<b>885340</b>	41000	2" hooks, 10/pkg.	<b>\$11.60</b>

## WELDING CLOTHING



### Welding Supply Package Midwest

**Includes** cotton welding jacket, large, work/welding gloves, welding blanket, 5' x 7', bib-style leather apron, welding helmet,

cotton welding cap, safety glasses, 19" tool bag w/20 tool pouches, adjustable welding curtain frame, welding curtain, 6' x 6' & face shield w/window.

Stk.	Mfr.	Price
<b>585500</b>	MW-WSP	<b>\$629.00</b>



### Welder's Protection Starter Pack

**Miller** Arc Armor® premium welding protection for the hobbyist to the professional welder.

**Includes** variable shade auto-darkening helmet, 9 oz. flame resistant cotton navy welding jacket, MIG welding gloves, metalworking gloves, 20-pocket tool bag & safety glasses.

Stk.	Mfr.	Size	Price
<b>566266</b>	255-848	Large	<b>\$197.00</b>
<b>566267</b>	255-850	X-Large	<b>\$197.00</b>
<b>566268</b>	255-851	2X-Large	<b>\$213.00</b>



### Kevlar Bib Apron

**Steiner** Made from a blend of Kevlar® and fiberglass, this apron resists heat up to 600°F. Abrasion and cut resistant.

Stk.	Mfr.	Size	Price
<b>885205</b>	18425	24"W x 39"L	<b>\$76.40</b>



### Kevlar Sleeves

**Steiner** Made from a blend of Kevlar® and fiberglass, sleeves resist heat up to 600°F. Abrasion and cut resistant. Sleeves protect up to the mid-biceps muscle and snaps at the wrist.

Stk.	Mfr.	Size	Price
<b>885207</b>	18440	18"L	<b>\$56.90</b>



### Weldmite™ Cotton Bib Aprons

**Steiner** A protective clothing option that is lighter and more comfortable than leather for applications not requiring leather. Made from 12 oz. permanently flame retardant fabric, the 100% cotton will retain its flame retardant properties even after repeat washings. These bucktan garments are sewn from full-cut patterns and offer adjustable neck and waist straps.

Stk.	Mfr.	Size	Price
<b>885125</b>	10125	24" x 36"	<b>\$14.10</b>
<b>885126</b>	10126	24" x 40"	<b>\$15.40</b>



### Weldlite™ Flame Retardant Clothing

**Steiner** 9 oz. cotton clothing is permanently flame retardant without taking away from its natural qualities. It's cooler and lighter than leather. Ideal for indoor or warm weather use. Stress points are bar tacked for greater strength. Green color.

**885132**  
**885136 &**  
**885139**  
**(right)**

**Jackets** 30"L jacket has inside chest pocket and non-reflective snap closure and snaps at wrist.

Stk.	Mfr.	Size	Price
<b>885132</b>	1030-M	Medium	<b>\$24.20</b>
<b>885133</b>	1030-L	Large	<b>\$24.20</b>
<b>885134</b>	1030-X	X-large	<b>\$24.20</b>
<b>885131</b>	1030-2X	2X-large	<b>\$26.60</b>

**Cape Sleeves & Bib** Arm & upper torso protection. Non-reflective snap closure & wrist snaps. Detachable bib for added protection, sold separately.

Stk.	Mfr.	Size	Price
<b>885136</b>	1032-M	Medium	<b>\$18.90</b>
<b>885137</b>	1032-L	Large	<b>\$18.90</b>
<b>885138</b>	1032-X	X-Large	<b>\$18.90</b>
<b>885144</b>	1032-2X	2X-Large	<b>\$20.80</b>
<b>885135</b>	10315	Bib, 19"L	<b>\$6.37</b>

**Split Leg Apron** Protection w/freedom of movement. Reinforced crotch & adjustable waist, neck & leg straps.

Stk.	Mfr.	Size	Price
<b>885139</b>	10336	24"W x 40"L	<b>\$15.90</b>





### Leather Cape Sleeves w/Bib

**Steiner** USA domestic side split cowhide cape sleeves with 14"L bib. Double lock stitched Kevlar® sewn seams. Riveted at stress points with non-reflective black snaps at collar, front closures and wrist. Stand-up/roll down leather collar snaps securely in place.

Stk.	Mfr.	Size	Price
<b>885140</b>	1212-M	Medium	<b>\$174.00</b>
<b>885141</b>	1212-L	Large	<b>\$174.00</b>
<b>885142</b>	1212-X	X-large	<b>\$174.00</b>
<b>885143</b>	1212-2X	2X-large	<b>\$186.00</b>



### Leather Leggings with Spats

**Steiner** Protect your lower legs and shoes with 12" leather leggings featuring a hook and loop fastener to hold leggings in place and 9" leather shoe protector.

Stk.	Mfr.	Price
<b>885195</b>	12186	<b>\$65.60</b>



### Leather Spats

**Steiner** Full protection for foot and ankle. 5"H spats fasten by 3 adjustable straps on the ankle and 1 on the instep.

Stk.	Mfr.	Price
<b>885194</b>	12185	<b>\$23.60</b>



### Weld-Rite™ Leather Jackets

**Steiner** Weld-Cool™ side split cowhide jackets feature underarm ventilation and riveted open seam upper back to increase air circulation and provide cool comfort in warm environments. Strong, flexible leather resists cuts, sparks and slag. Reinforced, non-reflective snaps and Kevlar® stitched seams. Satin lined shoulders and upper arm. Stand-up/roll down leather collar snaps securely in place to protect neck. Adjustable waist cinch straps for comfortable tapered fit.

Soap stone holder on each upper arm.

#### 26"L

Stk.	Mfr.	Size	Price
<b>885400</b>	9214-M	Medium	<b>\$93.10</b>
<b>885401</b>	9214-L	Large	<b>\$93.10</b>
<b>885402</b>	9214-X	X-large	<b>\$93.10</b>
<b>885403</b>	9214-2X	2X-large	<b>\$103.00</b>

#### 30"L

Stk.	Mfr.	Size	Price
<b>885405</b>	9215-M	Medium	<b>\$98.70</b>
<b>885406</b>	9215-L	Large	<b>\$98.70</b>
<b>885407</b>	9215-X	X-large	<b>\$98.70</b>
<b>885408</b>	9215-2X	2X-Large	<b>\$109.00</b>

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### Weld-Rite™ Leather Cape Sleeves & Bib

**Steiner** Protect shoulders, arms, neck, and upper body, while the back is left open to maximize ventilation and movement. Snap front closure, wrist, collar and bib attachment. Sewn with Kevlar® thread. Weltd shoulder and arm seams with rivet reinforced stress points.

**Bib shown with cape sleeves, sold separately.**

### Cape Sleeves

Stk.	Mfr.	Size	Price
<b>885370</b>	9210-M	Medium	<b>\$64.70</b>
<b>885371</b>	9210-L	Large	<b>\$64.70</b>
<b>885372</b>	9210-X	X-Large	<b>\$64.70</b>
<b>885373</b>	9210-2X	2X-Large	<b>\$71.20</b>

### Detachable Bib

<b>885378</b>	92115	19"L	<b>\$20.60</b>
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**885410 885412 885415**

### Weld-Rite™ Leather Aprons

**Steiner** Quality crafted from premium side split cowhide with Kevlar® stitched seams, rivet reinforced stress points and adjustable nylon straps with quick-release buckle.

### Waist Apron

Stk.	Mfr.	Size	Price
<b>885410</b>	92160	24"W x 24"L	<b>\$25.30</b>

### Bib-Style Apron 2-compartment chest pocket.

<b>885412</b>	92165	24"W x 36"L	<b>\$37.80</b>
<b>885413</b>	92166	24"W x 42"L	<b>\$44.90</b>

### Split-leg Apron Adjustable leg straps.

<b>885415</b>	92171	24"W x 42"L	<b>\$52.80</b>
<b>885416</b>	92172	24"W x 48"L	<b>\$57.10</b>



### Weld-Rite™ Leather Sleeves

**Steiner** Premium side split cowhide sleeves fit easily into welding glove cuffs to protect upper arms. Kevlar® stitching, adjustable leather strap on upper arm/shoulder and rivet reinforced seams and stress points.

### 18"L Protects up to the mid-bicep, snaps at wrist.

Stk.	Mfr.	Qty.	Price
<b>885419</b>	92180	2	<b>\$26.20</b>

### 23"L Adjustable neck strap, snaps at wrist.

<b>885420</b>	92181	2	<b>\$37.20</b>
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## WELDING GLOVES



### Cowhide Welding Gloves

**Steiner** Heat Resistor™ triple layer lined side split cowhide gloves. Aluminized Mylar® inner layer reflects radiant heat off back of hand. Wing thumb with double reinforced palm and

thumb. Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885045</b>	02139	Large	<b>\$18.40</b>



### Red Welding Gloves

**Steiner** Red side split cowhide gloves with foam insulated back and palm with full cotton lining. Straight thumb with reinforced thumb and palm. Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885090</b>	02719	Large	<b>\$15.90</b>



### Foam-lined Welding Gloves

**Steiner** Brown side split cowhide gloves with foam insulated full cotton lining. Reinforced wing thumb. Fully welted and Kevlar® sewn.

Stk.	Mfr.	Size	Price
<b>885220</b>	2119B	Large	<b>\$15.00</b>



### Economy Welding Gloves

**Steiner** Gray shoulder split cowhide gloves with full cotton lining. Fully welted.

Stk.	Mfr.	Size	Price
<b>885050</b>	02209	Large	<b>\$9.57</b>



### Natural Thumb™ Welding Gloves

**Steiner** Green premium grade side split cowhide gloves with triple layer insulated Heat Resistor™ lined back, foam insulated palm. Natural thumb design reduces fatigue. Reinforced thumb and palm patch. Fully welted and Kevlar® sewn. Green.

Stk.	Mfr.	Size	Price
<b>885016</b>	023NT	Large	<b>\$22.40</b>



### Premium-grain Pigskin MIG Gloves

**Steiner** Premium grain pigskin with reverse grain pigskin palm. Fully welted gloves with foam insulated back, unlined palm, straight thumb, reinforced thumb strap and 5" cuff.

Stk.	Mfr.	Size	Price
<b>885010</b>	P750M	Medium	<b>\$17.10</b>
<b>885011</b>	P750L	Large	<b>\$17.10</b>
<b>885012</b>	P750XL	X-large	<b>\$17.10</b>



### MIG Welding Gloves

**Miller** Select-grade leather with unprecedented comfort and performance. Lined gloves with dual padded palm for added comfort. Fleece insulated palm, foam insulated back. Original wrap-around keystone thumb design for exceptional dexterity and comfort.

Stk.	Mfr.	Size	Price
<b>566263</b>	263-333	Large	<b>\$36.00</b>



### Premium TIG Welding Gloves

**Miller** Premium goat grain leather. Completely unlined for superior flexibility and dexterity. Triple padded palm for added comfort. Sewn w/100% flame-resistant Kevlar® thread for maximum seam strength.

Stk.	Mfr.	Size	Price
<b>566264</b>	263-348	Large	<b>\$36.00</b>



### Split Deerskin TIG Gloves

**Steiner** Unlined split deerskin gloves with straight thumb and 2" cuff. Kevlar® stitched.

Stk.	Mfr.	Size	Price
<b>885025</b>	0221L	Large	<b>\$13.40</b>

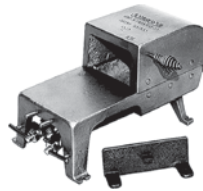


### TIG Welding Gloves

**Steiner** Unlined, Kevlar®-stitched sheepskin gloves. Sensi-TIG™ seamless index finger and straight thumb. 4" gray cuff.

Stk.	Mfr.	Size	Price
<b>885027</b>	0223M	Medium	<b>\$17.10</b>
<b>885028</b>	0223L	Large	<b>\$17.10</b>
<b>885029</b>	0223XL	X-large	<b>\$17.10</b>

## FOUNDRY TOOLS & SUPPLIES



### Bench Soldering Furnace No. 101

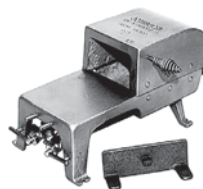
**Johnson Mfg.** A powerful, efficient and economical bench furnace made for heating soldering coppers up to 12 lbs. per pair, heat-treating, tempering, annealing or case-hardening any carbon steel tools or small metal parts such as dies, taps, reamers, chisels, gears, etc. No blower is needed, which eliminates use of a muffle. Equipped with shut-off valve and pilot light. Firebox forms a rest and protects points of coppers. Johnson patented, curved shaped hood forces return blast over parts being treated. A baffle plate, which partly closes front of furnace, is furnished. Hood and bottom lined with heavy refractory.

Unit size 14"L x 7-3/8"H. Firebox 3-3/4" x 4-1/2" x 5-1/2". Firebox opening 4-1/2" x 2-3/4". Gas connect pipe size 3/8". Burners 2. Gas consumed 26,000 BTU per hour per burner.

Stk.	Mfr.	Price
<b>486134</b>	101	<b>\$905.00</b>

### Complete Relining Kit for 101

Stk.	Mfr.	Price
<b>486201</b>	101-20	<b>\$292.00</b>



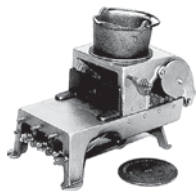
### Bench Soldering Furnace No. 112

**Johnson Mfg.** Equipped with 2 powerful Johnson Bunsen Burners, each with shut-off valve and pilot light. Designed to heat soldering coppers up to 12 lbs. per pair. Can also be used for heat-treating small carbon steel tools. Firebrick lined base. Shelf in rear of firebox forms rest for soldering coppers and protects points. Curved shaped hood forces return blast over top of parts being treated.

Unit size 14"L x 7-3/8"H. Firebox 3-3/4" x 4-1/2" x 5-1/2". Firebox opening 4-1/2" x 2-3/4". Gas connect pipe size 3/8". Burners 2. Gas consumed 26,000 BTU per hour per burner.

Stk.	Mfr.	Price
<b>486268</b>	112	<b>\$870.00</b>

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### Combination Bench Furnace No. 118

**Johnson Mfg.** An efficient furnace for all-around shop use. For heating soldering coppers or stenciling irons; also for tempering, heat-treating, annealing, case-hardening or soft metal melting. Shelf in rear of firebox forms rest and protects points of soldering coppers. Patented, curved shaped hood forces

return blast over tops of irons or parts being treated. Firebox lined with refractory. Baffle plate retains heat and maintains even temperature. Heat long rods by opening side doors in hood. Equipped with 22 lb. capacity melting pot for melting small quantities of soft metal, like lead, babbitt, etc.

Unit size 16"L x 9-1/2"H. Firebox 6-1/4" x 5" x 6-1/2".

Firebox opening 4" x 6". Gas connect pipe size 3/8". Burners 3.

Gas consumed 39,000 BTU per hour per burner.

Stk.	Mfr.	Price
<b>486335</b>	118	<b>\$1,253.00</b>

### Complete Relining Kit

<b>486469</b>	118-10	<b>\$448.00</b>
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### Melting Pot

<b>486402</b>	118-4	<b>\$161.00</b>
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### Soldering Coppers & Handle

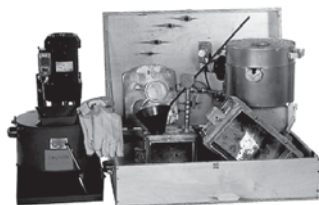
**Johnson Level** Genuine drop-forged coppers for high-level heat retention. Use copper w/wood handle.

**Handle** Medium. 1/pkg.

Stk.	Mfr.	Price
<b>490021</b>	303-03M	<b>\$9.45</b>

### Pointer Coppers 2 lbs., 2/set

<b>490020</b>	300-02	<b>\$97.00</b>
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### Basic Foundry Package C

**Mini-Mite** Complete casting system with all equipment and supplies required for pouring.

#### Includes

- Model F-3 Melting Furnace
- upset (2" for 8" x 8" flask)
- upset (2" for 8" x 14" flask)
- rammer (aluminum)
- sprue cutter (brass, 1" x 6")
- 319 aluminum alloy (50 lbs.)
- Model M-2 Sand Muller
- ladle (mild steel, 4 lbs. aluminum cap)
- riddle (No. 8 mesh)
- Petrobond™ sand (200 lbs.)
- non-silica dry parting aluminum powder (5 lbs.)
- flask & bottom plate (8" x 8" aluminum, 3" cope, 3" drag)
- flask & bottom plate (8" x 14" aluminum, 3" cope, 3" drag)
- match plate (aluminum for 8" x 8" flask, hamburger ring w/handle)
- demonstration & storage box (2' x 3' x 10-1/2")
- plus gate cutter, shovel, strike-off bar, gloves, goggles & manual

Stk.	Mfr.	Price
<b>794214</b>	C	<b>\$7,440.00</b>

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### Portable Reverberatory Tilt-Type Melting Furnace

**Mini-Mite** Reverberatory tilt-type design allows up to 15 lbs. of aluminum to be melted by direct flame on refractory surface. No crucibles required. Portable and lightweight. VS control on blower motor for infinite control over

blower flame, correct air to gas mixture and temperature range. Thermo-couple gas shut-off system operates on natural or bottle gas.

Unit size 20"L x 19"W x 17"H. Unit weight 80 lbs. Capacity 15 lbs.

Gas connect pipe size 1". Burners 1. Gas consumed 150,000 BTU.

Stk.	Mfr.	Price
<b>794209</b>	F-3	<b>\$1,938.00</b>



### Foundry Molder's Benches

**McEnglevan** All-steel construction benches with hinged covers. Front door removes for storage within the lid, and also serves as complete tool kit(s) rack and storage area.

Unit size 30"D x 30"H (working height 25").

**Includes** 4 heavy-duty casters (2 swivel, 2 rigid) & detachable work shelves.

### Single Workstation

Stk.	Mfr.	Item	Price
<b>531405</b>	MB-1	30"W, 225 sand capacity, 1 tool storage kit.	<b>\$1,844.00</b>

**Single Workstation 14-Piece Kit** **Includes** M-5 Tool Kit (1-1/4" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 3/8" x 14" lifter), 24" strike-off bar, aluminum bench rammer, molder's bellows, square point molder's shovel (10" x 12"), bulb sponge (8 oz.), 2 hand riddles (18", 1 w/#8 mesh & 1 w/#4 mesh), plus 5/8" tapered sprue cutter & 10 lb. box of parting dust & bags.

<b>531407</b>	MKB-1		<b>\$632.00</b>
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**Dual Workstation** **Includes** extra wheel for center support.

<b>531406</b>	MB-2	60"W, 450 sand capacity, 2 tool storage kits.	<b>\$3,324.00</b>
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**Dual Workstation 20-Piece Kit** **Includes** 2 M-5 Tool Kits (1-1/4" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 3/8" x 14" lifter), 3 hand riddles (18", 2 ea. w/#8 mesh & 1 w/#4 mesh), 2 aluminum bench rammers, 2 molder's bellows, 2 square point molder's shovels (10" x 12"), 2 bulb sponges (8 oz.), 24" strike-off bar, two 5/8" tapered sprue cutters & 10 lb. box of parting dust & bags.

<b>531408</b>	MKB-2		<b>\$1,084.00</b>
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### Sand Muller

**Mini-Mite** Recondition molding sand in less than 3 minutes rather than using new sand. Easy-to-use unit will mull molding sand, including oil base and core mixture. A must when preparing sand, particularly oil base such as Petrobond™, for high-quality castings.

- Direct-connected gearhead motor for durability & safety

- Portable, lightweight cast aluminum construction

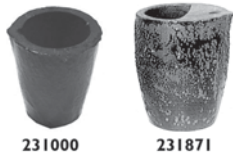
Unit size 20"L x 19"W x 29"H. Unit weight 100 lbs.

Capacity 25 lbs. Aerator speed. Gear reduction drive.

1/2 HP, 110V, 60 cycle 1 phase motor.

Stk.	Mfr.	Price
<b>794205</b>	M-2	<b>\$3,488.00</b>

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**Graphite Crucibles**  
**Bay State**

231000

231871

**Top Pour**

Stk.	Mfr.	Height	Bilge Dia.	Price
231000	1	3-5/8"	3-1/8"	\$53.10
231134	2	4-1/2"	3-11/16"	\$53.10
231268	3	5-3/8"	4-1/8"	\$53.10
231402	4	5-3/4"	4-9/16"	\$59.20
231536	6	6-1/2"	5-1/4"	\$81.60
231670	8	7-1/8"	5-7/8"	\$98.00
231804	10	8-1/16"	6-9/16"	\$124.00
231938	16	9-1/4"	7-1/2"	\$141.00
232072	20	10-5/16"	8-3/8"	\$160.00
232206	30	11-1/2"	9-5/16"	\$196.00

**Bottom Pour**

Stk.	Mfr.	Height	Bilge Dia.	Price
231871	10BP	8-1/16"	6-9/16"	\$166.00
232005	16BP	9-1/4"	7-1/2"	\$219.00

**Silicon Carbide Crucible Block**

**McEnglevan** 6" x 2" block for No. 10 and 16 crucibles.

Stk.	Mfr.	Price
531149	008241	\$90.90



531282



531278

**Crucible Tongs**  
**McEnglevan**

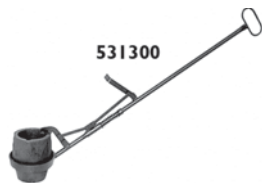
*Shown w/Crucible, sold separately.*

**Plain Locking latch bar.**

Stk.	Mfr.	Crucible Size	Price
531282	10P	10	\$270.00
531324	16P	16	\$293.00

**Bent Handle** Handle bent 90°, rings engage hoist.

Stk.	Mfr.	Crucible Size	Price
531278	10B	10	\$317.00
531320	16B	16	\$320.00
531345	20B	20	\$330.00
531370	30B	30	\$386.00



531300



531450

**Safety Crucible Shank Tongs**

**McEnglevan**

*Shown w/crucible, sold separately.*

Stk.	Mfr.	Item	Crucible Size	Price
531300	S10H	Hand Safety Shank	10	\$284.00
531340	S16H	Hand Safety Shank	16	\$312.00
531450	S116SE	Single-End Safety Shank	10 & 16	\$411.00
531465	S230SE	Single-End Safety Shank	20 & 30	\$424.00



531400

531401

**Molder's Sets**

**McEnglevan**

**5-Piece Set Includes** 1" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square & 3/8" x 14" lifter.

Stk.	Mfr.	Price
531400	M-5	\$159.00

**9-Piece Set Includes** 1-1/4" x 5" square trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 1-1/4" x 5" round point trowel, 1" heart & leaf, 1" taper & leaf, 3/8" x 14" lifter & 3-3/4" x 14" bench rammer.

Stk.	Mfr.	Price
531401	M-9	\$368.00

**Non-Silica Parting Powder**

**M.A. Bell**

Stk.	Mfr.	Size	Price
236000	EPP	5 lbs.	\$15.00

**Refractory Material**

**McEnglevan** A fine grained, chemically bonded, air setting trowel mix with outstanding hot strength. Has troweling consistency and blue color identification. Water can be added to produce any desired consistency. Used to patch and repair fire brick and furnace lining material. With water added for a thinner consistency, can be used to seal and coat furnace lining material for maximum heating efficiency.

Stk.	Mfr.	Size	Price
531148	008172	20 lbs.	\$95.80

**Petrobond Sand**

**Kroeger** For foundry purposes without the use of water. Mix consists of a mulled mixture of fine sand, Petrobond, oil and a small amount of catalyst. Produces a finish to your castings that far exceeds that produced when using Albany sand. Mixed with oil.

Stk.	Mfr.	Size	Price
794201	PBS50	50 lbs.	\$92.40

**Firebricks**

**Sioux City Brick**



**Firebricks** 2-1/2" x 4-1/2" x 9". 32/pkg.

Stk.	Mfr.	Price
209955	1812	\$248.00

**19" Bellows**

**Panacea** Chrome-tip 19" bellows for school molders. Made of hardwood boards and a combination of leather and vinyl with leather. Secured with tacks.



Stk.	Mfr.	Price
943204	15312	\$18.30



### Aluminum Flasks

**Kroeger** Heavy-duty flask consisting of 8 individual castings that are bolted together. Flask comes with a 2" upset that can be put on the cope or drag. 3" cope. 3" drag.

**Includes** aluminum bottom board.

Stk.	Mfr.	Size	Price
<b>794203</b>	FLSK8X8	8" x 8"	<b>\$152.00</b>
<b>794204</b>	FLSK8X12	12" x 12"	<b>\$190.00</b>

### Aluminum Ingots

**Kroeger** Aluminum Alloy 319 is favored for casting, welding, pressure tightness and moderate strength. Contains copper and silicon, polishes well, giving good silver appearance. Not seriously affected by impurities.

Stk.	Mfr.	Size	Price
<b>533000</b>	319-1LB	1 lb.	<b>\$6.00</b>
<b>533001</b>	319-50LB	50 lbs.	<b>\$250.00</b>



### Molder's Shovel

**Rigid** Solid shank tool. 14 ga. - 9-3/4" x 12" sq. point blade with 27" long D-handle. Lacquered ash handle, double riveted to blade socket.

Stk.	Mfr.	Price
<b>692630</b>	52315	<b>\$60.30</b>



### Ingot Molds

**McEnglevan** Metal molds used to form ingots from extra molten metal remaining in crucible or for pigging cleaned scrap and remelt metal into ingots for storage.

*Ingot dimensions are approximate since molds are tapered.*

Stk.	Mfr.	Ingot Size	Overall Size	Price
<b>531270</b>	6	6" x 3-1/2" x 1-1/2"	9" x 12"	<b>\$174.00</b>
<b>531310</b>	12	10-3/4" x 3-1/2" x 1-1/2"	11" x 14"	<b>\$219.00</b>



### Bench Rammer

**Wood Crafters** Hard maple.

Stk.	Mfr.	Size	Price
<b>475000</b>	6012	3-1/2" x 14"	<b>\$28.40</b>



### Portable Hand Lance Pyrometer

**McEnglevan** Model MT-400 uses an enclosed probe to sense the temperatures of a variety of nonferrous molten metals. The rugged temperature compensated meter movement is accurate within .05% of the meter scale. Dual Fahrenheit-Centigrade scale with a 0-2,350°F and a 0-1,300°C temperature range. Designed for quick, simple meter replacement, reducing downtime. 36" lance and 8" protected marshall tip.

Stk.	Mfr.	Price
<b>531490</b>	030864	<b>\$400.00</b>



### Digital Portable Hand Lance Pyrometer

**McEnglevan** Model MD-250 pyrometer is controlled by an on-off toggle switch on the instrument face and is powered by a single 9V battery. Meter displays temperature with 3/8" LED digits. Accurate within 0.5%. 0-2,350°F temperature range. Meter indicates when tip needs replacing.

36" lance and 12" protected marshall tip.

Stk.	Mfr.	Price
<b>531156</b>	030867	<b>\$497.00</b>



### Foundry Riddles

**Holland Mfg.** Heavy galvanized wire with HMC plastic rim. Built for everyday foundry use. Dia. is 18". No. 4 mesh (16 holes per sq. in.) and 8 mesh (64 holes per sq. in.).

Stk.	Mfr.	Item	Price
<b>833068</b>	RI18-4	4 Mesh	<b>\$68.00</b>
<b>833069</b>	RI18-8	8 Mesh	<b>\$68.00</b>



### Z-Flex Plus™ Treated Fiberglass High Heat Gloves

**Steiner** 35 oz. highly texturized silica yarn treated to withstand temperatures up to 2000°F. Moderate abrasion resistance with full 11 oz. wool insulated lining.

Stk.	Mfr.	Item	Size	Price
<b>885110</b>	07115	Reversible Mittens	14"L	<b>\$71.10</b>
<b>885109</b>	07114	Gloves	14"L	<b>\$85.70</b>



### Aramid/Fiberglass High Heat Gloves

**Steiner** 22 oz. Aramid (Kevlar) fibers and fiberglass blend to create gloves that withstand exposure up to 600°F. Full 11 oz. wool-insulated lining. Superior abrasion and cut resistance.

Stk.	Mfr.	Size	Price
<b>885115</b>	08314	14"L	<b>\$58.00</b>



### Welder's Tongs

#### Lansing Forge

#### Straight Lip

Stk.	Mfr.	Size	Price
<b>960273</b>	203-18	18"L	<b>\$103.00</b>
<b>960340</b>	203-24	24"L	<b>\$103.00</b>

#### Gad

Stk.	Mfr.	Size	Price
<b>960407</b>	204-24	24"L	<b>\$108.00</b>

#### Round Holding

Stk.	Mfr.	Size	Price
<b>960072</b>	202-20	3/8" x 20"L	<b>\$118.00</b>
<b>960139</b>	202-20	1/2" x 20"L	<b>\$118.00</b>
<b>960206</b>	202-22	3/4" x 22"L	<b>\$118.00</b>

#### Single Pickup

Stk.	Mfr.	Size	Price
<b>960005</b>	200	24"L	<b>\$108.00</b>

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## LAMP SUPPLIES



### Turn Knob Sockets

**Pass & Seymour** For 2-filament lamp with low, medium, high, off sequence. Brass-dipped aluminum. Large-head screws fasten easily.

#### 2-Circuit Socket (3-Way)

Stk.	Mfr.	Watts	Volts	Price
<b>376876</b>	7090PGCC10	250	250V	<b>\$4.89</b>

#### 1-Circuit Socket

Stk.	Mfr.	Watts	Volts	Price
<b>376870</b>	7070-PG	250	250V	<b>\$4.68</b>



### Push-through Knob Socket

**Pass & Seymour** Insulated stem is brass-dipped aluminum. Large-head screws make wire fastening easy.

Stk.	Mfr.	Watts	Volts	Price
<b>377008</b>	6098PGCC20	660	250V	<b>\$4.11</b>



### Pull Chain Socket

**Pass & Seymour** Set screw prevents rotation of socket. Caps threaded .125"-27 IPS Pendant caps accommodate .375" dia. cords. Made of brass-dipped aluminum.

Stk.	Mfr.	Watts	Volts	Price
<b>377100</b>	19980PGCC10	660	250V	<b>\$5.45</b>



### Adjustable Keyless Candelabra Socket

**Primex** Adjusts from 3" to 4-1/2"H. UL listed.

Stk.	Mfr.	Watts	Volts	Price
<b>681970</b>	1293	75	125V	<b>\$2.52</b>



### Make-A-Lamp Kit

**Primex** Kit has everything needed to build a lamp.

**Includes** 10" harp, 8' white cord, 3-way turn knob socket, 1" finial, 1-1/2" nipple, spacer, 2 washers & hardware.

Stk.	Mfr.	Price
<b>681981</b>	6331	<b>\$10.80</b>



### Harps

**Primex** Heavy-duty detachable harps, brass-plated and lacquered. 2-piece swivel top.

**Includes** saddle.

Stk.	Mfr.	Length	Price
<b>681950</b>	0063	8"	<b>\$2.24</b>
<b>681951</b>	0064	9"	<b>\$2.52</b>

## Running Thread

**Primex** 1/8 IPS all-thread. Steel. 3' length.

Stk.	Mfr.	Length	Price
<b>681960</b>	0074	3'L	<b>\$2.75</b>



### Lamp Finial

**Westinghouse** Brass knob with 1/4-27 thread.

Stk.	Mfr.	Length	Qty.	Price
<b>942635</b>	70131	1-1/4"	2	<b>\$3.88</b>



681935



681937

### Locknuts

**Primex** Tapped 1/8" IPS threads.

Stk.	Mfr.	Description	Qty.	Price
<b>681935</b>	0024	Hex Head Steel	50	<b>\$4.06</b>
<b>681937</b>	0026	3/4"D Knurled Brass	50	<b>\$18.90</b>

## Pipe Nipples

**Primex** Use for fitting sockets into lamp columns. 1/8" IPS all-thread x 3/4".

Stk.	Mfr.	Description	Qty.	Price
<b>681945</b>	0032	Zinc-Plated Steel	50	<b>\$4.20</b>

## EXTENSION CORDS & OUTLET STRIPS



### 6-Outlet Surge Protector

**Woods** 750 joule rating. 6 outlets with sliding safety covers and surge protection indicator. EMI/RFI noise filtration. UL listed.

Stk.	Mfr.	Price
<b>983146</b>	041152	<b>\$11.90</b>



### 6-Outlet 4' Cord Surge Protector

**Woods** 6 outlets with 1,000 joule surge protection. Surge protection and ground indicators.

Features right-angle plug, sliding safety covers and EMI/RFI noise filtration. Lighted on/off switch with 15A circuit. UL listed.

Stk.	Mfr.	Price
<b>983145</b>	041453	<b>\$14.80</b>



### 6-Outlet 3' Cord Metal Surge Protector

**Woods** 2 transformer outlets and 4 standard outlets with 750 joule surge protection.

Durable metal construction, lighted reset on/off power and 15A circuit breaker. Sliding safety covers and EMI/RFI noise filtration. UL listed.

Stk.	Mfr.	Price
<b>983144</b>	041552	<b>\$21.70</b>



**Multi-Outlet Cord Reel**

**Alert** Convenient storage for 25' of 125V 16/3 cord. Features four 15 amp grounded outlets (NEMA 5-15R), built-in resettable circuit breaker and carrying handle.

Stk.	Mfr.	Length	Price
<b>943332</b>	6000-25G	25'	<b>\$33.60</b>



**Light Duty Retractable Cord Reel w/3-Outlets**

**Reelcraft** Compact design for light applications. Features powder coated steel housing, adjustable cable stop and a circuit breaker reset. 30' 16/3 SJTW cord with 3 outlets rated at 10A/125V.

**Includes** mounting hardware (for ceiling or wall).

Stk.	Mfr.	Length	Price
<b>688408</b>	LD2030-163-9	30'	<b>\$89.00</b>



**Retractable Metal Cord Reel w/3-Outlets**

**Coleman Cable** 30' safety striped 16/3 ga. grounded cord with 3 outlets. Heavy-duty diamond plate metal casing, built-in circuit breaker with lighted outlet. CETL listed.

**Includes** mounting hardware (for ceiling or wall).

Stk.	Mfr.	Length	Price
<b>983147</b>	E215	30'	<b>\$61.20</b>



**Retractable Cord Reel**

**Craftsman** Heavy duty extension cord pulls out to desired length and locks. 3 grounded outlets, stamped metal reel with scratch-resistant epoxy finish. 16/3 rated at 10A max. and 1,625W.

**Includes** mounting hardware.

Stk.	Mfr.	Length	Price
<b>305815</b>	83928	30'	<b>\$64.50</b>



**Retractable Cord Reel w/Worklight**

**Coleman Cable** Handheld worklight with 25' retractable extension cord and heavy-duty diamond plate metal reel. 10A grounded outlet and 14/4 ga. high visibility safety stripe orange cord. Metal bulb guard. 100W maximum rated bulb (not included). UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	Price
<b>983148</b>	E251	25'	14/4	<b>\$73.60</b>



**Retractable Worklight w/Outlet**

**Craftsman** Reel with steel enclosure for retracting the 30', 16 ga. 3-wire extension cord. Worklight accepts up to a 100W bulb (not included). Convenient outlet, on/off switch and magnetic mounting clip. 10A circuit breaker built into plug prevents overload. UL Listed.

Stk.	Mfr.	Length	Price
<b>305797</b>	73943	30'	<b>\$67.30</b>



**Orange Outdoor Round Vinyl Extension Cords**

**Woods** Extension cords with copper conductors, solid molded plugs for longer life, 2 layers of insulation, 1 around each conductor and a second outer

jacket which won't mark floors or walls. Resists deterioration from moisture and abrasion. UL listed, meets OSHA specifications.

**Single End**

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983102</b>	0267	25'	16/3	13A	<b>\$14.20</b>
<b>983103</b>	0268	50'	16/3	13A	<b>\$23.60</b>
<b>983108</b>	0625	25'	14/3	15A	<b>\$21.30</b>
<b>983109</b>	0626	50'	14/3	15A	<b>\$37.20</b>
<b>983106</b>	0528	25'	12/3	15A	<b>\$34.80</b>
<b>983107</b>	0529	50'	12/3	15A	<b>\$52.90</b>

**3-Way Power Block**

<b>983230</b>	0819	50'	12/3	15A	<b>\$64.90</b>
<b>983117</b>	0825	25'	14/3	15A	<b>\$34.20</b>
<b>983118</b>	0826	50'	14/3	15A	<b>\$51.10</b>
<b>983119</b>	0827	100'	14/3	13A	<b>\$90.60</b>



**Blue Outdoor Low Temp Extension Cords**

**Coleman Cable** High-visibility, blue SJTW extension cords are super flexible for cold temperature.

Vinyl cords feature reinforced blades, power indicator light in female receptacle, plus clear PVC plug and connector. UL listed for use to -45°.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983138</b>	02467	25'	14/3	15A	<b>\$28.70</b>
<b>983139</b>	02468	50'	14/3	15A	<b>\$48.30</b>
<b>983140</b>	02469	100'	14/3	13A	<b>\$91.90</b>
<b>983141</b>	02568	50'	12/3	13A	<b>\$76.80</b>
<b>983142</b>	02569	100'	12/3	13A	<b>\$146.00</b>



**Blue Outdoor Tri-Source 3-Way Power Block**

**Coleman Cable** Rugged, bright blue vinyl cord stays flexible outdoors to -45°F. Reinforced blades prevent bending and breaking. Heavy-duty

strain relief protection extends cord life. Female end has power indicator light. Meets OSHA and UL specifications.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983136</b>	04168	50'	12/3	15A	<b>\$92.40</b>



**Yellow Indoor Utility Extension Cords**

**Woods** Flat vinyl utility cords designed for general purpose indoor use. Solid molded plugs with copper conductors. Made with a single layer of vinyl insulation that won't mark walls or floors. Resists deterioration from moisture and abrasion.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983120</b>	0834	25'	14/3	15A	<b>\$26.40</b>
<b>983121</b>	0835	50'	14/3	15A	<b>\$48.70</b>



**Yellow Jacket® Extension Cord w/Ground Fault Circuit Interrupter**

**Woods** GFCI cord has lighted 3-outlet power block with right angle male plug. Provides maximum safety. Manual test-reset buttons. PowerLite™ plug glows when the cord has power. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983155</b>	2814	2'	12/3	15A	<b>\$64.20</b>



### Yellow Jacket® Multi Outlet Lighted Power Cord

**Woods** Yellow Jacket compound is more flexible and abrasion resistant at any temperature than standard vinyl compounds. Lighted 3-outlet (spaced every 3') 25' power cord. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983157</b>	2830	25'	12/3	15A	<b>\$66.70</b>



### Woods Yellow™ Jacket 3-Outlet Lighted Power Cord

**Woods** Extra heavy duty 600V insulated wire. Lighted 3-outlet power block features high-gloss, super-flexible wire in a tough molded unit that withstands heat, cold and rough use. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>983158</b>	2882	2'	12/3	15A	<b>\$15.60</b>



### Hi-Vis/Low Temp Extension Cord

**Coleman Cable** Single-end cord w/power indicator light. High-visibility bright blue cord. Provides super-flexibility at temperatures down to -45°F. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	Price
<b>983149</b>	02367	25'	16/3	<b>\$16.80</b>



### Brown Indoor Heavy-duty Polarized Extension Cord

**Eagle** Extension cord is vinyl with cube tap. UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>943027</b>	09405	20'	16/2	13A	<b>\$6.68</b>



### Tool Replacement Cord

**Coleman Cable** UL listed.

Stk.	Mfr.	Length	Gauge/Conductor	125V Rating	Price
<b>942739</b>	09706	6'	16/3	13A	<b>\$5.97</b>



### Cord Wrap

**Bayco** Stores extension cords, work lights, coaxial cable, TV antenna wire, speaker wire, rope, holiday lights and more. Heavy-duty impact resistant plastic. Holds up to 150' 16 ga., 3-wire extension cord. Orange.

Stk.	Mfr.	Price
<b>942827</b>	K-150	<b>\$2.95</b>

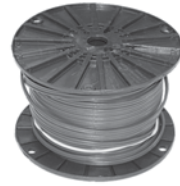


### Cable Wraptor™

**Gardner Bender** Wrap and hang cords, cables, work-lights, chains, hoses and more. Features easy-carry T-handle, large-grip teeth, quick-release trigger, stainless steel hinge, cable tie looping hole and large hang hole. Red and black.

Stk.	Mfr.	Price
<b>416580</b>	CW-T2RR25	<b>\$3.14</b>

## CABLE & WIRE



### Parallel Lamp Cords

**Coleman Cable** Use for lamps and any project drawing normal current. 11 x .20 O.D.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>983128</b>	60000-66-07	18	Brown	250'	<b>\$90.40</b>
<b>983129</b>	60000-66-01	18	White	250'	<b>\$90.40</b>
<b>983130</b>	60000-66-08	18	Black	250'	<b>\$90.40</b>
<b>983133</b>	60000-66-18	18	Clear	250'	<b>\$90.40</b>



### Speaker Wire

**Audiovox** Spooled wire.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>942939</b>	AH100R	24	Clear	100'	<b>\$6.78</b>
<b>943205</b>	AH1850R	18/2	Polarized	50'	<b>\$9.09</b>



### Heavy-duty Wire Cords

**Coleman Cable** Flexible, tough-jacketed cord withstands -50°C to 105°C temperatures. Seoprene offers excellent abrasion, ozone, sunlight, chemical and oil resistance, water and mold resistant, nonwicking lightweight polypropylene fillers. Water resistant with high dielectric insulation. Special uses requiring flexibility and mechanical toughness, high environmental resistance and flame retardant. Push-button remote controls. Motor control, stage equipment and lighting. Industrial control and robotic systems. Outdoor appliances. Water submersion approved.

Stk.	Mfr.	Length	Gauge/Conductor	Price
<b>958270</b>	23325-04-08	250'	18/3	<b>\$183.00</b>
<b>958203</b>	23326-04-08	250'	16/3	<b>\$194.00</b>



### Hook-Up Wire Spools

**Elenco** Insulation rated to 300V.

**Solid** For general wiring that is not subject to repeated flexing & for solderless breadboards. Maximum recommended current 7A.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>390275</b>	884410	22	Black	25'	<b>\$3.60</b>
<b>390276</b>	884420	22	Red	25'	<b>\$3.60</b>
<b>390277</b>	884440	22	Yellow	25'	<b>\$3.60</b>
<b>390278</b>	884450	22	Green	25'	<b>\$3.60</b>
<b>390279</b>	884490	22	White	25'	<b>\$3.60</b>

**Stranded** For general wiring that may be subject to repeated vibration or flexing. Maximum recommended current 3.5A.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>390280</b>	885210	24	Black	25'	<b>\$3.36</b>
<b>390281</b>	885220	24	Red	25'	<b>\$3.36</b>
<b>390282</b>	885240	24	Yellow	25'	<b>\$3.36</b>
<b>390283</b>	885250	24	Green	25'	<b>\$3.36</b>
<b>390284</b>	885290	24	White	25'	<b>\$3.36</b>





**Magnet Wire**

**Kelvin** Copper enamel wire. 1 lb.

Stk.	Mfr.	Gauge	Length	Price
<b>492164</b>	330128	22	514'	<b>\$25.30</b>



**Primary Wire**

**Coleman Cable** General purpose wiring for automobiles, boats, trucks, buses, tractors, trailers and other motor-driven equipment.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>983160</b>	16-100-11	16	Black	100'	<b>\$22.00</b>
<b>983161</b>	18-100-11	18	Black	100'	<b>\$15.90</b>



**Wire Spool Racks**

**Durham** Prime cold-rolled steel rack with rust and acid-resistant gray baked enamel finish. Polished steel 5/8" dia. rod(s). Keyhole slots for wall mounting.

**Rack shown w/wire, sold separately.**

**1 Rod** Includes handle for easy transport.

Stk.	Mfr.	Overall Size	Price
<b>345018</b>	383-95	26-1/8"W x 5-7/8"D x 14"H	<b>\$84.70</b>

**2 Rods**

Stk.	Mfr.	Overall Size	Price
<b>345019</b>	384-95	26-1/8"W x 5-7/8"D x 21-1/2"H	<b>\$90.60</b>

**4 Rods** Holds up to 10" dia. spools

Stk.	Mfr.	Overall Size	Price
<b>345013</b>	368-95	26-1/8"W x 5-7/8"D x 36-1/2"H	<b>\$99.90</b>

**Alligator Clips**



**Gardner Bender** Plated steel clips with spring loaded jaws. Wire leads may be soldered, crimped or wound around screw post. 5 amp rating. 2"L.

Stk.	Mfr.	Type	Qty.	Price
<b>416570</b>	14-076	Non-insulated	4	<b>\$2.49</b>
<b>416571</b>	14-077	Insulated	2	<b>\$1.95</b>

**Romex Cable**

**Southwire** Nonmetallic sheathed cable with copper ground.

Stk.	Mfr.	Type	Size	Price
<b>958000</b>	12-2	12/2	250'	<b>\$132.00</b>
<b>958001</b>	12-3	12/3	250'	<b>\$217.00</b>
<b>958064</b>	14-2	14/2	250'	<b>\$85.60</b>
<b>958135</b>	14-3	14/3	250'	<b>\$140.00</b>

**Romex Metal Cable Staples**



**Gardner Bender** For 2-conductor nonmetallic wire.

Stk.	Mfr.	Size	Qty.	Price
<b>942822</b>	MS-150	1/2" x 1"	100	<b>\$2.92</b>
<b>942824</b>	MS-175	9/16" x 1-1/4"	100	<b>\$3.14</b>

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**Insulated Staples**

**Gardner Bender** Connect low-volt electrical wire to wood surfaces with 1/8" fiber insulated steel staples.

Stk.	Mfr.	Size	Qty.	Price
<b>942911</b>	MSB-1540	1/8"	40	<b>\$1.69</b>



**Wire Nuts**

**Gardner Bender** For copper wire only. Nuts are polypropylene, square spring.

Stk.	Mfr.	Size	Gauge	Qty.	Price
<b>943030</b>	10-003	Small (orange)	22-14	100	<b>\$7.42</b>
<b>943031</b>	10-004	Medium (yellow)	18-12	100	<b>\$9.38</b>
<b>943032</b>	10-006	Large (red)	18-10	100	<b>\$12.00</b>



**Electrician's Plastic Tape**

**Gardner Bender** Top grade flame retardant 7 mil. electrical tape. Resistant to cold weather, abrasion, moisture, alkalis and acids.

Stk.	Mfr.	Width	Length	Price
<b>590380</b>	GTP-607	3/4"	60'	<b>\$1.43</b>



**Vinyl Electrical Tape**

**Gardner Bender** Assorted 7 mil. vinyl tape for marking wires and circuits. 5 pack includes red, orange, blue, green and white.

Stk.	Mfr.	Width	Length	Price
<b>942937</b>	GTPC-550	1/2"	20'	<b>\$3.53</b>



**Liquid Electrical Tape**

**Gardner Bender** Liquid coating for insulating and protecting electrical splices and connections. Waterproof tape won't unravel or deteriorate. For indoor/outdoor use. Brush-on applicator.

Stk.	Mfr.	Size	Color	Price
<b>416650</b>	LTB-400	4 oz. bottle	Black	<b>\$10.20</b>
<b>416651</b>	LTR-400	4 oz. bottle	Red	<b>\$10.20</b>



**Friction Tape**

**Gardner Bender** Black friction tape with matted finish provides gripping surface. Use for electrical splices, wrapping grips and other uses.

Stk.	Mfr.	Width	Length	Price
<b>416611</b>	GTF-600	3/4"	60'	<b>\$4.86</b>



**Flat Steel Fish Tapes**

**Klein** Fish Tape in an easy-to-use winder reel keeps flat spring-steel tape in its place and under control. Easy grip design lets you turn reel in either direction for 1-hand feed or take up while other hand directs tape or brings it back in tight. Lightweight, shatter-proof with 4 view ports to let you gauge amount of tape remaining.

Stk.	Mfr.	Size	Price
<b>945318</b>	50206	50' x 1/8" x .060"	<b>\$49.70</b>
<b>945320</b>	50211	100' x 1/8" x .045"	<b>\$75.00</b>



**Streamline Steel Fish Tape**

**Gardner Bender** Tape winds directly into housing. Shatter-proof, stands up to abuse. 4 viewing ports show tape remaining. Easy disassembly for fast replacement of tape.

Stk.	Mfr.	Size	Price
416717	FTS-50B	50' x 1/8" x .045"	\$40.50



**Insulated Solderless Terminal Kits  
Gardner Bender**

**80-Piece** Large selection of popular reusable terminals and connectors. 22-10 AWG. **Includes** WireGard™ connectors, female disconnects, ring & spade terminals, butt & tap splices, plus case.

Stk.	Mfr.	Price
416829	TK-100	\$13.60

**100-Piece** Fifteen insulated terminal styles and a multi-use stripper/crimper contained in a convenient reclosable case.

416800	GK-15N	\$16.00
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**175-Piece** Large selection of reusable terminals and connectors for general use. **Includes** stud ring & spade terminals, butt terminals, male & female disconnects.

416830	TK-175	\$26.20
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**Heat Shrink Tubing**

**Gardner Bender** Insulate and seal electrical splices with this moisture and chemical resistant tubing. Use above or below ground. 6"L.

**Includes** four 1/8", two 3/16" & two 1/4".

Stk.	Mfr.	Price
942900	HST-AST	\$2.55



**Nylon Cable Ties**

**Gardner Bender** Self-locking nylon ties for bundling wire, cables, harnesses and more.

**White**

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
942906	46-308	8"	75 lbs.	2"	100	\$4.05
942910	46-308MN	8"	75 lbs.	2"	1,000	\$46.00

**Black UV resistant.**

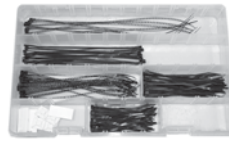
942908	46-310UVB	11"	75 lbs.	3"	100	\$14.80
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**8" Nylon Cable Ties**

**Gardner Bender** Double lock cable ties of 100% nylon 6/6 material. Locking teeth on both sides of the tie and at the head ensuring a strong connection. Assorted fluorescent.

Stk.	Mfr.	Length	Tensile Strength	Bundle Dia.	Qty.	Price
416575	46-308FST	8"	75 lbs.	2"	100	\$6.63



**Cable Tie Assortment**

**Fastener Barn**

**Includes** 135 cable ties (4"L - 11"L, 18 lbs. - 50 lbs. tensile strength), 10 adhesive mounts 3/4" x 3/4" & 10 screw mounts 3/4" x 1/2", plus plastic case w/informational top.

Stk.	Mfr.	Qty.	Price
485509	CT99	155	\$42.30



**Cable Tie Tensioning Tool**

**Gardner Bender** Tightens & cuts cable ties w/a quick twist. For ties up to 75 lb. tensile strength.

Stk.	Mfr.	Price
416716	CTT-45	\$11.70



**Velcro  
Velcro**

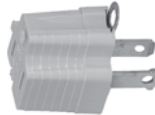
Great for indoor and outdoor projects requiring a superior-strength or waterproof fastener. Black industrial-strength strips for strong closures. **Includes** pkg. w/built-in dispenser.

Stk.	Mfr.	Size	Qty.	Price
942810	90199	2"W x 4"L	2 strips	\$3.70
942812	90197	2"W x 15'L	1 roll	\$35.20

General purpose black press-on fasteners are great for smooth surfaces such as painted wallboard, glass, metal and most plastics.

Stk.	Mfr.	Size	Qty.	Price
942825	90072	7/8"W x 7/8"L	12 squares	\$2.99

**PLUGS, RECEPTACLES & SWITCHES**



**Plug Adapter**

**Pass & Seymour** Grounding adapter converts outlet to 3-wire grounding outlet. Adapter has a rigid grounding lug.

Stk.	Mfr.	Price
376072	210-G	\$0.76



**Specification Grade Rubber Connector**

**Pass & Seymour** Three-wire grounding type has cord clamp. Adapts to .25" to .60" dia. cord. UL listed.

Stk.	Mfr.	Price
375804	114GMCCCC16	\$7.98



**Dead Front Cap Male Plug w/Ground**

**Pass & Seymour** Heavy-duty 2 pole, 3 wire plug with chemical resistant rubber construction. Black. 15 amps @ 125V. NEMA 5-15P.

Stk.	Mfr.	Color	Price
377570	111GMCCCC10	Black	\$4.14

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### Flat Handle Straight Blade Plugs

**Pass & Seymour** Thermoplastic flat nonpolarized 2-pole, 2-wire plug. 15 amps @ 125V. NEMA 1-15P.

Stk.	Mfr.	Color	Price
<b>377590</b>	48643BPCC10	Brown	<b>\$2.72</b>
<b>377593</b>	48643WBPCC10	White	<b>\$2.72</b>



### Straight Blade Plugs

**Pass & Seymour** Easy-to-install nonpolarized plug with finger-grip grooves. Insulation piercing terminals eliminate the need for tools. For cord size 18-2 SPT I. 10 amps @ 125V.

Stk.	Mfr.	Color	Price
<b>377648</b>	2601BPCC10	Brown	<b>\$1.82</b>
<b>377649</b>	2601WBPCC10	White	<b>\$1.82</b>



### Toggle Switches

**Gardner Bender** On/off single-throw switch for household appliances and power tools. Screw terminals.

10 amps @ 277 VAC. 20 amps @ 125 VAC. 1-1/2 HP, 125-250 VAC.

Stk.	Mfr.	Item	Price
<b>416730</b>	GSW-10	Single-pole	<b>\$6.01</b>
<b>416731</b>	GSW-14	Double-pole	<b>\$6.86</b>



### General-duty Quiet Switches

**Pass & Seymour** High-impact resistant Thermoplastic toggle and frame. Tri-drive ground, terminal and mounting screws.

- Easy-access green hex head ground screw
  - Extra long strap
  - Side wire #12 & #14 AWG
  - Speed wire #14 AWG
  - Release slots provided
  - Smooth, quiet toggle action
  - UL & CSA listed
- 15 amps @ 120V. Size 1.25"W x 4.195"H x 1.090"D.

#### Single-pole

Stk.	Mfr.	Color	Price
<b>377530</b>	660GUCC18	Brown	<b>\$1.35</b>
<b>377532</b>	660IGU	Ivory	<b>\$1.35</b>

#### 3-way

Stk.	Mfr.	Color	Price
<b>377540</b>	663-GTU	Brown	<b>\$3.06</b>
<b>377542</b>	663-IGTU	Ivory	<b>\$3.06</b>

#### 4-way

Stk.	Mfr.	Color	Price
<b>377575</b>	664GCC	Brown	<b>\$15.00</b>
<b>377576</b>	664IGCC	Ivory	<b>\$15.00</b>



### Duplex Straight Blade Receptacles

**Pass & Seymour** Two-pole, 3-wire grounding receptacles constructed of high-impact resistant thermoplastic.

- Speed wire accepts #14 solid only
  - UL listed
  - Quick loop wire looping aid
  - Long-term blade retention
  - Combination head screws
- Side-access speed wire release
- 15 amps @ 125VAC. NEMA WD-1. 5-15R. Standard-grade general-duty receptacle, 2P3W grounding.

Stk.	Mfr.	Color	Price
<b>375864</b>	3232-TU	Brown	<b>\$1.07</b>
<b>375866</b>	3232-ITU	Ivory	<b>\$0.99</b>



### Dimmer Switch

**Lutron** Push on/off rotary dimmer has full range dimming and 600W, 120V, single pole capacity. UL listed.

**Includes** white & ivory knobs.

**Shown w/wall switch plate, sold separately.**

Stk.	Mfr.	Price
<b>942927</b>	D-600PH-DK	<b>\$9.22</b>



**377641**



**377647**

### Duplex & Switch Plates

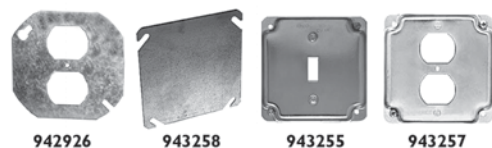
**Pass & Seymour** Nonflammable. Individually wrapped with screws.

#### Duplex

Stk.	Mfr.	Color	Price
<b>377640</b>	TP8CC25	Brown	<b>\$0.62</b>
<b>377641</b>	SP8IUCC100	Ivory	<b>\$0.56</b>

#### Switch

Stk.	Mfr.	Color	Price
<b>377646</b>	SPIU	Brown	<b>\$0.54</b>
<b>377647</b>	SPIIUCC100	Ivory	<b>\$0.54</b>



### Receptacle Covers

**Raco** Steel covers. UL listed.

Stk.	Mfr.	Description	Size	Price
<b>942926</b>	731	Receptacle Octagon	4"	<b>\$2.50</b>
<b>943258</b>	8752	Receptacle Sq. Flat	4"	<b>\$1.19</b>

1/2" exposed rise cover (w/flat corner) for surface mount applications.

Stk.	Mfr.	Description	Size	Price
<b>943255</b>	800C	Switch Sq. Raised	4"	<b>\$2.85</b>
<b>943257</b>	902C	Receptacle Sq. Raised	4"	<b>\$2.40</b>

## CAN'T FIND IT?

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942925 942923 943259 943260

### Electrical Boxes

**Raco** Steel, deep-bracket switch box with 1/2" knockouts. UL listed.

Stk.	Mfr.	Description	Size	Knockouts	Price
942925	8504	Switch (gangable)	3" x 2-1/2"	6	\$3.83
942923	8193	Receptacle Square	4" x 1-1/2"	15	\$4.90
943259	153	Receptacle Octagon	4" x 1-1/2"	7	\$5.40
943260	8125	Receptacle SQ./Flat	4" x 1-1/2"	9	\$2.08

943259|With MCIBX cable clamps for MCI/Armored Cable/MCI-A Flex Cable wiring.  
943260|For conduit wiring.

### Electrician's Screw Assortment Kit



**Gardner Bender** Commonly used electrical machine screws. Slotted round-head screws for switches, receptacles & outlet applications. Zinc-plated steel.

**Includes** 8-32 round head screws 1/2", 3/4", 1", 1-1/4", 1-1/2" & 2".

Stk.	Mfr.	Qty./Pkg.	Price
416826	SK-832T	120	\$8.26

## TOOLS

### Electrician's Tool Set



**Klein** The tools needed to teach the skills of the trade.

**Includes** side-cutting pliers, diagonal-cutting pliers, long-nose pliers, pump pliers, adjustable wrench, 2 keystone-tip screwdrivers, 2 cabinet-tip screwdrivers, wire-bending screwdriver, square-recess tip screwdriver, Rapi-Driv® screwdriver, conduit-fitting & reaming screwdriver,

7 nutdrivers, power-return rule, torpedo level, crimper/cutting tool, wire stripper/cutter, utility knife, protective eyewear, canvas zipper bag & 16" canvas tool bag.

Stk.	Mfr.	Item	Price
945550	80028	28-Piece Set	\$396.00

### 14-Piece Electrician's Tool Set



**Klein** A great assortment of tools for the electrician.

**Includes** high-leverage side-cutting pliers, 8" heavy-duty long-nose side-cutting pliers, 8" high-leverage diagonal-cutting pliers, 10" pump pliers w/1-3/4" jaw capacity, 3" #1 Phillips cushion-grip screwdriver, 4" wire bending #2 Phillips cushion-grip screwdriver, 4" x 1/4" &

6" x 1/4" cabinet-tip cushion-grip screwdrivers, 3/16" Rapi-Driv® cabinet-tip cushion-grip screwdriver, 25' tape measure, wire stripper/cutter for 10-18 AWG solid wire, 8-pocket leather tool pouch & adjustable web belt.

Stk.	Mfr.	Price
945545	80014	\$238.00

We're experts when it comes to setting up your classroom, shop & lab.  
Call us at 800-831-5904.



### 18-piece Journeyman Tool Set

**Klein** Comfortable and durable tools for the professional.

**Includes** side-cutting pliers, diagonal-cutting pliers, long-nose pliers, pump pliers, adjustable wrench, Phillips screwdriver, wire-bending screwdriver, 2 cabinet-tip screwdrivers, Rapi-Driv® screwdriver, square-recess screwdriver, 2 nut drivers, power-return rule, Klein-Kurve®

wire stripper/cutter, safety glasses, powerline work belt & 10-pocket tool pouch.

Stk.	Mfr.	Price
945560	80118	\$330.00

### Nut Drivers



**Great Neck** High-quality transparent handle with black fluting. Hollow, chrome-plated shaft. Heat-treated hardened steel.

Stk.	Mfr.	Size	Color	Price
281192	ND3C	3/16"	Black	\$5.18
281193	ND5C	1/4"	Red	\$5.41
281194	ND7C	5/16"	Amber	\$5.64
281195	ND8C	11/32"	Green	\$5.64
281196	ND9C	3/8"	Blue	\$5.64
281197	ND10C	7/16"	Brown	\$6.21
281198	ND11C	1/2"	Red	\$6.44

**7-Piece Standard Includes** 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2".

281191	ND72			\$17.30
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**7-Piece Metric Includes** 6, 7, 8, 9, 10, 11 & 12mm.

281189	ND71			\$17.30
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### Hollow Shaft Nut Driver Sets

**CHAN NEL LOCK** High-torque, 3-sided Code

Blue® grips. Go-thru steel blade is attached to the steel cap on the back of handle.

**7-Piece Standard Includes** 11/32", 1/2", 1/4", 3/16", 3/8", 5/16" & 7/16".

Stk.	Mfr.	Price
301360	ND-7CB	\$54.90

**7-Piece Metric Includes** 5, 6, 7, 8, 9, 10, 11 mm.

301361	MD-7CB	\$54.90
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### Color-coded Nut Driver Sets Xcelite

**7-Piece Solid Shaft Includes** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8" & case.

Stk.	Mfr.	Price
310758	127TB	\$63.80

**7-Piece Hollow Shaft Includes** 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" & case.

310768	147TB	\$82.00
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**10-Piece Hollow Shaft Includes** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" & case.

308811	HS618	\$123.00
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**Conduit-Fitting & Reaming Screwdriver**

**Klein** Rugged hooded-blade design keeps tip from slipping out of screws, especially when tightening hard-to-reach conduit fittings. Reams and smooths 1/2" (13mm), 3/4" (19mm) and 1" (25mm) thin-wall conduit ends to protect wire and permit correct installation of fittings. Reams the inside and outside of the conduit at the same time. Longer cushion-grip handle provides comfort and greater torque. 1/16" hex socket set screw secures replaceable reaming blade.

Stk.	Mfr.	Shank Tip	Shank	Overall Length	Price
<b>945580</b>	85191	3/8"WV	2-1/2"L	7-1/2"	<b>\$40.40</b>



**Conduit Benders**

**Ridgid** High-strength cast iron with smooth side walls grip conduit snugly to minimize distortion. Bending grooves conform to standard code radii. Marks indicate 30°, 45°, 60° and 90° bends. Handle not included.

Bends 1" thin-wall & 3/4" heavy-wall conduit to 6-1/2" inside radius.

Stk.	Mfr.	Price
<b>692724</b>	35225	<b>\$124.00</b>

Bends 1/2" thin-wall conduit to 4" inside radius.

Stk.	Mfr.	Price
<b>692720</b>	35215	<b>\$50.90</b>

Bends 3/4" thin-wall & 1/2" heavy-wall conduit to 5" inside radius.

Stk.	Mfr.	Price
<b>692722</b>	35220	<b>\$80.70</b>



**Multi-purpose Wiring Tool**

**CHAN NEL LOCK** Strips wire with no damage to conductor. Scissor-type blades are precision ground and heat-treated to hold their edge.

Cuts machine bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32 & 10-24 without damaging threads. Crimps both insulated and non-insulated wire. Channellock Blue® comfort grips. USA made.

Strips AWG wire sizes: 10, 12, 14, 16, 18, 20 & 22.

Stk.	Mfr.	Length	Price
<b>301522</b>	908	8-1/4"	<b>\$22.70</b>



**Crimping Tool**

**CHAN NEL LOCK** Precision-forged high grade carbon tool steel. Designed for crimping of both insulated and non-insulated solderless connections and terminals on 10 to 22 AWG wire. Crimping nest is specially hardened. Cutters in nose are honed and hardened to hold clean-cutting edge over many cuts. Slim nose permits crimping in small spaces. Channellock Blue® comfort grips. USA made.

Crimps AWG wire sizes: 10 to 22 (4.0 to .34mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>301523</b>	909	9-3/4"	<b>\$28.00</b>



**Crimping Pliers**

**Gardner Bender** Crimp insulated or non-insulated terminals on 10 to 22 AWG wire. Cuts copper and aluminum wire. Tapered nose. Comfort grips.

Crimps AWG wire: 10 to 22.

Stk.	Mfr.	Length	Price
<b>416719</b>	GS-388	8"	<b>\$11.50</b>



**Electrician's Tool**

**Craftsman** Long, curved cutter requires less force than other tools. 5 bolt cutting stations.

Strips & crimps AWG wire: 10-20.

Stk.	Mfr.	Price
<b>305810</b>	82563	<b>\$23.40</b>



**Dual Purpose Wire Stripper/Cutter**

**CHAN NEL LOCK** Cuts copper wire only. Precision-ground, heat treated scissor-type blades hold their edge. Lean nose pulls and loops wire ends. Precision wire stripping holes. AWG and mm wire gauge sizes are painted and embossed. Blue comfort grips. USA made.

Strips AWG wire: 10, 12, 14, 16, 18, 20 (.80, 1.0, 1.3, 1.6, 2.0, 2.6mm).

Stk.	Mfr.	Length	Price
<b>301560</b>	958	6"	<b>\$16.00</b>



**Locking Wire Stripper**

**Gardner Bender** Strips solid or stranded wire. Precision stripping stations with laser-etched markings. Comfort high-leverage locking handles and power spring return reduce hand fatigue. Looping hole forms wire to fit on screw terminal.

Strips AWG wire: 10-20.

Stk.	Mfr.	Length	Price
<b>416728</b>	GS-360	6"	<b>\$13.40</b>



**Adjustable Wire Stripper Cutter**

**Klein** Lightweight, compact tool with convenient hole for looping or bending wire. Adjustable slide stop with set screw for repeat stripping work. Black-oxide finish with yellow plastic grips.

Strips AWG solid & stranded wire: 12-26 (2.5 to 0.14mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945117</b>	1004	5"	<b>\$11.70</b>



**Multi-Tool Stripper/Crimper/Cutter**

**Irwin** Induction hardened cutting stay-sharp edge. Pliers-style nose allows pulling and looping in wire. Cuts bolts to size and leaves perfect lead thread. Crimps insulated, non-insulated terminals. ProTouch™ comfort grips reduce fatigue.

Strips/cuts AWG wire: 10-22.

Meets or exceeds ANSI standards.

Stk.	Mfr.	Length	Price
<b>619484</b>	2078309	8-1/2"	<b>\$13.50</b>



**Multi-Tool Stripper/Cutter/Crimper**

**Gardner Bender** Pliers nose for pulling and looping wire. Curved cutting blade. Comfort high-leverage handles. Crimps insulated and non-insulated terminals and coaxial F connectors. Precision-ground stripping stations prevent nicking conductor. Cuts, rethreads bolt sizes 4-40, 5-40, 6-32, 8-32, 10-24 and 10-32.

Strips/cuts AWG wire: 10-22.

Stk.	Mfr.	Length	Price
<b>416729</b>	GS-370	8-1/2"	<b>\$16.30</b>



**Multi-purpose Electrician's Tool**

**Klein** Two wire cutters - 1 at tip, the other near the stripping holes double the use of this tool. It features left- and right-hand wire-looping holes near the tip, full-sized plastic-covered handles for comfort, easy-read markings and color-coded crimping dies for easy identification. Pivot nut adjusts tension. Crimps insulated & non-insulated terminals (including 7-8 mm ignition terminals), lugs and splices. Cuts wire & bolts size 6-32, 8-32, 10-32, 10-24, 4-40.

Strips AWG solid wire: 8-22 (6.0 to .34mm<sup>2</sup>) & AWG stranded wire: 10-26 (4.0 to .14mm<sup>2</sup>).

Grips do not protect against electric shock.

Stk.	Mfr.	Length	Price
<b>945115</b>	1001	8-1/2"	<b>\$31.90</b>



**Klein-Kurve® Dual NM Cable Stripper Cutter**

**Klein** 12/2 and 14/2 stripping slots quickly remove outer jacket of Type NM-B non-metallic-sheathed cable. Clearly shears 6-32 and 8-32 screws. Strips, cuts and loops 12 and 14 AWG solid wire.

- Curved handles & narrow nose help reach into confined areas
- Strong-gripping serrated nose easily bends, shapes & pulls wire
- Coil spring provides fast self-opening action
- Comfort grips

Strips AWG wire: 12 & 14.

Stk.	Mfr.	Length	Price
<b>945151</b>	K1412	7-3/4"	<b>\$31.50</b>



**6-in-1 Stripper Cutter**

**Klein** Shears bolts clean, measures stud sizes, cuts and strips wire, gauges wire sizes and crimps insulated terminals. Cuts bolt sizes 10-24, 10-32, 8-32, 6-32 and 4-40. Plastic covered handles for comfort.

Strips AWG wire: 10 to 22 (4.0 to .34mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945114</b>	1000	7-1/2"	<b>\$28.40</b>



**6-in-1 Combination Pliers**

**Milwaukee** Features dual-head design for wire stripping and needle nose functionality. Reamer,

wire stripper, bolt cutter, wire cutter, pliers and loop maker are combined into one tool. 1-hand locking. Smooth metal pipe edges from 1/2" to 1" and cut 6-32 & 8-32 bolts. Rust resistant. Mfr.'s limited lifetime warranty.

Strips AWG solid wire: 10-18 & AWG stranded wire: 12-20.

Stk.	Mfr.	Price
<b>577495</b>	48-22-3069	<b>\$33.80</b>



**Wire Stripper/Cutters**

**Klein** Gauges, cuts, strips and loops wire. Spring-loaded, self-opening action. Easy-store and carry flat design. Narrow nose fits into tight places. Strips wire quickly, cleanly, evenly. Strong hardened steel with

precision-ground stripping holes. Clear gauge markings on both sides. Black oxide finish. Plastic-dipped handles.

**Stranded Wire** Strips AWG stranded wire: 16, 18, 20, 22, 24, 26 (1.0 to .14mm<sup>2</sup>).

Stk.	Mfr.	Length	Price
<b>945315</b>	11046	6-1/4"	<b>\$18.10</b>

**Solid Wire** Strips AWG solid wire: 10, 12, 14, 16, 18 (4.0 to .75mm<sup>2</sup>).

<b>945316</b>	11045	6-1/4"	<b>\$17.20</b>
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**Heavy-duty Cable Cutters**

**CHAN NEL LOCK** Designed for maximum cutting

power with minimum effort. Features broader handles and closely-mated cutters for better leverage and extra comfort. Induction-hardened cutting edges are made from special grade carbon steel to permit clean, accurate cuts with minimum cable distortion. Channellock Blue® plastic cushion-grips. Cuts up to 4/0 aluminum, up to 2/0 soft copper. Not for steel or ACSR cable.

Stk.	Mfr.	Length	Price
<b>301525</b>	911	9-1/2"	<b>\$34.00</b>



**High-leverage Cable Cutter**

**Klein** Special high-leverage design gives this cutter amazing cutting capability for its size. Ideal for working in confined spaces. Tough, comfortable, red plastic-dipped handles.

Cuts up to 4/0 aluminum, up to 2/0 soft copper. Not for steel or ACSR cable.

Stk.	Mfr.	Length	Price
<b>945350</b>	63050	9-1/2"	<b>\$38.50</b>



**Electrician's Knife**

**Gardner Bender** Rip NM cable, strip wire and cut with 1 tool. Quick blade changes. Storage in handle.

**Includes** 3 replacement blades.

Stk.	Mfr.	Length	Price
<b>416822</b>	RK-6	6"	<b>\$13.70</b>



**Two-in-one Electrician's Knife**

**Gardner Bender** Two-in-one pocket knife has sharpened blade for skinning wire and screwdriver tip for screws. Tempered carbon-steel blades sharpen easily and hold their edge.

Stk.	Mfr.	Length	Price
<b>416750</b>	KF-200	3-3/4"	<b>\$15.70</b>



**NM Cable Ripper**

**Gardner Bender** Slits outer covering of Romex® cable (all sizes) and nonmetallic (type NM) sheathed cable. Gauge on handle checks and strips 6-14 AWG wire. Nickel-plated finish resists corrosion.

Stk.	Mfr.	Length	Price
<b>416715</b>	CRC-100	4"	<b>\$2.44</b>



**Plastic Fuse Puller**

**Gardner Bender** Tough, insulated fuse puller for 100-200 amp and 600V fuses. Puller adjusts to accommodate switch and fuse clips.

Stk.	Mfr.	Price
<b>416590</b>	FPE-20	<b>\$5.06</b>

**BATTERIES & POWER SUPPLIES**



**Batteries**

Stk.	Mfr.	Type	Qty.	Brand	Price
<b>687722</b>	6V	6V carbon zinc	1	Duracell	<b>\$6.92</b>
<b>687755</b>	6V	6V alkaline	1	Energizer	<b>\$24.40</b>
<b>687715</b>	9V	9V alkaline	1	Duracell	<b>\$7.56</b>
<b>687731</b>	C	C alkaline	4	Duracell	<b>\$13.70</b>
<b>687745</b>	D	D alkaline	4	Duracell	<b>\$13.70</b>
<b>687720</b>	AA	AA alkaline	4	Duracell	<b>\$7.09</b>
<b>687734</b>	AAA	AAA alkaline	4	Duracell	<b>\$7.09</b>
<b>943197</b>	L91BP-2	AA Li-ion	2	Energizer	<b>\$8.15</b>
<b>943198</b>	L92BP-2	AAA Li-ion	2	Energizer	<b>\$8.15</b>

**Rechargeable Ni-Mh Batteries**

**Energizer**

Stk.	Mfr.	Type	Qty.	Price
<b>942713</b>	NH22NBP	9V	1	<b>\$15.50</b>
<b>942709</b>	NH35BP-2	C	2	<b>\$15.50</b>
<b>942711</b>	NH50BP-2	D	2	<b>\$15.50</b>
<b>942719</b>	NH12BP-2	AAA	2	<b>\$11.50</b>
<b>942717</b>	NH15BP-2	AA	2	<b>\$11.50</b>
<b>942715</b>	NH15BP-4	AA	4	<b>\$19.10</b>

**Universal Battery Charger**

**Energizer** Charges up to 8 AA, 8 AAA, 4 C, 4 D or 1 9V NiMH rechargeable batteries. Charges 4 AA batteries in approx. 3 hours. Easy-to-read LCD screen shows charging status of the batteries inside. Features auto shut-off

to prevent over charge, short circuit and reverse polarity protection & bad battery detection. Energy Star rated.

**Includes** AC adapter.

Stk.	Mfr.	Price
<b>943265</b>	CHFC	<b>\$44.50</b>

**Battery Tester**

**Gardner Bender** Analog meter with a 9-position rotary selector switch. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, N, 9V, 1.5V button cells, 1.25V Ni-Cd rechargeable, 3V Li-ion, 22.5V photo & lantern cells, 6V lantern cell, 12V & 5V photo cells.

**Includes** test leads & instructions.

Stk.	Mfr.	Price
<b>416600</b>	GBT-500A	<b>\$12.50</b>

**Analog Battery Tester**

**Gardner Bender** Analog meter with low/good indicator. Moveable contact arm fits various battery sizes. 1-yr. mfr.'s warranty. Tests AA, AAA, C, D, 9V & 1.5V button cells.

**Includes** instructions.

Stk.	Mfr.	Price
<b>416602</b>	GBT-3502	<b>\$10.10</b>

**Battery Eliminator**

**Elenco** Substitutes for AA, AAA, C, D and 9V batteries. Rotary switch selects voltage. Advanced, solid-state electronics provide LINE and LOAD regulation of volt output. Voltage selector switch won't allow output volts to

increase while adjusting between volt ranges. Fuse in series with output of power supply provides short-circuit protection.

Input 120VAC. Output current 1 amp max. Accuracy +5%. Output voltage 1.5, 2.2, 3, 4.5, 5, 6, 7.2, 9, 10, 13.8, 15VDC.

Stk.	Mfr.	Price
<b>390479</b>	XP-100	<b>\$71.40</b>

**Variable Voltage Power Supply Kit**

**Elenco** Portable power supply for students, technicians and hobbyists. Ideal for breadboarding and prototyping. Short protected IC thermo. Assembly required.

Input voltage 120VAC.

Output voltage 0VDC - 15VDC.

Output current 0.3A @ 12V, 0.2A @ 15V.

Stk.	Mfr.	Price
<b>390345</b>	XP-15K	<b>\$29.90</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

**TESTING EQUIPMENT****2-Channel Oscilloscope**

**Elenco** Unit features dual or single trace operation. Calibrated 20-step time base with x10 magnifier.

- X-Y operation
- Accelerating voltage 2kV
- Auto/norm triggered sweep operation (AC, DC, TV-H, TV-V & line coupling)

**Vertical Amplifiers (Ch 1 & Ch 2)**

Bandwidth: 30 MHz, rise time 14 ns.

Sensitivity: 5mV/div - 5V/div (x1 mode).

1mV/div - 1V/div (6MHz, -3dB), (x5 mode).

Attenuator: 1-2-5 sequence, 10-step attenuator plus vernier control.

Input Impedance: 1M $\Omega$   $\pm$ 2%, 25pF  $\pm$ 10pF.

**Horizontal Amplifier**

X-Y Mode: switch selectable w/X-Y switch (Ch 1: X axis, Ch 2: Y axis).

Accuracy: Y axis  $\pm$ 3%, X axis  $\pm$ 6%.

**Includes** 2 probes (x1 & x10) & dust cover.

Stk.	Mfr.	Price
<b>390393</b>	S-1325	<b>\$563.00</b>

**Circuit Tester AC/DC**

**Gardner Bender** Twin probe tester. Tests voltage from 80-250 VAC/DC, 360°. Visual output indicates the presence of voltage. UL listed.

Stk.	Mfr.	Price
<b>416607</b>	GET-3100	<b>\$5.48</b>

**Solenoid Voltage Tester**

**Gardner Bender** Tests AC/DC voltage from 120-480V and DC polarity. Dual voltage indicators are solenoid vibration and neon bulb. Probes lock together for I-hand testing and storage.

- 4' reach from probe to probe w/probes unlocked Tests outlets, panels, light fixtures, switches, circuit breakers & extension cords
  - Double insulated
  - High-impact, dual-insulated case
- ETL, CAT III (600V) listed.

Stk.	Mfr.	Price
<b>416740</b>	GVT-392	<b>\$27.40</b>

**Non-Contact Voltage Tester**

**General** Audible and visual voltage tester ideal for isolating voltage breaks in lines. Measures

potential from hot wire to ground. Operating environment 32°-122°F. Indicates presence of voltage from 50-1000 VAC (ETL CAT III) or 50-600 VAC (ETL CAT IV). UL listed.

**Includes** 2 AAA batteries.

Stk.	Mfr.	Price
<b>419095</b>	VS3000A	<b>\$15.60</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*



**Digital AC Clamp Meter**

**Elenco** Designed according to IEC-1010-2-032 safety requirement for hand-held current clamps.

- 3-1/2" digit LCD display
- Reads up to 1000A
- Data hold
- Audible continuity
- Insulation test

AC voltage 200V to 750V (accr.  $\pm 1.0\%$  to  $\pm 1.2\%$ ), (resol. 0.1V).  
 AC current 20A, 200A, 1000A (accr.  $\pm 4.0\%$ ,  $\pm 2.5\%$ ,  $\pm 3.0\%$ ), (resol. 100mA).  
 DC voltage 200mV, 2V, 20V, 200V & 1000V (accr.  $\pm 0.5\%$  &  $\pm 0.8\%$ ), (resol. 0.1mV).  
 Resistance 200W to 20MW (accr.  $\pm 1.0\%$ ), (resol. 0.1W).  
 Insulation test 20MW  $\pm 2\%$ , 2,000MW  $\pm 4\%$  500V.  
 Temperature 32°F-753°F & 754°F-1,382°F (reading  $\pm 1.0\%$  &  $\pm 2.0\%$ ).

**Includes** 9V battery, test leads, hand strap, manual & case.

Stk.	Mfr.	Price
<b>390496</b>	ST-1012	<b>\$41.90</b>



**Analog Multimeter Kit**

**Elenco**

- 20,000 ohms/volt
- 3-1/2" meter
- Checks transistors/diodes
- Audible continuity
- Battery test
- 23 ranges
- Mirrored scale
- 10A DC reading
- dBA scale

**Includes** test leads, batteries & manual.

Stk.	Mfr.	Item	Price
<b>390458</b>	M-1250	Assembled Kit	<b>\$33.50</b>
<b>390459</b>	M-1250K	Ready-to-Solder Kit	<b>\$35.60</b>



**Analog Multimeter, 7 function, 19-Range**

**Gardner Bender** Tests AC/DC voltage, DC current, continuity, resistance and batteries.

- 19 ranges & 7 functions
- Audible continuity check
- Manual range selection
- Easy-read, color-coded analog displays
- ETL listed
- 1-yr. mfr.'s warranty
- Fuse overload protected

DC voltage 1,000V. AC voltage 1,000V.

DC current 500mA to 10A.  
 Resistance 10MΩ. Decibels -8dBA to +62dBA on ACV range.  
 Battery check 1.5V, 9V.

**Includes** 2 AAA batteries, test leads, spare fuse & instructions.

Stk.	Mfr.	Price
<b>416608</b>	GMT-319	<b>\$33.90</b>



**Analog Multimeter, 5 function, 12-Range**

**Gardner Bender** Tests AC/DC voltage, DC current, resistance and decibels. Separate battery/fuse compartment.

- 12 ranges & 5 functions
- Impact resistant shell
- 1-yr. mfr.'s warranty
- Pocket sized
- UL listed

DC voltage 10 to 500V. AC voltage 10 to 500V.  
 DC current 0.5mA to 250mA. Resistance 1MΩ.  
 Decibels -20dBA to +56dBA on ACV ranges.

**Includes** AA battery, 2 test leads, fuse & manual.

Stk.	Mfr.	Price
<b>416620</b>	GMT-312	<b>\$15.50</b>



**Digital Multimeter**

**General** Provides electrical readings economically. Single lead hotside identification with bright red LED.

- Continuity beeper w/red LED
- DC current
- AC & DC volts
- Distinguished hot & ground
- Ground disconnect check

DC voltage 2 to 1,000V (4 ranges). AC voltage 200V & 750V (2 ranges).  
 DC current 200μA to 10A (5 ranges). Resistance: 200Ω to 2MΩ (5 ranges).

**Includes** 2 test leads & 9V battery.

Stk.	Mfr.	Price
<b>419894</b>	DMM830HS	<b>\$26.40</b>



**Digital Multimeter, 3-Function**

**Gardner Bender** Manual, 3-function general purpose digital multimeter tests up to 500 VAC & 600 VDC.

11-position smooth rotary dial. 1-yr. mfr.'s warranty. UL listed.

- 3-1/2" digit display
- Low battery indicator
- On/off button
- 2,000 display count
- Secure-fit input jacks
- Drop-resistant housing

DC voltage 2,000mV to 600V± (1.2% +2 digits). Input impedance 10MΩ.  
 AC voltage 200 to 500V± (2.5% +5 digits). Resistance 200Ω to 2,000kΩ±.

**Includes** two 26" test leads (replaceable), 9V battery & manual.

Stk.	Mfr.	Price
<b>416606</b>	GDT-311	<b>\$17.40</b>



**Auto Ranging Multimeter**

**Klein**

- Measures capacitance, temperature & frequency
- Audible continuity w/loud buzzer
- Data hold & range hold
- Diode test
- Soft touch buttons

- Lead storage
- Protective boot
- CAT III 600V
- Back light display & 4000 count display
- Low battery indicator & auto power off
- Basic DC accuracy  $\pm 0.5\%$

AC Voltage 600V. AC Current 10A. DC Voltage 600V. DC Current 10A.  
 Resistance 40MΩ. Capacitance 200μF. μ Micro Amps 0.1μA.  
 Temperature -4 ~ 1832°F. Frequency / Duty Cycle 1 MHz.

**Includes** test leads, 9V battery & thermocouple.

Stk.	Mfr.	Price
<b>945015</b>	MM200	<b>\$56.70</b>



**Digital Multimeter M-1750**

**Elenco**

- 3-3/4" digit LCD
- Transistor/diode test
- Frequency to 10 MHz
- 3-way overload protection
- Audible continuity test
- Capacitance to 200μF
- AC/DC current to 10A

AC/DC voltage 400mV to 600V. AC/DC current 400μA to 10A.  
 Resistance 400Ω to 40MΩ. Capacitance 4nF to 200μF.

**Includes** holster, test leads, manual & 2 AAA batteries.

Stk.	Mfr.	Price
<b>390491</b>	M-1750	<b>\$41.90</b>





### Digital Multimeter, 8-Function

**Craftsman** Manual-ranging multimeter with large 2,000 count LCD display, diode test and continuity beeper. 1.5 and 9V battery test. Fuse is protected with a rubber holster w/ tilt stand.

- Measures up to 600V AC & 10A AC for electrical installation, home, appliance repairs
- Measures up to 600V DC & 10A DC for auto, marine & electronic installations/repairs
- Audible tone sounds below 30 ohms to check proper wiring & shorts
- Resistance: up to 2M ohm for household & auto electrical wiring testing & repair
  - Diode test for electronic & electrical testing

**Includes** holster, 2 spare fuses, test leads & manual.

Stk.	Mfr.	Price
<b>305805</b>	82141	<b>\$25.10</b>



### 116 HVAC Multimeter

**Fluke** Delivers the capabilities professionals need to troubleshoot and repair HVAC systems. Includes 80BK-A integrated DMM temperature probe. Measures resistance, continuity, frequency and capacitance. Provides min/max/average readings with elapsed time to record signal fluctuations.

- Microamps to test flame sensors
- Large white LED backlight for poorly lit areas
- Compact design for one-handed operation
- Low input impedance prevents false readings due to ghost voltage
- CAT III 600 V safety rated • 3-yr. mfr.'s warranty

AC voltage 600mV to 600V (4 ranges). AC current 600µA to .10µA. DC voltage 600mV to 600V (4 ranges). DC current 600µA to .10µA. Resistance 400Ω to 40MΩ (6 ranges). Capacitance 1nF to 1000µF.

**Includes** 4mm silicone test lead set, integrated temperature probe, holster, 9V battery, user manual.

Stk.	Mfr.	Price
<b>407800</b>	116	<b>\$237.00</b>

## SOLDERING



### 260/200 Watts Professional Soldering Gun

**Weller** Features instant heat, twin spotlight to illuminate work and long-reach, tin-plated copper soldering tip. Recommended for general purpose work.

#### Soldering Gun

Stk.	Mfr.	Watts	Volts	Price
<b>311221</b>	D550	260/200	120	<b>\$83.10</b>

**Soldering Gun Kit Includes** sealing tip, cutting tip, flux brush, soldering aid tool, coil of 40/60 rosin-core solder, case & soldering hints book.

<b>311224</b>	D550PK	260/200	120	<b>\$95.90</b>
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#### Replacement Tips, 2/pkg.

<b>312293</b>	7250W			<b>\$8.41</b>
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### 140/100 Watts Universal Soldering Gun

**Weller** User-friendly features include instant heating, a spotlight and fingertip on/off button. Tip is made of tin-plated copper.

#### Soldering Gun

Stk.	Mfr.	Watts	Volts	Price
<b>312561</b>	8200	140/100	120	<b>\$59.40</b>

**Soldering Gun Kit Includes** soldering tip, sealing tip, cutting tip, flux brush, soldering aid tool, coil of 40/60 rosin-core solder, case & soldering hints book.

<b>312564</b>	8200PKS	140/100	120	<b>\$69.80</b>
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#### Replacement Tips, 2/pkg.

<b>312494</b>	8125W			<b>\$9.07</b>
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### Therma-Boost Heat Tool & Soldering Gun

**Weller** 27 watt continuous heat tool quickly turns into a high-performance 130 watt, 950°F soldering gun with the squeeze of the Therma-Boost trigger. It quickly heats to handle most soldering jobs with ease. Runs for hours in

standard mode, making it perfect for cutting rope, Styrofoam® and other craft materials, scoring hard substances like Plexiglas® and tile, and smoothing or shaping soft plastics and wax.

**Includes** 6 tips (conical, screwdriver, scoring, rope cutting, foam cutting, smoothing), stand & manual.

Stk.	Mfr.	Watts	Price
<b>309878</b>	TB100PK	130	<b>\$36.00</b>



### 6 Watt / 4.5V Cordless Soldering Iron

**Weller** Battery-powered iron goes anywhere. Heats in 15 seconds for soldering microelectronics, hobbies, small appliances, repairing wiring and more. 120 solder joints per 3 AA battery use. Features auto shut-off cap, standby/power-off switch, on-button, power-on indicator light, optimal heat-transferring, long-life tip. 7-yr. mfr.'s warranty.

**Includes** nickel-plated copper tip, wrench, lead-free solder & shut-off cap.

**Requires 3 alkaline AA batteries, sold separately.**

Stk.	Mfr.	Watts	Volts	Price
<b>311199</b>	BP645MP	6	4.5	<b>\$23.00</b>



### Standard Soldering Irons

**American Beauty** Features standard-size irons w/long-life element. Paragon-quality tip.

#### Irons

Stk.	Mfr.	Watts	Tip	Price
<b>197399</b>	3125-60	60	1/4"	<b>\$93.30</b>
<b>197467</b>	3138-100	100	3/8"	<b>\$137.00</b>
<b>197534</b>	3158-200	200	5/8"	<b>\$182.00</b>
<b>197601</b>	3178-300	300	7/8"	<b>\$232.00</b>

#### Replacement Tips

<b>196690</b>	42D		1/4" Diamond	<b>\$16.80</b>
<b>196680</b>	43D		3/8" Chisel	<b>\$18.00</b>
<b>196682</b>	44D		5/8" Diamond	<b>\$40.80</b>
<b>196684</b>	45C		7/8" Chisel	<b>\$74.40</b>
<b>196686</b>	46C		1-1/8" Chisel	<b>\$108.00</b>

Installation Available  
for Equipment & Furniture.  
Pricing Upon Request • 800-831-5904


**12 Watt Marksman Mini**

**Weller** Pencil-thin iron has nickel-plated conical tip. For fine soldering and hobby work.

Stk.	Mfr.	Watts	Temp. Range	Length	Price
<b>307475</b>	SP12	12	0-750°	7"L	<b>\$23.10</b>

**Replacement Tip, 1/8" Cone. 1/pkg.**

<b>309665</b>	MT70				<b>\$7.75</b>
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**25 Watt LED Soldering Irons**

**Weller** Three 5mm high LEDs for superior soldering application and accuracy. Used for hobbies, kits, radios.

**Soldering Iron Includes** MT1 tip & stand.

Stk.	Mfr.	Watts	Temp. Range	Tip	Price
<b>308149</b>	SP25NUS	25	750°	MT1	<b>\$20.10</b>

**Soldering Iron Kit Includes** stand, soldering aid tool, lead free solder, MT1, MT2 & MT3 tips.

<b>308151</b>	SP25NKUS	25	750°	MT1	<b>\$23.00</b>
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**Replacement Tip, 1/8" Cone. 2/pkg.**

<b>307000</b>	MT1				<b>\$8.25</b>
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**40 Watt LED Iron**


**Weller** Three 5mm high LEDs for superior soldering application and accuracy.

**Includes** MT10 tip & stand.

Stk.	Mfr.	Watts	Temp. Range	Tip	Price
<b>308586</b>	SP40NUS	40	900°	MT10	<b>\$24.00</b>

**Replacement Tip, 1/4" Chisel. 2/pkg.**

<b>307190</b>	MT10W				<b>\$14.20</b>
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**80 Watt Marksman**


**Weller** Three 5mm high LEDs for superior soldering application and accuracy.

**Includes** MTG20 tip & stand.

Stk.	Mfr.	Watts	Temp. Range	Tip	Price
<b>309767</b>	SP80NUS	80	900°	MTG20	<b>\$42.50</b>

**Replacement Tip, 3/8" Chisel. 1/pkg.**

<b>308084</b>	MTG20				<b>\$13.40</b>
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**120 Watt Marksman**


**Weller** Used for workshop repairs and stained glass.

**Includes** rest for iron and long-life iron-plated chisel tip.

Stk.	Mfr.	Watts	Temp. Range	Tip	Length	Price
<b>310698</b>	SP120	120	950°	1/2"	11-3/8"	<b>\$82.40</b>

**Replacement Tip, 1/2" Chisel. 1/pkg.**

<b>308548</b>	MTG30					<b>\$19.40</b>
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**175 Watt Marksman**


**Weller** Used for workshop repairs and stained glass.

**Includes** rest for iron and long-life iron-plated chisel tip.

Stk.	Mfr.	Watts	Temp. Range	Tip	Length	Price
<b>310792</b>	SP175	175	950°	5/8"	12-1/2"	<b>\$101.00</b>

**Replacement Tip, 5/8" Chisel. 1/pkg.**

<b>308582</b>	MTG40					<b>\$33.00</b>
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**Professional Soldering Irons**

**Weller** Top quality iron-plated tips w/anti-wetting chrome coating for 2 irons listed above. All tips are pre-tinned.

**Stainless Steel Barrel**

Stk.	Mfr.	Watts	Volts	Tip	Price
<b>308154</b>	WP25	25	120	ST3	<b>\$67.40</b>
<b>308590</b>	WP35	35	120	ST3	<b>\$84.80</b>

**Replacement Tips**

<b>307002</b>	ST1			1/16" Screwdriver	<b>\$6.10</b>
<b>307017</b>	ST3			1/8" Screwdriver	<b>\$7.92</b>
<b>307018</b>	ST4			3/16" Screwdriver	<b>\$7.92</b>
<b>307054</b>	ST7			1/32" Conical	<b>\$6.10</b>


**Soldering Stations**

**Elenco** Station is electronically controlled from 5 to 40 watts.

- Iron holder funnel
- Sponge pad for cleaning tip
- Cushion grip handle

- Power on/off w/indicator light
- Heavy-duty iron w/plated conical tip

Stk.	Mfr.	Item	Price
<b>390377</b>	SL-5K-40	Ready-to-Assemble Kit	<b>\$47.30</b>
<b>390378</b>	SL-5-40	Assembled Kit	<b>\$47.30</b>

**Replacement Tips**

Stk.	Mfr.	Item	Price
<b>390382</b>	SR-2BT	Wedge Tip	<b>\$5.75</b>
<b>390383</b>	SR-2BT2	Conical Tip	<b>\$5.75</b>


**Electronic Soldering Station for Hobbyists**

**Weller** Variable power control produces 5-40 watts. Uses ST series tips. UL listed.

- Safety guard iron holder
- Natural sponge tip cleaning pad

- Power on/off w/indicator light
- Cushioned foam grip w/replaceable heating element
- 40 watt lightweight pencil iron w/ST3 iron-plated copper tip

Stk.	Mfr.	Price
<b>309876</b>	WLC100	<b>\$77.40</b>


**40 Watt Industrial Electronic Soldering Station**

**American Beauty** 1,000°F, 40 watt station features high-thermal capacity and controllability. Built to withstand rugged use in production maintenance and repair operations.

**Includes** three 3/16" dia tips (chisel, diamond & conical), detachable soldering iron holder & dross sponge tip cleaner.

- Solid-state voltage regulator provides tight process control, long heating element life & excessive heat protection
- Ni-Chrome wound heat elements control soldering temp
- Paragon iron-clad, lead-free tips are long lasting & easy-to-clean

**Includes** three 3/16" dia tips (chisel, diamond & conical), detachable soldering iron holder & dross sponge tip cleaner.

Stk.	Mfr.	Price
<b>197300</b>	V36GM3	<b>\$173.00</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



**Desoldering Bulb**

**Weller** Bulb with TFE tip facilitates accurate printed circuit repair and cleaning. May be used with soldering iron.

Stk.	Mfr.	Price
<b>310100</b>	7805	<b>\$23.60</b>



**Soldering Tool Stand**

**Weller** Stand w/base, sponge & iron holder. For W60P, WP25P, WP40P & irons w/barrel dia. up to 15/32".

Stk.	Mfr.	Price
<b>309085</b>	PH60	<b>\$42.20</b>

**Replacement Sponge**

Stk.	Mfr.	Price
<b>309779</b>	EC205	<b>\$4.45</b>



**Solder Ease Kit**

**Elenco** 3 scrapers, 1 brush.

Stk.	Mfr.	Price
<b>390294</b>	SE-1	<b>\$4.68</b>



**Solder Wick**

**Elenco** Instantly removes solder.

Stk.	Mfr.	Size	Price
<b>390303</b>	SW-3	5'L x 1/8"T	<b>\$1.80</b>



**Soldering Tip Polishing Bar**

**Weller** For cleaning soldering tips. Removes plastic resins, silicone grease & chemicals.

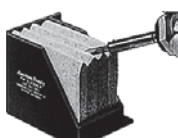
Stk.	Mfr.	Price
<b>309872</b>	WPB1	<b>\$18.00</b>



**Sal Ammoniac Bars**

**Johnson Mfg.** For fast cleaning & tinning of soldering coppers.

Stk.	Mfr.	Size	Price
<b>490335</b>	24-100-07	1/2 lb.	<b>\$10.80</b>
<b>490402</b>	24-100-09	1 lb.	<b>\$12.40</b>



**Fast Tip Cleaner**

**American Beauty** Cleans entire tip of a soldering iron or gun in 1 pass. 3/4"D water well keeps sponges wet all day.

Stk.	Mfr.	Qty.	Price
<b>197201</b>	480	1	<b>\$19.20</b>
<b>197268</b>	480-S	4	<b>\$17.70</b>

**Solder**

**Alpha Metals**

**Acid Core** For general purpose soldering such as repairing tools, radiators, automotive parts & sheet metal (not for electrical applications). Contains flux core w/a highly active cleaner.

Stk.	Mfr.	Tin	Lead	Dia.	Size	Price
<b>194944</b>	AM12406	40%	60%	.125	1 lb.	<b>\$25.70</b>

**Rosin Core** For applications on electrical components & electronic circuitry. Apply w/soldering irons & guns. Contains activated rosin (noncorrosive) flux to clean parts while soldering.

Stk.	Mfr.	Tin	Lead	Dia.	Size	Price
<b>194949</b>	AM21604	60%	40%	.062	1/2 lb.	<b>\$18.50</b>
<b>194946</b>	AM11406	40%	60%	.093	1 lb.	<b>\$26.10</b>

**Solid Core** For general purpose soldering such as repairing stained glass, household items, plumbing drains, brass fittings & fixtures, steel, nickelplate & nickel alloys (not for electrical applications). Apply w/flux.

Stk.	Mfr.	Tin	Lead	Dia.	Size	Price
<b>194950</b>	AM13406	40%	60%	.125	1 lb.	<b>\$22.60</b>
<b>194952</b>	AM13505	50%	50%	.125	1 lb.	<b>\$25.90</b>

**Bar** Uniform distribution of tin-lead alloys provides good flow characteristics & low melting point (in bar form, not on spool).

Stk.	Mfr.	Tin	Lead	Dia.	Size	Price
<b>942912</b>	AM50501	50%	50%		1 lb.	<b>\$27.50</b>

**Lead-free** Silver-bearing solder w/a blend of tin, copper & silver alloy for applications requiring lead-free alloy. It provides better capillary penetration, a pasty working range & stronger solder joint. Complies with Federal Standards for use of solder in potable water systems.

Stk.	Mfr.	Tin	Lead	Dia.	Size	Price
<b>194942</b>	AM13955	95%		.125	1 lb.	<b>\$44.70</b>



**Seizer w/Serrated Jaws**

**Xcelite** Clamps firmly onto wires for soldering. Acts as a heat sink & retrieves small parts from hard-to-reach places. Precision-machined, tempered stainless steel. Box-joint construction w/3-position snap lock.

Stk.	Mfr.	Item	Length	Price
<b>308826</b>	42HV	Straight Nose	5-1/2"	<b>\$13.90</b>
<b>308827</b>	43HV	Curved Nose	5-1/2"	<b>\$14.10</b>

**Soldering Fluid**

**Johnson Mfg.** Soldering fluid that contains no acid.

Stk.	Mfr.	Size	Price
<b>490000</b>	01-07	Pt.	<b>\$8.16</b>
<b>490067</b>	01-09	Qt.	<b>\$12.50</b>
<b>490134</b>	01-11	Gal.	<b>\$26.90</b>



**Soldering Paste**

**Johnson Mfg.** Noncorrosive soldering paste.

Stk.	Mfr.	Size	Price
<b>490203</b>	05-03	3 oz.	<b>\$4.88</b>
<b>490268</b>	05-09	1 lb.	<b>\$11.70</b>



**Propane Torch Head**

**Magna** All brass pencil tip torch. Delivers a fine, concentrated flame for pinpoint heating. The adjustable flame knob allows for flame control and fuel economy. Use with propane fuel only.

Stk.	Mfr.	Price
<b>943331</b>	MT200C	<b>\$17.80</b>

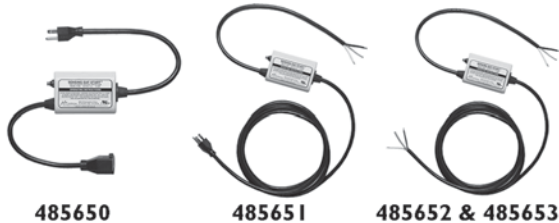


### X-Tra Hands

**X-Acto** Double alligator spring clamps and double joints hold work firmly at any angle. 2x magnifier for close, exacting work to free hands for soldering, gluing and positioning.

Stk.	Mfr.	Price
<b>477084</b>	X75170	<b>\$18.70</b>

## SAFETY CONTROLS



485650

485651

485652 &amp; 485653

### Restart Safety Plugs

**JDS Products** The easy-to-install, inexpensive solution to anti-automatic restart safety, without the high cost of magnetic motor starters. The Sensing-Saf-Start® Plug prevents equipment restart following a power interruption, and will not allow a reset until the equipment switch has been turned off.

- Upgrades small machines to meet latest safety requirements
- Plugs into machine power cord & plug (Model 1996)
- Replaces old, frayed, ungrounded power cords (Models 1997, 98, 99)
- Complies w/latest OSHA & NFPA safety standards
- Offers electrical disconnect compliance by unplugging
- Installs in minutes on: drill presses, belt sanders, band saws, power hacksaws, cut-off machines, table saws, small lathes, small milling machines, scroll saws & tool grinders

**You must install any matching plugs on the power cord.**

**Model 1996** For 120V machines w/a good power cord & plug (when cord is not frayed & plug has a ground pin). **Includes** short extension-cord style, 14" cord on male plug end, 12" cord on female receptacle end.

Stk.	Mfr.	Volts	Amps	Price
<b>485650</b>	1996	120	15	<b>\$97.00</b>

**Model 1997** For all 120V machines w/an old cord &/or you want the reset button closer to the machine for easy access, but still plugged into a duplex-type outlet. Plug is on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord w/molded plug on power end.

Stk.	Mfr.	Volts	Amps	Price
<b>485651</b>	1997	120	15	<b>\$97.00</b>

**Model 1998** For 120V machines w/an old cord &/or you want to connect to a disconnect box, or install either a 20 amp or twisting lock-type plug on the cord. Sensing-Saf-Start housing is located close to the machine w/out a plug on the end of the 8' cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

Stk.	Mfr.	Volts	Amps	Price
<b>485652</b>	1998	120	18	<b>\$97.00</b>

**Model 1999** For 200-240V, single phase machines (3-wire). You must install any matching plugs on the power cord. **Includes** 20" cord on equip. switch end, 8' cord on power end (no plug).

Stk.	Mfr.	Volts	Amps	Price
<b>485653</b>	1999	200-240	15	<b>\$97.00</b>



### Magnetic Safety Switch

**General Intl.** For use on all types of stationery power tools. Extra-large 6" x 6-1/2" STOP panel for hands-free shut-off using knee, thigh, hip or elbow (depending on switch position). Built-in circuit breaker cuts power to machine in case of power surge or power failure. Ultra-safe design requires 2-step re-start procedure after any shut-off. Adaptable to fit on most existing switch mounting brackets or directly to machine cabinets (drilling may be required).

Equipped with removable lock-out safety key.

Stk.	Mfr.	Volts	Phase	HP	Amps	Price
<b>420880</b>	85-110	110	1	1	8-11	<b>\$259.00</b>
<b>420881</b>	85-120	110	1	3/4	10-15	<b>\$259.00</b>
<b>420882</b>	85-125	110	1	1	11-14	<b>\$259.00</b>
<b>420883</b>	85-210	220	1	2-3	8-11	<b>\$259.00</b>
<b>420884</b>	85-215	208-230	1	1-1/2	8-11	<b>\$259.00</b>
<b>420885</b>	85-225	220	1	2-3	14-17	<b>\$259.00</b>
<b>420886</b>	85-230	220	3	2	4.5-6.5	<b>\$259.00</b>
<b>420887</b>	85-240	208-230	1	3	10-15	<b>\$259.00</b>
<b>420888</b>	85-245	220	1	3	14-17	<b>\$259.00</b>
<b>420889</b>	85-255	220	3	5	11-14	<b>\$259.00</b>



### iVac Switch Box

**BCTINT** iVac (Intelligent Vacuum) increases work shop cleanliness and safety by eliminating the distraction of turning dust collection system (DCS) on and off while operating potentially dangerous power tools. Easy-to-use unit features a 3-position switch (auto, on & off).

- Auto Mode starts DCS system when power tool is activated
- On Mode keeps DCS on for easy end-of-job cleanup
- Off Mode causes DCS to be off
- Turn on delay (0.5 to 2.0 sec.) avoids dual power surges from DCS & power tools being activated simultaneously
- Turn off delay (6 sec.) clears any remaining airborne debris
- 2 input power cords accommodate situations when large tools & DCS require more than the standard 15 amp AC outlet (each cord has built-in circuit breaker protection)
- Extends DCS life since it isn't inadvertently left on when not needed
- Compact, lightweight unit is easily wall mounted

**ETL Safety Approval. Conforms to UL STD 244A & CSA STDC22.2 No. 14.**

Stk.	Mfr.	Price
<b>529500</b>	SB-NA	<b>\$55.70</b>

“Would you like to schedule a call or meeting?”

Kevin Luft ext. 3105  
kluft@midwesttechnology.com



## GAS ENGINES



### 675 Series Engine

**Briggs & Stratton** No priming or choking required with Ready-Start® one-pull system. Delivers greater power and torque for mid- to heavy-duty applications.

- Large diameter rewind starter requires less pulling force

- Maxi-Clean™ pleated paper air filter provides superior protection for long engine life

- Lo-Tone™ muffler for quieter operation

Bore 2.69". Stroke 2.04". Fuel Tank 1.6 qt.

Stk.	Mfr.	Displacement	Oil Capacity	Price
<b>228260</b>	I26M02-1015	11.57 cu. in.	20 fl. oz.	<b>\$233.00</b>



### 950 Series Engine

**Briggs & Stratton**

- Horizontal engine, 3/4" x 2.420" crankshaft
- Dura-Bore cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting

- Maintenance-free Magnatron electronic ignition for quick, dependable starts

- Dual-Clean air cleaner pleated paper filter with foam pre-cleaner ensures maximum protection for extended engine life

- Overhead valve design for cooler operation & longer valve life

- 2-yr. mfr.'s limited warranty

Stk.	Mfr.	Displacement	Oil Capacity	Price
<b>228257</b>	I30G32-0022-F1	208 cc	20 fl. oz.	<b>\$305.00</b>



### Advanced Engine Training Kit

**Briggs & Stratton** Complete course curriculum for 20 students is refined from the Briggs & Stratton Authorized Field Service School, a widely acclaimed small engine training program in the industry. Developed from years of training experience and built around a textbook

written by the Customer Education Department, this program assures a thorough, in-depth study of Briggs & Stratton engines.

Benefits of using Briggs & Stratton® Training Kits include:

- Materials that are developed w/instructor & the student in mind
- Daily lesson plans will span through the semester
- Step-by-step tear down & assembly scripted lab procedures
- Power Point presentation that follows the textbook
- Engaging video & animations that help clarify difficult concepts & will excite students' interest
- Provided tool list takes the guesswork out & reduces operating cost

**Includes** engines, tools & instructional materials.

**Please visit our website for the complete description of this kit.**

### Advanced Training Kit For 20 Students

Stk.	Mfr.	Price
<b>203175</b>	CE9001A	<b>\$9,384.00</b>

**Engine Upgrade Module** Module is an excellent way for schools with established air-cooled engine programs to upgrade to more modern components. **Includes** 10 ea. overhead valve engines 10 ea. repair manual OHV single cylinder, 3 ea. flywheel, 3 ea. flywheel strap wrenches, 3 ea. tool ring expanders & 3 ea. piston ring compressors.

Stk.	Mfr.	Price
<b>203176</b>	CE9028	<b>\$4,169.00</b>

### OHV Engine Replacement Training Kit

**Briggs & Stratton** Use this kit to economically replace engines in the OHV Engine Training Kit CE9001 or supplement other training kits.

**Includes** 5 Overhead Valve Engines (125432-0036-F8 or similar model) & 1 OHV Engine Instructor's Reference CD w/Lesson Plans & Lab Procedures (CE3094).



Stk.	Mfr.	Price
<b>203181</b>	CE9041	<b>\$1,986.00</b>



### L-Head 675™ Series Engine Training Kit

**Briggs & Stratton** Kit is designed for schools needing a basic entry-level kit using one of the most widely used engines for walk-behind lawn mower applications.

- Intended for smaller class sizes
- Get hands-on experience w/vertical shaft lawn mower engines
- CDs, textbook & workbook to help instructors enhance students' learning experience

**Includes** 2 L-Head 675 Series™ Vertical Engines (126M02-1015-F1 or similar model), 6 Small Engine & Equipment Maintenance Books (CE8155), 6 L-Head Repair Manuals (270962), L-Head Engine Instructor's Reference CD (CE3093), 4-Cycle Theory DVD (CE3070), Theories of Operation DVD (CE3013), Product Knowledge CD, Training in Parts Identification CD (CE3060), Small Engines Textbook (CE8020), Small Engines Workbook (CE8021), Small Engines Workbook Answer Key (CE8022), basic tool kit (19300) & torque wrench (19393).

Stk.	Mfr.	Price
<b>203179</b>	CE9039	<b>\$1,565.00</b>



### Vanguard™ V-Twin OHV Engine Kit

**Briggs & Stratton** Designed to take the more advanced learners to the next level. Kit will give your students the chance to discover the working mechanisms of multi-cylinder engines. In addition, they will have the opportunity to understand the refinement of the Vanguard™ brand. Get hands-on experience

with twin cylinders, pressurized lubrication, electric start and alternators.

CD contains:

- How to look up parts & Operator Manuals
- Illustrated Parts List for Model 305447
- PowerPoint engine disassembly & reassembly
- V-Twin teardown script
- V-Twin Model 305447 class outline
- Required tool list
- Oil & fuel recommendations
- and more!

**Includes** 2 Vanguard™ V-Twin OHV engines, 4 gasket sets, 4 Vanguard™ V-Twin OHV repair manuals & V-Twin engine instructor's reference.

Stk.	Mfr.	Price
<b>203185</b>	CE9056	<b>\$3,340.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

## SMALL ENGINE REPLACEMENT PARTS



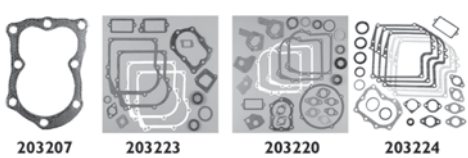
**Air Filter Elements**  
**Briggs & Stratton**

Stk.	Mfr.	Item	Price
203203	27987S	2-5 HP Horizontal	\$5.66
203206	270579S	3-3.5 HP Vertical	\$4.95



**Air Filter Cartridges**  
**Briggs & Stratton**

Stk.	Mfr.	Item	Price
203215	392308S	2-5 HP Horizontal & Vertical	\$10.20
203221	491588S	3-3.5 HP Horizontal, 3.5-6 HP Quantum, 6 HP Vertical	\$5.92



**Gaskets**  
**Briggs & Stratton**

Stk.	Mfr.	Description	Price
203207	272157S	5 HP Horizontal & Vertical	\$5.06

Stk.	Mfr.	Description	Price
203223	590777	3-3.55 HP Vertical	\$14.30
203220	495602	2-3.5 HP Horizontal	\$24.20
203224	590508	For 126L02 & 126M02	\$17.70
203242	791797	For 122032	\$47.70
203244	795971	For 97322	\$27.80

Stk.	Mfr.	Description	Price
203240	498525	For 97322	\$14.90
203241	498528	For 126L02	\$11.60
203243	791798	For 122032	\$22.10



**Magnetron Armatures**  
**Briggs & Stratton** Horizontal & vertical.

Stk.	Mfr.	Description	Price
203160	591420	2-4 HP	\$39.50
203222	397358	5 HP	\$37.60



**Condenser & Breaker Assemblies**  
**Briggs & Stratton** 2 to 8 HP horizontal & vertical.

Stk.	Mfr.	Price
203208	294628	\$11.00

**Starter Ropes**  
**Briggs & Stratton**

Stk.	Mfr.	Description	Size	Price
203212	790965	#4	200'L	\$28.30
203213	790966	#4-1/2	200'L	\$30.10



**Needle Valves**  
**Briggs & Stratton**

Stk.	Mfr.	Description	Price
203210	299060	3-5 HP Vertical & Horizontal	\$8.89
203217	395508	3-4 HP Vertical	\$5.59



**Starter Clutch**  
**Briggs & Stratton** For most rewind starter engines.

Stk.	Mfr.	Price
203218	399671	\$22.40



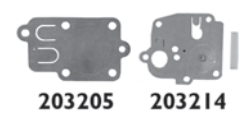
**Recoil Spring**  
**Briggs & Stratton** For most rewind starter engines with clutch.

Stk.	Mfr.	Price
203219	490179	\$7.64



**Fuel Line/Vapor Emission Hoses**  
**HBD Industries** Nitrile tube hose is suitable with lead or unleaded gasoline and many Ethanol and Methanol-based gasohol blends. Meets or exceeds SAE30R7 specifications. This hose is not to be used for fuel injected systems.

Stk.	Mfr.	Dia.	Length	Price
942876	25060	1/4"	25'	\$32.60
942877	25078	5/16"	25'	\$35.20
942878	25088	3/8"	25'	\$39.90



**Diaphragms**  
**Briggs & Stratton**

Stk.	Mfr.	Description	Price
203205	270026	3-5 HP Horizontal	\$4.62
203214	391681	3.5-4 HP Vertical	\$13.20



**Pulsa Prime Carburetor Diaphragm**  
**Briggs & Stratton** 3 to 3.75 HP vertical.

Stk.	Mfr.	Price
203225	795083	\$4.93



**Magnetron® Kit**  
**Briggs & Stratton** Used to retrofit most 2-legged ignition armatures with breaker points.

Stk.	Mfr.	Price
203216	394970	\$21.40

## Flywheel Key

**Briggs & Stratton** For most engines.

Stk.	Mfr.	Price
<b>203204</b>	222698S	<b>\$3.24</b>



## Spark Plugs

**Champion** Small engine/lawn and garden spark plug.

Stk.	Mfr.	Type	Price
<b>942879</b>	8411	J8C	<b>\$3.43</b>
<b>942807</b>	8431	CJ8	<b>\$3.41</b>
<b>942808</b>	8451	J17LM	<b>\$3.39</b>
<b>942670</b>	4311	RC14YC	<b>\$3.29</b>
<b>942671</b>	8681	RJ19LM	<b>\$3.89</b>



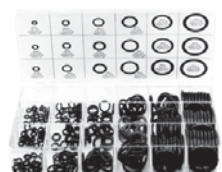
## Roll Pin Assortment

**Fastener Barn** Replaces majority of pin requirements. Carbon steel pins, plain finish.

**Includes** plastic case, plus pins: 10 ea. (5/32" dia.) 5/8", 1" & 1-1/2", 10 ea. (5/64" dia.) 1/4",

1/2" & 1", 10 ea. (1/16" dia.) 3/16", 3/4" & 5/16", 10 ea. (3/32" dia.) 5/8", 1" & 1-1/4", 15 ea. (1/8" dia.) 5/8", 1" & 1-1/4", 10 ea. (1/4" dia.) 5/8", 1-1/4" & 1-3/4", 10 ea. (5/16" dia.) 3/4", 1-1/2" & 2", 5 ea. (3/8" dia.) 3/4", 1-1/2" & 2", 10 ea. (7/32" dia.) 5/8", 1-1/4" & 1-3/4" & 15 ea. (3/16" dia.) 5/8", 1" & 1-1/4".

Stk.	Mfr.	Qty./Pkg.	Price
<b>485530</b>	RP99	315	<b>\$40.00</b>



## O-Ring Assortment

**Fastener Barn** For auto, small engine lawn mower, industrial & implement needs. Made of Buna-N, 70 durometer.

**Includes** case w/informational lid & O-rings.

Stk.	Mfr.	Qty./Pkg.	Price
<b>485525</b>	OR99	225	<b>\$28.00</b>



## Snap Ring Assortment

**Fastener Barn** High quality carbon spring steel.

**Includes** plastic case, plus rings: (30) 1/4" (.250 dia.), (20) 5/16" (.312 dia.), (50) 3/8" (.375 dia.), (20) 7/16" (.438 dia.), (50) 1/2" (.500 dia.), (20) 9/16" (.562 dia.), (30) 5/8" (.625 dia.), (35) 3/4" (.750 dia.), (10) 13/16" (.812 dia.), (20) 7/8" (.875 dia.), (10) 1" (1.000 dia.), (5) 1-1/4" (1.250 dia.).

Stk.	Mfr.	Qty./Pkg.	Price
<b>485542</b>	SR99	300	<b>\$40.00</b>



## Square Key Assortment

**Fastener Barn** Carbon steel keys with square ends. All 1-1/2"L.

**Includes** plastic case plus, (15) 1/8" x 1/8", (15) 3/16" x 3/16", (10) 1/4" x 1/4", (10)

5/16" x 5/16", (5) 3/8" x 3/8", (5) 1/2" x 1/2".

Stk.	Mfr.	Qty./Pkg.	Price
<b>485538</b>	SK99	60	<b>\$45.00</b>



## Shop Assortment

**Fastener Barn** Includes plastic case plus:

- woodruff keys (25) 3/32" x 3/8", (25) 3/32" x 1/2", (25) 1/8" x 1/2", (40) 1/8" x 5/8", (50) 5/32" x 5/8", (25) 3/16" x 3/4"
- roll pins (20) 1/8" dia. x 5/8"L, (20) 1/8" dia. x 1"L, (20) 5/32" dia. x 5/8"L, (20) 5/32" dia. x 1"L, (20) 3/16" dia. x 1"L
- snap rings (25) 3/8" dia., (25) 1/2" dia., (25) 5/8" dia., (25) 3/4" dia.
- "E" Clips (25) 1/4" dia., (25) 3/8" dia.

Stk.	Mfr.	Qty./Pkg.	Price
<b>485535</b>	SA99	460	<b>\$60.00</b>



## Woodruff Key Assortment

**Fastener Barn** Carbon steel, standard half-moon keys.

**Includes** plastic case, plus keys: 40 ea. of 3/8": (10) 1/6", (20) 3/32", (10) 1/8", 40 ea. of 1/2":

(10) 1/6", (15) 3/32", (15) 1/8", 95 ea. of 5/8": (10) 3/32", (30) 1/8", (50) 5/32", (5) 3/16", 55 ea. of 3/4": (20) 1/8", (10) 3/4", (20) 3/16", (5) 1/4", 20 ea. of 7/8": (5) 5/32", (5) 3/16", (5) 7/32", (5) 1/4".

Stk.	Mfr.	Qty./Pkg.	Price
<b>485555</b>	WK99	250	<b>\$50.00</b>

## SMALL ENGINE TOOLS

### 20-Piece Small Engine Tool Kit

**Briggs & Stratton** Tools for repairing and working on 2 and 4 cycle gas engines.

**Includes** air gap gauge, alcohol fuel tester, carburetor jet screwdrivers (*small & large*), fuel line removal tool, master parts catalog, flywheel holder, tachometer, tang bender, flywheel pullers (*small, medium & large*), torque wrench, large flywheel puller, torquex start bits w/pouch, ignition tester, valve lapper, piston ring compressor (5 HP & below), valve lapping compound, piston ring expander, valve spring compressor.

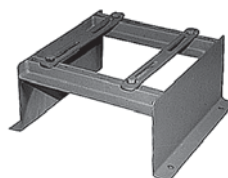
Stk.	Mfr.	Price
<b>204315</b>	19300	<b>\$448.00</b>

### Small Gas Engine Repair Activity Set

**Midwest** Activity has necessary engine, tools and video DVDs to enable students to disassemble and reassemble small gasoline engines. Features Briggs & Stratton 3 HP horizontal shaft, 4-cycle gas engine with Flo-Jet carburetor and a small bench-mount stand to support the engine. Disassembly and assembly videos cover a step-by-step approach for tearing down an engine and rebuilding procedures including safety practices with correct removal processes.

**Includes** Briggs & Stratton gas engine, 10-piece screwdriver set, 20-piece small engine tool kit, Small Engine Assembly DVD set/3, Small Engine Disassembly DVD set/3, 18-piece allen wrench set, 18-piece 1/2" socket set, small engine stand, 14-piece combination wrench set, 1/2" torque wrench, 13-piece small motor tool panel & repair manuals.

Stk.	Mfr.	Price
<b>537001</b>	MW-ERM	<b>\$2,295.00</b>



### Small Engine Stand

**Greene** Heavy-gauge steel stand adjusts to secure horizontal or vertical engines. Pre-drilled mounting bracket. All welded construction. Gray. 9-1/2" x 10" x 4".

Stk.	Mfr.	Price
<b>433655</b>	EL-40	<b>\$114.00</b>



**Tachometer**

**Briggs & Stratton** 800-50,000 rpm, 14-750 cycles. Vest pocket meter transforms vibration into rpm in a straight-forward gauge.

Stk.	Mfr.	Price
<b>204136</b>	19200	<b>\$31.80</b>



**Hand-held Tachometer**

**KD Tools** Hand-held unit checks revolution speed on diesels, pumps, compressors, power take-offs, etc. 100 to 4,000 clockwise or counter-clockwise. 2-3/4" dia., 4-1/4"L.

Stk.	Mfr.	Price
<b>432780</b>	2967	<b>\$141.00</b>



**Ignition Spark Tester**

**Briggs & Stratton**

Stk.	Mfr.	Price
<b>203000</b>	19368	<b>\$24.80</b>



**Carburetor Jet Screwdrivers**

**Briggs & Stratton** For removing most carburetor jets.

Stk.	Mfr.	Size	Price
<b>203335</b>	19061	3/16" x 5"	<b>\$13.10</b>
<b>203402</b>	19062	1/4" x 5-3/4"	<b>\$13.70</b>



**Distributor & Carburetor Adjusting Tool**

**Zim** 1/8" hex bit and screw drive adapter.

Stk.	Mfr.	Size	Price
<b>988541</b>	730	11"L	<b>\$11.80</b>



**Beam Torque Wrench**

**Briggs & Stratton** Range is 0 to 300 in./lb.

Stk.	Mfr.	Price
<b>204327</b>	19393	<b>\$103.00</b>



**Plug Gauges**

**Briggs & Stratton**

Stk.	Mfr.	Fits	Price
<b>203871</b>	19122	1/4" valve guide	<b>\$12.00</b>
<b>203938</b>	19151	5/16" valve guide	<b>\$10.10</b>



**Blade Balancer**

**Arnold** For checking the balance of the blade after sharpening. Allows for optimum cutting performance.

Stk.	Mfr.	Price
<b>942809</b>	SBB-102	<b>\$3.97</b>



**Clutch Wrench**

**Briggs & Stratton** Removes rewind starter clutches.

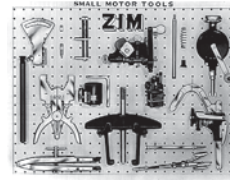
Stk.	Mfr.	Price
<b>204273</b>	19244	<b>\$9.58</b>



**Flywheel Pullers**

**Briggs & Stratton**

Stk.	Mfr.	Fits	Price
<b>203737</b>	19069	Small L-head engines to 6.5 HP & Europa	<b>\$15.10</b>
<b>204005</b>	19165	7-8 HP L-head engines & early 11 HP	<b>\$15.10</b>
<b>204139</b>	19203	Larger L-head & most OHV engines	<b>\$15.60</b>



**Small Motor Tool Panel Set**

**Zim**

**Includes** 19" x 25" panel, valve refacer, cylinder gauge, valve grinder, piston ring expander, vacuum cup, valve grinder, piston ring compressor, cylinder ridge reamer, piston groove cutter & cleaner, magnetic key inserter, valve spring compressor, gear puller & cylinder hone.

Stk.	Mfr.	Price
<b>987067</b>	SD-2	<b>\$288.00</b>



**Cylinder Gauge**

**Zim** Cylinder gauge for small engines, 1-3/4" to 3-1/4". May be preset to zero for checking small engines. Gauge, setter and 2 extension parts furnished in a plastic case with instructions. For Briggs & Stratton and other small engines.

Stk.	Mfr.	Price
<b>987469</b>	165	<b>\$110.00</b>



**Cylinder Hone Set**

**Lisle** Small cylinder hone for 1-3/4" to 2-3/4" cylinders. Stones are 3-1/2"L, assuring unusual accuracy. 3-Stone Set covers a full range of cylinder sizes and are easily changed. **Includes** 16410, 16420 & 16430, 180 grit stone sets & case.

Stk.	Mfr.	Item	Price
<b>503812</b>	16000		<b>\$220.00</b>

**Replacement Stone & Wiper Sets** 180 grit. 3-1/2"L. **Includes** 2 stones & 2 wipers.

Stk.	Mfr.	Price	
<b>503814</b>	16410	1.75" to 2.2" Cylinder Range	<b>\$22.60</b>
<b>503816</b>	16420	2.05" to 2.5" Cylinder Range	<b>\$22.60</b>
<b>503818</b>	16430	2.35" to 2.75" Cylinder Range	<b>\$22.60</b>



**Self-aligning Small Cylinder Hone**

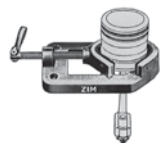
**Zim** Range 3/4" to 2-3/4". No adapters needed to change size. An adjustment controls pressure in any size cylinder. Flexible shaft allows you to hone cylinders without removing the engines. Complete w/honing stones.

Stk.	Mfr.	Length	Price
<b>988273</b>	540	7-3/4"	<b>\$23.90</b>

**Replacement Honing Stone Set**

Stk.	Mfr.	Price
<b>988340</b>	541	<b>\$6.67</b>





### Piston Vise

**Zim** Used to hold pistons, armatures or anything circular. Jaws lined with brake lining. Pistons cannot be scratched or injured. Piston range 2-1/2" x 5-1/2". New rings can be installed without removing the connecting rod.

Stk.	Mfr.	Price
<b>987860</b>	260	<b>\$72.50</b>



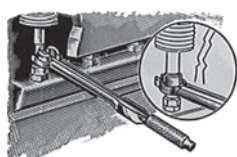
### Ridge Reamer

**Zim** Designed to cut clear across the ridge. Employs a tilting combination cutter and stop.

Stk.	Mfr.	Range	Price
<b>987871</b>	287	2"-3"	<b>\$48.60</b>

### Replacement Cutter

<b>987268</b>	P-70		<b>\$3.39</b>
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### Split Valve Spring Keeper Inserter

**Zim** Universal tool for inserting all sizes of split and horseshoe type keepers. 1 hand operation will work either straight in or on an angle. Steel construction.

Stk.	Mfr.	Price
<b>988608</b>	820	<b>\$8.79</b>

### Magnetic Key Inserters

**Zim**



For Briggs & Stratton engines. 1 end equipped with a permanent magnet for holding split valve locks. Other end is made to hold the locking pins used on some motors.

Stk.	Mfr.	Price
<b>988742</b>	842	<b>\$8.61</b>

For replacing split valve keys. Permanent magnets hold key snugly in the jaws of a pair of spring control levers on nonmagnetic stainless steel.

<b>988675</b>	840	<b>\$13.10</b>
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987938

### Valve Grinders

**Zim** Special valve grinding bit, small spring and small vacuum cup, plus small self-locking stems.



988005

Stk.	Mfr.	Price
<b>987938</b>	301S	<b>\$16.50</b>

### Replacement Cup For valve grinders.

Stk.	Mfr.	Price
<b>988072</b>	333	<b>\$1.23</b>

### Vacuum Cup Single cup grinder. 3/4" dia.

<b>988005</b>	311	<b>\$2.76</b>
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### Valve Lappers

**Lisle** Eliminate slippage with these valve lappers. The unique locking tab positively secures cups to sturdy, hardwood handles.

Stk.	Mfr.	Size	Price
<b>503833</b>	21100	1-1/8" & 1-3/8" dia. cups (for large valves)	<b>\$8.22</b>
<b>503835</b>	21200	5/8" & 13/16" dia. cups (for small valves)	<b>\$7.99</b>



### Valve Grinding Compound

**Briggs & Stratton** Aids valve grinding and seating operations to remove burrs, surface defects, carbon, gum and corrosion. Can be used for lapping and grinding chromium. For hardened steel seats or cast blocks. Use for hand or machine grinding. Mixes with water to form an easy-to-use paste.

**Includes** fine & coarse valve grinding compounds.

Stk.	Mfr.	Size	Qty.	Price
<b>228375</b>	94150	2 oz.	2	<b>\$24.60</b>



### Valve Spring Compressor

**Zim** For removing and replacing valve springs on Briggs & Stratton engines. Reaches into small recesses where valve springs and retaining washers are located. Arms, hinged together at one end, are practically parallel at the other. Cadmium-plated. Made entirely of steel.

Stk.	Mfr.	Price
<b>987402</b>	131	<b>\$18.10</b>



### Valve Spring Compressor Model 16750

**Lisle** Tool makes spring compression and keeper removal simple because it doesn't require removal of the head. Adjustable cam action. No need to readjust the tool after each spring.

Stk.	Mfr.	Price
<b>503822</b>	16750	<b>\$42.10</b>



### Small Valve Spring Compressor

**Lisle** For springs 3/4" to 1-1/16". Heavy-duty frame and screw for rigidity. 2 jaw sizes. Fits Briggs and Stratton, Clinton, Harley-Davidson, etc.

Stk.	Mfr.	Price
<b>503841</b>	23300	<b>\$24.00</b>



### Valve Lifter

**Zim** One-hand lightweight C-type lifter leaves the other hand free to handle the valve spring keepers. Ratchet locks automatically at any position. 9" throat with full opening. 9" to handle most cars and lighter trucks. Cold rolled steel frame, hardened jaws.

**Includes** 2 adjustable jaws sets.

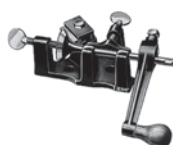
Stk.	Mfr.	Price
<b>987300</b>	116	<b>\$46.10</b>



### Valve Lifter & Spring Compressor

**Zim** The hand wheel is turned counterclockwise to compress and turned clockwise to lift a spring. No ratchet is needed. All steel except handle. Wearing parts are heat-treated.

Stk.	Mfr.	Price
<b>987335</b>	122	<b>\$20.00</b>



### Valve Refacer

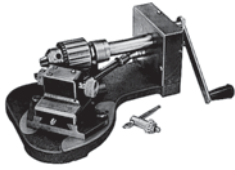
**Zim** Clamp directs the main spring into the machined V-block. Hold in a vise or screw to a bench.

**Includes** carbide cutter for small engine valves.

Stk.	Mfr.	Price
<b>988206</b>	516	<b>\$23.70</b>

### Replacement Cutter

<b>988139</b>	515	<b>\$11.10</b>
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### Refacing Lathe

**Zim** Hand operated lathe is compact, chatter and vibration proof. Handles 30°, 45° and 60° angle valves with up to 3/8" stems and valve heads to 2-1/4" dia. 2 universal joints are in the shaft. Feed is reversible and can cut in either direction. Base holes for work bench attachment. Lugs for use in vise.

**Includes** Jacobs chuck, carbide cutter & adjustable slide.

Stk.	Mfr.	Price
<b>988225</b>	525	<b>\$474.00</b>

### Replacement Cutter

<b>988228</b>	526	<b>\$25.10</b>
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### Deluxe Valve Refacer

**Kwik-Way** Fingertip control panel features valve counter, chuck speed control, separate switch positions for spindle and chuck motors, valve speed chart and machine maintenance chart.

- Precision 6-ball chuck (no collets to change)

- Self-aligning & accurate to 0.0005"
- Valve swivel plates adjust in 1° increments from 13° to 62°
- Grinding wheel is shielded by a protective housing
- Air-activated VS chuck to match the proper speed needed to grind a variety of valve material
  - 3-yr. mfr.'s limited warranty
- Self-contained 1 gal. coolant
  - Standard chuck capacity

Chuck capacity .1575" to .5625". Valve head capacity .75" to 4" dia. Stem 1.850"L. Valve wheel 7" dia. Surface wheel 3" dia. Spindle drive motor 1/2 HP. Chuck drive motor 1/12 HP gear drive. Coolant capacity 1 gal. Valve wheel speed 3,450 rpm/6,322 sfpm. Stem wheel speed 3,450 rpm/2,708 sfpm. VS chuck 100 to 300 rpm. Min. air requirement 65 psi. Tool size 37"L x 22"W x 16"H. Tool weight 330 lbs. (shipping).

**Includes** grinding wheel, 3 hex wrenches (1/8", 5/32" & 3/17"), 1 gal. grinding oil, chuck assembly tool, spanner wrench, diamond dressing tools for tip & face grinding, plus rocker arm attachment.

Stk.	Mfr.	Price
<b>500700</b>	012-0005-00	<b>\$9,240.00</b>

### Valve Grinding Wheel

Stk.	Mfr.	Price
<b>500680</b>	010-0709-00	<b>\$138.00</b>



### Neway Valve Seat Cutter Kit

**Briggs & Stratton** Tungsten carbide-bladed cutter set used to precisely machine multi-angle valve seats in all Briggs & Stratton engines (except 3L/C engines) in minutes.

**Includes** T-wrench, accessory kit, molded case & Cutter Bodies: 102 Cutter (1-5/16" dia. 31° x 46°), 103 Cutter (1-1/8" dia. 31° x 46°), 111 Cutter (1" dia. 60°), 124 Cutter (1-5/16" dia. 15° x 60°). Valve Guide Pilots: 100-1/4 solid pilot (1/4" dia.), 100-1/4+1 solid pilot (1/4" + .001" dia.), 100-9/32 solid pilot (9/32" dia.), 100-5/16 solid pilot (5/16" dia.), 100-5/16+1 solid pilot (5/16" + .001" dia.), 100-6.0 solid pilot (6.0mm dia.), 100-6.02 solid pilot (6.02mm dia.), 100-6.05 solid pilot (6.05mm dia.), 100-8.0 solid pilot (8.0mm).

Stk.	Mfr.	Price
<b>204332</b>	19547	<b>\$691.00</b>



### Valve Spring Remover for Overhead Valve Engines

**Zim** Lifts out valve keys and spring without taking off cylinder head. Quickly adjusts to fit any valve spring. 1-man operation is speedy and simple. Hardened jaws.

Stk.	Mfr.	Price
<b>987411</b>	140	<b>\$33.90</b>



### Ring Compressor

**Zim** Compressor takes all rings at once, including skirt rings. Self-locking, heavy-duty ratchet pawl prevents premature release. Tension band of high spring steel eliminates bottom flare. Approved for Briggs & Stratton and other small engines. 2" depth.

**Includes** wrench.

Stk.	Mfr.	Capacity	Price
<b>987670</b>	217	1/34"-3-1/2"	<b>\$9.41</b>



### Piston Ring Expanders

**Zim** For installing and removing piston rings without the danger of breaking or distorting. No adjustment needed. All rings expanded whether step cut or diagonal cut. Approved for Briggs & Stratton.

Stk.	Mfr.	Capacity	Price
<b>987603</b>	203	1-1/4"-2-1/4"	<b>\$12.00</b>
<b>987600</b>	201	2"-4"	<b>\$17.10</b>



### Piston Groove Cutter & Cleaner

**Zim** Designed for limiting the depth of cut. Side flanges for slotted pistons. 5 points for grooving and 1 for trimming lands on 1 blade. Spring-and-ball ratchet controls alignment of blade. Cutter is hardened and ground.

Stk.	Mfr.	Capacity	Price
<b>987804</b>	225A	2"-3"	<b>\$23.30</b>



### Piston Groove Cleaner

**Zim** Hardened cutter 5/64", 3/32", 1/8", 5/32" and 3/16". To change position of cutter, simply loosen the screw and turn, no wrench needed.

Stk.	Mfr.	Capacity	Price
<b>987737</b>	221	5-1/2"	<b>\$11.70</b>



### O-Ring & Seal Pick

**Lisle** Angled tips quickly remove and install O-rings and seals even in hard-to-reach places.

Tips are hardened to stay sharp. Knurled handle for a sure grip.

Stk.	Mfr.	Price
<b>503819</b>	31840	<b>\$6.57</b>



### Thread Repair Kits

**Heli-Coil** Inserts are precision-formed screw thread coils of stainless steel wire with a diamond-shaped cross section. When installed into Heli-Coil® tapped holes they provide permanent conventional 60° internal screw threads to fit any standard bolt or screw.

**Includes** 12 stainless steel inserts, tap & installation tool.

Stk.	Mfr.	Description	Price
<b>942755</b>	5521-4	1/4-20 Coarse	<b>\$35.90</b>
<b>942756</b>	5521-5	5/16-18 Coarse	<b>\$35.90</b>

## ENGINE TOOLS



### V-8 Engine Model

**Revell** See how an internal combustion engine works. As you turn the crank, each of the parts move, just like the real thing. Engine features moving pistons and connecting rods. A hand crank operates the pistons, camshaft rocker arms and valves.

A superb educational tool on the inner workings and construction of a V-8 engine. For ages 12+.

**Includes** rubber fan belt, vinyl ignition wires, display stand & screwdriver.

Stk.	Mfr.	Scale	Size	Parts	Price
<b>688700</b>	85-8883	1:4	12"L	314	<b>\$72.90</b>



### Valve Spring Compressor Model 16750

**Lisle** Tool makes spring compression and keeper removal simple because it doesn't require removal of the head. Adjustable cam action. No need to readjust the tool after each spring.

Stk.	Mfr.	Price
<b>503822</b>	16750	<b>\$42.10</b>



### Valve Spring Compressor Model 44300

**Lisle** High leverage valve spring compressor allows one-hand operation. Exceptionally strong, rigid frame works with nearly all valve-in head and L-head engines as well as truck and tractor engines.

Stk.	Mfr.	Price
<b>503869</b>	44300	<b>\$95.10</b>



### Piston Ring Groove Cleaner

**Lisle** Heavy coil spring holds cutter in groove for fast removal of carbon. Handles pistons from 2-3/4" to 5" dia. Groover includes 2 easy-to-set cutter wheels with the following sizes: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm and 2.00mm.

Stk.	Mfr.	Price
<b>503840</b>	24000	<b>\$26.60</b>



### Piston Ring Compressors

**Lisle** Spring clutch assures proper fit on the piston and positive locking action. Designed to eliminate ratchet problems.

Stk.	Mfr.	Capacity	Height	Price
<b>503831</b>	21000	3-1/2"-7"	7"	<b>\$37.10</b>
<b>503824</b>	19500	2-1/8"-5"	3-1/2"	<b>\$16.10</b>



### Take-apart Ring Compressor

**Lisle** Combines the spring clutch with take-apart feature necessary for Volkswagens, motorcycles, outboard motors, etc. Quick release provides easy removal from connecting rod. Can be used on conventional engines with narrow ring spacing.

Stk.	Mfr.	Capacity	Price
<b>503821</b>	19000	2-1/8"-5"	<b>\$18.60</b>



### Wrinkle Band Ring Compressor

**Lisle** Cuts friction in half. Rings slide in easily. The wrinkle band can't slide down into the cylinder. Cam operation so only 1 adjustment is needed for a set of pistons.

Stk.	Mfr.	Capacity	Price
<b>503837</b>	21700	3"-5"	<b>\$17.70</b>



### Piston Ring Installer

**Lisle** Tapered jaws remove and install most rings from 3/64" to 1/4" in passenger cars and light trucks. Reduces breakage of rings during installation.

Stk.	Mfr.	Price
<b>503858</b>	33500	<b>\$8.22</b>



### Ridge Reamer

**Lisle** Complete ridge removal with a few easy turns. Stabilizer spring allows operator to take a selective cut to minimize chatter. Spring-loaded carbide cutter follows cylinder contour. Offset jaws assure rigidity throughout the range. Range 2-11/16" to 5-5/16".

Stk.	Mfr.	Price
<b>503922</b>	36500	<b>\$72.20</b>

### Replacement Cutter

<b>503923</b>	36510	<b>\$14.70</b>
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### Stone-Type Glaze Breaker

**Lisle** Controlled pressure assures positive, adjustable contact through full 2"-7" range. Stone arms are easily compressed to eliminate cylinder scratches. Operates with any electric drill.

**Includes** three 220 grit stones.

Stk.	Mfr.	Length	Qty.	Price
<b>503823</b>	23500	3"		<b>\$32.10</b>

### Replacement Stones

<b>503820</b>	23520		3	<b>\$9.09</b>
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### Dual Drive Oxygen Sensor Wrench

**Lisle** Use with 1/2" breaker bar to loosen stubborn oxygen sensors. Use a 3/8" ratchet on top for fast removal and installation. Fits oxygen sensors with a heat shield. Slotted body allows clearance for wire harnesses. Forged, heat-treated steel with 6-point design withstands high torque removal applications.

**Includes** 1/2" & 3/8" drive.

Stk.	Mfr.	Price
<b>503753</b>	12390	<b>\$26.10</b>



### Serpentine Belt Tools

**Lisle** Releases tension on serpentine belts with a spring-loaded idler pulley. Reaches where conventional ratchets and breaker bars won't. Use to remove and install belts on most domestic and some import vehicles. Extension bars are for hard-to-reach areas.

**Includes** handle assembly, extension & 8 sockets (13-16mm, 18-19mm & 3/8" & 1/2" sq. dr.).

**Ratcheting Tool** Freewheel position for max. leverage or locks in ratcheting mode. Extension w/13 & 16mm socket drive holes.

Stk.	Mfr.	Price
<b>503904</b>	59000	<b>\$86.30</b>

**Standard Tool** Handle & extension w/13 & 16mm socket drive holes.

<b>503795</b>	59800	<b>\$69.20</b>
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### Standard Clutch Alignment Tool

**Lisle** For faster, easier replacement of clutches. Align clutch plates and pilot bearings accurately. Shaft and bushings provide an accurate fit for 8 pilot bearing sizes. 2 turned sizes (1" & 1-1/8")

fit 90% of the clutch plates and cone handles the rest.

Stk.	Mfr.	Price
<b>503887</b>	55500	<b>\$29.60</b>



### Universal Camshaft Bearing Tool

**Lisle** Will remove or insert camshaft bearings in nearly all engines from compact cars to heavy trucks. Range 1.125" to 2.69". The expander has a neoprene sleeve over which the split driving plugs are mounted and expanded to size. Includes 2 sets of rubber sleeves for driving thin wall bearings (.065") and thick wall bearings (.090").

**Includes** driving shaft, driving shaft extension, expander unit, 5 split driving plugs, 2 driving collars, centering cone, molded case & instructions.

Stk.	Mfr.	Price
<b>503825</b>	18000	<b>\$209.00</b>

## FEELER GAUGES, SPARK PLUGS & TOOLS



### Nonmagnetic 6 Blade Feeler Gauge Set

**Lisle** Brass precision blades are nonmagnetic, for use in adjusting reductor air gap on electronic ignition systems.

Blades (in inches): .006, .008, .010, .012, .014, .016.

Stk.	Mfr.	Size	Blades	Price
<b>503912</b>	68200	1/2"W x 3"L	.006-.016	<b>\$5.02</b>



### 12 Blade Feeler Gauge Set w/Spark Plug Gapper

**Lisle** Six spark plug gap wires, electrode bending tool and 12 steel blades. Precision wires and blades for doing both spark plug and ignition system settings.

Blades (in inches): .010, .012, .015, .016, .017, .018, .019, .020, .022, .024, .025, .026.

Gap wire sizes (in inches): .025, .030, .034, .035, .040, .045.

Stk.	Mfr.	Size	Blades	Price
<b>503906</b>	67850	1/2"W x 3-1/2"L	.010-.026	<b>\$8.70</b>



### 15 Blade Feeler Gauge Set

**Lisle** Precision blades and 2" steel rule ensure accurate measurements.

Blades (in inches): .002, .003, .004, .005, .006, .008, .011, .012, .013, .014, .016, .018, .020, .022, .025.

Stk.	Mfr.	Size	Blades	Price
<b>503910</b>	67950	1/2"W x 3-1/2"L	.002-.025	<b>\$6.24</b>

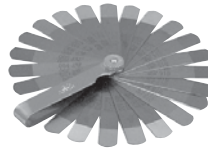


### 16 Mini-blade Feeler Gauge Set

**Lisle** Mini feeler gauge has precision steel blades to ensure accurate measurements.

Blades (in inches): .010, .012, .013, .015, .016, .017, .018, .020, .022, .024, .025, .026, .028, .030, .032, .035.

Stk.	Mfr.	Size	Blades	Price
<b>503911</b>	68000	1/4"W x 1-3/4"L	.010-.035	<b>\$5.93</b>



### 22 Blade Feeler Gauge Set

**Lisle** Precision stepped blades have a .002" step for accurate settings.

Blades (in inches): .004/.006, .005/.007, .006/.008, .007/.009, .008/.010, .009/.011, .010/.012, .011/.013, .012/.014, .013/.015, .014/.016,

.015/.017, .016/.018, .017/.019, .018/.020, .019/.021, .020/.022, .021/.023, .022/.024, .023/.025, .024/.026, .025/.027.

Stk.	Mfr.	Size	Blades	Price
<b>503920</b>	68150	1/2"W x 3-1/4"L	.004-.027	<b>\$13.20</b>



### 25 Mini-blade Feeler Gauge Set

**Proto** Master gauge set is etched in thousandths and nearest metric equivalent.

Blades (in inches): .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .020, .022, .025, .030, .032, .035, .040.

Stk.	Mfr.	Size	Blades	Price
<b>894201</b>	000AA	1/2"W x 3-3/16"L	.0015-.040	<b>\$17.40</b>

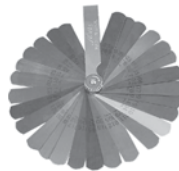


### 26 Blade Feeler Gauge Set

**General** High-grade precision gauge steel blades etched in thousandths. Conforms to GGG-G-17b.

Blades (in inches): .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025.

Stk.	Mfr.	Blades	Price
<b>417975</b>	226	.0015-.025	<b>\$25.10</b>



### 31 Blade Feeler Gauge Set

**Lisle** Deluxe-grade precision gauge steel blades.

Blades (in inches): .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025, .026, .028, .030, .032, .035.

**Includes** .010" brass blade.

Stk.	Mfr.	Size	Blades	Price
<b>503924</b>	68100	1/2"W x 3-1/2"L	.0015-.035	<b>\$9.66</b>



### Spark Plugs

**Champion** Small engine/lawn and garden spark plug.

Stk.	Mfr.	Type	Price
<b>942879</b>	8411	J8C	<b>\$3.43</b>
<b>942807</b>	8431	CJ8	<b>\$3.41</b>
<b>942808</b>	8451	J17LM	<b>\$3.39</b>
<b>942670</b>	4311	RC14YC	<b>\$3.29</b>
<b>942671</b>	8681	RJ19LM	<b>\$3.89</b>



### Standard Spark Plug Gapper

**Lisle** Sizes include .025", .030", .034", .035", .040", .045".

Stk.	Mfr.	Price
<b>503908</b>	67800	<b>\$3.00</b>



### Spark Plug Gauge & Gapper

**Lisle** Gauges and gaps all types of spark plugs from .020" to .100" (.50mm to 2.53mm). Tapered edge for gauging spark plugs. Specially designed hole with flange adjusts side wire of plug without pressuring center electrode.

Stk.	Mfr.	Price
<b>503794</b>	67870	<b>\$2.79</b>



### Electronic Ignition Spark Plug Gapper

**Lisle** Sizes include .035", .040", .044", .045", .048", .050", .060", .080".

Stk.	Mfr.	Price
<b>503894</b>	67900	<b>\$4.00</b>



### Adjustable Spark Plug Wire Pullers

**Lisle** Plier jaws adjust to 5 different positions allowing easier access to spark plug boots.

Cushioned jaws grip the boot straight on or from the side. Plastic handle grips help prevent shock.

Stk.	Mfr.	Price
<b>503880</b>	51750	<b>\$30.10</b>



### Spark Plug Hole Thread Chaser

**Lisle** Double ended for 14mm & 18mm threads. Cleans threads in spark plug hole. Use with 13/16" spark plug socket.

Stk.	Mfr.	Price
<b>503832</b>	20200	<b>\$8.22</b>



### Spark Plug Wire Tester

**Lisle** Check spark plug wires without piercing the wires. Light flashes indicating a sound wire.

Stk.	Mfr.	Price
<b>503846</b>	26900	<b>\$11.40</b>



### Spark Indicator

**Lisle** Tests spark plugs, spark plug wires and coils without puncturing the wire.

Stk.	Mfr.	Price
<b>503834</b>	19380	<b>\$10.50</b>



### Spark Plug Wire Puller

**Lisle** Puller provides quick and easy removal of spark plug wires without damaging the wire or rubber boots. Nylon construction.

Stk.	Mfr.	Price
<b>503878</b>	51500	<b>\$4.33</b>

## SCRAPERS



### Gasket & Carbon Scraper

**Proto** Gasket and carbon scraper has chrome-plated alloy steel blade with fire-resistant handle.

Stk.	Mfr.	Size	Price
<b>909611</b>	2336	12"L x 1-1/2"W	<b>\$23.60</b>



### Gasket Scraper

**Lisle** Heavy-duty scraper with sharp, hardened steel blades remove carbon, old gasket material, adhesives, sludge and other hard to clean

substances from blocks, heads, etc. Tool will hold single edge razor blade for bumper stickers and decals.

**Includes** 3 blades (1", 1-1/2" & 2" widths).

Stk.	Mfr.	Size	Price
<b>503877</b>	51000	8"L	<b>\$16.60</b>

### Replacement Blades 6/pkg.

Stk.	Mfr.	Size	Price
<b>503879</b>	51120	1"W	<b>\$4.09</b>
<b>503881</b>	51130	1-1/2"W	<b>\$5.84</b>
<b>503883</b>	51140	2"W	<b>\$6.36</b>

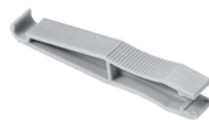
## PULLERS



### Electrical Connector Separator

**Lisle** Quickly disconnects electrical connectors without damage. Tool is double-ended to fit different access angles.

Stk.	Mfr.	Length	Price
<b>503926</b>	13120	7-5/8"	<b>\$11.10</b>



### Tri Fuse Puller

**Littlefuse** Molded design provides a natural grip when pulling fuses. Removes all glass and blade fuses, including miniature fuses.

Stk.	Mfr.	Price
<b>943284</b>	097023	<b>\$4.68</b>



### Plastic Fuse Puller

**Gardner Bender** Tough, insulated fuse puller for 100-200 amp and 600V fuses. Puller adjusts to accommodate switch and fuse clips.

Stk.	Mfr.	Price
<b>416590</b>	FPE-20	<b>\$5.06</b>



### Cotter Pin Puller

**General** Ideal for use in confined work areas.

Compound bend design allows user to extract cotter pins with a pull or twist motion. Heavy-duty plastic handle with comfort grip.

Stk.	Mfr.	Length	Price
<b>417482</b>	64	7-1/2"	<b>\$9.53</b>



### Hose Remover Set

**Lisle** Removes hoses, moldings, clips, clamps, seals, o-rings, cotter pins, gaskets, etc. Long pullers are 13"L. Handles are dual durometer material for comfort and grip. Rods are heat-treated and plated.

**Includes** short & long hose removers, short & long offset removers & short double offset hose remover.

Stk.	Mfr.	Price
<b>503914</b>	80380	<b>\$40.90</b>



### Mini Hook & Pick Set

**GEARWRENCH** Tools with unique shapes can leverage or pull parts, springs, cotter pins, etc. Mfr.'s lifetime warranty.

**Includes** 3-1/8" full hook, 3-1/8" 90° full hook, 3-1/8" straight hook & 3-1/8" offset hook.

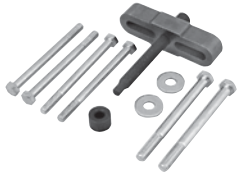
Stk.	Mfr.	Price
<b>433550</b>	84040	<b>\$20.40</b>



### Seal Puller

**Lisle** For oil and grease seals. Insert the tip of the tool behind the seal, press and pull. 2 tip sizes reach in and fit nearly all seal applications.

Stk.	Mfr.	Length	Price
<b>503891</b>	56750	12-1/2"	<b>\$11.60</b>



### Steering Wheel Puller

**Lisle** Universal steering wheel puller for most makes and models. Screw pad protects end of steering shaft. Heavy-duty for long wear.

Stk.	Mfr.	Price
<b>503871</b>	45000	<b>\$23.10</b>



### Harmonic Balancer Puller

**Lisle** Tool helps stop damage to pulley and shaft. Eases the operation of pulling the balancer pulley.

**Includes** body, puller screw, tip assembly, 3 washers, two 3/8"-16 x 3" bolts, three 5/16"-18 x 3" bolts & three 3/8"-24 x 3" bolts.

Stk.	Mfr.	Price
<b>503873</b>	45500	<b>\$32.10</b>



### Harmonic Balancer Puller Set

**Lisle** Updated jaw design on damper puller provides greater strength. Clevis pins allow jaws to be quickly removed and replaced. Removes most automotive harmonic balancers.

**Includes** standard harmonic balancer puller, pulling screws & adapters (for 3300 & 3800

GM V6 engines) & updated harmonic damper pulley puller (for Chrysler, GM, Mitsubishi & Dodge), case.

Stk.	Mfr.	Price
<b>503811</b>	51700	<b>\$159.00</b>



### Bearing Puller

**OEM** For removing flywheel pilot bearings with a slide hammer similarly threaded 5/8" x 18 or 3/4" x 16. Also useful to pull bearings and bushings on motors, generators and starters. 5-7/8" long.

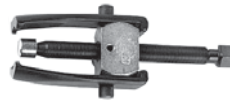
Stk.	Mfr.	Capacity	Price
<b>281200</b>	27059	1 1/16" - 1-1/4"	<b>\$21.10</b>



### Bearing Splitter

**OTC** Knife-like edges easily place behind the part to secure a gripping surface, even when clearances are extremely limited. Used with OTC's Grip-O-Matic® puller (puller jaws grip attachment's outer edge), or with a Push-Puller (puller legs are threaded into the attachment's 2 tapped holes).

Stk.	Mfr.	Capacity	Price
<b>693292</b>	1122	1/8" - 2"	<b>\$48.60</b>
<b>693294</b>	1123	1/2" - 4-5/8"	<b>\$89.80</b>



### Power Steering & Alternator Pulley Puller

**OEM** Safely removes pressed-on 1 or 2-groove pulleys from alternators and power steering pumps. Fits most large and small pulleys in domestic and imported cars. Features rigid drop-forged jaws, solid block body and a fine thread screw for easy pulling.

Stk.	Mfr.	Price
<b>281180</b>	25190	<b>\$29.20</b>



### Reversible Jaw Slide Hammer Puller

**Proto** Versatile tool for pulling jobs involving gears, bearings, outer races, grease retainers, oil seals, etc. Use 2 or 3 puller jaws for inside jobs such as bearing cups and outer races.

- 5 lb. slide hammer - removable for independent use
- 2 jaw capacity - inside 1-1/4" to 3-1/2", outside 1" to 4-1/2"
- 3 jaw capacity - 1-1/2" to 4-1/4", outside 1-1/2" to 4-1/2"

Stk.	Mfr.	Length	Price
<b>924030</b>	5049	27"	<b>\$166.00</b>



### Silver Slapper 8-Way Slide Hammer Puller Set

**OTC** For pulling flange-type rear axles, stubborn oil seals and bearings, and other press-fit parts. Jaws can be set up for 2- or 3-way internal or external pulling jobs.

**Includes** 5 lb. slide hammer puller, rear axle pulling attachment, 3-way cross-head, dent puller attachment, 2-way cross-block, puller hook attachment, 3 pulling jaws for internal or external pulling jobs, cone & grip wrench adapter w/single lead (wrench sold separately).

Stk.	Mfr.	Price
<b>693293</b>	1179	<b>\$163.00</b>



### Multipurpose Puller Set

**OTC** Assortment of puller tools provides a wide range of job versatility.

- 5 lb. slide hammer puller w/2- & 3-way reversible heads (2 or 3 jaws for inside & outside pulling jobs)
- Front hub puller for servicing front-wheel-drive cars (has spare locknut for use w/No. 1177 slide hammer for rear axle flanges)
- 2-ton combination, 2- or 3-jaw Grip-O-Matic® puller (3-3/8" reach, 4-3/4" spread)
- 5-ton combination 2- or 3-jaw Grip-O-Matic® puller (5-1/2" reach, 7" spread)
- Bar-type gear & pulley puller with 5-1/2"L screw & 2 hex head cap screws (3/8"-16" x 3"L, 1-1/2" to 4-1/4" spread)
- Bearing pulling attachment (use w/No. 1027 & 7393 pullers for 1/8" to 2" spread)

**Includes** 5 lb. hammer puller, hub puller, 2 sizes of OTC Grip-O-Matic jaw-type pullers, a bearing pulling attachment, cross-bar gear, pulley puller & molded case.

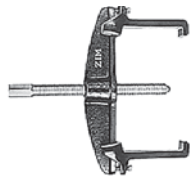
Stk.	Mfr.	Price
<b>693295</b>	1181	<b>\$439.00</b>



### Pitman Arm Pullers For Cars & Trucks

**Lisle** Designed to work on even the most stubborn Pitman arm pulling jobs. Body is drop-forged and heat-treated for strength. 4-1/4" length, 1-5/16" jaw opening.

Stk.	Mfr.	Price
<b>503921</b>	41900	<b>\$33.10</b>



### Gear Puller

**Zim** Takes dia. up to 6". Equipped with 1 pair of 3" arms. Crossbeam made of malleable iron. Jaws are made of drop-forged steel. For timing gears, pump shaft and magneto gears, generator and starter repairs.

Stk.	Mfr.	Price
<b>988407</b>	601	<b>\$35.00</b>



### 5-Ton, 2 Jaw Grip-O-Matic Parts Puller

**OTC** Mechanical puller removes and installs parts for fast, effective repairs. Forged from quality steel and heat treated. Reversible jaws. Exceeds rated capacity testing.

Stk.	Mfr.	Max. Reach	Spread Capacity	Price
<b>693291</b>	1024	3-1/4"	6"	<b>\$48.60</b>



### Gear Pullers

**Proto** Toggle type pullers incorporate an automatic grip tightening

feature. They provide the means and power to pull gears, flywheels, pulleys and other parts where it is necessary to apply the arms between spokes and where no other puller can be applied. Pullers adjust and reverse using 3 parts: link with locking pin; link with 2 grooved pins and the jaw. Pullers have fewer parts, including pins which are pressed into the link. Forcing screws are forged from alloy steel and heat-treated.

### 2 Jaw Puller

Stk.	Mfr.	Spread	Reach	Capacity	Price
<b>913970</b>	4033	4"	3-1/2"	2 Ton	<b>\$54.90</b>

### 3 Jaw Puller

<b>913974</b>	4038	11"	9"	7 Ton	<b>\$176.00</b>
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### 3 Jaw Reversible Puller

<b>913989</b>	4046	7"	5-1/2"	5 Ton	<b>\$107.00</b>
<b>913990</b>	4047	10"	5-1/2"	7 Ton	<b>\$170.00</b>



### Pitman Arm Wedge

**OEM** Easily removes Pitman arms. Insert wedge between the parts to be separated and hammer the end, breaking the parts free. Forged and heat-treated.

Stk.	Mfr.	Opening	Price
<b>281190</b>	27021	1-1/8"	<b>\$16.20</b>



### Ball Joint Separator

**OEM** Separates stubborn ball joints from the steering knuckle. Insert tool between parts to be separated and hammer the end to break parts free. Makes replacement and disassembly of front suspensions and steering components easy. Forged, heat-treated wedged ends.

Stk.	Mfr.	Opening	Price
<b>281188</b>	25202	15/16"	<b>\$12.30</b>



### Tie Rod End Puller

**OEM** Separates tie rod ends from the steering knuckles, idler arms and Pitman arms. Prevents damage to steering components. Heavy-duty alloy steel. Tapered fork wedge ends. 11-7/8"L.

Stk.	Mfr.	Opening	Price
<b>281185</b>	25201	21/32"	<b>\$14.90</b>

## SUSPENSION



### Inner Tie Rod Tool

**Lisle** Inner tie rod end sockets with a complete hex on the full length of the socket. The rounded socket ends prevent access to the wrench flats. Tool utilizes 6 crows feet (1-7/16", 1-3/16", 1-1/4", 1-5/16", 1-1/2", 33.6 mm) to engage wrench flats. Long socket slips over tie

rod end and connects to the crows foot. Inner tie rod can be removed and installed without removing the rack.

Stk.	Mfr.	Price
<b>503870</b>	45750	<b>\$102.00</b>



### Universal Inner Tie Rod Tool

**Mayhew** Used to remove & mount inner tie rods on vehicles. Fits 35-45mm tie rods with no

additional interchangeable adapters. For use on round, hexagonal & octagonal tie rods. Extended shaft and narrow profile allows for use in hard-to-reach and confined spaces.

Stk.	Mfr.	Length	Price
<b>528600</b>	29910	16-1/2"	<b>\$156.00</b>



### Suspension Strut Tool

**Lisle** Heavy duty clamps and bolts safely and securely hold spring during operation. Fits all strut spring sizes, import and domestic.

Stk.	Mfr.	Price
<b>503902</b>	62300	<b>\$79.20</b>

## 4-WD & FWD TOOLS



### 4-WD Bearing Locknut Tools

**Lisle** 1/2" drive. Not for use with impact wrenches.

**For 4- & 6-Slot Applications** Ford (3/4 ton) 1978 to present GM (3/4 & 1 ton) 1973-1981.

Stk.	Mfr.	Price
<b>503849</b>	27400	<b>\$32.10</b>

**For 4-Slot Applications** Chevrolet, GMC (1/2 ton) 1960 to present, Blazer, Scout, Bronco 1966 to present, Ford F-100 & F-250 1959 to present, Dodge, International (1/2 ton) 1969 to present.

Stk.	Mfr.	Price
<b>503847</b>	27250	<b>\$23.60</b>

## CVTOOLS



### CV Joint Banding Tool

**Lisle** For all CV joints using Band-It® and Band-It Jr.® type boot bands. Use 5/8" socket or wrench to wind and crimp new band on boot. Tool is easily disengaged from the band after tightening.

Stk.	Mfr.	Price
<b>503735</b>	30950	<b>\$12.60</b>

## EXHAUST TOOLS



### Exhaust/Strut Cut-off Tool

**Lisle** Cut-off tool has 4 knife-edged cutting wheels that cut quickly and cleanly. Can be operated with 1 hand. Less than 1/3 of a turn cuts all the way around the pipe. Unique design allows tool to "shift" to make out-of-round cut.

Big 1-3/8" to 2-1/2" range.

Stk.	Mfr.	Price
503851	31500	\$37.20



### Tailpipe Expanders

**Lisle** Expanders remove grooves and round out pipes. 2 sizes fit most pipes. Use with wrench or impact tool.

Stk.	Mfr.	Size	Price
503853	32500	1-5/8" - 2-7/16"	\$44.10
503855	32750	2-3/8" - 3-1/4"	\$70.20



### Heavy-duty Muffler Clamps

**Nickson** Heavy-duty clamp.

Stk.	Mfr.	Size	Price
942686	MA517178	1-7/8"	\$2.78
942687	MA517200	2"	\$2.78
942688	MA517214	2-1/4"	\$2.98

## RADIATOR TOOLS



### Hose Clamp Pliers

**CHAN NEL LOCK**

High-carbon, drop-forged steel pliers with wire cutter. PermaLock® fastener eliminates nut and bolt failures. Comfort grips.

Stk.	Mfr.	Length	Price
301498	558	8"	\$25.30



### Ratcheting Hose Clamp Pliers

**Zim** Remove and install small or large hose clamps quickly and easily. Jaws swivel to hold clamps at any angle. Double V-slots in each jaw.

Reduce the effort necessary to spread the wire form and lock the pliers at any given point of expansion with the special-designed ratchet. Heat-treated for hardness and durability.

Stk.	Mfr.	Length	Price
988809	970	8-1/2"	\$13.60



### Radiator Petcock Wrench Set

**Lisle** Open and close petcocks in radiators and any petcock that the wrench will fit. Works on most import and domestic vehicles. Made of 3/4" hex steel with black oxide finish. Can be used with a standard socket or open or boxed

end wrenches. Knurled end provides solid grip when used with fingers.

**Includes** long & short petcock wrench, plus vinyl pouch.

Stk.	Mfr.	Price
503945	60450	\$18.50



### Antifreeze Coolant Tester

**Prestone** Quick, professional tester for freeze and boil-over protection. Allows inspection for rust and sediment.

Stk.	Mfr.	Price
942899	00469	\$7.03

## AUTO CREEPERS & STOOLS



### Plastic Low Profile Creeper

**Lisle** Plastic body-fitting creeper features optimal comfort with a 7/8" floor clearance. Urethane rollers are inserted into steel bushings providing superior strength and easy roller replacement. Easy-to-clean surface is resistant

to solvent, grease and fuel. Red.

Stk.	Mfr.	Size	Price
503934	92102	38"L x 17-1/2"W x 4"H	\$90.80



### Tubular Steel Low Profile Creeper

**Lisle** 36" tubular steel frame. High-quality 1/2" plywood bed. 2" ball bearing wheels for a smooth, easy glide.

Stk.	Mfr.	Size	Price
503938	96102	36"L x 17"W	\$77.50



### Padded Low Profile Creeper

**Lisle** Fully-padded creeper on a 42" tubular steel frame. Heavy-duty vinyl pad offers maximum comfort. 2" ball bearing wheels for a smooth, easy glide.

Stk.	Mfr.	Size	Price
503937	96302	42"L x 17"W	\$93.80



### Creeper Seat/Step

**Lisle** 300 lb. capacity ergo-design creeper can be rotated onto rubber feet to make a 14"H step. Tubular steel legs have outrigger design for extra stability. Spacious storage tray below seat keeps tools, test equipment and parts within easy reach. Perfect for brake service, body work, tire service and wheel balancing. 2" ball bearing wheels glide smoothly.

Stk.	Mfr.	Size	Price
503943	93402	21"L x 15"W x 17"H	\$158.00

## INSPECTION & RETRIEVING TOOLS



### Mechanical Pickup Tool

**General** Strong 4-prong steel jaws retrieve small items from hard-to-reach places. Fully flexible with a 24" reach.

Stk.	Mfr.	Length	Price
418756	396	24"	\$9.44

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## GREASE GUNS & SUPPLIES



### Straight Magnetic Pickup Tool

**Lisle** Will retrieve parts and tools from hard to reach places. Magnet is shielded to concentrate magnetic field. Super strong neodymium magnet and extends from 14-1/2" to 23-1/4".

Stk.	Mfr.	Length	Price
<b>503852</b>	31000	14-1/2" - 23-1/4"	<b>\$15.20</b>



### Flex-O-Stiff Magnetic Pickup Tool

**General** Magnetic pickup tool has an 18" flexible or stiff pickup, with an extra long 32" retriever, by simply reversing the stiff wire section and threading it into the handle. Lifts up to 2 lbs.

Stk.	Mfr.	Length	Price
<b>418675</b>	384N	32"	<b>\$12.90</b>



### Flexible Magnetic Pickup Tool

**General** For retrieving steel parts in hard-to-reach spots. Magnet is 6x more powerful than a cobalt magnet of the same size and density. Knurled aluminum body has flexible 15" wire. 20"L. Lifts up to 2 lbs.

Stk.	Mfr.	Length	Price
<b>418755</b>	395	20"	<b>\$8.91</b>



### Pocket-size Magnetic Pickup Tool

**General** Handy for retrieving screws, bolts, metal shavings, wrenches and other tools. High-powered Neodymium magnet offers a 2 lb. pull. 5-1/2"L lightweight knurled aluminum body with a pocket clip.

Stk.	Mfr.	Length	Price
<b>418743</b>	386	5-1/2"	<b>\$7.00</b>



### Inspection Mirrors

**General** Mirrors allow inspection of inaccessible workpieces and machines. Fully-polished mirrors enclosed in plated holders and attached to knurled handles with ball and socket joints. 557 offers telescoping arm and vinyl cushion-grip handle.

Stk.	Mfr.	Length	Dia.	Price
<b>418960</b>	555	8"	1-1/4"	<b>\$8.87</b>
<b>418962</b>	557	10-1/2" - 15"	2-1/4"	<b>\$12.10</b>



### Magnet & Mirror Inspection Retrieval Kit

**Mayhew** Telescoping w/changeable heads Stainless steel shaft ABS handle w/cushion grip 360° swivel.

**Includes** 14 lb. capacity telescoping magnet w/swivel head & telescoping acrylic 1-3/4" x

2-1/2" mirror w/swivel head.

Stk.	Mfr.	Length	Dia.	Price
<b>528605</b>	17705	7-1/2" - 32"L	1-3/4" x 2-1/2"	<b>\$42.40</b>



### Mechanic's Stethoscope

**Lisle** Unique sound chamber and super thin diaphragm greatly amplify sounds. Quickly pinpoints the source of noises in engines, transmissions, differentials and bearings.

Stk.	Mfr.	Price
<b>503882</b>	52500	<b>\$19.60</b>



### Pistol-grip Grease Gun

**Plews** Two-way loading with either 14 oz. cartridge or suction bulk. Delivers up to 5,000 psi.

**Includes** 3-1/2" grease pipe & coupler.

Stk.	Mfr.	Length	Price
<b>617140</b>	30-300	3-1/2"	<b>\$22.40</b>



### Lever-action Grease Gun

**Plews** 10,000 psi, electronically-coated gun.

Stk.	Mfr.	Price
<b>942968</b>	30-200	<b>\$19.20</b>



### Suction Grease Gun

**Lubrimatic** Designed for draining and filling noncorrosive liquids. Barrel holds approximately 1 pint with 9" stroke. 12" plastic hose. Durable corrosion resistant finish.

Stk.	Mfr.	Price
<b>942970</b>	30-118	<b>\$19.10</b>



### Lithium Grease Cartridge

**Warren** Multi-purpose grease provides outstanding lubrication and protection in a wide range of temperatures, operating conditions and applications. Made of fine quality base oils, lithium, 12 hydroxy-stearic acid and additive systems.

Stk.	Mfr.	Size	Price
<b>942662</b>	MG610014	14 oz.	<b>\$4.40</b>



### Flexible Grease Gun Hose

**Plews** Flexible hose for hand-operated grease guns. 1/8" NPT male threads (both ends), working pressure 3,000 psi, burst pressure 12,000 psi.

Stk.	Mfr.	Length	Price
<b>942973</b>	10219	18"	<b>\$11.20</b>



### Universal Bearing Packer

**Lisle** Fast, efficient and thorough bearing packer. Place the bearing between the plastic cones, tighten and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease.

Stk.	Mfr.	Price
<b>503905</b>	65250	<b>\$11.40</b>



### Handy Packer Bearing Packer

**Lisle** Quickly flush out old grease and repack bearings with less mess. Grease stays in the tool cavity, keeping hands clean. To pack, place unit on the piston, press down on the cap until the old grease is forced out and replaced by new grease.

Stk.	Mfr.	Size	Price
<b>503862</b>	34550	Up to 3-1/2" O.D.	<b>\$27.60</b>



### Premium Wheel Bearing Grease

**Pennzoil** High-performance grease providing high-temp protection and resistance to water washout. Extreme-pressure properties and high dropping point. Use for vehicles with disc brake and ABS systems. Ideal for chassis lubrication. Premium red color. Exceeds NIGI GC-LB specification.

Stk.	Mfr.	Size	Price
<b>943202</b>	7771	16 oz.	<b>\$7.80</b>



### Bearing Race & Seal Driver

**Lisle** For inserting bearing race straight on the first try. Helps reduce damage to both race and axle housing. 6 disc sizes (1.565", 1.775",

1.965", 2.325", 2.470" and 2.555") fit most standard bearing race sizes. Turn discs over to drive seals.

Stk.	Mfr.	Price
<b>503804</b>	12600	<b>\$39.10</b>

## FUNNELS



### Polyethylene Funnel

**Little Giant** Heavy-duty, corrosion-proof polyethylene plastic funnel for use with any chemical. Rust-proof funnel made of heavy-gauge construction with brass filtering screen and hang hole.

Stk.	Mfr.	Size	Price
<b>942934</b>	100021	6 Qt.	<b>\$8.24</b>



### Polyethylene Funnel

**Blitz** Made of durable high-density polyethylene.

Stk.	Mfr.	Size	Price
<b>942932</b>	05015	8 oz.	<b>\$1.47</b>
<b>943159</b>	05007	16 oz.	<b>\$1.43</b>
<b>943245</b>	05064	2 qt.	<b>\$1.86</b>



### Transmission Funnel

**Blitz** Perfect for hard-to-reach jobs, funnel aids in the delivery of transmission fluid and adjusts to any angle. Tough high-density polyethylene.

Stk.	Mfr.	Price
<b>942931</b>	06064	<b>\$2.88</b>



### Threaded Oil / Transmission Funnel

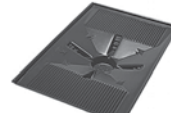
**Lisle** Use 2-piece funnel separately or threaded together for a longer funnel. Larger section screws into threaded oil filler openings (found on many Ford pickups & Dodge, Jeep & Chrysler cars mini vans & SUVs, also works on some Honda, Acura & Nissan vehicles) to keep the funnel upright for quick, mess-free oil fills.

Smaller funnel's diameter is narrow enough to fit transmission filler holes.

Stk.	Mfr.	Price
<b>503733</b>	19802	<b>\$7.74</b>



**503747**



**503748**

### Transmission Drain Funnel

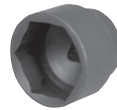
**Lisle** Heavy-duty funnel extends the catch area of any lift drain to catch loose parts. Flexible funnel returns to its original shape if run over.

Stk.	Mfr.	Size	Price
<b>503747</b>	17892	22" x 23"	<b>\$39.00</b>

**Super Transmission Funnel w/fluted edges** Fits Ford E 40D & can be used for draining oil filters.

Stk.	Mfr.	Size	Price
<b>503748</b>	17902	22" x 36"	<b>\$59.90</b>

## OIL CHANGING TOOLS & SUPPLIES



### Filter Wrench

**Lisle** Low profile 1-1/4" socket removes and installs oil filters on 2.2L GM Ecotec engines. Not for use with impact wrench. 3/8" drive.

Stk.	Mfr.	Price
<b>503936</b>	14700	<b>\$10.50</b>



### End Cap Oil Filter Wrench Set

**Lisle** For use on most domestic and import vehicles. Wrenches have been improved by adding welds to hold a steel disc to the top of the wrench in addition to spots welds which will greatly increase its strength.

**Includes** 1 ea. of 65mm - 14 Flute, 65/67mm - 14 flutes, 68mm - 14 flutes, 74/76mm - 15 flutes, 76mm - 14 flutes, 76mm - 30 flutes, 80mm - 15 flutes, 86mm - 16 flutes, 93mm - 15 flutes, 93mm - 36 flutes, plus molded case.

Stk.	Mfr.	Price
<b>503944</b>	61450	<b>\$79.20</b>



### Oil Lift Drain

**Lisle** Drain with quick-release lock ring has specially-shaped jug that holds 8 gal. Hot oil won't warp reinforced base. Wide working range from 36.5" to 74". Lower center of gravity for increased stability and four 2.5" ball bearing wheels that swivel and roll easily. Also has a heavy-duty adjustment clamp, large handle and big pour spout with threaded cap. Large 15" funnel has strainer built-in to catch drain plugs.

Stk.	Mfr.	Size	Price
<b>503746</b>	11102	22" x 33"	<b>\$126.00</b>



### Metal Drain Pan

**S-K** Seamless, galvanized steel utility drain pan. Rolled rim and ribbed bottom for extra strength. For oil draining and parts.

Stk.	Mfr.	Size	Price
<b>943011</b>	17007	13 Qt.	<b>\$10.20</b>



### Easy-pour Plastic Drain Pan

**Blitz** For easier, cleaner oil changes. Fluids drain directly into large opening. Pan is resistant to chemicals and solvents. Won't rust, dent or corrode.

Stk.	Mfr.	Size	Price
<b>942933</b>	05070	7-1/2 Qt.	<b>\$5.39</b>



### Swivel-grip Wrenches

**Lisle** Swivel handle clears obstructions and makes it easy to turn filters in hard-to-reach locations. Also features gripper teeth and 1" wide stainless steel band. Easy-grip vinyl covered handle.

Stk.	Mfr.	Range	Price
503884	53700	2-7/8" - 3-1/4"	\$10.80
503896	53500	3-1/2" - 3-7/8"	\$10.80



### Oil Filter Pliers

**Lisle** Two-position, slip-joint handled pliers produces the range of 3 separate conventional filter wrenches. The sure grip teeth prevent slipping. Cushioned handle adds comfort. Also works on fuel filters and radiator caps.

Stk.	Mfr.	Range	Price
503876	50750	2-1/4" - 4"	\$36.10

### Oil Pan Plug Rethreading Kit

**Lisle** Removes damaged thread and taps a new oversize thread. Tool ensures new thread will be perpendicular to gasket surface to prevent leakage. Works on soft steel and aluminum oil pans with 1/2", 12 and 14mm threads.

**Includes** piloted drill, spring-loaded tapping tool, 5 magnetic drain plugs & molded case.

Stk.	Mfr.	Price
503807	58850	\$130.00



### 10-Ton Air Operated Oil Filter Crusher

**OTC** Crushes up to 4 automotive filters at one time, in just 20 seconds. 100% air operation eliminates electrical connections. The generous size crushing chamber (9"H) easily accommodates the largest automotive spin-on filters on the market.

Stk.	Mfr.	Price
693305	1821	\$2,544.00



### Absorbent

**Oil-Dri** Heavy-duty industrial oil absorbent, soaks up liquid spills from floors, provides traction on snow and ice.

Stk.	Mfr.	Size	Price
943283	101008	8 lbs.	\$13.20
942802	05080	50 lbs.	\$40.20



### Kleen Sweep™

**Akona** Water-based compound out performs oil-based products. Controls dust and picks up on cement, vinyl, rubber, asphalt, composition and other floors. Picks up gypsum and wall board dust. Stain-free and won't leave oily residue. Environmentally safe (no petroleum oil, not toxic or hazardous).

Stk.	Mfr.	Size	Price
942859	1815	50 lbs.	\$42.10

## STANDS, JACKS & LIFTS



### Heavy-Duty Jack Stands

**Ranger** Constructed out of welded steel and feature a ratchet and pin safety design so they remain locked under load. Use them in pairs for automotive and fleet services as well as agricultural and construction equipment service facilities.

#### 3-Ton

Stk.	Mfr.	Height	Base	Weight	Price
235570	RJS-3T	11-1/2" - 17"	7" x 7-1/2"	22 lbs.	\$86.40

#### 6-Ton

Stk.	Mfr.	Height	Base	Weight	Price
235571	RJS-6T	15-1/2" - 24-1/2"	9" x 10-1/2"	32 lbs.	\$128.00



### Bottle Jacks

**JET** Ideal for lifting, pushing, spreading, bending, pressing or straightening requirements. These units feature electrically-welded base and cylinders to ensure strength and eliminate leaks.

- Not affected by temperature extremes
- Factory proof tested

- Low profile truck or standard models
  - Adheres to ANSI/ASME B30.1 & PALD-I standards
  - Works in upright, angle or horizontal position
  - Common release valve assemblies & quick repair interchangeable parts
- Includes** pump handle.

#### 3-Ton Base 4-9/16" x 2-13/16". Weight 5 lbs.

Stk.	Mfr.	Piston Lift	Min. Height	Max. Height	Price
485882	JHJ-3	4-1/2"	7-1/2"	14-3/8"	\$74.40

#### 8-Ton Base 6" x 3-1/2". Weight 12 lbs.

Stk.	Mfr.	Piston Lift	Min. Height	Max. Height	Price
485883	JHJ-8	4-5/8"	7-7/8"	15-1/2"	\$131.00

#### 12-1/2-Ton Base 6-1/2" x 4-1/8". Weight 17 lbs.

Stk.	Mfr.	Piston Lift	Min. Height	Max. Height	Price
485884	JHJ-12-1/2	5-7/8"	9-1/2"	18-1/2"	\$149.00



### 2-1/4-Ton Floor Jack

**Ranger** Capable of handling a full 4,500 lb. load, this floor jack is made out of heavy gauge steel to ensure maximum durability under tremendous pressure. Exceeds all ANSI standards in performance and safety.

- Alloy-plated ram
  - Swivel casters for easy mobility
  - Sealed hydraulics prevents contamination
  - Welded lift arm assembly
  - Built-in safety overload valve
- Chassis 26"L. Front 10-3/4"W. Rear 13-1/2"W. 84 lbs.

Stk.	Mfr.	Height	Price
235573	RFJ-214T	5" - 18-1/2"	\$279.00



### 3-Ton Super-Duty Floor Jack

**Ranger** Professional grade garage floor jack that sports a 6,000 lb. maximum lifting capacity and flanged side plates for extra strength where you need it most. Double-sealed hydraulics and a sturdy steel construction help to protect your investment, while the clever universal-joint release system and roller cam plunger assembly make operation a breeze.

- Swivel casters for easy mobility
  - Built-in safety overload system
- Chassis 28"L. Front 11"W. Rear 14-1/2"W. 98 lbs.

Stk.	Mfr.	Height	Price
235574	RFJ-3T	4-3/4" - 20-1/2"	\$327.00

### 5-Ton Service Jack



**Stinger** Built-in safety overload prevents using the jack beyond its rated capacity. Handle lock and release control are located on top of the 40" spring-loaded handle. Foot pedal speeds lifting operation.

- Handle can lock in any position from vertical to horizontal
- Adheres to ANSI/ASME PALD-10 standards
- Safety overload
- 56"L. 232 lbs.

Stk.	Mfr.	Capacity	Height	Saddle	Price
<b>693301</b>	1505B	5 ton	6" - 22"	5-1/8"	<b>\$882.00</b>

### 2-Ton 10' Lift Chain Hoist



**JET** Lightweight, compact design ideal for low head room applications. All steel construction with durable powder coat finish.

- Cast steel safety latch
- Proof tested w/certificate
- Sealed ball bearing supported load sheave
- Triple-spur gears for high efficiency w/minimum effort
- Heat treated & hardened 100 grade load chain
- Smooth, rolled edge chain cover prevents jamming
- Fused disc brakes offer longer life & ease of replacement
- Drive pinion supported on both ends w/sealed ball bearings
- Drop forged steel safety hooks feature wide throats for easier rigging

Capacity 4,400 lbs. Weight 44 lbs.

**Complies w/OSHA,ANSI/ASME B30.16 & HST-2 standards.**

Stk.	Mfr.	Lift	Head Room	Pull to Lift Capacity	Price
<b>485744</b>	L100-200-10	10'	14-3/4"	79 lbs.	<b>\$462.00</b>

### 1-Ton Folding Engine Stand



**Ranger** Sturdy, wide-base design prevents tipping under load. Front swivel casters. Reinforced neck eliminates flex. Slotted adjustable saddle for quick and easy installation.

- Folds upright to conserve floor space
- Heavy steel construction for max. durability
- Long rubber-grip handle eases positioning
- Head swivels 360° to easily position engine
- 4-wheel design provides max. stability

Stk.	Mfr.	Capacity	Height	Base	Weight	Price
<b>235580</b>	RES-1TF	2,000	37.5"	41" x 27.5"	106 lbs.	<b>\$251.00</b>

### Folding Shop Crane



**Bendpak** 4,400 lb. capacity heavy-duty hydraulic folding engine hoist is perfect for shops that have limited space but still need the pure lifting convenience of a crane. 2-ton folding shop crane sports a 1" to 93" lifting range and features a 4-hole position boom and rugged hydraulic ram.

Quick-release ring pins make setup and teardown a snap. Heavy steel construction ensures maximum durability and the 4-position boom is reinforced, so flex isn't an issue. Heavy-duty steel casters with safety brake on front casters. Wide base for maximum stability.

**Includes** heavy steel hook w/safety latch.

Stk.	Mfr.	Price
<b>235587</b>	RSC-2TF	<b>\$489.00</b>

### Transmission Jack



**OTC** Innovative folding foot pedal and release provides precise ease of control when positioning or removing a transmission.

- 1,000 lb. capacity
- Universal mounting head provides 10° of fore, aft & lateral tilt range
- 2-stage hydraulic cylinder design reduces force required to lift heavy transmissions
- Lifting range from 37" to 73-3/4"
- ANSI/PALD compliant

**Includes** casters & ergonomic handles.

Stk.	Mfr.	Price
<b>693429</b>	5237	<b>\$2,619.00</b>

### 10,000 lb. Capacity Two-Post Lift



**Bendpak** Exceptional direct-drive asymmetric lifting performance with the ability to open vehicle doors while it's raised, without sacrificing drive-thru clearance. Fits in shops with ceilings higher than 12'.

- Expandable top beam accommodates wide or narrow configurations
- Padded overhead safety shutoff bar
- Single-point safety release
- 30° rotated single-piece columns
- Exclusive Tru-Metric arm design for versatile positioning
- Drop-end arms provide a lower pad height
- Dual hydraulic direct-drive cylinders
- Over-sized 53" tall carriage for superior strength & durability
- Electric/hydraulic power system
- Large, 17" x 19" A36 steel base plate
- Self-lubricating dura-glide UHMW polyethylene bearing system
- Safety locks in each column spaced every 3"
- Automatic arm restraints
- Heavy-duty 1/2" aircraft-quality equalizer cables
- Oversized cable sheave diameter reduces cable fatigue
- 8-piece truck & van adapter set standard
- Triple-telescoping arm design
- Versatile drop-in contact pads w/stackable adapters

Rise 69"H. Column 145"H. Lift time 45 sec.

Drive-through clearance 89" to 102". Ceiling requirement 12'H.

220V, 1 phase. Load per arm 2,500 lb.

Size 145"H x 145"W. Weight 1,798 lbs. (shipping).

**ETL approved.**

Stk.	Mfr.	Price
<b>235600</b>	XPR-10A	<b>\$3,661.00</b>

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of the products listed on this page.

## HYDRAULIC PRESS EQUIPMENT



### Hydraulic Presses

**J E T** For pressing, bending and straightening operations. Hand-operated with pressure gauge for direct pressure readings. Easy-to-use.

- Side frames are open for inserting long material
- Fast set-up ram extension screw
- 2-yr. mfr.'s warranty

**Includes** 2 bed plates & pump handles.

**15-Ton** Ram 2-1/2" dia. Piston stroke 4-1/2". Screw stroke 3-1/8". Vertical table travel 22-3/16". Lateral movement 10-3/16". Work table 23-3/4" x 7-1/2". Size 34"L x 30"W x 66"H. Weight 435 lbs.

Stk.	Mfr.	Price
<b>486033</b>	HP-15A	<b>\$2,246.00</b>

**5-Ton** Ram 1-3/4" dia. Piston stroke 4". Screw stroke 3". Vertical table travel 15-3/4". Work table 19" x 5-1/2". Size 24"L x 26"W x 52"H. Weight 192 lbs.

<b>486032</b>	HP-5A	<b>\$1,237.00</b>
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### 20-Ton Commercial-Grade Hydraulic Shop Press

**Ranger** Robust 20-ton press designed for heavy use. Ideal for removal and installation of gears, bushings and bearings. Also excels at bending, straightening and flattening.

- Integrated 4" dia. 20-ton pressure gauge
- Hydraulic cylinder moves laterally for versatility
- Independent 2-speed hydraulic pump for maximum performance

- Heavy steel construction
- Adjustable table height (7-1/2" - 36-1/4")

Size 60-1/4"H x 37"W x 27-1/4"D. Weight 255 lbs. (shipping).

**Includes** 2 heavy-duty press plates.

Stk.	Mfr.	Price
<b>235581</b>	RP-20HD	<b>\$856.00</b>



### 20- & 30-Ton H-Frame Hydraulic Presses

**Baileigh** Ridged, fully welded main frame with industrial grade hydraulic components for years of use.

- Full working width 19" (HSP-20A) or 22.5" (HSP-30)
  - Easily adjustable table
  - Electro-welded steel plate w/solid cross members
- Stroke 7.5" (HSP-20A) or 5.9" (HSP-30).

**Includes** vee block set.

Stk.	Mfr.	Price
<b>222590</b>	HSP-20A	<b>\$1,148.00</b>
<b>222591</b>	HSP-30A	<b>\$1,438.00</b>

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### 25-Ton Capacity Hydraulic Shop Press

**OTC** Tough, economical press is ideal for pressing rear axle bearings, piston pins and more. Large 30" x 46" work area under ram makes positioning of even bulky work easy. Press bed is easily raised and lowered by lifting mechanism.

Stroke length 5-3/4" - 46". Size 69-1/2"H x 30"W.

**Includes** hydraulic hand pump, gauge, hose (1/4" ID x 6'), hydraulic ram w/6-1/4" stroke & pump mounting bracket.

Stk.	Mfr.	Price
<b>693307</b>	1833	<b>\$3,139.00</b>

**Accessory Set** Attach to ram's forcing screw or support work on the press bed. **Includes** bearing pulling attachment, 2 ram pushing adapters (3/4" dia. shank & 1" dia. shank), V-pushing adapter, 11-1/2" long V-blocks, ram forcing cap & threaded adapter.

Stk.	Mfr.	Price
<b>693316</b>	1881	<b>\$674.00</b>

### 35-Ton Hydraulic Press

**J E T** For pressing, bending and straightening operations. Hand-operated with pressure gauge for direct pressure readings. Easy-to-use.

- Side frames are open for inserting long material
- Tables raise & lower easily w/use of hand crank
- Fast set-up ram extension screw
- Ram moves laterally for added versatility
- Straightness testing support uses centers or v-blocks
- 2-yr. mfr.'s warranty

Ram 3" dia. Piston stroke 4-3/4". Screw stroke 4". Vertical table travel 23-5/8". Lateral movement 15". Work table 31" x 10-3/8". Size 43"L x 34"W x 69". Weight 783 lbs.

**Includes** 2 bed plates & pump handles.

Stk.	Mfr.	Price
<b>486034</b>	HP-35A	<b>\$3,776.00</b>

## GENERAL TOOLS



### Fender Protector

**Lisle** Heavy-duty, long-wearing foam vinyl pad. Protects the car while providing a convenient place to hold small tools and parts.

Stk.	Mfr.	Price
<b>503843</b>	24750	<b>\$31.60</b>



### Double Flaring Tool Set

**Lisle** Makes both single and double SAE flares. Set includes everything to flare thin wall steel, aluminum or .040 wall soft copper tubing. Set includes 5 thread dies and adapters for forming double flares on the following tubing sizes: 3/16", 1/4", 5/16", 3/8" and 1/2".

**Includes** long bar, 3/16" adapter, 1/4" adapter, 5/16" adapter, 3/8" adapter, 1/2" adapter, instructions & storage tray.

**Not for use on stainless steel tubing.**

Stk.	Mfr.	Price
<b>503907</b>	31310	<b>\$50.20</b>



### Right Angle Ratcheting Screwdriver

**Lisle** Fits where a regular screwdriver can't. Place handle over bit and turn. Reverse handle on bit to tighten. Use also with 1/4" round shaft screwdriver. Ratcheting action with infinite settings.

**Includes** straight slot & #2 Phillips bit assemblies.

Stk.	Mfr.	Price
<b>503901</b>	64250	<b>\$17.10</b>



### Nut Splitting Tool

**General** High-grade, heat-treated steel tool for removing frozen, hard-to-remove rusted nuts. Angled body gets into tight spots. Splits nuts up to 1/2" automotive series.

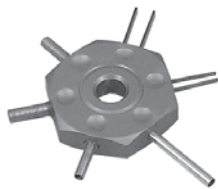
Stk.	Mfr.	Length	Price
<b>417955</b>	175	4-3/4"	<b>\$31.20</b>



### Throttle Pedal Depressor

**Lisle** Holds throttle at constant rpm. Simply engage the nylon hook under the steering wheel and extend the depressor rod to the accelerator pedal. Adjustment screw fine tunes the rpm level. 40"L.

Stk.	Mfr.	Price
<b>503744</b>	48700	<b>\$34.10</b>



### Terminal Tool

**Lisle** Eliminate damaged wires and terminals. Removes wires from terminals without damage to either. Prongs depress the "barbs" on conventional terminals.

Stk.	Mfr.	Price
<b>503889</b>	56500	<b>\$13.70</b>

## TESTING EQUIPMENT & SUPPLIES



### Heavy-duty Remote Starter Switch

**OTC** Allows 1 person to start and crank engine while under the hood or from either side of the vehicle. Convenient hot circuit indicator, red ready light glows when starter switch is connected to a hot circuit (*light goes off when switch is depressed*).

- High current push-button switch offers reliable operation & long life
- Heavy-duty, 12 ga. wire leads (5'L) are oil & grease resistant
- Easy hook-up, high current clips w/protective boots open 5/8"W

Stk.	Mfr.	Price
<b>693420</b>	3650	<b>\$47.40</b>



### Remote Starter

**Lisle** Tough, smooth-working reliable switch. Features heavy gauge, rubber-covered copper wire. Depress button to jog or start the engine.

Stk.	Mfr.	Price
<b>503817</b>	20750	<b>\$18.60</b>



### 55 Series Digital Multimeter

**OTC** Multimeter provides all the base functions required for today's automotive testing.

- Max. display 2000 counts
- Diode check
- Auto/manual range
- Auto power off
- Continuity buzzer
- Data hold, max hold

DC volts 200mV to 200V. AC volts 2V to 200V. DC current 200/2000 $\mu$ A. AC current 200/2000 $\mu$ A. Resistance 400 $\Omega$  to 2M $\Omega$ . Temperature -58°F to 392°F

**Includes** test leads & temperature probe.

Stk.	Mfr.	Price
<b>693398</b>	3910	<b>\$65.30</b>



### 550 Series Digital Multimeter

**OTC** Features powerful automotive test functions such as; frequency, duty cycle, diode & continuity tests, plus all the standard meter features you expect in a professional grade multimeter.

- Diode Test
- Auto Range Data
- Change Auto
- Continuity Test
- Hold Relative
- Power Off

Frequency: 1Hz ~ 10MHz  $\pm$  0.1%

Duty Cycle: 0.1% ~ 99.9%  $\pm$  2.5%

DC Volts: 400mV/4/40/400V  $\pm$  0.5%, 1000V  $\pm$  0.8%

AC Volts: 4/40/400V  $\pm$  0.8%, 400mV/750V  $\pm$  1.2%

DC Amps: 400/4000 $\mu$ A  $\pm$  2%, 40/400mA  $\pm$  1.5%, 4/10A  $\pm$  2%

AC Amps: 400/4000 $\mu$ A  $\pm$  2.5%, 40/400mA  $\pm$  2%, 4/10A  $\pm$  2.5%

Resistance: 400 $\Omega$ /4/40/400k $\Omega$   $\pm$  1%, 4/40M $\Omega$   $\pm$  2%

Capacitance: 40nF  $\pm$  3.5%, 400nF/4 $\mu$ F/40 $\mu$ F  $\pm$  3%, 400 $\mu$ F/4000 $\mu$ F  $\pm$  20%

**Includes** test leads.

Stk.	Mfr.	Price
<b>693399</b>	3940	<b>\$142.00</b>



### 100 Series Autoranging Multimeter

**OTC** High-quality unit features all of the same classic autoranging multimeter functions, plus automotive test-specific measurements.

- Auto/manual ranging
- O2 cross counts
- Duty cycle & frequency to 10M Hz
- Auto power off can be disabled
- Data hold freezes data w/push of a button
- Tests for resistance, continuity, diode & capacitance
- Measures for rpm, temperature ( $^{\circ}$ F/ $^{\circ}$ C), dwell, fused direct currents up to 10 amps through meter
- Millisecond pulse width & peak volts measurements for fuel injectors
- Relative measurement removes test lead resistance from low-resistance measurements
- Data recording min/max for fluctuating measurements

DC volts 400mV to 400V. AC volts 4V to 400V. DC current 40/400 $\mu$ A. AC current 40/400 $\mu$ A. Resistance 400 $\Omega$  to 400k $\Omega$ . Capacitance 40nF/4 $\mu$ F. Temperature -50°F to +400°F. RPM 0/10,000.

**Includes** inductive rpm clamp, heavy-duty test leads w/removable alligator clip ends & temperature probe.

Stk.	Mfr.	Price
<b>693402</b>	3505A	<b>\$225.00</b>



### 750 Series Digital Multimeter

**OTC** Features powerful automotive test functions (*frequency, duty cycle, diode & continuity tests*) and automotive specific tests (*true RMS, RPM, dwell, pulse width, temperature, backlight, RS232 & min./max.*). It's CATIII and compatible with Hybrid vehicle systems.

- Diode Test
- Data Hold
- Auto Power Off
- Continuity Test
- Relative Change
- CATIII 1000V
- Auto Range
- Backlight
- Min/Max

DC volts 400 $\mu$ V to 1000V AC volts 4V to 750V.

DC current 400 $\mu$ A to 10A AC current 400 $\mu$ A to 10A. Resistance 400 $\Omega$  to 40M $\Omega$

Capacitance 4nF to 40mF. Temperature -58°F to 752°F

Frequency 1Hz to 10MHz. Dwell angle 0 to 360° (1 - 12 CYL) RPM 10k.

Pulse with ms (*negative*) 1 to 999ms Duty cycle 0.1% to 99.9%

**Includes** RS232 & cable, alligator clips, RPM pick-up adapter, temp probe adapter, PC cable & software, plus canvas case.

Stk.	Mfr.	Price
<b>693423</b>	3980	<b>\$207.00</b>



### Digital Battery Tester

**OTC** Unit tests 12V batteries (125-1400 CCA's) and analyzes by measuring multiple parameters within the battery to deliver accurate results. Bright, 4-digit LED display indicates battery's good/bad status, voltage and available CCA's.

- Detects bad cells

- Cost effective conductance test technology for accurate testing
- Measures multiple international units (CCA, IEC, DIN, BCI & EN)
- Live voltmeter easily analyzes starting/charging system
- Temperature & low charge compensation
- Surface charge warning
- Quick 1-sec. initial results
- Detects & identifies loose leads

**Includes** case.

Stk.	Mfr.	Price
<b>693352</b>	3183	<b>\$182.00</b>



### 100-Amp Battery Load Tester

**OTC** Test batteries on or off the car in just 10 seconds. Portable size and easy-to-read scales. Features heavy-duty copper-plated clamps, chrome-plated ventilated steel casing and ceramic insulators.

- Determines state of charge, cranking & charging volts
- Load safety switch prevents arcing
- Determines good/bad status

- Extra large display w/zero adjust
  - Works on 6- & 12V batteries
- Volts 0-16. 100 amp load capacity.

Stk.	Mfr.	Price
<b>693350</b>	3180	<b>\$47.90</b>



### 125 Amp Battery Tester

**Associated** Test 6V and 12V batteries, alternators & starters.

- 1 hand operation
- Easy-to-read meter
- No adjustments
- Durable & safe
- Recessed meter & insulated clamps
- 1-yr. mfr.'s warranty

Volts 0-16. 125 amp load capacity.

Stk.	Mfr.	Price
<b>199240</b>	6029	<b>\$153.00</b>



### Alternator/Battery Tester

**Associated** Tests for defective alternator diodes including GM trio test. Heavy-duty safety clamps with 300 amp jaws & side terminal adapters.

- Performs complete battery test
- Checks state of charge on conventional & maintenance-free batteries

- Tests for excess starter current & alternator/regulator output voltage
- 1-yr. mfr.'s limited warranty

Volts 0-16. 125 amp load capacity.

Stk.	Mfr.	Price
<b>199242</b>	6031	<b>\$208.00</b>



### Sabre HP Battery & Electrical System Diagnostic Tester

**OTC** Digital circuitry precisely controls battery test loads to accurately determine battery conditions. Tests both flooded lead acid and absorbed glass mat batteries down to IV state of charge.

Tests vehicle starting and charging systems with minimal user interaction. Tests 6 & 12V batteries w/a 50-2000 CCA operating range.

- Over-molded enclosure w/soft-touch keys
- Scales: CCA, CA, AHR, MCA, JIS, DIN
- Date/time stamp
- User definable print header & footer
- 4 x 20 back-lit display
- Flash upgradeable memory in field
- Removable/auto-sensing leads

**Includes** 3' test leads, side-post terminal adapters, manual, molded case.

Stk.	Mfr.	Price
<b>693330</b>	3167	<b>\$574.00</b>



### MinuteMan Plus Multi-Purpose Electrical System Tester

**OTC** Tests batteries, alternators, regulators and starters. Direct-from-battery tachometer feature gives rpm readings without complicated hookups to ignition system. Offers ammeter/voltmeter capabilities. Evaluates discharged or charged batteries in 1 minute.

- Tests 12V auto & HD batteries (*w/cold cranking amps of 100-1,500*)

- Internal battery, no external power source needed

- Checks charging system at high rpms & idle, then stores the data
- Shows regulator volts, peak amps & diode condition
- Uses highly-accurate waveform analysis to test alternator diodes
- Displays cranking volts & amps, indicates good or bad starter
- Test options for accurately diagnosing AGM & spiral (*6-pack style*) batteries
- English or Spanish menu selection

**Includes** connector cables, internal rechargeable battery, battery charger, mobile cart w/built-in handles, 2 shelves & manual.

Stk.	Mfr.	Price
<b>693320</b>	3131AGM	<b>\$2,525.00</b>

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### Battery/Electrical Systems Tester

**Associated** LED display voltmeter and ammeter. Displays +/- Amps for easy diagnosis. Provides accurate load testing for up to 1,000 CCA batteries. Spring loaded to shut-off automatically.

- 500 Amp safety clamps w/Flexi-Spring side terminal adapter plus separate light gauge test leads for tighter spots
- Heavy-duty single extruded leads for testing up to 15' apart
- 6043 AC/DC current sensing inductive pickup included
- 10-meg ohm input impedance for today's high tech systems
- Unique curved carbon discs ensure maximum contact, fewer hot spots, smoother operation & longer life
- Saves time testing electrical systems on 12, 12/24 & 24V vehicles
- Coated circuit board prevents damage & meter inaccuracy
- 1-yr. mfr.'s warranty

Load: 500 A. Ammeter: Digital 0-999A.

Voltmeter: Digital LCD 0-32.0V DC. Clamps: 500A Weight: 67 lbs.

**Includes** heavy-duty tilt back cart (*assembly required*) w/8" wheels 2 trays & 8' 4 AWG leads.

Stk.	Mfr.	Price
<b>199250</b>	6042	<b>\$2,061.00</b>



### Starter/Alternator Generator Bench Tester, 1/2 HP

**Associated** Tests 12 or 24V internally or externally regulated alternators. Provides result from free-run starter or light-load alternator tests.

- Universal test lead
- Compact & user-friendly
- Easy-to-read LED meter
- High resolution digital control panel meter
- Regulated power supply is overload protected
- Safety interlock prohibits testing unless belt guard is in place
- 1-yr. mfr.'s warranty

Power requirements 120V, 60 Hz, 20 Amps. Drive motor 1/2 HP.

Leads 4' 6 AWG. Clamps 300 A. Ammeter Digital LED 0-999 A.

Voltmeter Digital LED 0-32V DC.

Tool size 17"H x 14"W x 28"D. Tool weight 110 lbs.

Stk.	Mfr.	Price
<b>199265</b>	8600	<b>\$2,741.00</b>



### Advance Timing Light

**OTC** Professional advance timing light allows accurate adjustment of base and advance timing reading. Adjustable knob measures centrifugal, vacuum and computer advance. Use for conventional, electronic, DIS, 2-cycle and computer-controlled ignition systems.

- On/off 1-touch control
- Reflected, super-bright Xenon flash
- Heat-resistant, over-molded clips
- Durable, plated ABS housing w/over-molded grips

**Includes** metal inductive clamp, detachable lead set w/positive twist-lock connector & molded case.

Stk.	Mfr.	Price
<b>693382</b>	3365	<b>\$148.00</b>



### Trilingual OBD II/EODB & CAN Scan Tool

**OTC** AutoID™ auto-selects most 2000 and newer vehicles. Features component locator, acronym library, emissions monitor, live data graphing and supports over 300 Global OBD II live data items. Meets 2010+ requirements (*15 monitors, HD, Diesel, Hybrid Coverage*).

- Displays State OBD check & OBD II Drive Cycle Mode
  - Reads & displays: LIVE sensor data, MIL status, I/M monitors, pending & permanent DTCs, freeze frame data, VIN number, CVN & Cal ID, O2 monitor test, diagnostic monitor test & on-board systems
  - Trilingual menu, manual & definitions (*English, Spanish, French*)
  - Displays generic & enhanced definitions on screen
  - Read & erase diagnostic trouble codes
  - Updateable via USB port
  - Over 15,000 code definitions
  - EOBD compatible & CE certified
- 2.75"W x 5"H x .75"D. 31" cord.

**Includes** USB cable, CD & manual.

Stk.	Mfr.	Price
<b>693319</b>	3109N	<b>\$134.00</b>



### Engine Compression Tester Kit

**OTC** For complete compression testing on gasoline engines, including domestic, imports, motorcycles, marine and small engines. Problem solving features for today's limited space engine compartments.

- Corrosion-resistant nickel-plated finish
- Adapters for flat & tapered seat plugs
- 2-1/2" professional gauge w/zero adjust
- Gauge w/chrome bezel & protective outer boot
- 25" flex hose gauge assembly w/quick coupler allows easy viewing out of cluttered engine compartment
- Dual scale gauge reads 0-300 psi & 0-2100 kPa.

**Includes** 12" flex-14 mm standard & long reach hose, 3 adapters (*10, 12 & 18 mm thread*), repair parts kit & molded case w/removable lid.

Stk.	Mfr.	Price
<b>693430</b>	5606	<b>\$81.20</b>



### Engine Compressor Tester

**Lisle** Quickly and accurately check compression on gasoline engines. Gauge registers 0-300 psi and 0-2100 kpa. Fits 14 and 18mm thread sizes.

Stk.	Mfr.	Price
<b>503828</b>	20250	<b>\$40.90</b>



### Vacuum/Pressure Gauge Kit

**OTC** Accurately test vacuum lines and components including low-pressure fuel systems. Quickly diagnose internal engine problems such as bad rings, valves and leaking head gaskets. Pin point hard-to-find problems such as cracked lines, PCV, fuel pump, fuel filters and more.

- Large 3-1/2" gauge w/chrome bezel & protective outer boot
  - Dual purpose gauge reads vacuum & pressure
  - Built-in rear hook to hang gauge at eye level
- Gauge reads 0-30" Hg vac & 0-70 cm Hg. 0-15 psi & 0-100 kPa.

**Includes** 3-1/2" face, universal adapter (*use for most applications*), T-adaptor, tapered adaptor, detailed chart & molded case (*w/removable lid*).

Stk.	Mfr.	Price
<b>693415</b>	5613	<b>\$35.70</b>



**Fuel Pressure Tester Kit**

**OTC** Quickly and easily locate any malfunctioning fuel system component, including fuel filters, pressure regulators, fuel lines and fuel pumps without removal from the vehicle.

- Large, easy-to-read scale
  - Solid brass fittings
  - Pressure relief valve for safe, clean testing
- 0–100 psi scale. 0–700 kPa.

**Includes** adapter.

Stk.	Mfr.	Price
<b>693432</b>	5630	<b>\$45.50</b>

**Fuel Injection Test Set**

**Lisle** Set checks fuel pressure on most domestic (except GM TBI) and Japanese fuel and throttle body injection systems. For Bosch AFC, MPC, Digijet/Digifand (except CIS: Chrysler, Ford,

GM & TBI.: Japanese fuel injection systems & others using Bendix-type fuel injection or Schrader-type valve including the small Schrader valve found on Ford).

**Includes** pressure gauge assembly, 2 thread adapters, multi-sized straight hose adapter, T adapter, 5 fuel bold adapters, 5 washers, spring-lock adapter, hair-pin connector & molded case.

Stk.	Mfr.	Price
<b>503939</b>	58600	<b>\$170.00</b>

**Master Fuel Injection Test Set**

**Lisle** Checks fuel pressure on most Port Fuel Injection (PFI) and Throttle Body Injection (TBI) systems. Comes with a variety of adapters and gauges for checking many types of systems. Adapts to work with test port connections, end of hose connections and in-line connections. Tests GM,

Ford, Chrysler, Honda/Acura, Toyota, Bosch CIS and L- Jetronic.

**Includes** asst. adapters & gauges, manual & molded case.

Stk.	Mfr.	Price
<b>503737</b>	55700	<b>\$409.00</b>

**Fuel Injection Pulse Tester**

**OTC** Performs a cylinder balance test when injectors are suspect in engine performance problems. Vehicle-powered tool fires individual injectors in 1/2 sec. increments in 3 different ranges (1 pulse of 500 milliseconds, 50 pulses of 10 milliseconds, 100 pulses of 5 milliseconds). Power and output lights indicate test activation.

**Includes** wiring harness adapter & instructions.

Stk.	Mfr.	Price
<b>693391</b>	3398	<b>\$174.00</b>

**Leaktamer EVAP Tester**

**OTC** Diagnose 80% of top codes with smoke technology. This unit is half the size of its predecessor, with more powerful features.

- UltraTrace UV® dye is the only OE approved solution
- Detects microleaks to & below .010"

- New smoke flow control adjusts for specific applications

**Includes** leak tamer unit, white/UV combination w/laser pointer, UV glasses, service port adapter, exhaust adapter cone, cap plug adapters, Schrader® removal/installation tool & UltraTrace UV® smoke-producing solution.

Stk.	Mfr.	Price
<b>693407</b>	6522	<b>\$1,150.00</b>

**Multi-application Digital Pressure & Temperature Analyzer**

**OTC** Combines the functions of vacuum, oil pressure, hydraulic system pressure, transmission pressure, compression, and air conditioning in unit. Deluxe digital pressure/temperature analyzer has 4 pressure input receptacles and protective boot.

- No need for fuel/transmission hoses inside vehicle during a road test
- Use w/OTC's 3398 to find clogged/dirty fuel injectors (sold separately)
- Pinpoints worn power steering pumps or racks
- PSI reading for hydrostatic drives & high pressure hydraulics
- Finds blocked intake ports & plugged catalytic converters
- Checks transmission cooler efficiency & catalytic converter temps
- No makeshift taping of gauges to windshield
- Min/Max pinpoints: fuel restrictions, plugged filters, weak fuel pumps & transmission pressure spikes
- Delta Zero monitors fuel pressure drop caused by faulty check valves
- Displays readings in BAR for checking European specs
- Permits comparison of ABS brake pressure at each wheel

**Includes** transducer (500 psi), 12' cable, 8-1/2" hose, bead-type temperature probe, assorted fittings, molded case & manual.

Stk.	Mfr.	Price
<b>693392</b>	3490	<b>\$780.00</b>

**Primary Wire**

**Coleman Cable** General purpose wiring for automobiles, boats, trucks, buses, tractors, trailers and other motor-driven equipment.

Stk.	Mfr.	Gauge	Color	Length	Price
<b>983160</b>	16-100-11	16	Black	100'	<b>\$22.00</b>
<b>983161</b>	18-100-11	18	Black	100'	<b>\$15.90</b>

**Vacuum/Windshield Washer Hose**

**HBD Industries** Compounded not to deteriorate or split from heat or ozone. Resists oil and grease.

Stk.	Mfr.	Dia.	Length	Price
<b>942874</b>	334050	5/32"	50'	<b>\$28.10</b>
<b>942875</b>	334150	7/32"	50'	<b>\$30.50</b>
<b>943016</b>	333950	7/64"	50'	<b>\$26.30</b>

**Fuel Line/Vapor Emission Hoses**

**HBD Industries** Nitrile tube hose is suitable with lead or unleaded gasoline and many Ethanol and Methanol-based gasohol blends. Meets or exceeds SAE30R7 specifications. This hose is not to be used for fuel injected systems.

Stk.	Mfr.	Dia.	Length	Price
<b>942876</b>	25060	1/4"	25'	<b>\$32.60</b>
<b>942877</b>	25078	5/16"	25'	<b>\$35.20</b>
<b>942878</b>	25088	3/8"	25'	<b>\$39.90</b>

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### Fuel Line Retaining Clip Tool Set

**Lisle** Designed to release the nylon retaining clip used on the fuel lines of newer GM and Chrysler vehicles with electric fuel pumps.

**Includes** 5/16" & 3/8" fuel line tools.

Stk.	Mfr.	Price
503946	39160	\$10.90



### Hose Clamps

**Breeze Industrial** Industrial/automotive clamp is used for all standard clamp applications. Made of stainless steel with a zinc-plated carbon screw.

Stk.	Mfr.	Size	Price
942640	3504	7/32" x 5/8"	\$0.68
942639	3506	7/16" x 25/32"	\$0.68
942918	62010	9/16" x 1-1/6"	\$0.92
942919	62012	11-1/6" x 1-1/4"	\$0.92
942920	62020	13/16" x 1-3/4"	\$1.00
942921	62028	1-15/16" x 2-1/2"	\$1.00
942922	62036	1-13/16" x 2-3/4"	\$1.06



### Heavy-duty Coil Cord Circuit Tester

**OTC** Designed for testing electrical circuits and locating shorts, grounds, and open circuits. Heavy-duty, stainless steel probe w/insulated shaft checks 6 and 12V systems.

• 12' heavy-duty, red coil cord lead

- Ergonomic slim-designed clear handle
- Bright red, slim-style replaceable bulb
- Positive contact molded strain relief
- Heavy-duty clip w/positive soldered connection

Stk.	Mfr.	Price
693435	3636	\$23.90



### Computer/Polarity Circuit Tester

**Lisle** Checks for open or short circuits on 12V automotive computer circuits. Operates at a safe range of 3-28V and draws less than 21mA at 12V DC. Lights indicate positive and negative polarity.

Stk.	Mfr.	Price
503864	24550	\$15.80



### Low Circuit Tester

**Lisle** Quick check both AC and DC current up to 28V with the power on. Helps locate shorts or breaks in wiring. Complete with insulated grounding clip.

Stk.	Mfr.	Price
503844	26250	\$7.99



### High/Low Circuit Tester

**Lisle** Low side checks AC and DC current up to 28V with power on. High side checks spark plug wires without piercing. Complete with insulated clip.

Stk.	Mfr.	Price
503927	29500	\$12.60



### Ultimate Circuit Tester Kit

**Lisle** Heavy-duty tester signals with a light and buzzer. Tests low voltage up to 28V, finds electrical shorts, checks polarity, detects battery drain and checks circuits from a distance.

Heavy-duty coil cord extends over 8'. Detachable, spring-loaded hook pulls the center of the wire into the probe every time. Attach alligator clip to the probe for clip-on connections.

Stk.	Mfr.	Price
503838	28640	\$44.10



### DC Voltage Tester

**Gardner Bender** Checks DC current from 6-12V. Durable ABS housing with pocket clip. 3' test lead with alligator clamp. Sharp tip for piercing insulation. Visual indicator.

Stk.	Mfr.	Price
416718	GAT-3400	\$7.90



### Continuity Tester

**Lisle** Battery-powered continuity tester for wires, fuses, switches and other electrical systems. Light indicates continuity. Not to be used

on live circuits or computer sensor feed circuits.

**Requires 1 AA battery, sold separately.**

Stk.	Mfr.	Price
503848	26200	\$11.00



### ATM/Max Fuse Kit

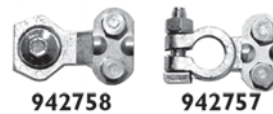
**Bussmann** For '96 and newer vehicles. 64-piece contains popular ATM and MAX blade fuses. Complete with FT-3 fuse tester/puller. Fuses meet or exceed OE and SAE standards.

**Includes** two ea. Atm 2, 3, 4, three ea. Atm 7-1/2, five ea. Atm 5 & 25, ten ea. Atm 10, 15,

20 & 30, two ea. Max 30 amperage fuses, one ea. Max 40 & 50 amperage fuses, 3' combination fuse tester/puller & plastic case.

Stk.	Mfr.	Price
943307	64	\$29.10

## BATTERY TOOLS



### Battery Terminals

**Infinite** Heavy-duty lead alloy terminals fit 1 to 6 AWG cables.

**Side Post** Protruding ring assures positive contact & recessed circle affords exact positioning.

Stk.	Mfr.	Price
942758	00351	\$2.43

**Top Post** Fits positive or negative posts. Bolt locks firmly from L to R. Steel inserts avoid stripping. Universal unit holds cable or strap. Removable plate for easy assembly. Threaded clamp avoids pull-out.

942757	00350	\$2.18
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### Battery Terminal Brush

**Lisle** Cleans dirt and corrosion from battery terminals and cable clamps. High impact plastic case will not weaken in cleaning solutions.

Stk.	Mfr.	Price
503740	11120	\$8.22



### Side Terminal Brush

**Lisle** Brush's "coil spring" cutters polish battery contact while stainless steel brushes clean cable terminals.

Stk.	Mfr.	Price
<b>503770</b>	11400	<b>\$9.66</b>

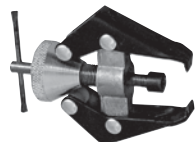


### Cleaning Brush Set

**General** Brass and stainless steel brushes clean pipe, battery terminals, spark plugs, etc. Use

brass brush to clean softer materials, and steel brush when extra abrasion is needed to clean pipe. 2/pkg.

Stk.	Mfr.	Price
<b>419847</b>	1102	<b>\$4.93</b>



### Battery Terminal Puller

**Lisle** Dual-purpose puller easily removes stuck battery terminals and bolted-on wiper blades.

Stk.	Mfr.	Price
<b>503890</b>	54150	<b>\$26.10</b>



### Battery Carrier

**Lisle** Spring-action handle turns lifting power into better gripping pressure. Form-fitting handle provides a solid gripping surface. Carrier works on most batteries.

Stk.	Mfr.	Price
<b>503892</b>	57850	<b>\$17.60</b>



### Battery Clamp Spreader & Cleaner

**Lisle** Dual use pliers spread battery post clamps and tapered, ribbed tips remove corrosion and build-up from inside the clamp. Tips are made from strong heat-treated steel.

Stk.	Mfr.	Price
<b>503893</b>	55410	<b>\$21.60</b>



### Fully Automatic Battery Charger/ Starter

**Schumacher** 50/10/2 amp fully-automatic starter/charger. 2 LED lights signal power on and full charged. 50 amp for emergency start-

ing. 2 amp trickle charge for small 12V batteries (2-12 hrs.). 10 amp fast charge for everyday needs (3-5 hrs.). Will not overcharge batteries. UL listed.

Stk.	Mfr.	Price
<b>771809</b>	SE-5212A	<b>\$86.40</b>



### DieHard Battery Charger/Maintainer, 6V & 12V

**Schumacher** DieHard fully automatic charger/maintainer with float mode monitoring for 6V

and 12V batteries. Ideal for keeping stored, lead acid batteries charged and power maintained at all times. Reverse hook up protection. UL listed.

**Includes** 50 amp battery clamps, 12V accessory plug & permanent ring connectors.

Stk.	Mfr.	Volts	Amps	Price
<b>771700</b>	71219	12/6	2/4	<b>\$42.80</b>



### Engine Charger/Starter

**Schumacher** 200/40/10 amp manual charger/ starter with 6/12V capabilities for mechanics. High output engine start assists batteries in cranking most engines under severe conditions. 200 amp engine start for emergency starting. 40 amp charge for fast charging (1-3 hrs.). 10 amp charge for everyday charging needs (3-5 hrs.). Maintenance rate maintains batteries. 2 rotary switches for ease-of-use and accuracy. Hold-position timer switch for continuous charging. Cooling fan for longer life. UL listed.

Stk.	Mfr.	Volts	Amps	Price
<b>771820</b>	SE-4020	6/12	200/40/10	<b>\$211.00</b>



### 12' Light-duty Booster Cable

**Master Mechanic** Ten gauge 100% copper conductors. Tough vinyl insulation, tangle-free dual cable construction and color-coded clamps.

Stk.	Mfr.	Amps	Price
<b>942959</b>	601896	500	<b>\$15.50</b>



### 20' Heavy-duty Booster Cable

**Master Mechanic** Four gauge SAE 100% copper conductors with tough vinyl insulation and color-coded clamps. Provides easy connection from behind, even on large vehicles.

Stk.	Mfr.	Amps	Price
<b>943004</b>	601924	500	<b>\$50.60</b>

## BRAKE TOOLS



### Brake Lathe

**Ranger** Ruggedly built brake lathe is capable of faster, more accurate and easier rotor and flywheel and drum and flywheel resurfacing than any other brake lathe in its class. Infinitely adjustable feed rates allow easy modification of cut speeds with the turn of a dial. Reduce or increase the cut-time for best finish results whether speeding through an initial rough cut or a single-pass micro-finish.

- Precision electric DC servo motors meet the demanding requirements of industrial motion control
- Works on all cars or trucks, both foreign & domestic, w/hubless drums, rotors (center hole sized 2-5/32" - 4") & composite rotors (center hole sized 4" - 6-1/4")
- Exclusive "splash-lube" oil-feed system supplies a constant flow of oil to the bearings for trouble-free service
- A variety of adapters allows machining of all standard & composite rotors for foreign & domestic cars & light trucks

Spindle speed 150- 200 RPM. Max. rotor 17" dia. x 2-1/2"T.

Drum 6" dia. min. Brake drum 6-28" dia. max.

Max. load standard arbor 150 lbs. Max. load 1-7/8" arbor 250 lbs.

Weight 685 lbs. (shipping).

**For complete description and specifications visit our website.**

Stk.	Mfr.	Volts	HP	Phase	Price
<b>235582</b>	RL-8500	120	1	1	<b>\$5,869.00</b>



### Digital Disc Brake Micrometer

**Chicago Brand** Features 3-1/4" reach, hardened tips, ratchet and lock. Reads directly to .001" with a 0.3"-1.3" range.

**Includes** case.

Stk.	Mfr.	Price
302570	50077	\$111.00



### Lock Ring Pliers

**Lisle** Designed for removing and installing lock rings on all types of transmissions, master cylinders, brakes, etc. Jaws are knurled on the end to prevent slipping.

Stk.	Mfr.	Price
503868	44900	\$19.10



### Brake Spring Pliers

**Lisle** Double-ended tool for removing and installing brake springs. Use plier tips to stretch brake spring. Handle ends remove and install spring over anchor post.

Stk.	Mfr.	Price
503750	11260	\$25.10



### Brake Spring Tool

**Lisle** Easily remove and replace brake return springs that are set over a post. "Shoe horn" design on opposite end makes it easy to slip the spring back over the post. Its large handle provides a good grip and easy operation.

Stk.	Mfr.	Price
503874	46750	\$12.10



### Snap Ring Pliers

**Lisle** Combination tool for internal and external snap rings that can compress internal rings and expand external rings. Quick-change reversing lever.

**Includes** 4 tip sets (.045" & .060" straight tips, .045" 45° tips & .035" 90° tips).

Stk.	Mfr.	Price
503872	46000	\$15.20



### Retaining Ring Pliers Set

**CHAN NEL LOCK** Converts from internal to external rings with the switch of a tab.

For external rings 1/4" to 2", internal rings 3/8" to 2".

**Includes** 6 tip sets (.036", .047" & .070 straight tips, .036", .047" & 90° tips).

Stk.	Mfr.	Price
301540	927	\$33.40



### 16-Piece Pliers & Tips Set

**OTC** Steel, heat-treated internal and external retaining ring pliers with tips to handle many applications.

**Includes** internal ring pliers, external ring pliers & 16 tip sets (four .038" 90° tips, four .047" 45° tips, plus eight ea. of .047" & .070" straight tips).

Stk.	Mfr.	Price
693317	7053K	\$58.00



### Convertible Retaining Ring Pliers Set

**Proto** Patented plier design permits quick change-over to work internal or external rings. Each plier offers several ring sizes. Precision-formed, induction hardened tips for accurate fit and long wear. Tips engage rings securely and hold proper alignment preventing rings from flying loose. Long, ergonomic handles with cushion-grips are clearly marked. Pliers range from 5-7/8"L to 8-5/8"L.

**Includes** molded case plus, 1 pair each tip size in 0°, 45° & 90° angles: 038", .047", .070" & .090".

Stk.	Mfr.	Price
903060	360B	\$400.00



### Brake Caliper Socket Set

**Lisle** For servicing disc brakes. 3/8" square drive sockets with hex bits remove and replace floating caliper mounting bolts. 3/8" and 8mm hex bits for GM and 1/4" hex bit for Ford.

**Includes** 1/4", 8mm & 3/8" sockets.

Stk.	Mfr.	Price
503802	12550	\$10.50



### Universal Disc Brake Caliper Tool

**Lisle** For rotating the brake piston back into the caliper to provide clearance for new pads. 5 adapters for use in 2 and 4-wheel disc brake assemblies of most domestic and import cars (adapter 2B fits Mazda 3 & some Jaguar applications). Tool makes the job easy while preventing damage to the piston and boot.

Stk.	Mfr.	Price
503732	25000	\$90.20



### Brake Bleeder Wrenches

**Lisle** Designed for bleeding air from brake cylinders with bleeder screws. Tools are double-ended and offset for easy access.

Stk.	Mfr.	Description	Price
503730	10900	For 5/16" to 3/8" Screws	\$9.32
503731	10950	For 1/4" to 3/8" Screws	\$9.32



### Brake Adjustment Tool

**Lisle** Speeds star wheel adjusting. Insert tool through slot in backing plate. Different angle at each end adapts to various makes and models.

Stk.	Mfr.	Price
503886	50700	\$5.79



### Brake Spring Washer Tool

**Lisle** Tool fits both large and small washers. Wide "window" allows better visibility to align the nail and washer slot.

Stk.	Mfr.	Price
503866	47400	\$8.55

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!



### Deluxe Metal Vacuum Pump

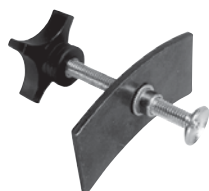
**OTC** One person can quickly and cleanly bleed automotive brake and hydraulic clutch systems, as well as get answers to numerous diagnostic and mechanical problems.

- Precision-made repairable vacuum pump w/360° ga. rotation for improved visibility

- Pumps up to 1 cubic inch (16cc) per stroke
- Develops & maintains up to 25" of mercury vacuum

**Includes** two 2'L x 1/4" ID hoses, 2 universal bleed screw adapters, rubber cup adapter, vacuum "T" adapter, automotive test & bleed adapters, 4-1/2 oz. reservoir jar w/fluid transfer, storage lid & manual.

Stk.	Mfr.	Price
<b>693441</b>	7559A	<b>\$78.90</b>



### Disc Pad Spreader

**Lisle** For installing pads on most domestic and import cars and light trucks. Tool compresses disc brake piston for easy pad installation.

Stk.	Mfr.	Price
<b>503842</b>	24400	<b>\$10.50</b>



### Quick Quad Brake Pad Spreader

**Lisle** Quickly spreads brake pads and compresses disc brake pistons for pad replacement on single, double and quad piston calipers. Simultaneously compress all 4 pistons on quad piston applications. Makes brake pad replacement a quick and easy job.

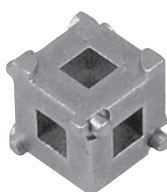
Stk.	Mfr.	Price
<b>503810</b>	29100	<b>\$75.20</b>



### Brake Pad Gauge

**OTC** Takes definitive measurement to determine remaining life of brake pads without removing any components on most vehicles. Quick reference of condition via color code scale.

Stk.	Mfr.	Price
<b>693438</b>	6596	<b>\$26.80</b>



### Disc Brake Piston Tool

**Lisle** Rotates pistons back into the caliper when replacing pads. For vehicles with 4 wheel disc brakes. 6 piston configurations fits most domestic and some import applications. Use with 3/8" drive ratchet and extension.

Stk.	Mfr.	Price
<b>503929</b>	28600	<b>\$12.60</b>



### Mini Tubing Cutter

**Lisle** Smooth nylon action cuts tubing quickly. Small size for use in tight spots. Cuts all type of metal tubing. Easy-to-use nylon cutter is non corrosive for long life.

Stk.	Mfr.	O.D. Capacity	Price
<b>503888</b>	50000	5/8"	<b>\$8.78</b>

## WHEEL TOOLS



### Tire Spreader

**Coats** Adjustable spreader action from 0" to 10". Handles from small lawn mower tires to wide track tires. Locks into position for various widths. Locking handle and slide lock are replaceable. Fits all Coats model center posts for easy top-of-machine working heights.

Stk.	Mfr.	Price
<b>471402</b>	108028	<b>\$202.00</b>



### Tire Tread Depth Gauge

**Milton** Tire tread depth gauge has a large base, flat blade and pocket clip. Accurately measures the depth of the new "Sipe Treads" as well as conventional treads. Round aluminum indicator bar calibrated from 0 to 1" in 1/32" markings. A must for determining remaining tire life.

Stk.	Mfr.	Price
<b>968364</b>	448	<b>\$5.60</b>



### Valve Core Tool

**Lisle** Heat-treated steel tip for removing and installing standard valve cores. A dual durometer handle for comfort with a rotating knob on the end allowing the tool to turn smoothly while applying pressure with the palm of your hand. The 5.7"L tool can reach valve stems on the inner dual wheels. Includes pocket clip.

Stk.	Mfr.	Price
<b>503792</b>	15190	<b>\$11.60</b>



### Valve Core Torque Tool

**Lisle** Properly installs and removes valve cores, including late model vehicles with the tire pressure monitoring system (TPMS). Torque tool is set to 4 inch lbs., to prevent under and over torquing the valve core. Helps prevent valve core leaks causing low tire pressure and possible TPMS alerts. Slim design allows access in tight spots.

Stk.	Mfr.	Price
<b>503813</b>	18810	<b>\$24.10</b>



### Center Post Tire Changer

**Coats** Dual direction powered center post tire changer has grown to accommodate more of today's wheels. The larger diameters and tougher wheels are no match for the increased capacity and bi-directional power you will find in the 4070 model.

- Single bead loosener shoe for easier positioning
  - Power reverse functionality
  - Rebuildable/serviceable cylinder
  - 900 ft.-lb. operating torque
  - Lower anti-rotation pin for ease of use
- Rim 10"-18" dia. x 1-1/2"W to 10-1/2"W. Max. Tire dia. 38" (outside). Drive system air (powered forward & reverse, dual cylinders). Air source 110 to 175 PSI. Chassis footprint 53"W x 17"D x up to 51" H. Power requirements 5 SCFM @150 PSI capable. Weight 575 lbs. (shipping)

**Includes** storage tray, lube applicator, lube bottle, bead lift tool, hose w/air chuck & inflation safety limiter.

Stk.	Mfr.	Price
<b>471221</b>	4070	<b>\$4,404.00</b>



### Verobal Series™ V200 Wheel Balancer w/Adapter Kit

**Coats** The Verobal Series™ V200 takes wheel balancing to a new level by eliminating the compromises that plague other balancing methods. Powered by Coats'® exclusive Direct Drive system, the V200 delivers a superior balance result the first time, every time.

- Direct Drive system integrates balancer's robust motor & spindle into a single, factory pre-balanced assembly w/no noise

- ProBalance Technology™ provides a unique balancing algorithm & unbalance correction methodology that minimizes both static & couple unbalance
- Industrial Grade Touchscreen is built to last
- Laser Guided Operation® pinpoints the exact weight location, both radially & axially & eliminates trial & error for easy behind-the-spoke balances

**Includes** Basic Pro Adapter Kit (85609487) for most OE passenger cars & some OE light trucks.

Stk.	Mfr.	Price
<b>558221</b>	MW-V200	<b>\$7,999.00</b>



### Static Wheel Balancer

**Coats** Eliminate up and down vibration caused by wheel and tire assemblies that have static imbalance. This tool also eliminates premature tire and parts wear caused by excessive vibration.

- For most passenger cars & many light truck wheels
- Wheel center hole range is 1.5" to 4.5"

Stk.	Mfr.	Price
<b>468695</b>	M-61	<b>\$403.00</b>

### Inflator Gauge



**Milton** Heavy-duty inflator gauge for everyday use. Magnifying lens with thin line indicator ring allows full view of scale. Measures 10 lbs. to 120 lbs. in 2 lb. increments. Gauge has full swivel dual-head chuck.

Stk.	Mfr.	Price
<b>968370</b>	506	<b>\$49.70</b>



### Tire Pressure Testers Milton

Dual chuck truck tire gauge, 2 sides 20 to 120 psi in 2 lb. increments and 2 sides 120 to 820 in 20 kPa increments.

Stk.	Mfr.	Price
<b>968673</b>	927	<b>\$10.60</b>

Easy-to-read nylon indicator bar is calibrated 2 sides from 10 to 160 lbs. in 2 lb. units and 2 sides from 80 to 1,100 kPa in 20 kPa units.

Stk.	Mfr.	Price
<b>968675</b>	976	<b>\$21.40</b>

Pencil-type tire gauge provides the finest in accurate, long life and trouble free performance. For use on bicycles, RVs and trucks. Nylon indicator bar with red marker. Gauge has 2 sides measuring from 20 to 120 psi in 2 lb. increments, and from 120 to 820 kPa in 20 kPa increments.

Stk.	Mfr.	Price
<b>968672</b>	925	<b>\$7.25</b>

Pencil-type tire tester calibrated in 1 lb. steps from 5 to 50 lbs.

Stk.	Mfr.	Price
<b>968670</b>	921	<b>\$6.97</b>



### Digital Tire Gauge

**Milton** Easy-to-use, instant read tester with auto on/off. 2-60 psi.

Stk.	Mfr.	Price
<b>968740</b>	99900	<b>\$16.50</b>



### Mini Dial Gauge

**Victor** Easy-to-read compact gauge for auto, SUV, RV and light trucks. 5-60 psi.

Stk.	Mfr.	Price
<b>942648</b>	22-5-08770-8	<b>\$6.97</b>



### Dual Head Air Chuck

**Milton** Manufactured to exacting standards. 1/4" female N.P.T.

**Sealing type chuck is not to be used w/Milton inflator gauge.**

Stk.	Mfr.	Price
<b>968396</b>	690	<b>\$8.38</b>



### Cross Rim Wrench

**Custom** 20" long. Hexagon openings, sizes 3/4", 13/16", 7/8" and 15/16".

Stk.	Mfr.	Price
<b>968201</b>	84442	<b>\$20.50</b>



### 4-in-1 Valve Repair Tool

**Milton** For valve stem and core. Rethreads inside and outside of valve stem. Insert, tighten or remove valve core (with guide, included). Removes core if shoulders are broken. Steel-plated, corrosion resistant.

Stk.	Mfr.	Price
<b>968360</b>	445	<b>\$2.11</b>



### Valve Insertion & Removal Tool

**Milton** All-steel tool provides leverage for positive seating and removal of "snap-in" type valves. Deep threaded head assures ease of valve stem attachment. Plated to resist corrosion.

Stk.	Mfr.	Price
<b>968365</b>	449	<b>\$11.00</b>



### Tire Repair Kit

**Victor** Repairs steel belted tires.

**Includes** 3 black strings, needle, rasp & cement.

Stk.	Mfr.	Price
<b>942953</b>	M8804	<b>\$5.06</b>



### Heavy Duty Tire Repair Kit

**Victor** Repairs all tire types.

**Includes** 5 black strings, pistol grip rasp & inserting tools.

Stk.	Mfr.	Price
<b>942952</b>	M8710	<b>\$11.10</b>



### Tire Deflator Set

**Lisle** Quickly evacuates air from tires without removing valve core. Tools are marked so tires can be returned to their original position on the vehicle so TPMS will not need to be reset.

Stk.	Mfr.	Price
<b>503755</b>	19860	<b>\$17.60</b>

## BODYTOOLS



### Soft Face Hammer w/Hickory Handle

**Stanley** Replaceable tips are made of tough plastic that won't mar finely finished surfaces. Handles are made of hickory securely locked in steel center body.

Stk.	Mfr.	Handle	Weight	Price
<b>859023</b>	57-594	12"L	8 oz.	<b>\$24.00</b>
<b>859090</b>	57-595	13-1/2"L	16 oz.	<b>\$26.70</b>



### Roll Head Pry Bars

**Mayhew** Forged from top quality steel and heat-treated for superior strength. The 90° angle bar provides the greatest leverage for the toughest jobs.

Stk.	Mfr.	Stock	Length	Price
<b>528610</b>	40101	1/2"	16"	<b>\$17.10</b>
<b>528611</b>	40102	5/8"	18"	<b>\$20.80</b>



### Car Door Handle Spring Remover

**Zim** For General Motors and Ford cars. Removes spring clip from behind door and window handle. Steel, chrome finish.

Stk.	Mfr.	Price
<b>988474</b>	720	<b>\$7.00</b>



### Door Panel Remover

**Lisle** Bent handle design allows use where space is limited, and provides extra prying force. Square cut-out tip provides a no-slip grip, even on fasteners with small ears.

Stk.	Mfr.	Price
<b>503860</b>	35350	<b>\$15.80</b>



### Window Belt Molding Remover

**Lisle** Powder-coated tool quickly removes belt molding without damage to window or molding. Fits most domestic and import vehicles.

Stk.	Mfr.	Price
<b>503749</b>	35150	<b>\$16.10</b>



### Door Upholstery Remover

**Lisle** Heavy duty, with large comfortable handle to easily remove plastic fasteners.

Stk.	Mfr.	Price
<b>503928</b>	35400	<b>\$10.50</b>



### 5-Piece Super Out Screw Extractor Set

**Lisle** Extremely strong set made of special hardened, shock-resistant tool steel. Works on left- and right-hand threads. Extractors cut their way straight into bolts, eliminating wedging or

further tightening of frozen bolts and screws. Extracts 1/4" to 1/2" bolts and screws.

**Includes** 5 extractors (removes bolt sizes 1/4", 5/16", 3/8", 7/16", 1/2").

Stk.	Mfr.	Price
<b>503898</b>	62900	<b>\$17.60</b>



### Masking Tape

**3M Tartan** Economy grade for various uses.

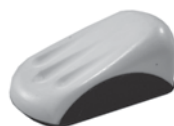
Stk.	Mfr.	Width	Length	Price
<b>590224</b>	200	1/2"	60 yd.	<b>\$2.48</b>
<b>590226</b>	5142-18E	3/4"	60 yd.	<b>\$1.91</b>
<b>590228</b>	5142-24A	1"	60 yd.	<b>\$2.52</b>
<b>590230</b>	5142-36A	1-1/2"	60 yd.	<b>\$3.78</b>
<b>590232</b>	5142-48A	2"	60 yd.	<b>\$5.06</b>



### Sanding Block

**NORTON** Hard but flexible rubber. Paper clamps easily and quickly. Sheet size 2-3/4" x 9".

Stk.	Mfr.	Price
<b>608251</b>	43140	<b>\$6.06</b>



### Ergonomic Palm Sander Disc Kit

**NORTON** Finger-grip indentations and curved design quickly convert a 5" dia. hook & loop disc into a comfortable palm sander for finishing flat surfaces. Sanding discs sold separately.

Stk.	Mfr.	Price
<b>600511</b>	03147	<b>\$24.10</b>



### Sanding Sponges

**NORTON** Flexible sanding sponge can be used for curved or flat surfaces.

- Convenient, easy to use wet or dry

- Reusable & washable to eliminate loading for increased sanding life
- Use on wood, paint, metal, plastic & drywall
- Durable, lasts longer than sandpaper

### Small area sanding sponges

Stk.	Mfr.	Grit	Sponge Size	Qty.	Price
<b>608522</b>	49502	Fine/Medium	4" x 2-3/4" x 1"	1	<b>\$2.04</b>
<b>608524</b>	49504	Fine/Medium	4" x 2-3/4" x 1"	24	<b>\$37.80</b>
<b>608523</b>	49503	Medium/Coarse	4" x 2-3/4" x 1"	1	<b>\$2.04</b>
<b>608525</b>	49505	Medium/Coarse	4" x 2-3/4" x 1"	24	<b>\$37.80</b>

### Contour sanding sponges

Stk.	Mfr.	Grit	Sponge Size	Qty.	Price
<b>598952</b>	00937	Extra Fine	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>
<b>598953</b>	00938	Fine	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>
<b>598954</b>	00939	Medium	4-1/2" x 5-1/2" x 3/16"	2	<b>\$3.91</b>

### Flexible sanding sponges

Stk.	Mfr.	Grit	Sponge Size	Qty.	Price
<b>598965</b>	00946	Fine	3" x 4" x 1/2"	3	<b>\$2.34</b>
<b>598967</b>	00947	Medium	3" x 4" x 1/2"	3	<b>\$2.34</b>
<b>598969</b>	00948	Coarse	3" x 4" x 1/2"	3	<b>\$2.34</b>

### Paint & drywall sanding sponges

Stk.	Mfr.	Grit	Sponge Size	Qty.	Price
<b>598955</b>	00941	Medium/Fine	4-7/8" x 2-7/8" x 1"	1	<b>\$4.38</b>
<b>598957</b>	00944	Medium/Fine	3-5/16" x 9" x 1"	1	<b>\$6.54</b>

**Tufbak Durite Sandpaper**

**NORTON** For sanding between primer coats and other finishes on wood or metal with water or other lubricants. Diamond-like close coat abrasive electro-coated to a tough, waterproof backing. 9" x 11" sheets.

**C weight paper**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>599090</b>	01150	180-C	50	<b>\$52.10</b>
<b>599095</b>	01155	150-C	50	<b>\$52.10</b>
<b>599100</b>	01160	120-C	50	<b>\$54.90</b>
<b>599105</b>	01165	100-C	50	<b>\$63.90</b>
<b>599110</b>	01170	80-C	50	<b>\$71.50</b>

**B weight paper**

Stk.	Mfr.	Grit	Qty./Pkg.	Price
<b>598995</b>	39360	600-B	50	<b>\$43.10</b>
<b>599000</b>	39361	500-B	50	<b>\$43.10</b>
<b>599005</b>	39362	400-B	50	<b>\$43.10</b>
<b>599020</b>	39364	320-B	50	<b>\$43.10</b>
<b>599072</b>	39365	280-B	50	<b>\$43.10</b>
<b>599085</b>	39367	220-B	50	<b>\$43.10</b>

**CLEANING & WIPING CLOTHS****Tan Tack Cloth**

**TufPro** Premium quality pre-finish duster cloth made of 100% cotton surgical cheesecloth. The medium-heavy tan tack is safe for all finishes. Use between coats when refinishing wood or metalworking projects.

Stk.	Mfr.	Size	Price
<b>942868</b>	10501	18" x 36"	<b>\$1.82</b>

**Micro-Fiber Dry Tack Cloth**

**NORTON** For general dry applications. Works best when sprayed with a light water mist to deep clean. Can be washed 300+ times without losing its cleaning and trapping abilities.

Stk.	Mfr.	Size	Price
<b>600509</b>	06038	16" x 16"	<b>\$5.70</b>

**White Rags in a Box**

**Scott** The strength of cloth with the absorbency of a sponge. Pop-up dispenser box.

Stk.	Mfr.	Qty.	Price
<b>942724</b>	75240	85	<b>\$8.43</b>
<b>942725</b>	75260	200	<b>\$19.00</b>

**Wiping Cloths**

**Kimberly-Clark** Cloth-like towels for heavy cleaning or polishing. 12" x 15" white cloths. Ideal for cleaning jobs. 56 sheets/pkg.

Stk.	Mfr.	Qty.	Price
<b>482779</b>	05701	18 pkg./case	<b>\$110.00</b>

**Mechanic's Shop Towels**

**Clean Rite** 100% cotton shop towels for oil and grease spills or general cleanup. Red. 13" x 14".

Stk.	Mfr.	Qty.	Price
<b>943303</b>	3-542	25/pkg.	<b>\$9.35</b>

**Shop Towel Roll**

**Scott** Shop towel roll is ideal for cleaning up the toughest grease, grime & solvents. Heavy-duty, disposable and reusable. Reinforced with synthetic innovative Hydroknit technology. 3 times stronger when wet.

Stk.	Mfr.	Qty.	Price
<b>943312</b>	32992	60 ct. roll	<b>\$5.29</b>

**Exact Cuts Shop Towels**

**Intex** Exact cut T-shirt rags for painting and staining. Each 14" x 16" cloth comes without seams, holes or ragged, stringy edges. Prewashed for super absorbency and low lint.

Stk.	Mfr.	Qty.	Price
<b>942903</b>	VV-30005	30	<b>\$18.70</b>

**Contractor's Choice Shop Towels**

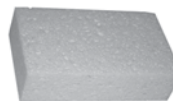
**Intex** Lint-free rags for painting, staining, polishing and cleaning. White washed and bleached all new cotton T-shirt rags are extra absorbent and soft.

Stk.	Mfr.	Size	Price
<b>942901</b>	6414-10	8 lb.	<b>\$29.80</b>

**Chamois**

**Tanner** Durable, fast absorbing sheepskin chamois. Scratch-free drying and polishing without streaks or spots. 100% cod oil tanned for super absorbency.

Stk.	Mfr.	Size	Price
<b>942965</b>	TSX	1-1/2 sq./ft.	<b>\$7.48</b>
<b>942966</b>	TS20	2-1/2 sq./ft.	<b>\$12.70</b>

**Commercial Sponge**

**3M** Extra-large, highly-absorbent cellulose sponge is durable and less likely to fall apart.

Stk.	Mfr.	Size	Price
<b>943246</b>	7456-T	7.5"L x 4.4"W x 2"H	<b>\$4.68</b>

**C-Fold Towels & Dispenser**

**Kimberly-Clark**

**C-Fold Hand Towels** White 1-ply, 175 sheets/pkg. 25 pkg./case

Stk.	Mfr.	Price
<b>482783</b>	01980	<b>\$78.60</b>

**Dispenser** Gray.

<b>482782</b>	09905	<b>\$64.50</b>
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## HAND CLEANERS



### Go-Jo® Hand Cleaners

**Go-Jo** A complete line of heavy to medium-duty hand cleaners. Effective on a wide range of soils. Specialized hand cleaners are formulated for specific soil types.

**Fine Italian Pumice** Creme formula fine pumice particles for extra cleaning action. Removes heavy grease, tar & oil.

Stk.	Mfr.	Size	Type	Price
<b>968045</b>	1135-06	4 lb.	Plastic Cartridge	<b>\$18.80</b>

**Original Formula™** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

<b>968040</b>	1115-06	4.5 lb.	Plastic Cartridge	<b>\$17.20</b>
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**Original Formula™ Hand** Creme formula contains soothing emollients. Removes heavy grease, tar & oil. Rub, then wipe clean w/towel or rinse off.

<b>968050</b>	1141-12	14 oz.	Plastic Cartridge	<b>\$3.03</b>
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**Creme-Style Dispenser** For Fine Italian Pumice, Original Formula & Orange Smooth (also for 0905-06, 0915-06, 1075-06, 1095-06, 1144-06 & 1145-06).

<b>968070</b>	1204-01		Creme-style dispenser	<b>\$24.00</b>
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**Natural Orange™ Smooth** Quick-acting lotion formula for cleaning industrial soils, medium dirt & grease. Orange scent.

<b>968015</b>	0947-12	14 oz.	Squeeze bottle w/nail brush	<b>\$5.11</b>
<b>968014</b>	0945-04	1 gal.	Bottle w/Pump	<b>\$15.50</b>

**Natural Orange™ Pumice** Quick-acting lotion w/pumice scrubbing particles clean industrial soils, medium dirt & grease. Orange scent.

<b>968018</b>	0957-12	14 oz.	Squeeze bottle w/nail brush	<b>\$5.11</b>
<b>968017</b>	0955-02	1 gal.	Bottle w/Pump	<b>\$15.50</b>



### Lava Bar Soap

**Lava** The original pumice powdered heavy-duty hand cleaner. Cleans away grease, oil, tar, ink, paint, adhesives, caulk and lubricants.

Stk.	Mfr.	Size	Qty.	Price
<b>618719</b>	10085	5.75 oz.	1	<b>\$2.98</b>



### Powdered Hand Soap

**Boraxo** A mild abrasive that gets the dirt and grime out of hands. Box with pour spout.

Stk.	Mfr.	Size	Price
<b>942816</b>	02203	5 lb.	<b>\$13.90</b>



### Klein Kleen Hand Cleaning Towels

**Klein** Pre-moistened hand towels clean like a pumice-based lotion, but without the messy, gritty residue. No rinsing or drying, just sink-free cleaning. Works on oils, tar, adhesives, asphalt, wax, graphite, grease, and more. Polyethylene bucket with a resealable dispenser prevents the towels from drying out if the closure is left open.

**Includes** 72 towels (9" x 12" each).

Stk.	Mfr.	Price
<b>945317</b>	51425	<b>\$21.50</b>



### Instant Hand Sanitizer

**Dial** For fewer student sick days, use hand sanitizer to kill harmful germs. No soap, water or towels needed. Contains moisturizers and leaves no harmful residue. Dermatologist tested and hypoallergenic.

Stk.	Mfr.	Size	Price
<b>943157</b>	01219	7.5 oz.	<b>\$4.37</b>

## DEGREASERS & STAIN REMOVERS



### Original Krud Kutter

**Krud Kutter** Cut grease, grime, oil, tar, wax and more. Spray to safely clean food stains, dried latex paint, paint overspray, tape residue, glue and adhesive, acid rain, bird droppings, smoke damage, tree sap, marker, crayon, brake dust, oxidation, scuff marks, blood stains, gum, soap scum, mildew stains. Recommended for

pressure washers and carpet cleaning machines. Earth-friendly water-based, nontoxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
<b>889350</b>	KK32	32 oz.	<b>\$11.40</b>
<b>889345</b>	KK01	1 Gal.	<b>\$21.10</b>



### Biodegradable Degreaser

**LiquiFix** Non-staining, industrial-strength formula removes oil, grease and grime from multiple surfaces and machinery. Dissolves fats, tar, adhesives and stains. Safe for automotive finishes and leaves no residue. Made from renewable base oils. Miscible formula for easy water rinsing. Non-hazardous, contains no chlorinated solvents.

Stk.	Mfr.	Size	Price
<b>502600</b>	200116	16 oz.	<b>\$11.70</b>



### General Purpose Cleaner & Degreasers

**Gunk** For cleaning a variety of surfaces and soils. Non-ionic surfactant blend penetrates oils, greases and other soils to release them from the surface so they can be rinsed or wiped away. Neutral pH and safe to use on painted surfaces. Water miscible and can be used full strength or diluted with water.

Stk.	Mfr.	Size	Price
<b>688112</b>	GB16-32	32 oz.	<b>\$8.40</b>
<b>688113</b>	GB16-1G	1 gal.	<b>\$19.80</b>



### Tough Task Citrus Remover

**Krud Kutter** Commercial-strength formula safely and easily removes chewing gum, dried latex paint, stickers, tape, glue, ink, crayon, shoe polish, tar, asphalt, oil, grease, lipstick, soap scum, mildew, cosmetics. Not for use on leather, wood or other varnished surfaces. Environmentally-friendly cleaner is nontoxic, nonabrasive, nonflammable and biodegradable.

Stk.	Mfr.	Size	Price
<b>889343</b>	KC32	32 oz.	<b>\$11.60</b>



### Purple Cleaner Degreaser

**Gunk** Concentrated degreaser is powerful and fast-acting. Removes grease, oil, wax, tar & dirt. Use on cold engines, tires, concrete floors, vinyl siding, ovens, appliances and more.

Stk.	Mfr.	Size	Price
<b>688109</b>	CL32	32 oz.	<b>\$6.51</b>



### Goo Gone Spray Gel

**Homax** Trigger bottle application allows gel to cling to the surface for no-drip, no-mess cleaning. Since gel holds onto the stain, it cleans quickly and effectively removes chewing gum, laundry stains, crayon, wax and more.

Stk.	Mfr.	Size	Price
943266	GGHS12	12 oz.	\$9.00



### Tough Task Remover

**Krud Kutter** Safely removes chewing gum, masking tape, printer's ink, soap scum, scuff marks, food stains, crayons, grease, oil, stickers, ink, shoe polish, wax, most glues, lipstick, tar and more. Environmentally-friendly, water-based, non-toxic, nonabrasive, biodegradable cleaner.

Stk.	Mfr.	Size	Price
889348	KR01	1 Gal.	\$21.90



### Heavy Duty Citrus Degreaser

**Gunk** Powerful blend of solvents and surfactants specifically designed to break through layers of oil and grease. Spray on and wipe away to instantly remove the debris that causes machines to fail. Packed with a citrus punch and a pinpoint accurate spray nozzle for hard to reach areas. For use on all types of tools, metal work surfaces, vices and industrial machinery. Can also be used on durable concrete and painted surfaces.

Stk.	Mfr.	Size	Price
688111	CTD15	15 oz.	\$7.80

## ENGINE DRESSINGS & CLEANERS



### Belt Dressing & Conditioner

**Permatex** Extends belt life by penetrating V belt cord fibers to restore flexibility. Prevents slippage due to heat, cold, dampness, dust and glazing. Eliminates squeaking. Flammable contents.

Stk.	Mfr.	Size	Price
504460	120DA	12 oz.	\$8.93



### Pro Series Brake Parts Cleaner

**Gunk** High solvency and fast evaporation, cleaner instantly degreases conventional and disc brake assemblies. Dissolves and flushes away brake fluid, grease, oil and other contaminants without disassembly.

Stk.	Mfr.	Size	Price
688160	M720	19 oz.	\$6.50



### Ultra-low VOC Brake Parts Cleaner

**Gunk** Cleans and degreases brake linings, cylinders, drums, rotors, clutches, CV joints, etc. Non-chlorinated acetone, toluene and carbon dioxide formula is compliant (*used in any amount*) in all jurisdictions.

Stk.	Mfr.	Size	Price
688150	M710	14 oz.	\$5.54



### Disc Brake Quiet Spray

**Gunk** Aerosol spray stops disc brake squeal and eliminates pad chatter.

Stk.	Mfr.	Size	Price
688130	M609	9 oz.	\$9.75



### Non-Chlorinated, Low VOC Carb-Medic Cleaner

**Gunk** California compliant, low VOC carb, valve and choke cleaner. Powerful blend of solvents quickly remove dirt, varnish, gum, carbon deposits, and sludge from carburetor and combustion chamber of gasoline engines.

Stk.	Mfr.	Price
688178	M4815NC	\$5.07



### Carb-Medic Carburetor Parts Cleaner

**Gunk** Powerful solvents quickly remove dirt, varnish, gum, carbon deposits and sludge from the carburetor and combustion chamber of gasoline engines.

Stk.	Mfr.	Size	Price
688180	M4816	12 oz.	\$4.30



### Carburetor & Parts Cleaner

**Gunk** Earth-friendly solvent thoroughly cleans metal parts. It also removes soil and grime deposits, plus paint and varnish.

**Includes** dip basket.

Stk.	Mfr.	Size	Price
688110	CC3K	96 oz.	\$35.20



### Thrust® Quick Starting Fluid

**Gunk** High-temperature fluid starts gasoline and diesel engines. For cars, trucks, tractors and other motorized equipment.

Stk.	Mfr.	Size	Price
688175	M3815	11 oz.	\$4.75



### Foamy Engine Brite Degreaser

**Gunk** Foaming degreaser removes heavy grease, dirt and grime from most engines. Fast acting and highly effective.

Stk.	Mfr.	Size	Price
942894	FEB1	17 oz.	\$6.40

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



### Engine Brite Degreaser

**Gunk** Aerosol engine degreaser for gas or diesel engines, farm and construction equipment, bicycles and industrial machinery. Spray on, hose off.

Stk.	Mfr.	Size	Price
942979	EBI	15 oz.	\$6.40

## GASKET SEALANT



### Form-a-Gasket® No. 1 Sealant

**Permatex** Fast-drying, hard-setting sealant for sealing rigid materials and flanges, or patching holes and joints for permanent assembly. Use for spark plugs, threaded connections and manifold gaskets. Resists common shop fluids and fuels. Works from -65°F to 400°F.

Stk.	Mfr.	Size	Price
504495	80008	3 oz.	\$5.17



### Form-a-Gasket® No. 2 Sealant

**Permatex** Slow-drying, non-hardening sealant for sealing cut gaskets and stamped parts. Allows for easy disassembly. Use for sealing, not adhesion. Resists common shop fluids and fuels. Works from -65°F to 400°F.

Stk.	Mfr.	Size	Price
504496	80016	3 oz.	\$5.08



### Form-a-Gasket® Sensor-Safe Blue RTV Silicone Gasket Maker

**Permatex** Silicone gasket maker replaces almost any cut gasket. Makes reliable formed-in-place gaskets that withstand temps to 500°F and high pressures. Resists cracking, shrinking and migrating caused by thermal cycling. Coats pre-cut gaskets to increase reliability. Dries tough and flexible. First generation 1970-1980 gasket maker.

Stk.	Mfr.	Size	Price
504375	6BR	3 oz.	\$5.64



### Form-a-Gasket® No. 3 Aviation Sealant

**Permatex** Slow-drying, non-hardening brush-top sealant approved for use in aviation and auto applications. Use for close-fitting machined surfaces, sealing hoses, solid gaskets. Works from -65°F to 400°F. Resists gasoline, oil and grease.

Stk.	Mfr.	Size	Price
504497	80019	4 oz.	\$7.43



### High-Temp RTV Silicone Gasket Maker

**Permatex** Formulated for high temperature applications and heavy-duty use. Replaces almost any cut gasket. Makes reliable formed-in-place gaskets that resist cracking, shrinking and migrating caused by thermal cycling. Coats pre-cut gaskets to increase reliability. Temperature range -75°F to 650°F intermittent. First generation 1970-1980 gasket maker.

Stk.	Mfr.	Size	Price
504405	26BR	3 oz.	\$8.70



### Ultra Blue® Sensor-Safe RTV Silicone Gasket Maker

**Permatex** Designed to meet today's technology changes. Sensor safe, low odor, noncorrosive. Outstanding oil resistance and joint movement values. 8x more flexible than cork/composite gaskets, 3 times more oil resistant than conventional silicone. Temperature range -75°F to 500°F intermittent, resists auto and shop fluids and vibration.

Stk.	Mfr.	Size	Price
504440	77BR	3.35 oz.	\$8.32



### Gasket Remover

**CRC** Removes baked on fiber gaskets, gasket adhesives and sealants. Dissolves paints, lacquers, adhesives and varnish. Contains no methylene chloride.

Stk.	Mfr.	Size	Price
532795	03017	16 oz.	\$17.20

## ADHESIVES



### Auto Adhesive & Sealant

**Goop** Bonds to metal, glass, plastic, vinyl and leather. Useful for a wide variety of repair applications. Withstands heat up to 150°F.

Stk.	Mfr.	Size	Price
375905	160011	3.7 oz.	\$6.63



### E-6000® Series Industrial Strength Adhesive

**Goop** High performance strength in adhering metals, glass, rubber and plastics makes it a universal maintenance and repair adhesive. Provides adhesion strength and versatility not found in silicones and rubber cements. Self-leveling, flexible, chemical resistant, waterproof and paintable.

Stk.	Mfr.	Size	Price
375920	230022	3.7 oz.	\$6.88

## BATTERY CLEANERS



### Battery Terminal Cleaner

**Gunk** Cleans corrosion from battery terminals, cables and surrounding surfaces. Neutralizes acid on and around battery terminals. Safe to use on electrical connections in next-generation and/or hybrid vehicles.

Stk.	Mfr.	Size	Price
688100	BTC6	5 oz.	\$5.40



### Battery Terminal Protector

**Gunk** Provides a protective barrier to inhibit corrosion on battery terminals and cable connectors. Based on reliable lithium grease technology, it won't burn off like petroleum-based products and won't sag or run under the hot hood.

Stk.	Mfr.	Size	Price
688105	BTP6	6 oz.	\$5.40

## LUBRICANTS

**Lith-Ease® White Lithium Grease Aerosol**

**AGS** Aerosol white lithium grease is a long-lasting lubricant with excellent water and heat resistance. Protects against corrosion.

Stk.	Mfr.	Size	Price
<b>943152</b>	WL-16	10.25 oz.	<b>\$5.10</b>

**Anti-seize Lubricant**

**Permatex** Prevents thread galling, corrosion and cold welding in heavy-duty applications at temperatures -65°F (-54°C) to 2,000°F (1,000°C). Assures easier disassembly. Will not wash out or throw off. Resists moisture, salt and corrosion.

Stk.	Mfr.	Size	Price
<b>504478</b>	I33AR	1 oz.	<b>\$4.76</b>
<b>504482</b>	I33K	1/2 pt.	<b>\$12.60</b>

**Liquid Wrench® Lubricant**

**Gunk** Powerful blend of quick-acting, fast-penetrating solvent that loosens rusted nuts, bolts and parts in seconds. Protects all metal surfaces from rust and corrosion.

Stk.	Mfr.	Size	Price
<b>942951</b>	L2-04	4 oz. Drip	<b>\$3.78</b>
<b>942950</b>	L112	11 oz. Spray	<b>\$6.89</b>
<b>942949</b>	L116	Pt. Can	<b>\$9.66</b>

**Water Resistant Silicone Lubricant Spray**

**WD-40** Safely lubricates, waterproofs and protects metal and non-metal surfaces, including rubber, plastic and vinyl. Dries fast and leaves a clear, non-staining film. Effective temperature range from -100°F to 500°F. Ideal for cables, pulleys, guide rails, valves, linkages, hinges, locks and more.

**50-state VOC compliant.**

Stk.	Mfr.	Size	Price
<b>966031</b>	300011	11 oz.	<b>\$10.10</b>

**Specialist Rust Release Penetrant Spray**

**WD-40** Penetrates to break the bonds that hold stuck parts together. Leaves a protective layer and helps prevent rust and corrosion from re-forming. The Blu Torch™ synthetic additive quickly goes to work on rusted nuts, bolts, threads, locks and chains. Safe to use on plastics, rubber and metal.

**50-state VOC compliant.**

Stk.	Mfr.	Size	Price
<b>966030</b>	300004	11 oz.	<b>\$9.71</b>

**Dielectric Silicone Compound**

**AGS** Silicone/bulb grease locks out moisture and avoids corrosion. Seals and protects all electrical connections.

Stk.	Mfr.	Size	Price
<b>942632</b>	DS-2	.08 oz.	<b>\$3.60</b>

**3-in-1 Oil**

**WD-40** The multipurpose oil that does it all. It lubricates, cleans and prevents rust.

**966001 966020**

Stk.	Mfr.	Size	Price
<b>966001</b>	10038	8 oz. Drip	<b>\$6.00</b>
<b>966020</b>	100703	4 oz. Drip w/Telescoping Spout	<b>\$4.78</b>

**Liquid Wrench® Silicone Spray**

**Gunk** Compatible with all metals, rubber, plastic and wood. High-viscosity formula eliminates squeaks and lubricates all kinds of mechanical and automotive equipment.

Stk.	Mfr.	Size	Price
<b>688140</b>	M914	11 oz.	<b>\$6.45</b>

**WD-40 Spray Lubricant**

**WD-40** Multipurpose lubricant stops squeaks, free rusted parts and sticky mechanisms, protect metals and displace moisture, lubricate and restore smooth operation to moving parts and serve as lathe center lubricant. Flip attached straw into place for direct applications (gal. requires Spray Applicator Bottle, sold separately). Silicone-free and clean to use.

Stk.	Mfr.	Item	Size	Price
<b>966013</b>	11005	Smart Straw Spray	8 oz.	<b>\$6.33</b>
<b>966014</b>	10032	Smart Straw Spray	12 oz.	<b>\$8.46</b>
<b>966009</b>	10124	Big Blast Aerosol	18 oz.	<b>\$11.70</b>
<b>966008</b>	10010	Gallon	1 gal.	<b>\$27.40</b>
<b>966003</b>	10000	Spray Applicator Bottle		<b>\$5.62</b>

**Biodegradable Lubricant**

**LiquiFix** Penetrates and lubricates all surfaces including aluminum, nylon and rubber without pitting by creating a corrosion resistant barrier and forming an ultra thin, non-drying anti-static film. Protects against rust and corrosion and does not evaporate. Non-toxic, odorless. Effective to -35°F.

Stk.	Mfr.	Size	Price
<b>502610</b>	401216	16 oz.	<b>\$9.45</b>

**Extra Fine Graphite Lubricant**

**AGS** Fine dry powdered lubricant for locks, hinges, tools, bicycles & more.

Stk.	Mfr.	Size	Price
<b>942897</b>	MZ-5	32 grams	<b>\$5.02</b>

**Slide-All Dry Spray Lubricant**

**Elmer's** Teflon dry spray lubricant provides more slip than silicone and graphite, but without oily stains.

Stk.	Mfr.	Size	Price
<b>257619</b>	E450	4 oz.	<b>\$6.08</b>



### PB Blaster Penetrating Catalyst

**Blaster Chemical** Penetrates, lubricates, prevents rust and converts to a lubricating film after permeation. Fortified with surface oxidation and rust-proof chemistry. Starts wet ignitions and penetrates wet or icy frost. Intense wetting agent. Displaces moisture in electric relays.

Stk.	Mfr.	Size	Price
<b>943154</b>	I6-PB	11 oz.	<b>\$7.34</b>



### Multi Purpose Spray Lubricant

**3M** Specialized aerosol formula provides the characteristics of lubricating oil, penetrating oil, demineralizing coating and thin-bodied transparent rust preventative coating.

Stk.	Mfr.	Size	Price
<b>590253</b>	08898	10.5 oz.	<b>\$7.77</b>



### Premium Wheel Bearing Grease

**Pennzoil** High-performance grease providing high-temp protection and resistance to water washout. Extreme-pressure properties and high dropping point. Use for vehicles with disc brake and ABS systems. Ideal for chassis lubrication. Premium red color. Exceeds NIGI GC-LB specification.

Stk.	Mfr.	Size	Price
<b>943202</b>	7771	16 oz.	<b>\$7.80</b>



### White Lithium Grease

**AGS** All-weather, high-film strength grease guards against rust in all temperatures.

Stk.	Mfr.	Size	Price
<b>942660</b>	WL-15	16 oz.	<b>\$5.64</b>

## THREADLOCKERS



### Medium Strength Threadlocker Blue

**Permatex** Eliminates the need for stocking lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration. Protects threads from corrosion. Medium strength (60 ft. lbs.) for easy disassembly.

Stk.	Mfr.	Size	Price
<b>504550</b>	24240	36 ml	<b>\$31.30</b>



### High Strength Threadlocker Red

**Loctite** High-strength adhesive adds 3,400 psi of holding power on newer slip or press fit assemblies. Replaces set screws and snap rings. Requires extra effort or special tools for removal. Fills gaps to .007".

Stk.	Mfr.	Size	Price
<b>504529</b>	27100	6 ml. tube	<b>\$8.68</b>
<b>504556</b>	27140	36 ml. bottle	<b>\$31.30</b>



### Multi-Purpose Blue Threadlocker

**Devcon** Temperature and chemical-resistant locking compound keeps nuts and bolts from coming loose wherever vibration is a problem.

Stk.	Mfr.	Size	Price
<b>943268</b>	24345	6 ml.	<b>\$3.78</b>

## FLUIDS



### Pennzoil Motor Oil

**Pennzoil** Multi-viscosity 10W-30 motor oil.

Stk.	Mfr.	Size	Price
<b>943053</b>	3619	1 qt.	<b>\$9.34</b>



### Heavy-duty Brake Fluid

**Radiator Specialty** Heavy-duty brake fluid for US and foreign cars and trucks. Meets and complies with DOT 3 Federal Standard No. 116, Exceeds Federal VV-B680 and SAE J1703 specifications.

Stk.	Mfr.	Size	Price
<b>943051</b>	M4432	32 oz.	<b>\$7.56</b>
<b>943052</b>	M4434	1 gal.	<b>\$26.80</b>



### Power Steering Fluid & Stop Leak

**STP** Formulated to stop or reduce loss of fluid caused by leaky seals due to wear or shrinkage.

Stk.	Mfr.	Size	Price
<b>943039</b>	66046	12 oz.	<b>\$5.12</b>

## RUST REMOVERS & COATINGS



### Naval Jelly

**Duro** Chemically removes rust from all iron and steel surfaces. Brush-on, wash off.

Stk.	Mfr.	Size	Price
<b>504290</b>	01-80277	Pint	<b>\$8.39</b>



### Rust Remover

**Krud Kutter** Water-based formula penetrates metal to dissolve rust and oxidation through chemical action. Rust-inhibiting crystals bond with metal surface to resist future rusting. Dry surface may be painted, welded, plated, lubricated or left bare. Spray, brush or dip on rusted or new metal, galvanized metal, aluminum, stainless steel, cast iron, chrome, brass, concrete, brick, stucco, stone, marble, porcelain, fiberglass, ceramic, glass, rubber, plastic.

Stk.	Mfr.	Size	Price
<b>889360</b>	MR32	32 oz. spray	<b>\$13.50</b>



### Metal Polish

**Noxon** Use to clean and shine brass, bronze, copper, chromium, stainless steel, aluminum and pewter.

Stk.	Mfr.	Size	Price
<b>942803</b>	00117	12 oz.	<b>\$6.26</b>



### Specialist Rust Release Penetrant Spray

**WD-40** Penetrates to break the bonds that hold stuck parts together. Leaves a protective layer and helps prevent rust and corrosion from re-forming. The Blu Torch™ synthetic additive quickly goes to work on rusted nuts, bolts, threads, locks and chains. Safe to use on plastics, rubber and metal.

**50-state VOC compliant.**

Stk.	Mfr.	Size	Price
<b>966030</b>	300004	11 oz.	<b>\$9.71</b>



### Tite Seal Auto Body Rubberized Undercoating

**Gunk** Protects vehicle body against moisture, dirt, corrosive road salt and improves auto body soundproofing.

Stk.	Mfr.	Size	Price
<b>688430</b>	T1617R	16 oz.	<b>\$9.43</b>

## PARTS WASHERS

### Bench Top Solvent Parts Washer

**R & D** Equipped with flow-through brush for cleaning small parts. For use with petroleum based solvents with a flash point over 104°F. Not to be used with chlorinated solvents.

- Baked on powder coated epoxy finish
- Fire-protective lid closure up to 165°F
- Flex hose w/brush

Interior tank 25"L x 14"W x 9"H. Tool weight 52 lbs.  
Overall size 26-1/2" x 14"W x 22"H.

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>498506</b>	CM60	115	1	5 gal.	<b>\$436.00</b>



### EcoMaster 5

**KleenTec** Corrosion resistant heavy-duty pump.

- Flo-thru brush
- On-off switch built into cord
- Stainless steel lid & top
- Spring loaded door closure
- Heavy-duty, high density polyethylene tank

Interior tank 19"L x 3-1/4"W x 7"D.  
Overall size 21-1/2"L x 15-1/2"W x 10-1/2"H.

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>498518</b>	EM5	115	1	3-4 gal.	<b>\$307.00</b>



### Solvent Brake Washer

**R & D** Portable brake washer equipped with handle, flow-through brush and 4 casters (2 locking). Clean brake components without removing parts from the vehicle. For use with petroleum based solvents with a flash point over 104°F. Not to be used with chlorinated solvents.

- Split-lid w/fusible links 165°F

- Durable, baked on powder coated epoxy finish
- Removable work tray

Interior tank 32"L x 22"W x 10"H. Fluid depth 2-3/4" min., 5-3/4" max.  
Overall size 36"L x 26"W x 12"H.

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>498505</b>	CM400	115	1	12 gal.	<b>\$920.00</b>



### Recirculating Parts Cleaner

**Graymills** Works with as little as 2-1/2 gal. of solvent. 10 gal. maximum solvent capacity. 3-way solvent filtration system. 16 ga. metal tank back and bottom. 18 ga. front and sides.

Interior tank 30"L x 18"W x 8-3/4"H.  
Overall size 36"L x 18"W x 53-1/2"H (w/lid).

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>432425</b>	HK150-A	115	1	2.5-5 gal.	<b>\$977.00</b>



### Handi-Kleen® PL 36

**Graymills** Parts are scrubbed by a hand-held brush under the flush hose, then rest on removable sloped metal shelf above fluid or may be soaked in solvent below the shelf. 16 ga. steel (bottom & rear), 18 ga. steel (sides). Basket keeps small parts in reach.

- Fusible link safety cover
- Dual filtration for clean working solution

Interior tank 29-1/2"L x 22"W x 16"D.  
Overall size 36"L x 22"W x 60"H (w/lid).

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>432340</b>	PL36-A	115	1	8.5-20 gal.	<b>\$1,175.00</b>



### Aqueous Portable Brake Washer

**KleenTec** Drum mounted for easy waste disposal. Dual filtration system extends life of cleaning solution. Equipped with flow through brush and flexible metal spigot. Cover can be used as a catch basin. Use with aqueous-based cleaning solution.

- Heavy-duty air pump
- Features on-off valve
- Prefilter screen & asbestos sock filter
- Adjustable pressure regulator
- Can be used as a portable parts or brake washer
- 15 gal. heavy-duty drum dolly w/4 casters (2 locking)
- Heavy-duty drum for long life machine performance

Interior sink 24"L x 20"W x 7"D. Fluid depth 6-1/2" min., 15-3/4" max.  
Overall size 28"L x 28"W x 41"H.

Stk.	Mfr.	Fluid Capacity	Price
<b>498510</b>	EM1435	12 gal.	<b>\$940.00</b>



### Clean-O-Matic

**Graymills** Loosen dirt and grime with this free standing cold solvent parts cleaner. Pumps are designed with no bearings or seals immersed in liquid and are virtually abrasive resistant.

- 1 heavy expanded metal work shelf & 1 solid flanged steel work shelf
- Adjustable pistol grip flush nozzle w/flexible neoprene hose

- Washable 40 mesh screen located above liquid to filter solvent
- 500A's Hydro-jet manifold disperses cleansing pump flow throughout the tank, 300A has a pump discharge jet instead of manifold
- 2 removable sludge trays & drain plug for easier cleanup
- Rugged construction w/14 & 16 ga. steel
- Extra long flexible metal faucet flush hose
- 3-way cleaning action selector
- Recessed control switch
- Revolving casters

Interior tank (approx.) 32-1/4"L x 21"W x 23-3/4"H.

Overall size 44"L x 21-1/2"W x 58"H (w/lid).

**300A** 1/10 HP centrifugal pump. Flow capacity 4.5 GPM through the flush hose.

Stk.	Mfr.	Volts	Phase	Fluid Capacity	Price
<b>432469</b>	300A	115	1	16-42 gal.	<b>\$2,424.00</b>

**500A** 1/3 HP centrifugal pump & hydro-jet manifold. Flow capacity 40 GPM through the manifold or 18 GPM through the metal hose.

<b>432536</b>	500A	115	1	16-42 gal.	<b>\$2,778.00</b>
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### Aqueous Front Load Parts Washer

**Aaladin** Eco-friendly system.

- Seal-less "EZ-Load" door
- Dual zone quick service filters w/slide out fine debris screen & small debris catch basket
- Automatic oil skimming system
- Small parts soaking system
- Large removable basket

- Dry floor evaporator
- Belt-driven 28" turntable
- Steel oil skimmer
- Power vent
- 10 kw heater
- 72 zero-degree spray jets
- 1,500 lb. load capacity
- ETL & C-ETL listed

41" load height. Overall size 45"L x 61"W x 87"H. Shipping weight 1,120 lbs.

Stk.	Mfr.	Item	Volts	Phase	Fluid Capacity	Price
<b>120050</b>	2085E-MS	Mild Steel	230	3	85 gal.	<b>\$13,941.00</b>
<b>120051</b>	2085E-SS	Stainless Steel	230	3	85 gal.	<b>\$20,912.00</b>



### Super Agitene

**Graymills** A safe, clear green parts cleaning fluid with a mild fresh smell. 8 ingredients make it easy on hands, yet cuts grease, motor oil, machine oil, cutting oil and water soluble oils with ease. Also cleans oil and light varnishes from engine parts where carbon deposits and baked on varnish aren't a problem. Lanolin leaves a light coating to retard corrosion, lengthening the life of parts. Flash point 110°F.

Stk.	Mfr.	Size	Price
<b>432640</b>	M5005	5 gal.	<b>\$185.00</b>
<b>432670</b>	M8400	50 gal.	<b>\$1,194.00</b>



### Parts Cleaning Brush

**Weiler** Removes dirt and grease from motors, machinery and metal parts. Nylon bristles hold up under repeated use in cleaning solvents.

Stk.	Mfr.	Price
<b>969334</b>	25221	<b>\$3.45</b>



### HI-T® Degreasol® Cleaning Solvent

**Kleer-flo** General purpose cleaner cuts oil, grease, sludge & dirt. Needs no rinsing. Easy on hands & safe on metals, babbitt, plastics, solder & painted surfaces. Will not discolor, pit or corrode bronze, brass, aluminum or steel. A blend of sulphur-free compounds. Conforms to California's clean air Rule 66. High 124°F flash point for safety.

Stk.	Mfr.	Size	Price
<b>498509</b>	DG-5	5 gal.	<b>\$210.00</b>
<b>498515</b>	DG-55	55 gal.	<b>\$1,184.00</b>



### Heavy Duty Degreaser Concentrate

**Water Works** Concentrate offers a safer alternative to hazardous cleaning chemicals, such as mineral spirits, butyl-based products, caustics & alkaline detergents. Aqueous solution offers a non-hazardous alternative for a range of uses.

Stk.	Mfr.	Size	Price
<b>498535</b>	14-11814	5 gal.	<b>\$152.00</b>
<b>498536</b>	14-12161	50 gal.	<b>\$1,013.00</b>



### Krud Kutter Parts Washer Cleaner/Degreaser

**Krud Kutter** Safe alternative to hazardous cleaning chemicals such as mineral spirits and other solvents. Multi-purpose formula, with Prevent-X Corrosion Inhibitor™, is designed to be used in immersion, ultrasonic, manual and spray applications. Safely and effectively removes grease, grime, oils, carbon, ink and other organic deposits.

Stk.	Mfr.	Size	Price
<b>889330</b>	EC01	1 gal.	<b>\$24.40</b>

## SANDBLASTING



### Portable Blast System

**Cyclone** Remove rust, corrosion and paint effectively with this light weight mobile unit. Trigger-operated gun, 6" dia. wheels.

1/8" ceramic nozzle. 100 lb. sand capacity.

1/2" ID x 10'L hose. 14 CFM @ 80-100 PSI.

Tank diameter 12". Overall height 29". Weight 69 lbs.

**Includes** gauge-pressure relief valve & goggles.

Stk.	Mfr.	Price
<b>316548</b>	PT-100	<b>\$743.00</b>



### Sand Blasting Kit

**Cyclone** Designed for liquid, air or sand blast cleaning of parts, tools, engines and other surfaces. Trigger gun 14 CFM @ 80-90 PSI.

**Includes** 10' air hose (1/4 NPT), trigger gun, 3 nozzles, 1 blast orifice, allen wrench & 14' pick up tube.

Stk.	Mfr.	Price
<b>316549</b>	7003	<b>\$33.90</b>



### Rubber Gloves

**Cyclone** 24" rubber dip-molded gloves.

Stk.	Mfr.	Price
<b>316625</b>	2023	<b>\$54.40</b>



### Bench Top Side-Loading Sandblast Cabinet

**Shop Fox** Safely blast away paint and rust without making a mess around your shop. Side-loading compact design is perfect for those in search of space saving options. The hopper recycles and stores the sandblasting media for reuse or easy removal.

10 lb. sand capacity. 2 access doors 16"W.  
Size 24-1/2"W x 21-1/8"H x 19-1/2"D. Weight 50 lbs.

**Includes** industrial-duty blast gun w/ceramic tip, siphon hose, built-in light, large viewing window, & sealed rubber gloves.

Stk.	Mfr.	Volts	Window	Air Requirements	Price
<b>785669</b>	M1114	110	9" x 10-3/4"	5-14 CFM @ 60-100 psi	<b>\$258.00</b>



### Blasting Cabinets

**Cyclone** Ideal for cleaning, finishing, peening and deburring, these 18 ga. steel units feature welded seams for dust-free blasting.

- Automatic air shut-off prevents blasting while top door is open

- Welded-in glove rings provide armrest to reduce operator fatigue
- Shielded incandescent bulbs provide better light
- Canister dust collectors eliminate bag collection mess & may be detached for other uses
- Hot air circulation helps keep abrasive dry for better performance
- Cabinet fronts are slanted for better view & reduced fatigue
- Trigger gun assembly
- Bead is recycled for extended use

Dust collector 1,500 DC.

Size: (3624) inside 36"W x 24"D x 24"H, overall 37-1/2"W x 25"D x 59"H.  
(4224) inside 42"W x 24"D x 24"H, overall 45"W x 46"D x 60"H.

Weight: (3624) 175 lbs., (4224) 245 lbs.

### Top & Side Opening

Stk.	Mfr.	Volts	Window	Air Requirements	Price
<b>316565</b>	3624	110	9" x 12"	14 cfm @ 90-100 psi	<b>\$1,071.00</b>

### Full Top & Side Opening

<b>316575</b>	4224	110	9" x 20"	14 cfm @ 90-100 psi	<b>\$1,229.00</b>
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### Aluminum Oxide Abrasives

**Cyclone** A tough, aggressive abrasive used for fast removal of heavy-oxidation burrs, etc. Excellent for preparing surfaces to be coated. 12/20 mesh. 50 lbs.

Stk.	Mfr.	Grit	Price
<b>316626</b>	5021	60	<b>\$99.40</b>
<b>316627</b>	5022	120	<b>\$107.00</b>
<b>316628</b>	5039	150	<b>\$102.00</b>
<b>316629</b>	5024	220	<b>\$116.00</b>

### Glass Beads

**Cyclone** Surfaces are cleaned, deburred, decorated and "cold-worked" without etching or removal of basic surface material and without imparting ferrous or other undesirable residues. Beads are environmentally safe and cause no toxic or erosive hazards.

Stk.	Mfr.	Description	Size	Price
<b>316630</b>	5009	Coarse	50 lb.	<b>\$119.00</b>
<b>316631</b>	5002	Medium	50 lb.	<b>\$108.00</b>
<b>316632</b>	5010	Fine	50 lb.	<b>\$110.00</b>
<b>316633</b>	5011	Extra-Fine	50 lb.	<b>\$119.00</b>

## PRESSURE WASHERS



### Electric Pressure Washer

**Campbell Hausfeld** Unit operates quietly, efficiently and without fuel emissions. Instant Start/Stop shuts motor off when gun is not engaged. Conserves water and electricity, as well as extends the life of the pump.

- Convenient on-board storage for accessories
- Lightweight & compact
- 1-yr. mfr.'s warranty

Tool size 12.6"L x 10.24"W x 21.26"H. Tool weight 22 lbs.

**Includes** adjustable fan lance, detergent cup & 20' high pressure hose.

Stk.	Mfr.	PSI	Gal/Min.	Price
<b>291223</b>	PW1625	1,600	1.4	<b>\$170.00</b>



### Gas Pressure Washer

**Campbell Hausfeld** Powerful, reliable commercial-grade pressure washer is tough enough for any cleaning job. Honda GX160 engine powers CAT triplex pumps for professional results. Steel powder-coated frame has easy-rolling pneumatic wheels.

- Sturdy 25' x 3/8" high-pressure hose

- Commercial pump w/ceramic plungers & high-pressure seals
- Quick-connect fittings allow faster setup & breakdown
- Chemical tube draws soap from 1 or 5 gal. container
- Low Oil Alert System prevents engine damage
- Steel cart w/10" dia. pneumatic wheels easily moves 86 lb. unit
- Heavy-duty gun sprays patterns (0°, 15°, 25°, 40°) & dispenses soap (65° tip)
- 3-yr. mfr.'s limited warranty

**Includes** gun w/auxiliary handle, hose, 16" chrome lance, 5 quick-connect tips, steel cart w/2 wheels, detergent tube, on-board tool storage.

Stk.	Mfr.	PSI	Gal/Min.	Price
<b>291225</b>	PW2770	2,750	2.5	<b>\$1,298.00</b>



### 14HE Series Portable Pressure Washer

**Aaladin** Exclusive Exchange Technology uses 30% less fuel than standard hot water pressure washers. Stack temperature is 150°, much cooler than a standard model (925°). Cooler exhaust equals better fuel efficiency. Significantly reduces carbon monoxide, nitrogen monoxide & nitrogen oxide emissions.

- Time delay shutdown
- Hour meter
- Magnetic starter
- 0°, 15°, 25°, & 40° quick-couple nozzles

PSI 3,000. Input BTU's 384,000 Burner fuel tank capacity 11 gallons.

Fuel consumption 1.65 gph @ 60% duty cycle.

Size 37.5"L x 29"W x 44.5"H. Weight 600-650 lbs. (shipping).

### 8 HP Gal./Min. 4. Output Temp 210°.

Stk.	Mfr.	Volts	Amps	Phase	Price
<b>120000</b>	14-430-SC-HE-IPH	230	40	1	<b>\$9,291.00</b>

### 7.5 HP Gal./Min. 4. Output Temp 210°.

<b>120001</b>	14-430-SC-HE-3PH	230	20	3	<b>\$9,477.00</b>
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### 10 HP Gal./Min. 5. Output Temp 190°.

<b>120005</b>	14-530-SC-HE-IPH	230	50	1	<b>\$9,682.00</b>
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#### 44HE Series Self-Contained Pressure Washer

**Aaladin** Eco-Green® high efficiency, self-contained washer is 96% efficient. Stainless steel vertical heat chamber and control panel. Electric start Vanguard engine with belt drive "clutch". Flat-free, chrome mag wheels with 360° swivel front wheels for mobility.

- Aaladin Exchange® Technology
- Triplex ceramic plunger belt-driven pump

- Downstream chemical injection
- High limit temp., low water, timer shutoffs & pressure relief valve
- Hour meter w/break-in & oil change alert
- Quick-coupled stainless steel nozzles
- Removable engine fuel tank
- Hi-gloss powder coated, heavy duty welded tubular frame
- Extended oil drain
- Quick heating coil access
- Water separating fuel filter

3,000 PSI. 280,000 input BTU's. 18A charging system. Burner 12V. Burner oil tank capacity 5.75 gallons. Gas tank capacity 5.75 gallons. Fuel consumption .99 gph @ 60% duty cycle. Size 47"L x 32"W x 37"H. Weight 610 lbs.

**Includes** 3/8" x 50' wire braid discharge hose, trigger gun control, shock mount molded battery box & integrated cord/hose hangers.

Stk.	Mfr.	HP	Phase	Gal/Min.	Output Temp.	Price
<b>120080</b>	44-530B-C-HE	16	1	5	210°	<b>\$10,347.00</b>



#### 71HE Series Stationary Pressure Washer

**Aaladin** Eco-Green® high efficiency washer is 98% efficient. Heavy duty, totally enclosed steel cabinet with heavy duty formed steel legs and durable hi-gloss powder coated paint finish. System protection devices monitor water flow, water pressure and water temperature. ETL listed.

- Aaladin Exchange® Technology

- Heating coil constructed of ASTM A53 schedule 80 steel pipe
- Full laminate high visibility control panel overlay
- Rear exhaust port for 4" CPVC or galvanized stack pipe
- Hour meter w/break-in & oil change alerts
- Triplex ceramic plunger belt-driven pump
- Adjustable temperature control
- Removable steel compartment covers
- Quick-coupled stainless steel nozzles
- Calibrated detergent mixing valve
- Watertight electrical panel
- Easy-access latching
- Electronic ignition
- Stainless steel float tank
- Soap solenoid

3,000 PSI. 240,000 input BTU's. (71530-C-IPH) 320,000 BTU's. 32"L x 48"W x 52-1/2"H. Weight 887 lbs. (71530-C-IPH) 912 lbs.

#### 8 HP Gal./Min. 4. Output Temp 190°.

Stk.	Mfr.	Volts	Amps	Phase	Price
<b>120100</b>	71-430-C-IPH	208/230	40	1	<b>\$12,621.00</b>

#### 7.5 HP Gal./Min. 4. Output Temp 190°.

Stk.	Mfr.	Volts	Amps	Phase	Price
<b>120101</b>	71-430-C-3PH	208/230	40	3	<b>\$12,811.00</b>

#### 10 HP Gal./Min. 5. Output Temp 190°.

Stk.	Mfr.	Volts	Amps	Phase	Price
<b>120105</b>	71-530-C-IPH	208/230	50	1	<b>\$14,095.00</b>



#### 8000 Series Electric Pressure Washer

**Aaladin** Ideal for situations when open flames or exhaust cannot infiltrate cleaning area. Revolutionary hot water washer equipped with heavy-duty, removable high pressure heating elements that heat water instantly. System protection devices monitor water flow, water pressure and water temperature. ETL listed.

- Powder coated heavy duty tubular steel frame & legs

- Unitized high pressure heating manifold
- Triplex ceramic plunger belt-driven pump
- Lighted solenoid-controlled detergent system
- Calibrated detergent mixing valve
- Dual temp hi-limit control
- Enclosed heating chamber
- Watertight electrical panel
- Zero pressure uploader
- Pressure relief valve
- Stainless steel panels, hood & float tank
- Quick-coupled stainless steel nozzles
- Incoloy® encased elements
- Automatic shut-down timer

1,200-3,000 PSI. 32"L x 24"W x 48"H Shipping weight 600 lbs.

**Includes** 3/8" x 50' wire braid discharge hose, trigger gun control.

Stk.	Mfr.	Volts	HP	Amps	Phase	Gal/Min.	Output Temp.	Price
<b>120070</b>	8430-C	440	7.5	90	3	2-4	210°	<b>\$13,095.00</b>

## AIR COMPRESSORS

#### Portable Air Tank



**Tailgate Tools** Heavy-gauge steel tank with rust-proof baked finish. Features easy-read pressure gauge, built-in pressure bypass valve and carrying handle.

**Includes** air bypass valve, pressure gauge & 4' rubber hose w/tire chuck.

Stk.	Mfr.	Operating Pressure	Tank Capacity	Price
<b>943264</b>	WT1010A	125 psi	10 gal.	<b>\$83.80</b>

#### Portable Air Compressor



**Campbell Hausfeld** For inflation, brad nailing, stapling and airbrushing. 1 gal. tank eliminates the pulsations caused by piston action. Conveniently placed, easy-read gauge for easy monitoring of air pressure. Sturdy handle allows handy transport and storage.

Air delivery (scfm) 0.51 @ 40 psi & 0.39 @ 90 psi.

Size 11.8"L x 11.8"W x 12.7"H. Weight 16 lbs.

**Includes** 2 inflation nozzles, needle & adapter, air chuck & 25' recoil hose.

Stk.	Mfr.	Volts	Max. Pressure	Tank Capacity	Price
<b>291141</b>	FP2028	120	100 psi	1 gal.	<b>\$133.00</b>



#### 1.5 Gal. Oil-Free Fully Shrouded Air Compressor

**PORTER-CABLE** Durable oil-free pump for long life and no maintenance. Motor starts easily in cold weather or with extension cord.

- 20 lbs. for easy portability
- Low noise at 79 dBA for a quieter working environment

• Fully enclosed design provides protection from hot or moving parts

Air delivery (scfm) 3.0 @ 40 psi/ 2.0 @ 90 psi. Weight 20 lbs.

**Includes** 25' nylon coil hose, 2 tapered nozzles, inflation needle, 1/4" tire chuck, hose adapter, 2-piece high flow inflator/deflator kit & teflon tape.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>636778</b>	CMB15	120	.75	150 psi	1.5 gal.	<b>\$176.00</b>



### 0.8 HP Air Compressor

**PORTER-CABLE** Low amp 120V motor starts easily in cold weather or with extension cord. 6 gal. pancake style tank for stability, includes water drain valve and rubber feet. Higher pressure for longer air tool performance.

- Oil-free, no maintenance pump
- 2.6 scfm @ 90 psi for fast recovery time
- Upgraded shroud, handle & console cover protect vital components
- 2 regulated air couplers for 2 users
- Hi-flo regulator

Air delivery (scfm) 3.5 @ 40 psi & 2.6 @ 90 psi. Weight 34 lbs.

**Includes** 13 pc. accessory kit (25' x 1/4" PVC air hose w/coupler & plug, tire chuck w/plug, blo-gun w/plug, tire gauge, OSHA safety nozzle w/4 inflator adapters), on-board cord wrap & manual.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>636776</b>	C2002-WK	120	.8	150 psi	6 gal.	<b>\$279.00</b>



### Heavy Duty Trim Compressor

**DEWALT** Compact, portable and can be operated/ stored in either the vertical or horizontal position. Roll cage design creates a convenient and comfortable handle for transportation, storage, and protection. Shroud has a cord wrap for easy storage and

the tank has a ball drain valve for quick and thorough tank draining. Durable, oil-free pump provides maintenance-free operation.

- 12 amp motor provides easy start-up and reduces breaker tripping
- Dual quick couplers to easily support 2 nailers
- 71.5 dB operating noise level
- High-flow regulator for increased performance

Air delivery (scfm) 4.0 @ 40 psi & 3.0 @ 90 psi. Tool size 20.5"L x 16.75"W x 12.5"H. Weight 36 lbs.

**Includes** 2 universal couplers.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>243425</b>	DWFP55130	120	1.1	200 psi	2.5 gal.	<b>\$343.00</b>



### 1 HP Air Compressor

**Senco** 4 Amp compressor with a direct-drive induction motor for finish and trim work, plus crafts. Ultra-quiet, electric operation. Lube-free. Easy-read tank and pressure gauges. Lightweight aluminum tank and soft-grip handle. 1-yr. mfr.'s warranty.

Air delivery (scfm) 1 @ 40 psi & 0.7 @ 90 psi. Size 14"L x 12.5"W x 10"H. Weight 20 lbs.

**Includes** regulator, pressure gauges, 1/4" universal coupler & air filter.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>291536</b>	PC1010	110	1	125 psi	1 gal.	<b>\$213.00</b>



### 5 & 5.5 HP Air Compressors

**Campbell Hausfeld** Maintenance free oil-free direct drive workhorse offers easy-to-operate controls with descriptive icons.

- Oversized, easy-reference gauges
  - Hot moving parts covered by durable shroud
  - Storage for couplers, plugs, tape
  - UL listed
- Air delivery (scfm) 6.5 @ 40 psi & 5.1 @ 90 psi.

**Air hoses sold separately.**

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Weight	Price
<b>291096</b>	WL6501	120	5	125 psi	13 gal.	76 lbs.	<b>\$440.00</b>
<b>291095</b>	WL6502	120	5.5	125 psi	20 gal.	89 lbs.	<b>\$442.00</b>



### 1.1 HP Air Compressor

**DEWALT** 2-Pole, 3,400 rpm direct drive, low amp induction motor with dual soft start valves. Oil-lubricated pump w/cast iron cylinder for durability. High-flow regulator increases performance. Hand-carry 4 gal. twin stack tank. Rapid recovery operating at 90 psi.

Air delivery (scfm) 5.4 @ 40 psi & 4.6 @ 90 psi. Weight 56.5 lbs.

**Includes** compressor oil.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>242870</b>	D55153	120	1.1	125 psi	4 gal.	<b>\$384.00</b>



### 1.3 HP Air Compressor

**Campbell Hausfeld** Low amp motor for high-quality performance with fewer tripped circuit breakers.

- Oil-lubricated pump, cast iron single cylinder
- Durable, safe ASME code tank
- Oil sight glass for visual monitoring of oil level

Air delivery (scfm) 4.5 @ 40 psi & 3.7 @ 90 psi. Weight 75 lbs.

**Air hoses sold separately.**

Stk.	Mfr.	HP	Max. Pressure	Tank Capacity	Price
<b>291119</b>	HL5401	1.3	125 psi	8 gal.	<b>\$328.00</b>



### 1.5 HP Electric Air Compressor

**Senco** Quiet, electric oil-splash compressor for contractors and remodelers requiring durability with less weight for worksite portability.

- Cast iron cylinder for superior pump life
- Electric overload switch w/manual reset
- Efficient direct-drive pump (3,400 rpm) & induction motor
- Cold start valve provides easy start-up in cold climates
- 13 amp unit won't trip circuit breakers
- Cover for hot moving parts
- Steel tank
- Soft-grip handle
- 1-yr. mfr.'s warranty

Air delivery (scfm) 3.5 @ 90 psi. Size 20.5"L x 8"W x 18.5"H. Weight 39 lbs.

**Includes** 1/4" universal coupler & compressor oil.

**Air hoses sold separately.**

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>291537</b>	PC1130	115	1.5	125 psi	2.5 gal.	<b>\$250.00</b>



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## 2 HP Electric Air Compressor

**Senco** 14 Amp workhorse compressor generates 4.4 cfm powering applications from finish to framing. The oil-splash design and induction motor provide the durability demanded by professional contractors. Cast iron cylinder for long pump life.

- Efficient direct-drive pump (3,450 rpm) & induction motor

- Electric overload protection switch w/reset Cold start valve
  - 14 amp unit won't trip circuit breakers
  - Steel tanks, soft-grip handle
  - 1-yr. mfr.'s warranty
  - Cover for hot moving parts
- Air delivery (scfm) 4.4 @ 90 psi. Size 20"L x 14.5"W x 16.5"H. Weight 60 lbs.

**Includes** 1/4" universal coupler & compressor oil.

**Air hoses sold separately.**

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>291538</b>	PC1131	115	2	125 psi	4.3 gal.	<b>\$347.00</b>

## 4 or 6.5 HP Single-stage Cast Iron Air Compressors

**Campbell Hausfeld** High air flow to power a wide variety of air tools. Heavy-duty oil lubricated, twin-cylinder cast iron pump. Steel valves for efficient operation and minimal carbon build-up.

- ASME code tank for greater air storage
- Product life up to 5,000 hrs. (based on B-10 bearing life)
- UL listed



**291206**

**291205**

**Air hoses sold separately.**

Air delivery (scfm) 6.5 @ 40 psi & 5.5 @ 90 psi. Weight 171 lbs.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>291206</b>	VT6290	120/240	4	135 psi	20 gal.	<b>\$662.00</b>

Air delivery (scfm) 11.5 @ 40 psi & 10.2 @ 90 psi. Weight 254 lbs.

<b>291205</b>	VT6275	240	6.5	135 psi	60 gal.	<b>\$697.00</b>
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## 7.5 HP 2-Stage Air Compressor

**Campbell Hausfeld** Rugged cast iron, 2-stage pump for heavy-duty commercial/industrial applications. Delivers up to 15,000+ hrs. of pump life (per B-10 bearing rating). Certified ASME tank (to 200 psi max. pressure).

- 230V NEMA motor w/thermal overload protection
- Mounted, magnetic motor starter is pre-wired
- Stainless steel valves
- Ductile iron crankshaft
- Precision-balanced flywheel

- Low pump rpm
- 3-yr. mfr.'s limited warranty
- Oil sight glass

Air delivery (scfm) 23.7 @ 90 psi & 22.2 @ 175 psi. Weight 540 lbs.

Stk.	Mfr.	HP	Phase	Max. Pressure	Tank Capacity	Price
<b>291120</b>	CE7000	7.5	1	175 psi	80 gal.	<b>\$2,839.00</b>

*We're experts when it comes to setting up your classroom, shop & lab.*  
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## 5 HP Air Compressor

**Campbell Hausfeld** 5 HP, 230V, 1 phase Nema electric stationary air compressor provides up to 10,000+ hours of pump life. Cast iron 2-stage pumps constructed for heavy-duty industrial applications.

- Motor starter not required, reducing installation costs
  - Operates a wide range of tools w/longer run time
  - 80 gal. vertical ASME certified tank is certified for 200 psi max. pressure, assuring safe operation
  - Oil sight gauge provides a large amount of air storage to get large jobs done faster
  - Thermal overload protection
  - 3 yr. mfr.'s warranty
- Air delivery (scfm) 14.6 @ 90 psi & 14.1 @ 175 psi. Weight 476 lbs.

Stk.	Mfr.	HP	Phase	Max. Pressure	Tank Capacity	Price
<b>291121</b>	CE6000	5	1	175 psi	80 gal.	<b>\$2,439.00</b>

## Pneumatic Air Tool Oil



**Campbell Hausfeld** Use w/oil-lubricated air tools to maximize tool performance & long tool life.

Stk.	Mfr.	Size	Price
<b>291135</b>	ST1270	8 oz.	<b>\$4.23</b>

**Milton** Extends life & performance of air tools, lubricators, valves & cylinders. Prevents seizure of air tools & pneumatic equipment. Recommended for tools requiring 10 weight non-detergent lubricant. 5°F to 350°F working temperature.

Stk.	Mfr.	Size	Price
<b>968495</b>	1001-4	4 oz.	<b>\$6.93</b>

## Pneumatic Air Tool Oiler



**Campbell Hausfeld** Attaches between tool and air hose to lubricate tool as you use it. Prevents rust and prolongs tool life.

Stk.	Mfr.	Price
<b>291160</b>	MP2680	<b>\$12.50</b>

## Air Compressor Oil



**Campbell Hausfeld** Prolong compressor life by reducing valve carbon build-up. Oil can be used on all oil lubricated air compressors. High-quality, 30 weight, non-detergent, single viscosity oil.

Stk.	Mfr.	Size	Price
<b>291133</b>	ST1253	16 oz.	<b>\$7.38</b>



## Pressure Gauge

**Milton** High-quality gauge for compressors, filters, regulators, lubricators, air lines, pneumatic tools & equipment. Brass mechanism w/ABS case & 2" polycarbonate lens is resistant to heat, corrosion, water & oil. Bottom mount.

Temperature range -13°F to 120°F. 1/4" NPT. 0-160 psi.

Stk.	Mfr.	Price
<b>968510</b>	1194	<b>\$15.40</b>



### CleanAir Centrifugal Filter-Regulator Unit

**DeVilbiss** Air filter w/regulator eliminates moisture from air supply. Filters out dirt particles up to 5 microns. Drains automatically. Made in USA.

Regulated Pressure Range: 0 - 125 psi.

**Includes** air filter w/automatic drain, regulator, 2 gauges & 2 ball valves.

For complete specifications please visit our website.

Stk.	Mfr.	Price
241020	HFRL-508	\$262.00



### 2-in-1 Standard Series Regulator & Filter

**Campbell Hausfeld** Space-saver unit combines filter and regulator. Large capacity metal bowl for use with high pressure air compressors.

3/8" NPT female outlet. 25 scfm @ 90 psi. 0-250 psi.

Stk.	Mfr.	Price
291145	PA2125	\$66.20



### Piggyback Filter/Regulator

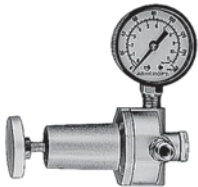
**Milton** Piggyback duo w/features of the standard regulator, plus the space-saving convenience of a combined filter.

- 6 oz. corrosion-resistant metal bowl
- 3-position knob lock/adjust/remove
- 40 micron filter element
- Relieving regulator
- Automatic overnight drain
- Non-rising adjustment

Max. inlet pressure 200 psi. Outlet pressure 2-125 psi. Temperature range 40°F to 160°F.

Stk.	Mfr.	Max. SCFM	NPT	Price
968500	1109	50 psi	1/4"	\$84.00
968501	1110	80 psi	3/8"	\$84.40
968502	1111	100 psi	1/2"	\$84.70

### Regulators



**Campbell Hausfeld** Easily attaches to any air tool for quick regulation. **Includes** 1/4" NPT female outlet & 1/4" NPT female outlets.

Stk.	Mfr.	Item	Price
291155	MP1042	0-160 psi	\$12.20

**Speedy** U.S. Government approved air regulator with gauge. **Includes** 1/4" NPT female inlet & two 1/4" NPT female outlets.

Stk.	Mfr.	Price
279266	AL820RG	0-60 psi \$54.60

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### Filter/Regulator/Lubricator

**Campbell Hausfeld** Integrated system filters, regulates & lubricates air from stationary single or 2-stage air compressors. Eliminates water & other contaminants to increase air tool life & improve spray painting results. Special painting outlet attaches to a separate air hose to bypass the lubricator when painting. Automatic oil lubrication helps protect air tools from rust & friction.

48 scfm @ 100 psi. 5 micron filter element. 0-200 psi input, 0-125 psi output.

**Includes** brass quick coupler & mounting bracket.

### Filter/Regulator/Lubricator

Stk.	Mfr.	Price
291138	PA2078	\$68.20

**Air Filter** Increase tool life by reducing rust & improve your paint job by reducing water & particles in the paint. Max. input pressure is 100 psi. 35 scfm @ 100 psi.

Stk.	Mfr.	Price
291151	PA2121	\$34.40

**Pressure Regulator** Adjusts & maintains air from stationary single-stage or 2-stage air compressor. 0-300 psi input, 0-125 psi output. 80 scfm @ 100 psi.

Stk.	Mfr.	Price
291153	PA2123	\$42.20



### Desiccant Dryer

**Campbell Hausfeld** Desiccant dryer provides extremely dry air for applications requiring complete removal of water and water vapors. Desiccant changes color when it needs to be changed or recharged. Outlet screen keeps particles out of tools. Oil removal filter removes 99.9% of all aerosols. Clear bowl with metal guards for easy viewing of fluid level and impact protection. Quick release bowl and quarter turn drain for easy maintenance.

0-125 psi.

Stk.	Mfr.	Price
291142	PA208503AV	\$113.00



### Safety Button Blo-Gun

**Milton** 11.4 cfm @ 100 psi. 1/4" NPT female inlet. Nozzle thread 5/16" - 24.

Stk.	Mfr.	Price
968268	107	\$9.50



### Full Flow Safety Lever Blo-Gun

**Milton** Precision made instrument with hundreds of automotive and industrial uses.

10.0 cfm @ 100 psi. 1/4" NPT female inlet. Nozzle thread 1/2" - 27.

Stk.	Mfr.	Price
968335	150	\$13.10



### Safety Blo-Guns

**Milton** Internal design allows maximum discharge of 30 psi while maintaining required noise level and nozzle pressure with inlet pressure of 150 psi. Extensions have a special angle for cleaning out deep blind holes and have convenient use on long reach applications. 1/2" OD heavy-duty brass tubing extension. 4.5 cfm @ 100 psi. 1/4" NPT female inlet. Nozzle thread 7/16" - 27.

Stk.	Mfr.	Size	Price
968293	133	10" Extension	\$21.10
968294	134	15" Extension	\$23.60



### Safety Lever Blo-Gun

**Milton** Heavy-duty construction with extra large side hang-up hook. Maximum inlet pressure is 150 psi. 30 max. psi. nozzle pressure.

10.6 cfm @ 100 psi. 1/4" NPT female inlet. Nozzle thread 1/8" - 27.

Stk.	Mfr.	Price
<b>968280</b>	120	<b>\$13.60</b>



### Compact Safety Lever Blo-Gun

**Milton** Compact, versatile blo-gun w/safety nozzle & rubber-tip nozzle. Hang-up hook for easy storage. Zinc die-cast body. OSHA compliant with safety tip only. 150 psi.

11.7 scfm @ 100 psi (safety tip), 12.9 scfm @ 100 psi (rubber tip).  
1/4" NPT female inlet. Nozzle thread 1/8" - 27.

Stk.	Mfr.	Price
<b>968330</b>	S-148	<b>\$10.20</b>



**968332**



**968333**

### Lever Blo-Guns

**Milton** For use where a leak-proof connection is required when blowing out fluid lines. O-ring seal provides tight connection to prevent marring delicate finishes.

11.4 scfm @ 100 psi. 1/4" NPT female inlet.  
150 max. psi.

Stk.	Mfr.	Item	Price
<b>968332</b>	S-153	Straight	<b>\$14.20</b>
<b>968333</b>	S-154	Bent	<b>\$15.80</b>



### Pistol Grip Blo-Gun

**Milton** Positive control, easy-to-use gun. Precision-made gun w/automotive & industrial uses. Max. 175 psi.

10.0 cfm @ 100 psi. 1/4" NPT female inlet.  
Nozzle thread 1/8" - 27.

Stk.	Mfr.	Price
<b>968337</b>	S-160	<b>\$20.00</b>



### Deluxe Multi-purpose Blo-Gun

**Milton** 4-in-1 gun w/adjustable trigger for precise air control. Ideal for sandblasting, spraying, cleaning, liquid transfer & air broom drying. Handle storage for unused nozzles. max. 175 psi.

10.6 to 11.4 cfm @ 100 psi.  
1/4" NPT female inlet. Nozzle thread 1/8" - 27.

**Includes** four 1/8" NPS nozzles (sandblast siphon, multi-purpose, standard & high-volume safety nozzles).

Stk.	Mfr.	Price
<b>968339</b>	S-165	<b>\$35.50</b>



### Comfort Grip Blo-Gun

**Milton** Adjustable air flow regulator allows variable air volume. Rubber-tip nozzle w/4" extension won't mar surfaces. Hang-up hook. Plastic body, brass inlet 110 psi.

13 scfm @ 90 psi. 1/4" NPT female inlet.

Stk.	Mfr.	Price
<b>968343</b>	S-174	<b>\$16.20</b>



### Oil-resistant Air Hoses

**Binks** For industrial installations and paint spray equipment where resistance to entrained oil and external oil contamination is essential. Also recommended as a fluid hose for water based materials.

Tube: Nitrile rubber (Buna-N). Carcass: High tensile rayon braid reinforcement. Jacket: Neoprene, red, smooth. Connections: reusable - plated brass.

Air hoses with 250 psi. 1/4 female NPT both ends.

Stk.	Mfr.	Size	Price
<b>240900</b>	71-1105	1/4" x 25'	<b>\$77.70</b>
<b>240901</b>	71-1106	1/4" x 50'	<b>\$122.00</b>
<b>240920</b>	71-1355	3/8" x 25'	<b>\$92.70</b>
<b>240921</b>	71-1356	3/8" x 50'	<b>\$143.00</b>



### Red Deluxe Air Hoses

**Milton** 2 braid, 4 spiral, heavy-duty construction.

Air hoses with 250 psi.

### 1/4" male NPT

Stk.	Mfr.	Size	Price
<b>968480</b>	1630	1/4" x 25'	<b>\$33.90</b>
<b>968481</b>	1631	1/4" x 50'	<b>\$61.60</b>
<b>968484</b>	1634	3/8" x 25'	<b>\$45.00</b>
<b>968485</b>	1635	3/8" x 50'	<b>\$81.00</b>

### 3/8" male NPT

<b>968482</b>	1632	3/8" x 25'	<b>\$44.70</b>
<b>968483</b>	1633	3/8" x 50'	<b>\$82.40</b>



### Blue PVC Air Hoses

**Milton** Lighter in weight than standard air hoses. Can be used with compressed air, water and mild chemicals. Hose is oil and gasoline resistant.

Air hoses w/250 psi.

### 1/4" male NPT

Stk.	Mfr.	Size	Price
<b>968537</b>	1640	1/4" x 25'	<b>\$24.70</b>
<b>968538</b>	1641	1/4" x 50'	<b>\$41.80</b>
<b>968539</b>	1642	3/8" x 25'	<b>\$29.70</b>
<b>968540</b>	1643	3/8" x 50'	<b>\$46.90</b>

### 3/8" male NPT

<b>968541</b>	1644	3/8" x 25'	<b>\$29.90</b>
<b>968542</b>	1645	3/8" x 50'	<b>\$47.20</b>



### Nylon Swivel End Recoil Air Hoses

**Milton** Yellow hoses have spring guards and reusable fittings. Resists oil, grease, corrosion and abrasion. Full swivel fitting on both ends. Use with all air-operated equipment. Air hoses with 200 psi.

### 1/4" male NPT

Stk.	Mfr.	Size	Price
<b>968543</b>	1667	1/4" x 12'	<b>\$16.80</b>
<b>968544</b>	1669	1/4" x 25'	<b>\$21.70</b>
<b>968545</b>	1670	1/4" x 50'	<b>\$38.70</b>
<b>968554</b>	1674-4	3/8" x 25'	<b>\$42.20</b>
<b>968556</b>	1675-4	3/8" x 50'	<b>\$67.40</b>

### 3/8" male NPT

<b>968553</b>	1674	3/8" x 25'	<b>\$41.80</b>
<b>968555</b>	1675	3/8" x 50'	<b>\$66.90</b>



### Polyurethane Swivel End Recoil Air Hoses

**Milton** Yellow hoses w/18" straight hose

whip. Resists oil, grease, corrosion & abrasion. Kink resistant & super flexible. For pneumatic tools. Swivel fittings on both ends. -40°F to 100°F temperature rating.

Air hoses w/120 psi. 1/4" male NPT both ends.

Stk.	Mfr.	Size	Price
<b>968546</b>	1671-10	1/4" x 10'	<b>\$32.40</b>
<b>968547</b>	1671-20	1/4" x 20'	<b>\$40.80</b>
<b>968548</b>	1671-30	1/4" x 30'	<b>\$80.80</b>



### Swivel End Snubber Hoses

**Milton** Absorbs shock to couplers from impact tools &/or air hammers. Fitted w/1 steel swivel end for easier use & greater flexibility.

Air hoses w/200 psi. 800 lb. burst strength. 1/4" NPT male 360° swivel end & female 1/4" NPT brass fitting end.

Stk.	Mfr.	Size	Price
<b>968380</b>	S-680	1/4" x 30"	<b>\$16.50</b>
<b>968381</b>	S-680-1	1/4" x 5'	<b>\$20.60</b>
<b>968382</b>	S-680-2	3/8" x 30"	<b>\$16.40</b>
<b>968383</b>	S-680-3	3/8" x 5'	<b>\$22.80</b>



### Retractable Hose Reel w/Hose

**Campbell Hausfeld** Heavy-duty PVC hose for air tools, nailers & compressors. Non-marking, abrasion resistant hose cover w/300 psi max. working pressure. Durable plastic housing.

Stk.	Mfr.	Size	Price
<b>291144</b>	PA5004	3/8" x 50'	<b>\$126.00</b>



### Retractable Hose Reel

**Craftsman** 30' hose winds up compactly into the reel. Plastic housing.

Air hose w/300 psi. Size 14.8"L x 14.5"W x 14.8"W.

**Includes** adjustable hose stopper, wall-mounting bracket & 3' lead-in hose.

Stk.	Mfr.	Size	Price
<b>305607</b>	16349	30'	<b>\$96.40</b>



### Side Winder Hose Reel

**Lisle** 10" dia. reel prevents tight air hose coils. Constant air supply 1/4" NPT brass swivel keeps air flowing freely & handles up to 250 psi even when dispensing or winding air hose. Coil spring brake keeps reel from unrolling, yet allows easy dispensing of hose. All-steel construction w/durable powder

baked paint finish. 2 built-in tool hangers. Fasten reel in any direction. 6-hole pattern base for bench mount & center line pattern for stud wall mount.

Reel holds 150' of 5/8" O.D. hose or 100' of 3/4" O.D. hose. Supplies 28 cfm at 90 psi. Overall size 17-3/4" dia. x 11"W x 19"H.

**Shown w/hose, sold separately.**

Stk.	Mfr.	Price
<b>503745</b>	50350	<b>\$101.00</b>



### Spring Retractable Hose Reels Reelcraft

**Premium Duty** Durable & compact for a wide range of applications w/ critical space requirements. A full-flow shaft & swivel assures maximum product delivery. The standard low pressure hose is for air or water service only. Low pressure hose reels furnished standard with PVC hose. All steel construction. Guide arm adjusts to 2 positions. Max. temp. 150°. 300 psi with 1/4" male NPTF outlet & 3/8" female NPTF inlet.

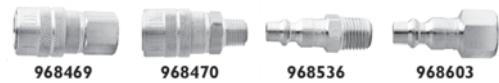
Stk.	Mfr.	Size	NPTF (M)	Price
<b>688400</b>	4425-OLP	1/4" x 25'		<b>\$211.00</b>
<b>688402</b>	5450-OLP	1/4" x 50'		<b>\$297.00</b>
<b>688404</b>	5650-OLP	3/8" x 50'		<b>\$341.00</b>

**Medium Duty** Economical choice for a medium duty, light weight, spring retractable hose reel for applications that are less demanding but can withstand industrial & commercial use. The standard low pressure hose is for air or water service only. Industrial grade drive spring is protected from the environment in a polypropylene spool. Guide arm adjusts to 7 positions. Max. temp. 150°. 300 psi with 1/4" male NPTF outlet & 1/2" female NPTF inlet.

<b>688410</b>	RT435-OLP	1/4" x 25'		<b>\$175.00</b>
<b>688411</b>	RT450-OLP	1/4" x 50'		<b>\$210.00</b>
<b>688412</b>	RT650-OLP	3/8" x 50'		<b>\$254.00</b>

**Inlet Hose** Low pressure PVC nylon braid inlet hose for air and water service only. A flexible hose connection must be used between the hose reel inlet and the source of supply to prevent possible misalignment and binding.

<b>688419</b>	S601020-2	1/2" x 2'	1/2" x 1/2"	<b>\$27.30</b>
<b>688420</b>	S601024-2	3/8" x 2'	3/8" x 3/8"	<b>\$27.30</b>



### M-style Kwik-Change Air Couplers & Plugs

**Milton** Couplers & plugs for all air-operated equipment (Blo-Guns, tire inflators, paint sprayers, air hammers & drills, greasing equipment, oil sprayers).

- Interchangeable w/all mfr.'s complying w/Military Specification MIL-C-4109
- Couplers & plugs can be used together regardless of thread size
- Case-hardened steel plugs are plated to resist rust
- Brass coupler bodies w/brass sleeves

Max. inlet pressure 300 psi. Air flow 400 scfm.

**Couplers** Use only w/shop air.

Stk.	Mfr.	Size	Price
<b>968469</b>	715	1/4" NPT Female	<b>\$5.96</b>
<b>968470</b>	716	1/4" NPT Male	<b>\$5.96</b>
<b>968472</b>	718	3/8" NPT Female	<b>\$7.73</b>
<b>968473</b>	719	3/8" NPT Male	<b>\$7.73</b>

**Plugs**

<b>968536</b>	727	1/4" NPT Male	<b>\$1.49</b>
<b>968603</b>	728	1/4" NPT Female	<b>\$1.56</b>
<b>968474</b>	732	3/8" NPT Female	<b>\$2.60</b>
<b>968475</b>	733	3/8" NPT Male	<b>\$2.60</b>

**7-Piece Coupler/Plug Kit** Includes female coupler & 6 plugs (3 female, 3 male).

<b>968350</b>	S-212	1/4" NPT	<b>\$13.60</b>
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**12-Piece Coupler/Plug Kit** Includes 2 female couplers & 10 plugs (2 female, 8 male).

<b>968345</b>	S-210	1/4" NPT	<b>\$23.30</b>
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### M-style Push-button Safety Couplers

**Milton** Double click to engage properly (first click locks coupler & plug, second click engages air pressure). To disconnect, push button 2x (first push relieves pressure, second push allows plug & coupler to disengage).

Stk.	Mfr.	Size	Price
968745	S-99705	1/4" NPT Female	\$15.10
968746	S-99706	1/4" NPT Male	\$15.10

**5-Piece Coupler & Plug Kit** Includes safety coupler, female coupler & 3 male plugs.

968355	S-219	1/4" NPT	\$19.90
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### L-style Kwik-Change Air Couplers & Plugs

#### Milton

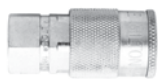
- Push-type couplers engage automatically
  - Couplers & plugs can be used together regardless of thread size
  - Plated-steel couplers & case-hardened, plated steel plugs resist rust
- Max. inlet pressure 300 psi. Air flow 32 scfm.

**Couplers** Use only w/shop air.

Stk.	Mfr.	Size	Price
968476	790	1/4" NPT Male	\$11.30
968479	794	1/4" NPT Female	\$11.70

#### Plugs

968477	791	1/4" NPT Male	\$2.25
968478	792	1/4" NPT Female	\$2.38



### H-style Interchange Series Couplers & Plugs

#### Milton

- Push-type coupler engages automatically

- Max. temp. 250°F
- UL listed
- Seals Buna-N
- Case-hardened, steel-plated plugs & couplers resist rust
- Use same style couplers & plugs together regardless of thread size

Max. inlet pressure 300 psi. Air flow 67 scfm.

**Couplers** Use only w/shop air.

Stk.	Mfr.	Size	Qty.	Price
968570	1835	3/8" NPT Female	1	\$12.20
968571	1836	3/8" NPT Male	1	\$12.20

#### Plugs

968573	1838	3/8" NPT Female	2	\$2.66
968572	1837	3/8" NPT Male	2	\$2.55



### M-Style Air Line Accessory Kit

**Campbell Hausfeld** Great start-up kit for any air compressor. Blo-gun quickly removes debris or can be used with needles and nozzles for inflation. Tire chuck and gauge helps maintain cars proper tire pressure. Quick-connects allow easy interchange of included tools.

**Includes** blo-gun, safety nozzle, tapered inflation nozzle, coupler, inflation needle, dual foot air chuck, tire gauge, 6 plugs (2 female, 4 male) & 3 couplers (female, 2 male).

Stk.	Mfr.	Item	Size	Price
291156	MP2847	17-Piece	1/4" NPT	\$21.70



### Compressor Accessory Starter Kit

**Milton** Starter kit of accessories needed for a multitude of compressed air functions. Inflating and checking tire pressure, inflating sports equipment, blowing debris, mending and connecting hoses, quick connection of air tools. Ideal for small repair shop, mobile repair and maintenance.

**Includes** blo-gun, male hose end, male hose mender, female hex coupling, male hex nipple, female air chuck, 2 M-style couplers (1/4" FNPT), 5 M-style plugs (three 1/4" MNPT & two 1/4" FNPT), tire gauge, blo-gun adapter & inflator pin.

Stk.	Mfr.	Item	Size	Price
968357	S-220	16-Piece	1/4" NPT	\$38.70

### Air Compressor Accessory Kit

#### Craftsman

**Includes** blow gun, safety nozzle, extension tube, rubber tip nozzle, quick connect coupler, 2 quick connect studs, inflation needle, tapered nozzle tire inflator, blow gun adapter & storage pouch.



Stk.	Mfr.	Item	Size	Price
305630	16391	11-Piece	1/4" NPT	\$16.10

### Hose End



**Milton** Full 360° swivel hose end helps eliminate kinked, twisted air lines. Higher cfm than other swivel hose ends. Steel with black oxide finish.

Stk.	Mfr.	Size	Price
968375	659	1/4" NPT M & F	\$9.18

### Hex Nipple



**Milton** Brass male fitting couples air hose to air tools.

Stk.	Mfr.	Size	Price
968390	S-648	1/4" NPT Male & 1/4" NPS Ball Socket	\$3.70

### Air Chuck



**Milton** Female single head chuck.

Stk.	Mfr.	Size	Price
968402	699	1/4" NPT female	\$2.99



### 3-in-1 Air Manifold

**Milton** Supply 3 air tools from 1 inlet. No need to disconnect & connect for each tool change. Sturdy, lightweight aluminum body. 3/8" NPT female inlet x three 1/4" NPT female outlets.

Stk.	Mfr.	Price
968384	S-685-6	\$13.00

**5-Piece Kit** Includes manifold (1/4" NPT male inlet x three 1/4" NPT male outlets), 3 M-style male couplers & male plug.

Stk.	Mfr.	Price
968356	S-221	\$29.00

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## AIR & ELECTRIC TOOLS



### 5" Random Orbit Air Sander

**Campbell Hausfeld** Produces a swirl-free finish. A great tool for surface preparation.

- Soft palm grip for operator comfort
- Lightweight, composite housing design
- Single lever VS regulator

Pad size 5", PSA. Orbit size 3/16". Tool weight 2 lbs.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291104</b>	CL1565	10,000	11.6 scfm @ 90 psi	1/4" NPT	3/8"	<b>\$143.00</b>



### Air Hammer

**Campbell Hausfeld** Delivers 3,500 blows per minute for fast and powerful cutting action. Ideal for automotive exhaust work and general cutting, chipping and scraping.

- Soft palm grip for operator comfort
- Coil spring retainer for quick chisel changes

• Accepts 0.401" round shank chisels

Stroke 2-5/8". Weight 3.5 lbs.

Stk.	Mfr.	BPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291100</b>	CL1534	3,500	11 scfm @ 90 psi	1/4" NPT	3/8"	<b>\$57.10</b>



### 3/8" Air Ratchet Wrench

**Campbell Hausfeld** Delivers 55 ft. / lbs. of torque to install fasteners in tight compartments. Ideal for automotive engine repair work.

- Rubber grip for added comfort
- Heat-treated ratcheting components for increased durability

Tool weight 2.5 lbs.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291098</b>	CL1501	155	4.8 cfm @ 90 psi	1/4" NPT	3/8"	<b>\$68.70</b>



### Air Angle Grinder

**Campbell Hausfeld** Ideal for deburring, polishing and grinding. Right angle head for easier access into tight spaces.

- Safety latch palm throttle lever eliminates trigger finger fatigue

• Contoured rubber grip provides comfort during use

• Adjustable exhaust deflector

.45 HP. Tool weight 1.6 lbs.

**Includes** 1/4" & 1/8" collets

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291101</b>	CL2541	18,000	12.5 cfm @ 90 psi	1/4" NPT	3/8"	<b>\$74.60</b>



### 1/2" Reversible Air Drill

**Campbell Hausfeld** Drill, hone, ream, hole saw & wire brush most metal or wood materials.

- Soft grip provides increased comfort
- Reversible design to assist when binding occurs

Shank 3/32"-1/2". Tool weight 3.2 lbs.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291103</b>	CL1546	800	15.2 cfm @ 90 psi	1/4" NPT	3/8"	<b>\$104.00</b>



### 3/8" Reversible Drill

**Campbell Hausfeld** For general drilling, honing and hole-sawing tasks.

- Soft grip provides increased comfort
- Reversible design to assist when binding occurs
- Lightweight & compact

Tool weight 2.6 lbs.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291102</b>	CL1545	2,000	11.2 cfm @ 90 psi	1/4" NPT	3/8"	<b>\$68.70</b>



### Air Cut-Off Tool

**Campbell Hausfeld** Delivers the power needed for tough cutting jobs, ranging from 1" steel rods to fiberglass and angle iron up to 1/2". Features aluminum housing with comfort grip to reduce fatigue and protect against cold temperatures.

Tool size 8.2"L x 3.5"W x 3.3"H. Tool weight 2.14 lbs.

**Includes** three 3" cutting wheels, collet wrench, allen wrench & 1/4" steel male plug.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291210</b>	TL0535	20,000	11.8 cfm @ 90 psi	1/4" NPT	3/8" @ 25'	<b>\$24.80</b>

**3" Cut-off Wheels Campbell Hausfeld** Aluminum & fiberglass wheel with 3/8" hole. 5/pkg.

Stk.	Mfr.	Price
<b>291157</b>	MP2879	<b>\$9.30</b>



### 1/2" Air Impact Wrench

**Campbell Hausfeld**

- Pin clutch impact mechanism provides a balanced impact during use
- 1-handed push button forward/reverse control
- Built-in power regulator controls torque & speed

• Rubber grip provides added comfort

Max torque 500 ft./lbs. Impacts/Min. 1,000. Tool weight 6 lbs.

Stk.	Mfr.	RPM	Air Requirements	Air Inlet	Min. Hose	Price
<b>291097</b>	CL1502	7,500	5.1 cfm @ 90 psi	1/4" NPT	3/8"	<b>\$116.00</b>



### Electric 1/2" Impact Wrench Driver

**Milwaukee** Heavy-duty industrial impact wrench delivers high torque and smooth operation. Ergonomically balanced with a center grip that features soft-grip handle.

• Metal gear & transmission housings

• 1/2" pin/detent socket retainer securely holds sockets & adapters

• Forward/reverse rocker switch

Torque 300 ft./lbs. Tool length 11-5/8". Tool weight 6 lbs.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Impacts/Min.	Price
<b>576282</b>	9070-20	120	7	1,800	2,600	<b>\$232.00</b>

## 1/4" SOCKETS



### 1/4" Socket Holders

**Proto**

Stk.	Mfr.	Item	Price
<b>910030</b>	2570	10 Clips	<b>\$2.57</b>
<b>910031</b>	2571	16 Clips	<b>\$4.78</b>





### 1/4" Magnetic Socket Holder

**Lisle** Organizes 1/4" fractional & metric sockets. 26-socket compartment holder secures 1/4" standard & deep sockets. Holds sockets up to 5/8" or 15 mm. Holders leave sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, & tray to any steel surface. Made of strong ABS plastic. Red.

Stk.	Mfr.	Price
<b>503940</b>	40120	<b>\$20.10</b>



### 1/4" Handles & Attachments

#### Adapter 1/4"F x 3/8"M

Stk.	Mfr.	Length	Price
<b>433357</b>	81127	1-1/8"	<b>\$7.98</b>

#### Extension

<b>433350</b>	81101	2"	<b>\$4.65</b>
<b>433355</b>	81113D	3"	<b>\$5.28</b>
<b>433356</b>	81116	6"	<b>\$5.99</b>

#### Flex Head Ratchet

<b>433321</b>	81012F	5"	<b>\$25.10</b>
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#### Spinner handle

<b>433358</b>	81128	6"	<b>\$7.61</b>
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#### Teardrop Ratchet

<b>433320</b>	81011F	5-1/8"	<b>\$20.90</b>
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#### Universal Joint

<b>433000</b>	80100	1-11/32"	<b>\$11.40</b>
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### 1/4" 6- & 12-Point Fractional Sockets

**GearWrench 10-Piece Set 6-Point Standard Includes** 10 sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" & 9/16", plus rail.

Stk.	Mfr.	Price
<b>433042</b>	80303	<b>\$16.40</b>

**GearWrench 13-Piece Set 6-Point Standard Includes** 9 sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2" plus 2 extensions (2" & 6"), 2 handles (spinner & ratchet) & case.

<b>433050</b>	80324	<b>\$29.00</b>
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**S-K 13-Piece 6-Point Standard Includes** 9 sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", plus 2" & 6" extensions, 4-1/2" ratchet, 6" spinner handle & molded case.

<b>809911</b>	4913	<b>\$117.00</b>
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**S-K 21-Piece 6-Point Standard & Deep Includes** standard sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", deep sockets: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 4.5" pro ratchet, 6" spinner handle, 2" & 6" drive extensions, universal joint & molded case.

<b>809978</b>	4921	<b>\$185.00</b>
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**GearWrench 22-Piece 6- & 12-Point Standard & Deep Includes** nine 6-point deep sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2". Nine 12-point standard sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2" plus 2 extensions (2" & 6"), 2 handles (spinner & ratchet) & molded case.

<b>433049</b>	80325	<b>\$32.80</b>
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### 1/4" 6- & 12-Point Metric Sockets

**GearWrench 14-Piece 6-Point Standard Includes** 10 sockets 4, 5, 6, 7, 8, 9, 10, 11, 12 & 13mm, plus 2 extensions (2" & 6"), 2 handles (spinner & ratchet) & case.

Stk.	Mfr.	Price
<b>433051</b>	80326	<b>\$28.60</b>

**Great Neck 24-Piece 6-Point Standard & Deep Includes** 24 standard & deep sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 & 14mm, plus tiered molded case.

Stk.	Mfr.	Price
<b>281181</b>	18622	<b>\$19.40</b>

**GearWrench 13-Piece 12-Point Standard Includes** 13 sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 15mm, plus storage rail.

Stk.	Mfr.	Price
<b>433044</b>	80306	<b>\$21.30</b>

**GearWrench 22-Piece 6- & 12-Point Standard & Deep Includes** nine 6-point deep sockets 6, 7, 8, 9, 10, 11, 12, 13 & 14mm. Nine 12-point standard sockets 4, 5, 6, 7, 8, 9, 10, 11 & 12mm, plus 2 extensions (2" & 6"), 2 handles (spinner & ratchet) & case.

Stk.	Mfr.	Price
<b>433052</b>	80327	<b>\$36.10</b>



### 1/4" 6- & 12-Point Fractional & Metric Sockets

**S-K 48-Piece 6-Point Standard & Deep Includes** 4.5" pro ratchet 2" & 6" Extensions, universal joint. 1/4"F-3/8"M & 3/8"F-1/4"M adapters, standard sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32" 3/8", 7/16", 1/2", 9/16", deep sockets 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", standard sockets: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15mm, deep Sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15mm & molded case.

Stk.	Mfr.	Price
<b>831715</b>	91848	<b>\$246.00</b>

**Blackhawk 27-Piece 6- & 12-Point Standard & Deep Includes** six 6-point deep sockets 1/4", 9/32", 5/16", 11/32", 3/8" & 7/16", three 6-point standard sockets 4, 5 & 6mm, nine 12-point standard sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2", seven 12-point standard sockets 7, 8, 9, 10, 11, 12 & 13mm, plus reversible ratchet, 3" extension & molded case

Stk.	Mfr.	Price
<b>904245</b>	1427	<b>\$81.00</b>

**GearWrench 51-Piece S-K 6- & 12-Point Standard & Deep Includes** 10 ea. 12-point standard & deep fractional sockets 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 7 ea. 12-point standard & 7 deep metric sockets 4, 5, 5.5, 6, 7, 8, 9mm, six 12-point metric sockets 10, 11, 12, 13, 14, & 15mm, six 6-point deep metric sockets 10, 11, 12, 13, 14, & 15mm, plus 2 extensions (2" & 6"), 2 ratchets (thumbwheel & handle), universal joint & case.

Stk.	Mfr.	Price
<b>433040</b>	80301	<b>\$111.00</b>

**“ Not sure what tool is right for your project or program? ”**



Dan Goodwin ext. 3104  
dgoodwin@midwesttechnology.com

## 3/8" SOCKETS



### 3/8" Micrometer Adjustable Ratcheting Torque Wrench

**Blackhawk** Preselected micrometer scale torque values. When exact torque level is reached, wrench releases with an audible click. Resists automatically returning to same torque setting. Ball bearing-mounted release eliminates accuracy variations

between slow/fast loading. Color-coded English/metric markings. Positive-lock mechanism helps prevent accidental changes in torque values. Ergonomic comfort grip.

Stk.	Mfr.	Size	Capacity	Increments	Length	Price
904570	39825-A	3/8"	20-250 in. / lb.	1 in. / lb.	13.5"	\$179.00



### 3/8" Socket Holders Proto

Stk.	Mfr.	Item	Price
910032	2572	10 Clips	\$2.96
910033	2573	16 Clips	\$4.78



### 3/8" Magnetic Socket Holder

**Lisle** Organizes 3/8" fractional & metric sockets. 28-socket holder secures 3/8" standard & deep sockets. Holds sockets up to 1" or 24

mm. Holders leave sockets exposed for easy ID. Powerful magnets secure sockets in tray, & tray to any steel surface. Made of strong ABS plastic. Fits most 3/8" sets. Red.

Stk.	Mfr.	Price
503941	40200	\$25.10



### 3/8" Handles & Attachments

#### Adapter

Stk.	Mfr.	Item	Length	Price
433400	81277	3/8"F x 1/4"M		\$5.13
433401	81278	3/8"F x 1/2"M	1-5/16"	\$6.28

#### Extension

Stk.	Mfr.	Item	Length	Price
433391	81240		1-1/2"	\$6.13
433392	81241		3"	\$7.50
433393	81242		6"	\$9.55
433394	81244		12"	\$11.10

#### Flex Handle

Stk.	Mfr.	Item	Length	Price
433386	81221		12"	\$23.20

#### Ratchet

Stk.	Mfr.	Item	Length	Price
281203	28000	Reversible	8"	\$16.70
433380	81209D	Stubby	4-3/4"	\$33.60
433381	81211F	Teardrop	8-3/8"	\$38.20
433384	81215F	Flex Head	13"	\$45.90

#### Universal Joint

Stk.	Mfr.	Item	Length	Price
433130	80549		1-7/8"	\$16.40

### 3/8" Speeder Handle



**GEARWRENCH** Provides improved access to hard-to-reach places. Durable high-polish finish.

Stk.	Mfr.	Length	Price
433390	81239	16"	\$16.90



### 3/8" Spark Plug Sockets GEARWRENCH

Stk.	Mfr.	Size	Price
433105	80402	5/8"	\$6.70
433106	80403	13/16"	\$6.70



### 3/8" 6- & 12-Point Fractional Sockets

**S-K 11-Piece 6-Point Standard Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" sockets, 7.5" professional ratchet, 3" & 6" extensions, 5/8" spark plug socket & molded case.

Stk.	Mfr.	Price
831730	94512	\$136.00

**GearWrench 12-Piece 6-Point Standard Includes** 9 sockets 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8", plus 2 extensions (3" & 6"), ratchet handle & case.

Stk.	Mfr.	Price
433137	80556	\$39.10

**GearWrench 13-Piece 6-Point Standard Includes** 13 sockets 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1", plus storage rail.

Stk.	Mfr.	Price
433134	80553	\$31.20

**GearWrench 11-Piece 6-Point Deep Includes** 11 sockets 1/4", 5/16", 3/8", 1/4", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 7/8", plus storage rail.

Stk.	Mfr.	Price
433136	80555	\$36.60

**S-K 18-Piece 6-Point Standard & Deep Includes** Standard Sockets 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Deep Sockets, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Spark Plug Socket, 5/8" Professional Ratchet, 7.5". 2 Extensions, 3" & 6" & molded case.

Stk.	Mfr.	Price
831740	94520	\$184.00

**S-K 27-Piece 6-Point Standard, Deep & Flex Includes** Standard Sockets, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Deep Sockets, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Flex Sockets, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" Pro Ratchet, 7.5" Flex Handle, 9.5". 3 Extensions, 3", 6" & 12". Spark Plug Socket, 5/8" & metal case. USA Made.

Stk.	Mfr.	Price
831750	94527	\$342.00

**GearWrench 13-Piece 12-Point Standard Includes** 13 sockets 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1", plus storage rail.

Stk.	Mfr.	Price
433141	80561	\$31.20

**GearWrench 21-Piece 6- & 12-Point Standard & Deep Includes** 7/16" six-point standard socket. Eight 6-point deep sockets 3/8", 1/4", 1/2", 9/16", 5/8", 11/16", 3/4" & 7/8". Nine 12-point standard sockets 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4" plus 2 extensions (3" & 6"), ratchet handle & case.

Stk.	Mfr.	Price
433138	80557	\$55.60

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### 3/8" 6- & 12-Point Metric Sockets

**S-K 13-Piece 6-Point Standard** Includes 7 - 19mm, plus metal storage rail.

Stk.	Mfr.	Price
<b>801150</b>	13	<b>\$87.90</b>

**GearWrench 14-Piece 6-Point Standard** Includes 14 sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm, plus storage rail.

<b>433133</b>	80552	<b>\$33.60</b>
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**S-K 14-Piece Set 6-Point Deep** Includes 6 - 19mm, plus metal storage rail.

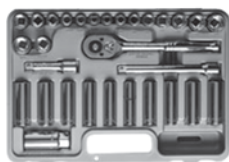
<b>806581</b>	1854	<b>\$142.00</b>
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**GearWrench 14-Piece 6-Point Deep** Includes 14 sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm, plus storage rail.

<b>433135</b>	80554	<b>\$46.60</b>
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**GearWrench 24-Piece 6- & 12-Point Standard & Deep** Includes two 6-point standard sockets 13 & 14mm. Seven 6-point deep sockets 10, 11, 12, 15, 16, 17 & 18mm. Eleven 12-point standard sockets 8, 9, 10, 11, 12, 13, 14, 16, 17, 18 & 19mm, 15mm. 12-point deep socket, plus 2 extensions (3" & 6"), ratchet handle & case.

<b>433139</b>	80559	<b>\$53.10</b>
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### 3/8" 6- & 12-Point Fractional & Metric Sockets

**S-K 49-Piece 6-Point Standard & Deep** Includes 7.5 pro ratchet 1.5" pro thumbwheel ratchet. 3" & 6" extensions, universal joint standard sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", deep sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", standard sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm, deep sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm, plus molded case.

Stk.	Mfr.	Price
<b>831760</b>	94549	<b>\$268.00</b>

**Crescent 30-Piece 12-Point Standard & Deep** Includes 8 standard sockets 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8". 5 deep standard sockets 7/16", 1/2", 9/16", 5/8", 11/16". 8 metric sockets 9, 10, 12, 13, 14, 15, 17, 19mm. 5 deep metric sockets 12, 13, 14, 16, 17mm, plus 3/8" drive ratchet, 6" & 3" extensions, 13/16" spark plug socket & molded case.

Stk.	Mfr.	Price
<b>310621</b>	CTK30SET	<b>\$53.50</b>

**Stanley 34-Piece 12-Point Standard & Deep** Includes 10 standard sockets 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8". 11 standard sockets 8, 9, 10, 11, 12, 13, 14, 15, 17, 18 & 19mm. 9 deep sockets 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8", plus reversible ratchet, drive universal joint, 3" & 6" extension & case.

Stk.	Mfr.	Price
<b>864791</b>	85-405	<b>\$80.30</b>

**GearWrench 57-Piece 12-Point Standard & Deep** Includes 13 standard sockets 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1". 11 deep sockets 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8". 28 standard & deep metric sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19mm plus 2 extensions (3" & 6"), 2 handles (stubby & ratchet), universal joint, case.

Stk.	Mfr.	Price
<b>433132</b>	80551	<b>\$130.00</b>



### 3/8" Hand Impact Tool Set

**Lisle** Loosens rusted and frozen nuts, bolts and screws. Unique design delivers over 200 ft./lbs. of shock torque. Reverse process to tighten. Can be used with impact sockets.

**Includes** 3/8" impact tool, 3/8" bit holder, Phillips bit #'s 1, 2, 3 & 4, plus 3/8" straight slot bit.

Stk.	Mfr.	Item	Price
<b>503850</b>	29200	7-Piece Set	<b>\$41.10</b>

## 1/2" SOCKETS



### 1/2" Micrometer Adjustable Ratcheting Torque Wrench

**Blackhawk** Preselected micrometer scale torque values. When exact torque level is reached, wrench releases with an audible click. Resists automatically returning to same torque setting. Ball bearing-mounted release eliminates accuracy variations between slow/fast loading. Color-coded English/metric markings.

Positive-lock mechanism helps prevent accidental changes in torque values. Ergonomic comfort grip.

Stk.	Mfr.	Size	Capacity	Increments	Length	Price
<b>904571</b>	49859-A	1/2"	20-150 ft. / lb.	1 ft. / lb.	20.8"	<b>\$195.00</b>



### 1/2" Socket Holder Proto

Stk.	Mfr.	Item	Price
<b>910035</b>	2575	16 Clips	<b>\$4.78</b>



### 1/2" Magnetic Socket Holder

**Lisle** Organizes 1/2" chrome & impact sockets. 22-socket holder secures 1/2" standard & deep sockets. Holds sockets up to 1" or 20 mm.

Holders leave sockets exposed for easy identification. Made of strong ABS plastic. Rubber feet protect tool box from scratching. Red.

Stk.	Mfr.	Price
<b>503942</b>	40900	<b>\$33.10</b>



### 1/2" Handles & Attachments

#### Proto Ratchet

Stk.	Mfr.	Item	Length	Price
<b>932123</b>	5447	Attachment	2-1/2"	<b>\$78.40</b>
<b>932391</b>	5457F	Swivel Head	13"	<b>\$93.60</b>

#### GearWrench Adapter

<b>433426</b>	81354	1/2" F x 3/8" M	3/8"	<b>\$7.13</b>
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#### GearWrench Universal Joint

<b>433168</b>	80600D		2-5/16"	<b>\$17.40</b>
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#### GearWrench Extension

<b>433420</b>	81340		3"	<b>\$8.38</b>
<b>433421</b>	81341		5"	<b>\$13.40</b>
<b>433422</b>	81342		10"	<b>\$15.50</b>
<b>433423</b>	81343		15"	<b>\$23.50</b>

#### GearWrench Handle

<b>433415</b>	81312	Speeder	16"	<b>\$32.10</b>
<b>433409</b>	81307	Flex	15"	<b>\$37.40</b>

#### GearWrench Ratchet

<b>433410</b>	81304F	Teardrop	11"	<b>\$50.40</b>
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**1/2" 12-Point Universal Sockets**

Proto

Stk.	Mfr.	Size	Price
<b>932994</b>	5475A	1/2"	<b>\$41.20</b>
<b>933061</b>	5476A	9/16"	<b>\$41.20</b>
<b>933128</b>	5477A	5/8"	<b>\$43.50</b>

**1/2" Standard Screwdriver Bit Sockets**

Proto

Stk.	Mfr.	Size	Price
<b>931922</b>	5444A	3/4"	<b>\$15.40</b>
<b>932056</b>	5446A	15/16"	<b>\$16.50</b>

**1/2" 6- & 12-Point Fractional Sockets**

**GearWrench 14-Piece 6-Point Deep Includes** 14 sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" & 1-1/2", plus case.

Stk.	Mfr.	Price
<b>433235</b>	80733	<b>\$73.40</b>

**GearWrench 15-Piece 12-Point Standard Includes** 15 sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-1/2", plus case.

Stk.	Mfr.	Price
<b>433233</b>	80731	<b>\$55.10</b>

**GearWrench 18-Piece 12-Point Standard Includes** 14 sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" & 1-1/2" plus 2 handles (ratchet & flex), 5" extension, universal joint & case.

Stk.	Mfr.	Price
<b>433225</b>	80716	<b>\$68.00</b>

**Blackhawk 11-Piece 12-Point Deep Includes** 11 sockets 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16" & 1-1/8", plus storage rail.

Stk.	Mfr.	Price
<b>904180</b>	314-C	<b>\$141.00</b>

**S-K 23-Piece 12-Point Standard & Deep Includes** standard sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4", deep sockets, 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 10-1/2" pro ratchet, 16" flex handle, 5" extension & molded case.

Stk.	Mfr.	Price
<b>808571</b>	4123	<b>\$339.00</b>

**Stanley 26-Piece 6- & 12-Point Standard & Deep Includes** six 6-point standard sockets 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4", seven 12-point standard sockets 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" & 1-1/4", nine 12-point deep sockets 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1", plus reversible ratchet, 5" extension, 18" hinge handle, universal joint & molded case.

Stk.	Mfr.	Price
<b>864792</b>	85-434	<b>\$124.00</b>

**GearWrench 33-Piece 6- & 12-Point Standard & Deep Includes** 1-1/2" six-point deep socket. Fourteen 12-point standard sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" & 1-1/2". Thirteen 12-point deep sockets 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" & 1-1/4", plus 2 extensions (3" & 5"), 2 handles (flex & ratchet), universal joint, case.

Stk.	Mfr.	Price
<b>433224</b>	80714D	<b>\$108.00</b>

**1/2" 12-Point Metric Sockets****GEARWRENCH**

**13-Piece 12-Point Standard Includes** 13 sockets 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm, plus storage rail.

Stk.	Mfr.	Price
<b>433223</b>	80710D	<b>\$44.70</b>

**37-Piece 12-Point Standard & Deep Includes** 24 standard sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 & 36mm, 13 deep sockets 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32mm.

Stk.	Mfr.	Price
<b>433232</b>	80730	<b>\$108.00</b>

**1/2" 12-Point Standard & Deep, Fractional & Metric Sockets****GEARWRENCH**

**Includes** 12 standard sockets 7/16", 1/2", 9/16", 5/8", 11/16", 7/8", 15/16", 1", 1-1/16" & 1-1/8". 8 deep sockets 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" & 15/16", 15 standard metric sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 & 24mm, 10 deep metric sockets 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19mm, plus 2 extensions (3" & 5"), ratchet handle, universal joint & case.

Stk.	Mfr.	Item	Price
<b>433218</b>	80701	49-Piece	<b>\$195.00</b>

**1/2" 6-Point Fractional Impact Sockets**

**GearWrench 12-Piece Standard Surface Drive™ Technology** sockets made of strong, long-lasting chrome Molybdenum alloy steel. High-visibility, laser-etched markings. **Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16" & case.

Stk.	Mfr.	Price
<b>433560</b>	84931	<b>\$38.10</b>

**GearWrench 19-Piece Standard Surface Drive™ Technology** sockets made of strong, long-lasting chrome Molybdenum alloy steel. High-visibility, laser-etched markings. **Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2" & case.

Stk.	Mfr.	Price
<b>433561</b>	84932	<b>\$76.20</b>

**S-K 11-Piece Standard Includes** 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" & storage rail.

Stk.	Mfr.	Price
<b>808450</b>	4032	<b>\$111.00</b>

**S-K 15-Piece Deep Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4" & storage rail.

Stk.	Mfr.	Price
<b>808462</b>	4045	<b>\$192.00</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.

# COMBINATION SOCKET SETS



## Fractional & Metric Socket Sets

**GearWrench 39-Piece 6-Point Standard Includes** 19-piece 6-point 1/4" socket set 11 standard (5/32" to 9/16"), 8 metric (4 to 10mm), 16-piece 6-point 3/8" socket set 9 standard (1/4" to 3/4"), 7 metric (9 to 15mm), plus 3/8" ratchet handle, extension (3"), spark plug socket (5/8"), adapter (3/8"F x 1/4") & case.

Stk.	Mfr.	Price
<b>433300</b>	80929	<b>\$35.40</b>

**Crescent 70-Piece 6- & 12-Point Standard Includes** 16-piece 6-point 1/4" standard sockets eight 3/16" to 7/16" & eight 5-12mm, 16-piece 12-point 3/8" standard sockets eight 3/8" to 13/16" & eight 10-19mm, 12-piece combination wrenches six 3/8" to 11/16" & six 10-17mm, 8-piece hex key set 1/16" to 1/4", 12-piece magnetic bits 3 standard 3/16" to 1/4", 3 Torx® T#'s 10-20, 3 Phillips #'s 1-3, 3 Allen wrenches 1/4" to 3/16", plus 1/4" & 3/8" drive ratchet, 1/4" x 3" & 3/8" x 3" extensions, 1/4" to 3/8" adapter, magnetic bit driver & molded case.

Stk.	Mfr.	Price
<b>310620</b>	CTK70MP	<b>\$91.00</b>

**Stanley 148-Piece 6-Point Standard & Deep Includes** 16-piece 1/4" deep socket set, 19-piece 1/4" socket set, 3-piece 3/8" spark plug socket set, 7-piece 3/8" deep socket set, 25-piece 3/8" socket set, 1/4" bit holder, 1/4" spinner handle, 1/4" & 3/8" pear head ratchets, 1/4" & 3/8" extension bars, 3/8" universal joint, 12 combination wrenches, 16 hex keys (SAE & metric), 30-piece 1/4" specialty bits & 10 nut bits.

Stk.	Mfr.	Price
<b>864555</b>	STMT71653	<b>\$85.20</b>

**Crescent 148-Piece 6- & 12-Point Standard & Deep Includes** 20-piece 6-point 1/4" standard sockets ten 3/16" to 9/16" & ten 4-13mm, 16-piece 12-point 3/8" standard sockets eight 5/16" to 3/4" & eight 9-19mm, 10-piece 6-point 3/8" deep sockets five 7/16" to 3/4" & five 12-17mm, 10-piece 6-point 1/2" standard sockets five 1/2" to 7/8" & five 15-21mm, 12-piece combination wrenches six 5/16" to 5/8" & six 8-15mm, 18-piece hex keys & holders eight 1/16" to 1/4" & eight 1.5-6mm, 44 bits & holders 7 standard 1/8" to 5/16", 8 Phillips #'s 0-3, 7 Torx® T#'s 10-40, 3 Pozidriv® PZ#'s 1-3, 5 hex 3/32" to 1/4", 5 hex 3-7mm & 3 square S#'s 1-3, 4-piece screwdrivers 1/4" x 4" & 3/16" x 3" slotted, # 1 x 3" & #2 x 4" Phillips, plus 1/4", 1/2" & 3/8" drive ratchet, 1/4" x 3", 3/8" x 3", 1/2" x 5", 3/8" x 6" extensions, 3/8" to 1/4" adapter, 5/8" & 13/16" spark plug sockets, 8" long nose pliers, 6" diagonal pliers, magnetic bit driver & molded case.

Stk.	Mfr.	Price
<b>310619</b>	CTKI48MP	<b>\$149.00</b>

**Crescent 170-Piece 6- & 12-Point Standard & Deep Includes** 23-piece 6-point 1/4" socket set 11 standard 5/32" to 9/16", 10 metric, 4-13mm, ratchet & 3" extension bar, 12-piece 6-point 1/2" socket set 5 standard 1/2" to 7/8", 5 metric 15-21mm, plus ratchet, 5" extension bar, 12-piece 6-point 3/8" socket set 7 standard deep 3/8" to 3/4", 5 metric 12-17mm, 25-piece 12-point 3/8" socket set 11 standard 3/16" to 7/8", 14 metric 6-20mm, 6-piece 12-point 3/8" tools ratchet, 3" & 6" extension bars, 1/4" adapter, 5/8" & 13/16" spark plug sockets, 12-piece 12-point combination wrench set 6 standard 5/16" to 5/8", 6 metric 8-15mm, 4-piece screwdriver set 2 Phillips #2 x 4", #1 x 3" & 2 slotted 1/4 x 4", 3/16 x 3", 26-piece hex key set 13 standard (SAE) & 13 metric, 44-piece bit set, plus magnetic bit driver, 8" long nose pliers, 10" tongue & groove pliers, 8" adj. wrench & molded case.

Stk.	Mfr.	Price
<b>310617</b>	CTKI70MP	<b>\$178.00</b>



## 10-Piece Universal Adapter Sockets

### GEARWRENCH

**Includes** 2 universal joints (1/4" & 3/8"). 3 impact universal joints (1/4", 3/8", 1/2"), two 3/8"F adapters (1/4"M & 1/2"M), two 1/2"F adapters (3/8"M & 3/4"M), 1/4"F adapter (3/8"M), plus molded case.

Stk.	Mfr.	Price
<b>433375</b>	81205	<b>\$89.70</b>



## Hex & Torx® Bit Sockets

**GearWrench 10-Piece Hex Includes** seven 3/8" sockets (1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8") & three 1/2" sockets (1/2", 9/16" & 5/8"), plus storage rail.

Stk.	Mfr.	Price
<b>433150</b>	80579	<b>\$45.20</b>

**GearWrench 13-Piece Torx Includes** seven 1/4" sockets (T#'s 8, 10, 15, 20, 25, 27 & 30), 1/2" socket (T-60, five 3/8" sockets (T#'s 40, 45, 47, 50 & 55), plus storage rail.

Stk.	Mfr.	Price
<b>433228</b>	80723	<b>\$34.50</b>

**GearWrench 36-Piece Torx & Hex Includes** six 1/4" Torx® press fit bit sockets (T#'s 10, 15, 20, 25, 27 & 30), four 1/4" external Torx sockets (E#'s 5, 6, 7 & 8), five 3/8" Torx press fit bit sockets (T#'s 40, 45, 47, 50 & 55), four 3/8" external Torx sockets (E#'s 10, 12, 14 & 16), six 3/8" standard hex bit sockets (5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"), ten 3/8" hex bit sockets (2, 2.5, 3, 4, 5, 6, 7, 8, 9 & 10mm), plus 1/2" external Torx socket (E-18) & molded case.

Stk.	Mfr.	Price
<b>433230</b>	80726	<b>\$113.00</b>

**Lisle 10-Piece Torx Includes** seven 1/4" bits T#'s 10-40, three 3/8" bits T#'s 45-55, 2 bit holders & vinyl holder.

Stk.	Mfr.	Price
<b>503741</b>	26530	<b>\$32.10</b>



## Mechanic's Tool Sets

**Craftsman Industrial** Made of alloy steel, heat treated, oil-quenched and tempered for uniform hardness and maximum strength. Mfr.'s lifetime warranty. USA made.

**Please visit our website for a complete listing of tools.**

**65-Piece Includes** 1/4" & 3/8" standard & metric sockets & case.

Stk.	Mfr.	Price
<b>305600</b>	3278	<b>\$157.00</b>

**99-Piece Includes** 1/4", 3/8", 1/2" drive tools, 11-piece standard combination wrenches, 10-piece magnetic screwdriver bit set, 14-piece standard hex key set & case.

Stk.	Mfr.	Price
<b>305589</b>	2977	<b>\$236.00</b>

**148-Piece Includes** 1/4", 3/8", 1/2" drive tools, plus 11-piece combination wrenches, 10-piece magnetic screwdriver bit set, 14-piece hex key set & case.

Stk.	Mfr.	Price
<b>305590</b>	2979	<b>\$390.00</b>

**314-Piece Includes** 1/4", 3/8", 1/2" drive tools, 10-piece standard crowfoot wrenches, 8-piece standard reversible ratcheting wrenches, 11-piece metric reversible ratcheting wrenches, 7-piece standard locking flex ratcheting wrenches, 9-piece standard open end wrenches, 4-piece standard flare nut wrenches, 12-piece magnetic nut driver bit set, 14-piece standard hex key set & 14-piece metric hex key set.

Stk.	Mfr.	Price
<b>305730</b>	29792	<b>\$1,436.00</b>

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### Automotive Tool Sets

Please visit our website for complete tool listings.

**GearWrench 121-Piece Includes** 27-piece 1/4" socket & tool set, 33-piece 3/8" socket & tool set, 24-piece fractional/metric long combination wrench set, 13-piece fractional Allen key set, 6-piece combination screwdriver set, 5-piece punch & chisel set, 5-piece general purpose tool set, 4-piece pliers set, 3-piece KD® specialty tool set, plus 4 socket storage rails, screwdriver storage tray & tool box w/tray.

Stk.	Mfr.	Price
<b>433540</b>	83090	<b>\$617.00</b>

**S-K 146-Piece Includes** 94 6-point sockets, fractional & metric, standard in 1/4" drive, fractional & metric, standard & deep in 3/8" drive & metric standard in 1/2" drive, 12 drive tools & attachments, plus 28 SuperKrome® wrenches, 4 pliers, 6 screwdrivers, hammer & hat.

<b>804100</b>	VTS03202	<b>\$1,297.00</b>
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**S-K 272-Piece Includes** 133 6-point sockets, fractional, metric & Torx®, standard & deep 1/4", 3/8" & 1/2" drive in fractional standard, 29 drive tools & attachments, 41 SuperKrome® wrenches in fractional & metric, 40 screwdrivers & hex keys, 15 punches, chisels & pry bars, plus 7 pliers, 3 hammers, adjustable wrench, scraper, fender cover & hat.

<b>804102</b>	VTS03289	<b>\$2,993.00</b>
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**S-K 278-Piece Includes** 169 6- & 12-point sockets, fractional, metric & Torx®, standard & deep in 1/4", 3/8" drive & 1/2" drive in fractional & metric, 17 drive tools, 31 SuperKrome® wrenches & ignition wrenches, 35 screwdrivers & hex keys, plus 6 pliers, 6 punches & chisels, 2 hammers, scraper & hat.

<b>804101</b>	VTS03211	<b>\$2,180.00</b>
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## ALLEN WRENCH SETS

### Pouched Set



### Stand Set



### T-Handle Hex Key Sets

**Eklind** | continuous piece of hexagon, industrial-grade alloy steel. Heat-treated for optimum strength. Black rust-resistant finish. Proportional-balanced design for maximum leverage, reach and torque. Square-cut ends engage the full socket depth for tightening without reaming. USA made.

**Includes** standard keys & vinyl pouch.

**8-Piece Fractional Pouch Sets Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4".

Stk.	Mfr.	Length	Price
<b>385200</b>	33168	6"	<b>\$20.70</b>
<b>385210</b>	33198	9"	<b>\$23.90</b>

**10-Piece Fractional Pouch Sets Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8".

<b>385220</b>	33610	6"	<b>\$37.60</b>
<b>385230</b>	33910	9"	<b>\$42.70</b>

**10-Piece Fractional Stand Sets Includes** 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8".

<b>385270</b>	50160	6"	<b>\$53.10</b>
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**8-Piece Metric Pouch Set Includes** 2, 2.5, 3, 4, 5, 6, 8 & 10mm.

<b>385250</b>	35168	6"	<b>\$32.70</b>
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**8-Piece Metric Stand Sets Includes** 2, 2.5, 3, 4, 5, 6, 8 & 10mm.

<b>385280</b>	56168	6"	<b>\$48.90</b>
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### Power-T™ T-Handle Hex Key Sets

**Eklind** Ergonomic, textured, slip-resistant grip provides extra torque and safety. Made from the highest quality hex steel, heat treated for maximum strength and finished to resist rust. Color-coded for easy identification. Sizes stamped on handle.

**Fractional Includes** L-handle keys: .050 & 1/16" T-handle keys: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8", plus stand.

Stk.	Mfr.	Item	Length	Price
<b>385285</b>	60614	13-Piece	6"	<b>\$58.60</b>
<b>385286</b>	60914	13-Piece	9"	<b>\$64.50</b>

**Metric Includes** L-handle keys: 1.3 & 1.5mm, T-handle keys: 2, 2.5, 3, 4, 5, 6, 8 & 10mm, plus stand.

<b>385287</b>	64611	10-Piece	6"	<b>\$46.60</b>
<b>385288</b>	64911	10-Piece	9"	<b>\$52.60</b>



### Fold-up Hex Sets

**Fractional Sets** Precision heat-treated hardened and tempered to assure maximum strength throughout with a rust resistant black oxide finish. Tightly secured in a 1-piece steel case with a correctly proportioned handle.

<b>385000</b>	20511	<i>Eklind</i> 5-Pc., 3/16", 7/32", 1/4", 5/16", 3/8"	<b>\$11.40</b>
<b>385030</b>	20811	<i>Eklind</i> 8-Pc., .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"	<b>\$5.47</b>
<b>385031</b>	20812	<i>Eklind</i> 8-Pc., 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	<b>\$11.10</b>
<b>922743</b>	4991	<i>Proto</i> 8-Pc. Long, 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	<b>\$11.60</b>
<b>385051</b>	20912	<i>Eklind</i> 9-Pc., .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16"	<b>\$6.66</b>
<b>385050</b>	20911	<i>Eklind</i> 9-Pc., 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	<b>\$8.44</b>
<b>922006</b>	4978	<i>Proto</i> 9-Pc., .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16"	<b>\$7.43</b>

**Fractional Sets** Ergonomic, soft-grip case w/steel side plate & push-button locks at 90°, 135° & 180°.

<b>243417</b>	DWHT70262M	<i>DeWalt</i> 8-Pc., 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	<b>\$14.80</b>
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**Fractional Sets** Ergo-Fold™ case w/ergonomic, soft-grip handle for comfort & slip resistance, hard shell for strength.

<b>385160</b>	25911	<i>Eklind</i> 9-Pc., 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	<b>\$10.50</b>
<b>385161</b>	25912	<i>Eklind</i> 9-Pc., .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16"	<b>\$8.96</b>

**Metric** Precision heat-treated hardened and tempered to assure maximum strength throughout with a rust resistant black oxide finish. Tightly secured in a 1-piece steel case with a correctly proportioned handle.

<b>385100</b>	21151	<i>Eklind</i> 6-Pc., 3, 4, 5, 6, 8, 10mm.	<b>\$12.10</b>
<b>921805</b>	4973	<i>Proto</i> 6-Pc., 3, 4, 5, 6, 8, 10mm.	<b>\$12.40</b>
<b>385110</b>	21171	<i>Eklind</i> 7-Pc., 1.5, 2, 2.5, 3, 4, 5, 6mm.	<b>\$6.89</b>
<b>921872</b>	4974	<i>Proto</i> 7-Pc., 1.5, 2, 2.5, 3, 4, 5, 6mm.	<b>\$7.16</b>
<b>385111</b>	21172	<i>Eklind</i> 7-Pc., 2, 2.5, 3, 4, 5, 6, 8mm.	<b>\$9.09</b>

**Metric** Ergonomic, soft-grip case w/steel side plate & push-button locks at 90°, 135° & 180°.

<b>243418</b>	DWHT70263M	<i>DeWalt</i> 8-Pc., 1.5, 2, 2.5, 3, 4, 5, 6, 8mm.	<b>\$14.90</b>
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**Fractional & Metric Set** Ergo-Fold™ case w/ergonomic, soft-grip handle for comfort & slip resistance, hard shell for strength. **Includes** 9-piece fractional: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" & 1/4". 7-piece metric: 1.5, 2, 2.5, 3, 4, 5 & 6mm.

<b>385170</b>	26160	<i>Eklind</i> 16-Pc.	<b>\$14.70</b>
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### L-Hex Key Sets

#### Fractional Cased

Stk.	Mfr.	Item	Price
<b>384900</b>	I0115	<i>Eklind</i> 15-Pc., .028", .035", .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".	<b>\$25.20</b>
<b>485515</b>	HK99	<i>Fastener Barn</i> 95-Pc., 10 ea. .050, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16" & 7/32" & 5 ea. 1/4", 5/16", 3/8".	<b>\$50.00</b>

#### Fractional Molded Holder

<b>384870</b>	I0018	<i>Eklind</i> 18-Pc. Short & Long, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 7/32", 1/16", 5/64", 3/32", 1/8", 9/64", 5/32", 3/16", 1/4", 5/16".	<b>\$9.50</b>
<b>384880</b>	I0107	<i>Eklind</i> 7-Pc. Short, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".	<b>\$4.00</b>
<b>384882</b>	I0111	<i>Eklind</i> 11-Pc. Short, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4".	<b>\$6.30</b>
<b>922019</b>	4981	<i>Proto</i> 11-Pc., .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4".	<b>\$7.23</b>
<b>922020</b>	4982	<i>Proto</i> 7-Pc., 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".	<b>\$5.12</b>

#### Fractional Vinyl Pouch

<b>385300</b>	69218	<i>Eklind</i> 18-Pc. Short, .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" & 7/32". Long pattern 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 1/4", 5/16".	<b>\$8.58</b>
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#### Metric Cased

<b>384920</b>	I0515	<i>Eklind</i> 15-Pc. Short, 0.7, 0.9, 1.3, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 17mm	<b>\$46.30</b>
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#### Metric Molded Holder

<b>384915</b>	I0507	<i>Eklind</i> 7-Pc. Short, 1.5, 2, 2.5, 3, 4, 5, 6mm.	<b>\$6.98</b>
<b>384916</b>	I0509	<i>Eklind</i> 9-Pc. Short, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm.	<b>\$11.10</b>

#### Metric Pouched

<b>385292</b>	69210	<i>Eklind</i> 10-Pc., 1.3, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm.	<b>\$7.34</b>
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### Ball-Hex-L Sets

*Eklind* Keys w/a ball profile on the long arm. Rotates 360° up to 35° for extra torque. Color-coded holders.

**9-Pc. Long Metric Includes** 1.5, 2, 2.5, 3, 4, 5, 6, 8, & 10 mm, plus molded holder.

Stk.	Mfr.	Price
<b>384960</b>	I3609	<b>\$20.10</b>

**22-Pc. Fractional & Metric Includes** .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" & 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm.

<b>384950</b>	I3222	<b>\$44.20</b>
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### 26-piece Ball Hex Key Set

*Craftsman* High tensile strength alloy steel. Each key delivers 28° of access to bolts.

**Includes** .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" & 1.5, 2, 2.5, 3, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm, plus molded holder.

Stk.	Mfr.	Price
<b>305769</b>	46274	<b>\$48.50</b>



### Torx® Key Sets

#### Eklind Fold up Sets

Stk.	Mfr.	Item	Price
<b>385150</b>	22571	7-Piece, 10, 15, 20, 25, 27, 30 & 40.	<b>\$15.70</b>
<b>385151</b>	22572	7-Piece, 6, 7, 8, 9, 10, 15 & 20.	<b>\$15.70</b>

**Eklind L-Key Molded Holder Includes** T#'s 10, 15, 20, 25, 27, 30 & 40.

<b>384930</b>	I0807	7-Piece Short	<b>\$15.90</b>
<b>384931</b>	I0907	7-Piece Long	<b>\$20.20</b>

**Proto Pouch Set Includes** T#'s 10, 15, 20, 25, 27, 30, 40, 45, 50 & 55.

<b>921792</b>	4961	10-Piece	<b>\$65.40</b>
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## WRENCHES



### Adjustable Wrenches

Wrenches of fine alloy steel heat-treated for extra strength. Tension spring under knurl helps

prevent jaw opening from changing adjustment. Open handle design permits easier knurl adjustment.

#### Crescent Black Oxide Finish Polished head.

Stk.	Mfr.	Size	Length	Price
<b>307737</b>	AT14	1/2"	4"	<b>\$21.90</b>
<b>307871</b>	AT16	15/16"	6"	<b>\$22.30</b>
<b>308005</b>	AT18	1-1/8"	8"	<b>\$24.20</b>
<b>310216</b>	AT110	1-5/16"	10"	<b>\$25.30</b>
<b>310350</b>	AT112	1-1/2"	12"	<b>\$42.70</b>

#### Crescent Black Oxide Finish Tapered Handle Polished head.

<b>310484</b>	AT115	1-11/16"	15"	<b>\$71.90</b>
<b>310618</b>	AT118	2-1/16"	18"	<b>\$123.00</b>

#### Crescent Chrome Finish Polished head & satin finished handle.

<b>307670</b>	AC14	1/2"	4"	<b>\$24.40</b>
<b>307804</b>	AC16	15/16"	6"	<b>\$25.70</b>
<b>307938</b>	AC18	1-1/8"	8"	<b>\$26.90</b>
<b>310149</b>	AC110	1-5/16"	10"	<b>\$34.90</b>
<b>310283</b>	AC112	1/12"	12"	<b>\$50.30</b>

#### Crescent Chrome Finish Tapered Handle Polished head & satin finished handle.

<b>310417</b>	AC115	1-11/16"	15"	<b>\$81.20</b>
<b>310551</b>	AC118	2-1/16"	18"	<b>\$139.00</b>

#### Crescent 3-Piece Chrome Finish Polished head & satin finished handle. Includes 6"L, 8"L, 10"L wrenches & pouch.

<b>307660</b>	AC3			<b>\$83.00</b>
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#### Great Neck Drop Forged Steel

<b>281021</b>	AW6C		6"	<b>\$7.56</b>
<b>281022</b>	AW8C		8"	<b>\$8.64</b>
<b>281023</b>	AW10C		10"	<b>\$11.10</b>
<b>281024</b>	AW12C		12"	<b>\$14.30</b>

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### 12-Point Box End Wrenches

#### Blackhawk Long

Stk.	Mfr.	Size	Length	Price
905208	BWS-1202P	5/16" x 3/8"	7.2"	\$15.10
905209	BWS-1206P	7/16" x 1/2"	8.3"	\$15.90
905210	BWS-1210P	1/2" x 9/16"	9.4"	\$16.60
905211	BWS-1211P	9/16" x 5/8"	10.1"	\$17.30
905212	BWS-1216P	13/16" x 7/8"	13.3"	\$22.70

**Blackhawk 6-Piece Set Long Includes** 5/16" x 3/8", 7/16" x 1/2", 5/8" x 9/16", 11/16" x 3/4", 13/16" x 7/8" & 15/16" x 1".

905214	BW-6PTNB			\$97.10
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#### Proto Obstruction

908338	1725	7/16" x 1/2"	5-1/2"	\$27.50
908405	1730	9/16" x 5/8"	6"	\$32.00
908472	1731	5/8" x 3/4"	6-1/2"	\$36.90

**S-K 11-Piece Short Includes** 6-point 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 12-point 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 3/4", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1".

803483	311R			\$195.00
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**GearWrench 4-Piece Ratcheting Includes** 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8" & 11/16" x 3/4".

432800	9240D			\$53.00
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**Klein 5-Piece Ratcheting Includes** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" & 5/8" x 3/4", plus roll pouch.

945000	68221			\$108.00
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**GearWrench 6-Piece Ratcheting Includes** 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18 & 17 x 19mm.

432810	9260			\$76.60
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### Open End Wrench Sets

**Armstrong 8-Piece Tappet** Industrial-quality, extra-thin wrenches. Forged, 1-piece design with satin finish. Anti-slip notches for greater torque. USA made. Meets/exceeds ANSI standards. **Includes** 2 ea. of 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8", plus roll pouch.

Stk.	Mfr.	Price
219570	27-770	\$155.00

**Armstrong 9-Piece Ignition** Industrial-quality 15° and 80° wrenches. Forged, 1-piece design with full-polish finish. Anti-slip notches for greater torque. USA made. Meets or exceeds ANSI standards. **Includes** 13/64", 7/32", 15/64", 1/4", 9/32", 5/16", 11/32", 3/8", plus 5" ignition pliers & pouch.

219580	27-942	\$96.60
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**GearWrench 5-piece Flare Nut Flex Includes** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8".

433506	81910	\$67.30
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**GearWrench 6-Piece Fractional Flare Nut Includes** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8" & tray.

433508	81907	\$43.80
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**GearWrench 6-Piece Metric Flare Nut Includes** 9 x 11, 10 x 12, 13 x 14, 15 x 17, 16 x 18 & 19 x 21mm, plus storage tray.

433507	81906	\$56.10
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**GearWrench 6-Piece Metric Open End Includes** 6 x 7, 8 x 10, 10 x 12, 11 x 13, 12 x 14 & 17 x 19mm.

433515	81928	\$33.80
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**GearWrench 7-Piece Fractional Open End Includes** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 13/16" x 3/4", 15/16" x 1" & 1-1/8" x 1-1/4".

433516	81929	\$54.40
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### Combination Wrenches

#### Blackhawk

#### 12-Point Fractional Box end bent at 15°

Stk.	Mfr.	Size	Length	Price
905061	BW-1156	1/4"	4"	\$9.66
905079	BW-1159	5/16"	4-1/2"	\$9.80
905085	BW-1160	3/8"	5-1/4"	\$9.92
905097	BW-1161	7/16"	5-3/4"	\$10.20
905109	BW-1162	1/2"	6-1/2"	\$10.40
905128	BW-1163	9/16"	6-3/4"	\$11.60
905140	BW-1164	5/8"	8"	\$12.70
905152	BW-1165	11/16"	8-1/2"	\$13.80
905164	BW-1166	3/4"	9-3/4"	\$14.60
905183	BW-1167A	13/16"	10-1/2"	\$17.30
905182	BW-1167	7/8"	11-1/2"	\$21.80
905195	BW-1168	15/16"	12-1/2"	\$24.60
905201	BW-1170	1"	13-1/2"	\$29.10
905207	BW-1171	1-1/16"	14-3/4"	\$32.80
905213	BW-1172	1-1/8"	15-1/2"	\$35.40
905219	BW-1173	1-1/4"	17"	\$54.40

#### 12-Point Metric

Stk.	Mfr.	Size	Length	Price
905049	BW-1107M	7mm	4"	\$10.10
905050	BW-1108M	8mm	4-1/2"	\$10.20
905051	BW-1109M	9mm	4-3/4"	\$10.30
905052	BW-1110M	10mm	5"	\$10.40
905053	BW-1111M	11mm	5-3/4"	\$11.40
905054	BW-1112M	12mm	6-1/8"	\$12.10
905056	BW-1113M	13mm	6-1/2"	\$11.80
905057	BW-1114M	14mm	7"	\$12.10
905058	BW-1115M	15mm	7-1/2"	\$12.50
905059	BW-1116M	16mm	8"	\$13.60
905060	BW-1117M	17mm	8-3/4"	\$15.10
905062	BW-1118M	18mm	9-1/8"	\$15.60
905063	BW-1119M	19mm	9-3/4"	\$17.10
905064	BW-1121M	21mm	10-1/2"	\$19.00
905065	BW-1122M	22mm	11-1/2"	\$24.00

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### Combination Wrench Sets

**GearWrench 14-Piece 6-Point Fractional Includes** 1/4", 15/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1".

Stk.	Mfr.	Price
<b>433510</b>	81924	<b>\$48.70</b>

**GearWrench 14-Piece 6-Point Metric Includes** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm.

Stk.	Mfr.	Price
<b>433511</b>	81925	<b>\$43.60</b>

**GearWrench 28-Piece 6-Point Fractional & Metric Includes**

14-piece fractional set 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1". 14-piece metric set 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19mm.

Stk.	Mfr.	Price
<b>433509</b>	81923	<b>\$87.60</b>

**Master Mechanic 6-Piece 12-Point Fractional Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", plus rack.

Stk.	Mfr.	Price
<b>943273</b>	106179	<b>\$19.50</b>

**Blackhawk 9-Piece 12-Point Fractional Includes** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4", plus pouch.

Stk.	Mfr.	Price
<b>905830</b>	9609PNB	<b>\$97.80</b>

**Stanley 13-Piece 12-Point Fractional Includes** 1/4", 5/16", 3/8", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 9/32", 11/32" & 7/16".

Stk.	Mfr.	Price
<b>864820</b>	87-244	<b>\$54.00</b>

**Stanley 11-Piece 12-Point Fractional Includes:** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16".

Stk.	Mfr.	Price
<b>864840</b>	94-385W	<b>\$36.70</b>

**Blackhawk 14-Piece 12-Point Fractional Includes** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 13/16", 15/16", 1", 1-1/8" & 1-1/4", plus roll pouch.

Stk.	Mfr.	Price
<b>905589</b>	MF-014	<b>\$197.00</b>

**Stanley 14-Piece 12-Point Fractional Includes** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" & 1-1/4".

Stk.	Mfr.	Price
<b>864815</b>	85-990	<b>\$81.70</b>

**S-K 15-Piece 12-Point Fractional Includes** 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", plus rack.

Stk.	Mfr.	Price
<b>831567</b>	86255	<b>\$281.00</b>

**Craftsman Industrial 17-Piece 12-Point Fractional Includes** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" & 1-5/16".

Stk.	Mfr.	Price
<b>305704</b>	24410	<b>\$150.00</b>

**Blackhawk 17-Piece 12-Point Fractional Includes** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 13/16", 15/16", 1", 1-1/16", 1-1/8", 1-5/16" & 1-1/4", plus roll pouch.

Stk.	Mfr.	Price
<b>905586</b>	MF-017	<b>\$184.00</b>

**GearWrench 4-Piece 12-Point Ratcheting Includes** 3/8", 7/16", 1/2", 9/16", plus molded storage tray.

Stk.	Mfr.	Price
<b>432820</b>	9304	<b>\$39.20</b>

**GearWrench 8-Piece Reversible 12-Point Ratcheting Includes** 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", plus molded storage tray.

Stk.	Mfr.	Price
<b>432830</b>	9533N	<b>\$79.70</b>

**Stanley 11-Piece 12-Point Metric Includes** 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 17mm.

Stk.	Mfr.	Price
<b>864841</b>	94-386W	<b>\$36.70</b>

**S-K 15-Piece 12-Point Metric Includes** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm plus locking rack.

Stk.	Mfr.	Price
<b>831568</b>	86265	<b>\$204.00</b>

**Craftsman Industrial 17-Piece Set 12-Point Metric Includes** 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 & 22mm.

Stk.	Mfr.	Price
<b>305705</b>	24411	<b>\$133.00</b>

**Blackhawk 17-Piece 12-Point Metric Includes** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 & 22mm, plus pouch.

Stk.	Mfr.	Price
<b>905590</b>	MF-017M	<b>\$181.00</b>

**Craftsman Industrial 35-Piece 12-Point Standard & Metric Includes** 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16" & 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 & 22mm.

Stk.	Mfr.	Price
<b>305800</b>	81745	<b>\$246.00</b>

**Blackhawk 8-Piece 6- & 12-Point Metric Includes** 6-pt. 8 & 9, 12-pt. 10, 11, 12, 14, 17 & 19mm, plus roll pouch.

Stk.	Mfr.	Price
<b>905587</b>	MF-008M	<b>\$90.40</b>



### Magnetic Tool Holder

**Master Magnetics** Strong, permanent magnetic bars are designed to hold large or small tools or metal parts firmly. Provides easy grasp and instant release. Black w/yellow Day-Glo striping for high visibility.

Stk.	Mfr.	Length	Price
<b>530000</b>	07661	24"	<b>\$21.20</b>



### Combination Wrench Rack

**Wright** 15-slot locking rack neatly stores wrenches. Durable plastic rack has pre-drilled holes to easily mount to wall or toolbox. Red.

Stk.	Mfr.	Price
<b>532805</b>	S1203RACK	<b>\$21.20</b>

*Inspect all deliveries immediately for shipping damage, including concealed damage. All damage must be noted by the delivery person on the Bill of Lading. Contact our Customer Service Department for assistance with damage claims.*

# ROTARY TOOLS



## Fortiflex™ Flex Shaft Tool Kit

**Dremel** The ideal rotary tool for detailed projects requiring both precision and power. 2.5 Amp (1/5 HP) motor provides high torque at low speeds making it perfect for power-carving, shaping and grinding. Flexible shaft includes a patented bearing system for durability and cool operation. Precision hand piece is engineered for control and comfort even with extended use. 3-jaw chuck accepts accessories with shank sizes from 0"- 5/32". Foot-operated speed control delivers the right speed for every job.

**Includes** VS foot pedal, heavy-duty flex shaft, hand-piece w/3-jaw chuck, wall hook, chuck wrench, HS cutter, brush wheel, 1/4" & 1/2" sanding mandrel, 1/4" sanding band (1 ea. 60 & 2 ea. 120 grit), 1/2" sanding bands (1 ea. 60 & 2 ea. 120 grit), diamond wheel point, tungsten carbide cutter, aluminum oxide grinding stone, 3/16" silicon carbide grinding stone, drill bit set & manual.

Stk.	Mfr.	Volts	Amps	Speed	Price
<b>343441</b>	9100-21	120	2.5	23,000 RPM	<b>\$288.00</b>



## 100 Series Rotary Tool Kit

**Dremel** Single-speed control for routing, cutting, drilling and sanding. Lightweight design gives comfort during prolonged use. Cool-running ball bearing construction for smooth and quiet operation. Replaceable brushes extend tool life. 2-yr. mfr.'s warranty.

**Includes** 7 assorted bits/accessories & 6' cord.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>342798</b>	100-N/7	120	1.15	35,000	<b>\$57.60</b>



## 200 Series Rotary Tool Kit

**Dremel** Two-speeds allow low speed for cleaning applications and brush accessories, plus high-speed for routing, cutting and sanding. Click-and-set on/off switch allows precise speed selection. Lightweight, comfortable design.

Cool-running ball bearing construction for smooth, quiet operation. Replaceable brushes extend tool life. 3-yr. mfr.'s warranty.

**Includes** 15 assorted bits/accessories, lawn mower/garden tool sharpener, plastic case & 6' cord.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343021</b>	200-1/15	120	1.15	15,000-35,000	<b>\$74.00</b>



## 3000 Variable Speed Rotary Tool Kits

**Dremel** EZ Twist™ nose cap with integrated wrench allows nose cap to be used to tighten accessories. Fan design and side vents make for a cooler running tool. Can be used with all Dremel accessories and most attachments. Replaceable motor brushes extend tool life. 4-yr. mfr.'s warranty.

**Please visit our website to see a listing of all accessories.**

**24-Piece Accessory Kit Includes** 6' cord & molded case, plus 24 assorted bits/accessories.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343104</b>	3000-1/24	120	1.2	5,000-32,000	<b>\$101.00</b>

**28-Piece Accessory Kit Includes** 6' cord & molded case, plus 28 assorted bits/accessories.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343105</b>	3000-2/28	120	1.2	5,000-32,000	<b>\$115.00</b>



## 4000 Series High Performance Rotary Tool Kits

**Dremel** High-performing, versatile rotary tools feature increased motor strength, plus electronic feedback circuitry that enables consistent performance at all speed levels. Accepts all existing Dremel accessories/ attachments, plus high-performance attachments to complete the widest range of projects. Slim, ergonomic body provides a 360° grip zone for comfort and control. 5-yr. mfr.'s warranty.

**30-Piece Accessory Kit Includes** circle cutter/straight edge guide, sanding/grinding guide, wrench, Quick Start Book, 6' cord & case, plus 30 assorted bits.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343133</b>	4000-2/30	120	1.6	5,000-35,000	<b>\$119.00</b>

**50-Piece Accessory Kit Includes** circle cutter/straight edge guide, sanding/grinding guide, wrench, Quick Start Book, 6' cord & case, plus 50 asst. bits/access., planer attachment, flex-shaft attachment, multipurpose cutting guide, detail nose piece, lawn mower/garden tool sharpener.

Stk.	Mfr.	Volts	Amps	Speed (rpm)	Price
<b>343134</b>	4000-6/50	120	1.6	5,000-35,000	<b>\$204.00</b>



## 8V Lithium-ion Cordless Rotary Tool Kit

**Dremel** Cordless rotary tool for finishing, sanding, polishing, cleaning, engraving and more. VS control for setting speed to match the task at hand. Li-ion battery maintains charge up to 2 years while in storage. Comfort grip housing for easier handling and better tool control. Mfr.'s 2-year limited warranty.

**Includes** 2 mandrels, bristle brush, 1/2" drum sander, 2 felt polishing wheels, polishing compound, two 1/2" 240 grit sanding band, three 1/2" 60 grit sanding band, three 1/2" 120 grit sanding sand, three 1-1/4" cut-off wheel, 2 aluminum oxide grinding stones & wrench.

Stk.	Mfr.	Volts	Speed (rpm)	Price
<b>343865</b>	8100-N/21	8	5,000-30,000	<b>\$106.00</b>



## Micro 8V Max Rotary Tool Kit

**Dremel** Cordless rotary tool for light duty tasks. Cuts metal with ease. Provides 360° grip close to the work piece for superior control. LED lights built into the nose cap illuminate projects. Features high-capacity Lithium-ion battery, docking station stops charging when batteries reach capacity and a quick-collet lock for fast accessory changes. Mfr.'s 2-yr. limited warranty.

**Includes** 3 mandrels, 3 cutters, four 1/2" sanding bands (two 60, 120, 240 grit), two 1-1/4" cut-off wheels, two ea. 1/2" & 1" felt polishing wheels, polishing compound, stainless steel brush & silicon carbide grinding stone.

Stk.	Mfr.	Volts	Speed (rpm)	Price
<b>343436</b>	8050-N/18	8	5,000 - 25,000	<b>\$129.00</b>



## Rotary Tool Kit

**Proxxon** Compact design with aluminum die-cast head provides a stable housing for the ground steel spindle. Torsion-free compact housing made of glass-fibre reinforced polyamide. Soft finger grip area. Quiet, precise and efficient. Separate on/off switch and speed control dial for perfect speed every time. 3/4" collar allows fitting of Proxxon drill stands and rotary tool holders. Complete with 6 high concentricity triple-slit steel collets 1/32"- 1/8".

**Includes** 34-piece accessory set: 4 grinding bits, 4 grinding wheels, saw blade, 20 cut off wheels, micro drill bit 0.5 mm, micro drill bit 0.8 mm, brass wheel brush, milling bit 2.3 mm, diamond bit sphere 1.8 mm, 6 steel collets, collet wrench & case.

Stk.	Mfr.	Volts	Speed (rpm)	Price
<b>303014</b>	38481	115	5,000-20,000	<b>\$178.00</b>



**Moto-Saw™**

**Dremel** A compact and easy solution for making detailed cuts in a variety of materials including wood, plastic, laminates and metal. Portable, precision-sawing tool is easy to store, set-up and operate. Tool-free blade changes. Auto-tensioner keeps blade taut and ready to cut. Ergonomic comfort grip provides control in any

cutting position. Functions as a stationary scroll saw or remove from base to use as a portable coping-saw.

Blade 3.8"L. Stroke .31"L. Throat 9.84"D.

**Includes** fast clamp base, side cutting blade, 4 wood & plastic blades, 4 fine wood blades, metal blade, vacuum adapter & storage case.

Stk.	Mfr.	Volts	Amps	Speed	Price
<b>343545</b>	MS20-01	120	.6	1,500-2,250	<b>\$135.00</b>



**7-Piece Sanding/Polishing Set**

**Dremel** Polish a variety of materials to a high luster, clean tough-to-reach areas & more.

**Includes** 3 abrasive buffs (180, 280 & 320 grit), 2 detail abrasive wheels (36 & 120 grit), cloth polishing wheel & polishing compound, plus storage case.

Stk.	Mfr.	Price
<b>343379</b>	EZ684-01	<b>\$26.50</b>



**11-Piece Carving/Engraving Set**

**Dremel** Gets students started carving & engraving.

**Includes** case, 3/32" collet bit, 4 engraving cutters (1/32", 1/16", 3/32", 1/32"), 5/64" diamond wheel point, 5/64" diamond carving bit, 4 silicon carbide grinding stones (1/8" round top 1/8" flat top, 9/32", 3/16").

Stk.	Mfr.	Price
<b>343396</b>	689-01	<b>\$19.20</b>



**31-Piece Sanding/Grinding Set**

**Dremel** Sharpen tools, remove rust, sand down sticking doors, engrave on glass & more.

**Includes** 1/8" mandrel, 1/2" sanding drum w/mandrel, 6 grinding stones (4 aluminum oxide & 2 silicon carbide), 6 sanding bands 1/2" (3 of 60 grit & 3 of 120 grit), abra-

sive buff, .0145 cut-off wheel & 15 medium sanding discs.

Stk.	Mfr.	Price
<b>343382</b>	686-01	<b>\$16.70</b>



**52-Piece General Purpose Set**

**Dremel** Cut, carve, sand, grind, clean, polish & more.

**Includes** high-speed cutter, 4 felt polishing wheels (2 of 1/4" & 2 of 1"), 2 mandrels (1/8" & screw-on), 1/2" sanding drum w/mandrel, 2 grinding stones (aluminum oxide & silicon carbide), 3 sanding bands 1/2" (1 of 60 grit & 2 of 120 grit), 37 cut-off wheels (36 of .025 & 1 of .0145), 3/4" steel wire brush & abrasive buff.

Stk.	Mfr.	Price
<b>343383</b>	687-01	<b>\$16.70</b>



**75-Piece Accessory Kit**

**Dremel** Assorted bits for cutting, grinding, drilling, carving, shaping, sanding, cleaning & polishing.

**Includes** HSS 1/8" ball nose cutter, 1/8" drill bit, 3 grinding stones (25/32" silicon carbide & 2 aluminum oxide 3/8" & 5/8"), 5 sanding bands, 1/2" (120-grit & 4 of 1/2" coarse grit), 24 sanding discs, 1/2" (12 of 120-grit & 12 of coarse), 3 mandrels (1/8" screw mandrel & 2 of 1/8" shank mandrel), 22 cut-off wheels (20 heavy-duty emery 15/16", emery 1-1/4" & fiberglass reinforced 1-1/4"), 10 felt polishing wheels (6 of 1/2" & 4 of 1"), 3/4" carbon steel brush, 60-grit sanding drum & mandrel polishing compound, plastic case & instructions.

Stk.	Mfr.	Price
<b>343398</b>	707-01	<b>\$21.80</b>



**110-Piece All-Purpose Accessory Kit**

**Dremel** Ideal for cutting, sanding, polishing, grinding & cleaning & more.

**Includes** 26 cut-off wheels (12 of 15/16" thin-cut, 12 of 15/16" regular, 1-1/4" fiberglass-reinforced, 1-1/4" regular), 8 felt polishing wheels (4 ea. 1/4" & 4 ea. 1"), polishing compound, 4 grinding stones (2 aluminum oxide, 2 silicon carbide), 60 grit sanding band & mandrel (1/4", 1/2"), 1/2" sanding bands (6 of 60 grit, 6 of 120 grit), 1/4" sanding bands (5 of 120 grit), 3/4" sanding discs (4 of 180 grit, 13 of 220 grit, 13 of 240 grit), high speed cutter, 2 mandrels, screw mandrel, dressing stone & wrench.

Stk.	Mfr.	Price
<b>343401</b>	709-02	<b>\$28.50</b>



**160-Piece Super Accessory Kit**

**Dremel** Versatile kit for cutting, grinding, sanding, polishing, drilling, sharpening, cleaning & more.

**Includes** 1/8" ball nose cutter, 2 cut-off wheels (1-1/4" & 1-1/2" reinforced), 2 cutting wheels, 1-1/2" (thin cut & plastic cut), 2 grinding stones (5/8" aluminum oxide, 9/32" silicon carbide), 30 sanding bands 1/4" (15 ea. of 60 & 120 grit), 30 sanding bands 1/2" (15 ea. of 60 & 120 grit), 1/4" sanding band w/mandrel (60-grit), 72 sanding discs, 3/4" (24 ea. of 180, 220 & 240 grit), 3/4" carbon steel brush, 9 felt polishing wheels (5 of 1/2" & 4 of 1"), EZ-lock polishing cloth, 4 mandrels, 1/8" (EZ-lock, shank & 2 of screw), polishing compound, 1/2" sanding drum w/mandrel (60-grit), collet wrench, 3 abrasive buffs (180, 280 & 320 grit), plus plastic case & instructions.

Stk.	Mfr.	Price
<b>343411</b>	710-08	<b>\$42.50</b>



**Multi-Vise™ Tool Holder**

**Dremel** Secure your project or free up a hand for extra control when using a rotary tool. Removable cushioned jaws protect delicate workpiece & provide a firm, steady grip. Rotates 360°/tilts 50°. Clamps to any work surface up to 2-1/2"T. Turns rotary tool into a stationary sander, grinder or polisher.

Removable clamping jaws create a stand-alone bar clamp.

Stk.	Mfr.	Price
<b>343700</b>	2500-01	<b>\$48.20</b>



**Flex-shaft Attachment**

**Dremel** Attaches to Rotary Tools 100, 200, 275, 285, 300, 395, 398, 400, 780, 800, 4000 & 8200. 36" cable. Use to carve, sand, polish, clean, engrave & cut.

Stk.	Mfr.	Price
<b>342930</b>	225-01	<b>\$41.00</b>



**Drill Press Stand**

**Dremel** Drill press, tool holder & flexible shaft holder. Drills perpendicular & angled holes in 15° increments (up to 90° horz.). Holds tool in place for sanding & buffing applications (& holds at 90° horz. for polishing metal, sanding & grinding metal pieces). Telescoping flex shaft holder extends from 16" to 29". On-board tool storage. Cord management clips. 56 sq./in. metal base w/4 clamping points.

**Includes** WorkStation attachment & mounting wrench.

**Shown w/Rotary Tool, sold separately.**

Stk.	Mfr.	Price
<b>342892</b>	220-01	<b>\$61.50</b>



**Plunge Router Attachment**

**Dremel** For use w/models 275, 285, 395, 398, 400 Series XPR. Transforms corded Rotary Tool into a plunge router for edging, grooving & freehand routing. Features a plunge lock-in handle & 2 depth stops w/quick release for fast & easy adjustments. Clear base, depth guide & on-board storage.

**Includes** edge & circle cutting guides.

**Shown w/Rotary Tool, sold separately.**

Stk.	Mfr.	Price
<b>343123</b>	335-01	<b>\$38.30</b>



**Right Angle Attachment**

**Dremel** For getting into tight areas, grinding rust off cars or snowblowers, or polishing an engine cylinder. Easy to attach w/out tools in place of housing cap. Small, durable design for long-lasting, versatile use.

- Ball bearings & spiral bevel gears provide smooth, cool operation
- Coupling system provides 12 different positions

Stk.	Mfr.	Price
<b>343300</b>	575	<b>\$30.00</b>



**Router/Shaper Table**

**Dremel** Converts corded Rotary Tool into a bench-mounted wood shaper for slotting, grooving, sanding & trimming edges.

**Includes** adjustable fence & 8" x 6" worktable.

**Shown w/Rotary Tool, sold separately.**

Stk.	Mfr.	Price
<b>342937</b>	231	<b>\$46.40</b>



**Rotary Tool Collets**

**Dremel**

Use for:

- Rotary Tools 245, 250, Series 3 & later

- 260, 270, 280, Series 2 & later
- 275, 285, 370, 380, 395, 850 Freewheeler & Mini Lite 750
- Rotary Flex Tools 232 & 332
- Chainsaver tools 241, 246, 277 & 8504
- 225 & 90199 flexible shaft attachments

Stk.	Mfr.	Size	Price
<b>343183</b>	483	1/32" Dia.	<b>\$3.45</b>
<b>343182</b>	482	1/16" Dia.	<b>\$3.45</b>
<b>343181</b>	481	3/32" Dia.	<b>\$3.45</b>
<b>343180</b>	480	1/8" Dia.	<b>\$3.45</b>



**MultiPro® Chuck**

**Dremel** Use to quickly & easily change accessories on Dremel's MultiPro Rotary Tool w/out having to change collets (use w/corded MultiPro Rotary Tool only).

Stk.	Mfr.	Price
<b>343850</b>	4486	<b>\$13.30</b>



**Screw Mandrel**

**Dremel** Use w/all cutting wheels, sanding discs & polishing wheels.

Stk.	Mfr.	Shank	Price
<b>343139</b>	402	1/8"	<b>\$3.48</b>

**343172 343170 343160 Steel Wire Brushes**



**Dremel** Use for polishing & removing rust on metal surfaces.

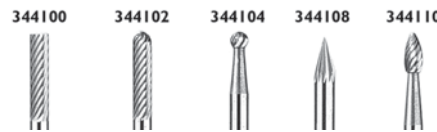
Stk.	Mfr.	Size	Shank	Price
<b>343172</b>	443	1/8" dia.	1/8"	<b>\$3.48</b>
<b>343170</b>	442	1/2" dia.	1/8"	<b>\$3.48</b>
<b>343160</b>	428	3/4" dia.	1/8"	<b>\$3.48</b>



**Shaping Wheel**

**Dremel** Carbide-coated wheel quickly & efficiently removes material. Easily creates compound curves. Use on woods, fiberglass, laminates, plastic, leather & Styrofoam® (not metal).

Stk.	Mfr.	Shank	Price
<b>343008</b>	801	1/8"	<b>\$19.80</b>



**Tungsten Carbide Cutters**

**Dremel** Outlast high speed cutters many times over.

Stk.	Mfr.	Size	Shank	Description	Price
<b>344100</b>	9901	1/8" dia.	1/8"	Square end	<b>\$10.90</b>
<b>344101</b>	9902	3/32" dia.	1/8"	Square end	<b>\$10.90</b>
<b>344102</b>	9903	1/8" dia.	1/8"	Round nose	<b>\$10.90</b>
<b>344103</b>	9904	3/32" dia.	1/8"	Round nose	<b>\$10.90</b>
<b>344104</b>	9905	1/8" dia.	1/8"	Ball nose	<b>\$10.90</b>
<b>344105</b>	9906	1/8" dia.	1/8"	Ball nose	<b>\$10.90</b>
<b>344108</b>	9909	1/8" dia.	1/8"	Taper point	<b>\$10.90</b>
<b>344109</b>	9910	1/8" dia.	1/8"	Taper point	<b>\$10.90</b>
<b>344110</b>	9911	1/8" dia.	1/8"	Cone point	<b>\$10.90</b>



**Grinding Stones**

**Dremel** Made of aluminum oxide for sharpening, deburring & general-purpose use. Mounted.

Stk.	Mfr.	Size	Shank	Price
<b>343422</b>	911	7/16" dia.	1/8"	<b>\$3.48</b>
<b>343429</b>	932	3/8" dia. Flat Top	1/8"	<b>\$3.48</b>
<b>343430</b>	945	3/16" dia.	1/8"	<b>\$3.48</b>
<b>343435</b>	952	3/8" dia. Round Top	1/8"	<b>\$3.48</b>
<b>343444</b>	971	5/8" dia.	1/8"	<b>\$3.48</b>

**342800 342882 342825 342823 342830 High Speed Cutters**



**Dremel** Made of high-quality steel. Can be used for shaping & hollowing most metals, plastics & woods.

**342843 342854 342879 342883 342891**



Stk.	Mfr.	Size	Shank	Description	Qty.	Price
<b>342800</b>	100	1/4" dia.	1/8"	Ball Nose	1	<b>\$6.60</b>
<b>342818</b>	114	5/16" dia.	1/8"	Ball Nose	1	<b>\$6.65</b>
<b>342882</b>	193	5/64" dia.	1/8"	Square Nose	1	<b>\$6.65</b>
<b>342886</b>	194	1/8" dia.	1/8"	Square Nose	2	<b>\$9.87</b>
<b>342893</b>	196	7/32" dia.	1/8"	Square Nose	2	<b>\$9.87</b>
<b>342820</b>	116	1/4" dia.	1/8"	Square Nose	1	<b>\$6.65</b>
<b>342821</b>	115	5/16" dia.	1/8"	Square Nose	2	<b>\$9.87</b>
<b>342825</b>	117	1/4" dia.	1/8"	Round Nose	2	<b>\$9.87</b>
<b>342823</b>	118	1/8" dia.	1/8"	Taper Point	1	<b>\$6.65</b>
<b>342835</b>	125	1/4" dia.	1/8"	Taper Point	2	<b>\$9.87</b>
<b>342830</b>	121	1/4" dia.	1/8"	Cone Nose	1	<b>\$6.65</b>
<b>342833</b>	124	5/16" dia.	1/8"	Cone Nose	1	<b>\$6.65</b>
<b>342843</b>	134	5/16" dia.	1/8"	Cup	1	<b>\$6.65</b>
<b>342854</b>	144	5/16" dia.	1/8"	Dual	1	<b>\$6.65</b>
<b>342879</b>	190	3/32" dia.	1/8"	Ball Nose	1	<b>\$6.65</b>
<b>342880</b>	191	1/8" dia.	1/8"	Ball Nose	1	<b>\$6.65</b>
<b>342883</b>	192	3/16" dia.	1/8"	Ball Nose	2	<b>\$9.87</b>
<b>342891</b>	199	3/8" dia.	1/8"	Cutter	1	<b>\$6.65</b>



**Wheels  
Dremel**

**Emery Cut-off Wheel** For slicing & cutting off metal & plastic. Fits Mandrel No. 402.

Stk.	Mfr.	Size	Qty.	Price
<b>343152</b>	409	15/16" dia.	36	<b>\$6.96</b>

**Heavy-duty Emery Cut-off Wheel** Fits Mandrel No. 402.

<b>343159</b>	420	15/16" dia.	20	<b>\$7.56</b>
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**Fiberglass Cut-off Wheel** Fits Mandrel No. 402.

<b>343166</b>	426	1-1/4" dia.	5	<b>\$10.20</b>
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**Cloth Polishing Wheel** For polishing all metals & plastics. Use w/ Polishing Compound. Fits Mandrel No. 402.

<b>343163</b>	423E	1" dia.	1	<b>\$4.75</b>
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**Emery Polishing Wheel** Impregnated w/fine emery for polishing metals. Use w/Mandrel No. 402.

<b>343164</b>	425	7/8" dia.	1	<b>\$3.45</b>
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**Felt Polishing Wheel** For polishing small areas. Fits Mandrel No. 401.

<b>343157</b>	414	1/2" dia.	6	<b>\$3.50</b>
<b>343167</b>	429	1" dia.	1	<b>\$3.50</b>

**Sanding Bands**

**Dremel** For sanding wood, fiberglass & plastics.

**Drum w/Mandrel**

Stk.	Mfr.	Size	Shank	Qty.	Price
<b>343148</b>	407		1/8"	1	<b>\$4.70</b>

**Sanding Band**

Stk.	Mfr.	Size	Shank	Qty.	Price
<b>343151</b>	408	1/2" band, 60 grit	1/8"	6	<b>\$3.48</b>
<b>343165</b>	432	1/2" band, 120 grit	1/8"	6	<b>\$3.48</b>

**Felt Polishing Tip**

**Dremel** Ideal for polishing in corners & hard-to-reach areas. Fits Mandrel No. 401.

Stk.	Mfr.	Size	Qty.	Price
<b>343162</b>	422	3/8" dia.	1	<b>\$3.50</b>

**Polishing Compound**

**Dremel** Apply to buffing wheels. Ideal for bringing high luster to metals or plastics.

Stk.	Mfr.	Price
<b>343161</b>	421	<b>\$3.50</b>

**ENGRAVERS**

**Electric Engraver**



**Dremel** Writes like a pencil on any material from glass to steel. Calibrated stroke adjustment dial regulates depth of engraving from fine lines to deep marks.

115V, 7,200 spm.

**Includes** carbide point (9924).

Stk.	Mfr.	Item	Price
<b>343080</b>	290-01		<b>\$23.80</b>

**Replacement Points**

Stk.	Mfr.	Item	Price
<b>344120</b>	9924	Carbide Point	<b>\$7.11</b>
<b>344125</b>	9929	Diamond Point	<b>\$19.90</b>

**Engraver GG12**



**Proxxon** Create fine details in glass, metal, wood and plastic. Easy-to-control engraver pen weighs only 4 oz. Engrave for hours without fatigue. Ball bearing assembly for smooth almost vibration free action. 2-yr. mfr.'s warranty. 12V, 20,000 rpm.

**Includes** diamond bit.

**Requires Micromot AC Adapter, sold separately.**

Stk.	Mfr.	Price
<b>303013</b>	28592	<b>\$26.60</b>

**Micromot AC Adapter.**

Stk.	Mfr.	Price
<b>303012</b>	38706	<b>\$46.90</b>

**Cordless Power Precision Engraver**



**General** Powerful 20,000 RPM motor for engraving in glass, metal, ceramic and plastic.

Aluminum body offers superior durability and the ergonomic grip provides comfort and ease-of-use. Uses standard 3/32" engraving bit.

**Includes** 2 AAA batteries.

Stk.	Mfr.	Price
<b>418500</b>	505	<b>\$20.00</b>

Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)

# BUFFERS



### Buffers

**Baldor** For use with soft cloth buffing wheels and buffing compounds.

**Includes** start/stop switch & cord.

**Wheels sold separately. Please specify voltage.**

**Buffers meet OSHA regulations if metal wheel covers, exhaust duct & dust collectors are added to the installation.**

### 6" Buffers

Stk.	Mfr.	Wheel Dia.	Volts	HP	Phase	Speed (rpm)	Price
224206	114	6"	115	1/4	1	1,800	<b>\$367.00</b>
224139	111	6"	115	1/3	1	3,600	<b>\$367.00</b>

### 8" Buffers

224675	332B	8"	115/230	3/4	1	1,800	<b>\$700.00</b>
224742	333B	8"	115/230	3/4	1	3,600	<b>\$700.00</b>



### Buffer Wheel Hoods

**KEI** Fits Baldor Buffers to entrap dust, provide safety & meet OSHA requirements.

- Easy to install
- USA made
- Access panel for easy wheel changing
- Hose outlet provides for dust collection

• Mounts directly to the buffer on the bell end near the shaft

**Please specify Baldor Buffer model.**

**6" Dia.** For Baldor Buffers #'s 111 & 114.

Overall size 7" dia. x 4"W x 3" outlet.

Stk.	Mfr.	Item	Price
493780	2401L	Left	<b>\$310.00</b>
493781	2401R	Right	<b>\$310.00</b>

**8" Dia.** For Baldor Buffers #'s 330-B, 332-B, 333-B & 334-B.

Overall size 9" dia. x 7"W x 4" outlet.

493782	2406L	Left	<b>\$390.00</b>
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**8" Dia.** For Baldor Buffers #'s 330-B, 332-B, 333-B & 334-B.

Overall size 9" dia. x 7"W x 4" outlet.

493783	2406R	Right	<b>\$390.00</b>
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### Adjustable Buffing Mandrel

**Shop Fox** Mandrels easily adapt to 5/8", 3/4" and 1" arbor holes on buffing wheels.

Stk.	Mfr.	Price
785647	D2802	<b>\$6.24</b>



### Buffing Compounds

**Dico** Packed compound tubes printed w/number, type, use & instructions.

**Please visit our website for more information about compounds.**

Stk.	Mfr.	Type	Size	Qty.	Price
335402	529-E5J	Emery	2" x 5"	17.6 oz.	<b>\$12.50</b>
335469	529-TC6J	Tripoli	2" x 5"	12 oz.	<b>\$12.50</b>
335201	529-SCRJ	Stainless	2" x 5"	15.2 oz.	<b>\$12.50</b>
335268	529-CRIJ	Chrome Rouge	2" x 5"	16 oz.	<b>\$12.50</b>
335345	529-WRJ	White Rouge	2" x 5"	16 oz.	<b>\$12.50</b>
335335	529-JRIJ	Jeweler's Rouge	2" x 5"	21.6 oz.	<b>\$18.00</b>
335134	529-PBCJ	Plastic	2" x 5"	13.6 oz.	<b>\$12.50</b>

**5-Piece Kit Includes** instruction manual & 3.5 oz. size tube each of Emery, Tripoli, Stainless, Chrome Rouge, Jeweler's Rouge.

335067	533-DBC				<b>\$27.70</b>
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### Dico Flanges

**Dico** For buffing wheels. 2 flanges required for ea. wheel (sold singly).

Stk.	Mfr.	Size	Qty.	Price
335050	535-58	5/8"	1	<b>\$1.17</b>
335052	535-34	3/4"	1	<b>\$1.17</b>



### Buffing Wheels

**Dico** Made of 100% cotton for consistent performance. Hand-turned ply for

greater durability & uniform wear, with tight-looped stitching for longer life. The unique arbor-adapting flanges allow greater versatility.

**Cushion Sewn** A medium density, professional-type buffing wheel for all general purpose buffing. **Includes** two 1/2" flanges.

Stk.	Mfr.	Dia.	Thick	Rows Sewn	Price
335737	526-36-6	6"	1/2"	2	<b>\$12.50</b>
336030	526-41-6	6"	3/4"	2	<b>\$15.00</b>
335810	526-36-8	8"	1/2"	3	<b>\$18.80</b>
336040	526-41-8	8"	3/4"	3	<b>\$23.10</b>

**Canton Flannel** Extra-soft flannel wheel for brilliant finishes and all final coloring operations. Safest wheel to use with rouge on precious metals. Made of 100% cotton for consistent performance. **Includes** two 1/2" flanges.

336072	526-60-6	6"	1/2"	2	<b>\$12.50</b>
336210	526-60-8	8"	1/2"	2	<b>\$16.30</b>

**Spiral Sewn** Coarse cutting action. Sewn in a continuous spiral from the center to the face. Dependable, well-balanced, long wearing wheels for general shop use. **Includes** toothed flanges for 1/2" spindle.

335820	526-40-6	6"	1/2"	1/4" spacing	<b>\$15.60</b>
335821	526-40-8	8"	1/2"	1/4" spacing	<b>\$18.70</b>

## MAGNIFYING TOOLS



### Magnifier Lamp

**Alvin** 4" dia., 3-diopter fine-ground glass lens with 1.75 magnification. Spring-balanced arm w/36" reach. Handle on shade makes lens easy to position. Clamps on up to 2-1/4" thick surfaces. Metal clamp. Accepts 60W bulb (not included).

Stk.	Mfr.	Price
482786	ML100-B	<b>\$31.40</b>



### X-Tra Hands

**X-Acto** Double alligator spring clamps and double joints hold work firmly at any angle. 2x magnifier for close, exacting work to free hands for soldering, gluing and positioning.

Stk.	Mfr.	Price
477084	X75170	<b>\$18.70</b>

## CAN'T FIND IT?

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Call us for assistance. 800-831-5904

## PAPERS & BOARDS



### Poster Board

**Royal** Excellent board with ink, poster colors and markers. Use for construction work, mats and art projects. Same color on both sides. Heavy 4-ply thick board. White color.

Stk.	Mfr.	Size	Qty.	Price
<b>684020</b>	24301	22" x 28"	1	<b>\$1.44</b>

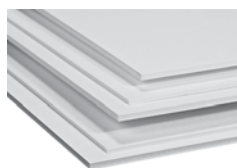


### Cellfoam 88™

**Midwest Products** Extruded, closed-cell polystyrene foam sheets are lighter than Balsa and tougher than foam board. Use for "foamie" models, craft projects and architectural models.

Consistent, smooth flat surface without paper liners. Accepts most paints (water-based, enamels & latex), most adhesives (epoxy, foam-safe CA, water based & polyurethane) and can be sanded.

Stk.	Mfr.	Size	Qty.	Price
<b>536595</b>	5920	11-1/2" x 11-1/2" x 1/8"	4	<b>\$5.44</b>
<b>536596</b>	5921	11-1/2" x 11-1/2" x 3/16"	3	<b>\$5.44</b>
<b>536597</b>	5922	11-1/2" x 11-1/2" x 3/8"	2	<b>\$5.44</b>



### White Foam Board

**Elmer's** For mounting, framing, silk screening and more. Resilient polystyrene cores ensure a clean precise cut with mat cutter, rabbit cutter or utility knife. Ideal for dry or vacuum mounting (from 180° to 220°F). Boards resist warping, denting and crushing. Bonds easily with fabrics,

paper and many other materials.

Stk.	Mfr.	Size	Qty./Pkg.	Price
<b>196377</b>	90109	20" x 30" x 3/16"	25	<b>\$102.00</b>
<b>196379</b>	90105	24" x 36" x 3/16"	25	<b>\$143.00</b>
<b>196378</b>	90510	30" x 40" x 3/16"	25	<b>\$196.00</b>

## CUTTING TOOLS



### Safe-T-Cut Straightedge

**Alvin** Ensure safe, accurate cutting with this unique vertical hardened aluminum straight-edge. Ideal for studio, shop or classroom use. The precision-rule edge is graduated in inches (1/16) and centimeters (1mm) for easier-than-ever trimming. Extra-wide 3-1/2" base

with nonskid rubber backing helps prevent slipping and accidental cuts. Convenient hanging ring.

Stk.	Mfr.	Length	Price
<b>196194</b>	SE12	12"	<b>\$35.90</b>
<b>196195</b>	SE18	18"	<b>\$43.50</b>



### Stainless Steel L-Square Ruler

**Alvin** Made of durable stainless steel with etched inch graduations. 3" x 4".

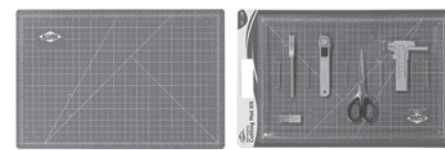
Stk.	Mfr.	Price
<b>196133</b>	SS34L	<b>\$8.05</b>



### Stainless Steel Triangle Ruler

**Alvin** Made of durable stainless steel with etched inch graduations. 3" x 3".

Stk.	Mfr.	Price
<b>196132</b>	SS3	<b>\$8.05</b>



### Cutting Mats & Kit

**Alvin** Self-healing, reversible 3mm thick mats. Durable composite vinyl material, for use with rotary and straight utility

blades, can be cut without showing cutting lines.

Printed grid pattern includes guide lines for 45° and 60° angles and 1/2" grid lines (mats 24" x 36"+ & above have horz. & vertical graduated marks). Fully-numbered edges are graduated with 1/8" marks extending beyond zero baseline. Non-stick surface is impervious to abrasions and liquid spills. Black on 1 side, green on the other (gridded on both).

Stk.	Mfr.	Size	Price
<b>196006</b>	GBM0812	8-1/2" x 12"	<b>\$5.04</b>
<b>196010</b>	GBM1218	12" x 18"	<b>\$9.90</b>
<b>196011</b>	GBM1824	18" x 24"	<b>\$16.70</b>
<b>196012</b>	GBM2436	24" x 36"	<b>\$31.70</b>

**6-Piece Kit Includes** mat, artist's knife w/spare blade, 7" scissors, rotary cutter & circle cutter w/spare blades.

Stk.	Mfr.	Size	Price
<b>196007</b>	GMK818	12" x 18"	<b>\$39.70</b>



### Cutting Mat & Knife

**X-Acto** Portable cutting solution. Protects work surface from the nicks and cuts from blades and cutting tools.

**Includes** a #1 knife & cutting mat.

Stk.	Mfr.	Size	Price
<b>476988</b>	X7768	4" x 7-1/2"	<b>\$11.20</b>



### #8 Lightweight Retractable Utility Knife

**X-Acto** Multi-purpose knife makes precise cuts through paper, mat board, foam board, delicate fabrics, sheet metal, plastic and more.

**Includes** 1 blade.

Stk.	Mfr.	Price
<b>477588</b>	X3208	<b>\$2.49</b>

**#8 Lightweight Utility Knife Blades X-Acto** Fits #8 Lightweight Retractable Utility Knife Mfr. X3208.

Stk.	Mfr.	Qty.	Price
<b>476810</b>	X208	5	<b>\$3.24</b>



### Straight/Bevel Cutter

**FoamWerks** Features adjustable blade depth, ergonomic handle and on-board blade storage. Works with 3/16" (5mm) foam board and can be used with any suitable straight edge. Transform from a straight cutter to a bevel cutter by rotating the angled base block.

**Includes** 2 blades.

Stk.	Mfr.	Price
<b>536585</b>	WC6010	<b>\$15.10</b>



**90° Rabbet Cutter**

**Alvin** Use on foam board to make perfect 90° comers and eliminate the exposure of internal foam. For use on all 3/16" foam boards. Ideal for model makers. Uses single edge razor blades.

Stk.	Mfr.	Price
<b>196148</b>	RB316	<b>\$16.40</b>

**Single Edge Razor Blades Master Mechanic** Fits all standard razor blade tools. Made of high-carbon surgical steel. Each blade is protected in shelling paper.

Stk.	Mfr.	Qty.	Price
<b>943279</b>	741330	10	<b>\$2.21</b>
<b>942846</b>	521013	100	<b>\$8.55</b>



**Rabbet Cutter**

**FoamWerks** Create perfect adjoining joints. Dual-blade action creates 1-stroke finished results. Use with right or left hand. Features ergonomic handle and on-board blade storage.

**Includes** 2 blades.

Stk.	Mfr.	Price
<b>536588</b>	WC4010	<b>\$15.10</b>



**SpeedFeed™ Heavy-Duty Snap-off Knife**

**Great Neck** For cutting tile, rope, cardboard, linoleum, wire, tape, plastics, nylon and more. End of blade snaps off easily to provide a new cutting edge each time. Rubberized ergonomic grip.

**Includes** 6 heavy-duty snap-off blades (5 stored in the handle).

Stk.	Mfr.	Item	Handle	Qty.	Price
<b>281250</b>	80026		6-1/2"L		<b>\$7.20</b>
<b>281156</b>	5BLBK	Replacement Blades		5	<b>\$2.94</b>



**SpeedFeed™ Light-Duty Snap-off Knife**

**Great Neck** For light-duty cutting of paper, leather, vinyl. Snap-off blade provides a new cutting edge each time.

**Includes** snap-off blade.

Stk.	Mfr.	Item	Handle	Qty.	Price
<b>281155</b>	SBK		5"L		<b>\$2.24</b>
<b>281157</b>	5BSBK	Replacement Blades		5	<b>\$2.52</b>



**Knife w/Light**

**X-Acto** #11 blade with an LED for improved accuracy in dimly lit work stations. Soft touch grip. Batteries included.

Stk.	Mfr.	Price
<b>476975</b>	X3279	<b>\$12.10</b>



**No.1 Light-Duty Knife**

**Techni Edge** Classic light-duty craft and hobby knife for precision cutting and trimming. Supplied with safety cap & No. 11 blade.

Stk.	Mfr.	Handle	Price
<b>943321</b>	TE01-012	4-7/8" Aluminum	<b>\$3.20</b>



**Axent Knife**

**X-Acto** Identical to the classic X-Acto #1 knife but with a flair of color to inspire all your creative endeavors. Supplied with No. 11 blade.

Stk.	Mfr.	Handle	Price
<b>477561</b>	X3036	4-7/8" Red Aluminum	<b>\$4.61</b>
<b>477562</b>	X3037	4-7/8" Blue Aluminum	<b>\$4.61</b>



**Retract-A-Blade Knife**

**X-Acto**

Fully retractable knife. Easy blade changes. Soft, triangle shape comfort grip provides for control and keeps the knife from rolling off work surface. Perfect for delicate, precision cutting and trimming of paper, plastic, balsa, thin metal, cloth and film. Supplied with No. 11 blade.

Stk.	Mfr.	Price
<b>477584</b>	X3204	<b>\$9.79</b>



**No. 1 Z-Series Knife**

**X-Acto**

Zirconium nitride coating adds strength to blade and tip. Supplied with No. 11 blade.

Stk.	Mfr.	Handle	Price
<b>477612</b>	XZ3601	4-7/8" Aluminum	<b>\$4.78</b>



**No. 2 Medium-Duty Hobby Knife**

**Techni Edge**

Medium-duty craft and hobby knife for precision cutting and trimming. Supplied with safety cap and No. 24 blade.

Stk.	Mfr.	Handle	Price
<b>943322</b>	TE01-022	5" Aluminum	<b>\$3.20</b>



**No. 5 Heavy-Duty Knife**

**X-Acto**

Contoured handle for sure grip. Supplied with No. 19 blade for precise, heavy-pressure cutting of heavyweight material.

Stk.	Mfr.	Handle	Price
<b>477585</b>	X3205	4-1/4" Plastic	<b>\$6.23</b>



**X2000 Knife**

**X-Acto**

Rubberized comfort grip has anti-roll design. Center barrel blade release for fast and easy blade changing. Supplied with No. 11 blade.

Stk.	Mfr.	Price
<b>477620</b>	X3728	<b>\$6.93</b>



**360° Swivel Knife**

**Revell**

360° swivel knife for precise cutting of curves, circles and designs. Features an aluminum handle and collet plus protective cap.

Stk.	Mfr.	Handle	Price
<b>688670</b>	88-6927	4-3/4" Aluminum	<b>\$6.81</b>



**Deluxe Retractable Knife**

**X-Acto**

Features push-button retractable stainless steel blade. Special handle for delicate, precision cutting and trimming. Supplied with X295 blade.

Stk.	Mfr.	Handle	Price
<b>477610</b>	X3295	4-7/8"	<b>\$14.90</b>





### No. 1 Knife Set

**X-Acto** Ideal for light-duty hobby, craft and graphic arts projects.

**Includes** No. 1 knife w/two No. 11 & 1 ea. No.'s 10, 16, 17 blades.

Stk.	Mfr.	Price
<b>477670</b>	X5211	<b>\$5.83</b>



### Double Knife Set

**X-Acto** Suitable for a variety of light and medium-duty cutting tasks.

**Includes** No. 1 knife w/No. 11 blade, No. 2 knife w/No. 2 blade, No. 1 & No. 2 blade assortments & plastic case.

Stk.	Mfr.	Price
<b>477675</b>	X5262	<b>\$13.70</b>



### Basic Knife Set

**X-Acto** Versatile, 3-knife/13-blade set is ideal for lightweight precision cuts of wood, cardboard, paper, plastic, cloth and foam board.

**Includes** No. 1 knife w/No. 11 blade, No. 2 knife w/No. 2 blade, No. 5 knife w/No. 19 blade, 1 each of the following blades: No.'s 7, 10, 16, 17, 18, 19, 22 & 24, plus two No. 11 blades & wood case.

Stk.	Mfr.	Price
<b>477682</b>	X5082	<b>\$22.80</b>



### Standard Knife Set

**X-Acto** Good for general cutting and sawing of light to medium-weight material. 3-knife/17-blade set provides extensive cutting and sawing capabilities.

**Includes** No. 1 knife w/No. 11 blade, No. 2 knife w/No. 2 blade, No. 6 knife w/No. 24 blade, 1 each of No.'s 7, 10, 13, 16, 17, 18, 19, 22, 24 & 27 blades, plus two each of No. 11 & No. 26 blades & wood case.

Stk.	Mfr.	Price
<b>477683</b>	X5083	<b>\$33.40</b>



### Precision Hobby Knife Set

**General** Ergonomic design reduces user fatigue and enables more precise, more powerful cuts on a myriad of materials from paper, cardboard and wood to plastics, leather, sheeting and more.

**Includes** medium-duty precision knife handle, heavy-duty knife handle, 16 assorted interchangeable blades (3 #20

short bevel, 3 #23 long bevel, 3 #11 sharp angle, 4 #11 bevel angle, 3 #27 long angle) & storage case.

Stk.	Mfr.	Price
<b>419830</b>	95618	<b>\$14.70</b>



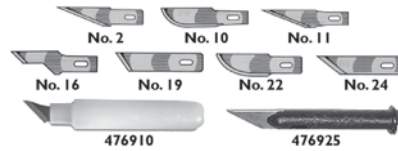
### Deluxe Craft Tool Set

**X-Acto**

**Includes** No. 1 knife w/No. 11 blade, No. 2 knife w/No. 2 blade, No. 5 knife w/No. 19 blade: 1 each of No.'s 7, 11, 13, 16, 17, 22, 24, 26 & 28 blades, jeweler's screwdriver, block plane, block sander, spoke shave, balsa stripper, 2 routers, 4

gouges, pin vise, 3 drill bits, coping saw w/blade & wood case.

Stk.	Mfr.	Price
<b>477688</b>	X5087	<b>\$73.60</b>



### Replacement Blades

**No. 2** For precision cutting of medium weight materials.

Stk.	Mfr.	Qty.	Price
<b>943323</b>	TE01-203	5	<b>\$1.55</b>

**No. 10** For cutting, light carving, slicing.

<b>476812</b>	X210	5	<b>\$4.42</b>
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**No. 11 Z-Series** Zirconium nitride coating adds strength to blade & tip.

<b>476816</b>	XZ211W	5	<b>\$3.82</b>
<b>476941</b>	XZ611	100	<b>\$39.90</b>

**No. 11 Techni Edge** High-carbon steel blades w/precision edges. Fits X-Acto & American Safety Razor No. 1 handles.

<b>943190</b>	TE01-113	5	<b>\$1.85</b>
<b>943191</b>	TE01-111	100	<b>\$17.20</b>

**No. 16** For stenciling, etching & scoring. Use on printed circuit boards.

<b>476820</b>	X216	5	<b>\$2.81</b>
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**No. 19** For light chiseling, rough shaping deburring & trimming.

<b>476823</b>	X219	5	<b>\$3.24</b>
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**No. 22** For long, heavy-pressure cuts & initial shaping in woodworking, whittling, carving, trimming & slicing.

<b>476829</b>	X222	5	<b>\$5.04</b>
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**No. 24** For close corner cuts on templates & mats. For deburring, stripping & gasket cutting.

<b>476830</b>	X224	5	<b>\$2.81</b>
<b>476946</b>	X624	100	<b>\$39.60</b>

**Craft Swivel Blades** Blade is designed to rotate 360° for easy cutting of curves & circles in lightweight materials.

<b>476910</b>	X245	2	<b>\$3.77</b>
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**X-Calibre RT Knife Blades** For fine detail cutting, trimming paperwork & stenciling. Stainless steel resists corrosion.

<b>476925</b>	X295	5	<b>\$8.52</b>
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**No. 1 Assortment** For cutting, scoring & chiseling. Use on paper, balsa & cardboard. Contains No.'s 10, 16, 17 & two No. 11 blades.

<b>476891</b>	X231	5	<b>\$3.12</b>
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### Single Edge Razor Blades

**Master Mechanic** Fits all standard razor blade tools. Made of high-carbon surgical steel. Each blade is protected in shelling paper.

Stk.	Mfr.	Qty.	Price
<b>943279</b>	741330	10	<b>\$2.21</b>
<b>942846</b>	521013	100	<b>\$8.55</b>

## RAZOR SAWS & MITER BOXES



### Ultra Thin Razor Saws

**Zona** Ultra-thin blade for super fine cuts in wood, soft metals and plastic without splitting or ragged edges. Shorter cutting depth and steel back for blade stability.

Stk.	Mfr.	Blade	TPI	Thickness	Price
<b>613841</b>	35-150	4-1/2"	42	.008"	<b>\$7.70</b>
<b>613839</b>	35-050	4-1/2"	52	.008"	<b>\$8.27</b>

Proudly serving Educators with Top Name Brand Tools & Outstanding Customer Service for over 100 years!



**Razor Saw & Aluminum Miter Box Set**

**Zona** Great for model and miniature making. Use for smooth, extra-fine cuts in balsa and other wood, plastic, copper or brass.

Stk.	Mfr.	Item	Blade	TPI	Thickness	Price
613842	35-550	Saw	6-1/2"	42	.010"	\$8.80
613846	37-240	Miter Box				\$19.10
613843	35-241	Saw & Miter Box				\$24.00



**Flexible Blade Razor Saw**

**Zona** Slice through dowels, pegs and plugs that are cut off flush without marring work surface. Flexible blade saw teeth have no set. Cuts on the pull stroke and can be used for cutting through tenons and excess trim in joinery and in hard-to-reach spots.

Stk.	Mfr.	Blade	TPI	Price
613845	35-400	6-1/2"	16	\$12.90

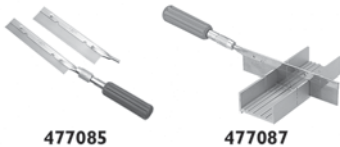


**4-in-1 Razor Saw Set**

**Zona** Four interchangeable blade set is great for modelers and craft makers for fine cutting of soft and hard wood, soft metals, plastics, brass and copper without splitting or ragged edges. Saws have shorter cutting depth plus steel backs for greater blade stability.

- Razor Saw 5-1/2" blade, 32 TPI, .010" T
- Razor Saw 4-1/2" blade, 52 TPI, .008" T
- Saber Saw 4-1/2" blade, 24 TPI, .022" T
- Keyhole (push) 2-1/4" blade, 24 TPI, .022" T

Stk.	Mfr.	Price
613840	35-140	\$12.70



**Precision Razor Saw X-Acto**

**3-Piece Set** For delicate sawing of models and railroad tracks. Use on metal, balsa wood and plastic. **Includes** No. 5 knife handle & No. 234 & No. 235 razor saw blades.

Stk.	Mfr.	Price
477085	X75300	\$10.90

**Saw & Miter Box** Perfect for cutting molding, trim and model parts accurately. Slotted sides guide saw for accurate miter joints. Grooved base holds wood and other materials in place when sawing. 52 TPI.

477087	X75320	\$18.70
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**Miter Box Only** Perfect for cutting molding, trim and model parts accurately. Slotted sides guide saw for accurate miter joints. Grooved base holds wood and other materials in place when sawing.

477088	X75330	\$11.70
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**No. 235 Replacement Blades** For medium depth cuts of balsa wood, railroad tracks, tubing, plastic, rubber & foam. 1" deep cuts. 4-1/2"L, 40 TPI.

476896	X235	\$4.11
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**No. 239 Replacement Blades** For delicate sawing in confined areas of balsa wood, fiberglass, plastic & railroad tracks. 1-1/4" deep cuts. 5-1/2"L, 52 TPI.

476899	X239	\$4.54
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**Easy Miter Box w/Saw**



**Midwest Products** Keep cutting material firmly in place with 3 unique cam clamps and work bench lip. Easily cut material up to 2" wide and 1/2" thick at 45°, 22-1/2°, 30° and 60° angles.

Stk.	Mfr.	TPI	Price
536322	1136	32	\$13.50

**STAINED GLASS & WOOD BURNING IRONS**

**Versatip Plus Woodburning Iron**



**Dremel** Multipurpose, easy-use tool for wood-burning, leather crafting, stencil cutting, soldering, hot knife cutting of Styrofoam® and plastics, also for cutting and fusing rope. Finger-grooved handle with protective heat shield for cool comfort and control. Short shaft length provides excellent tip control. Double-insulated. UL listed.

Max. tip temperature 1,050° F. Heating element (30 watts) 110-120V. Tool size 7-3/8"L. Tool weight 2-1/2 oz.

**Includes** 5 interchangeable tips (470, 471, 473, 474 & 499), plastic vial for tip storage & tool stand.

Stk.	Mfr.	Price
343485	1550	\$28.00

**15-Piece Woodburning Iron Kit**



**Weller** Short barrel, lightweight 25-watt iron allows close tip-to-grip distance for maximum control. Use specialized screw-mount tips for candle sculpting, and when adding accents to picture frames, leather, wicker, fabric and more. Hot knife tip easily slices foam, rope and other soft rigid materials. 7-yr. mfr.'s warranty. UL listed.

**Includes** iron stand, 11 tips (6 woodburning i.e. universal, dot, groove, calligraphy, stencil cutting & shading; 3 branding, hot knife tip w/chuck & pattern transfer), project manual, 25 sample patterns, 56" cord & molded case w/ hang hole.

Stk.	Mfr.	Price
309877	WSB25WB	\$29.60

**Featherweight Iron**



**Weller** Quality mini iron with pencil handle. Ideal for woodburning, hobbies, crafts, jewelry, model railroads and micro electronics. Stainless steel barrel, heat and impact resistant handle. UL listed.

Max. tip temperature 750°F. Heating element 25 watts, 110V. Tool size 7"L. Tool weight 4 oz.

**Includes** 6 soldering tips (1 ea. universal tip, groove tip, calligraphy tip, shading tip, dot tip & conical tip), plus 4' cord.

Stk.	Mfr.	Price
309874	WSB25HK	\$21.00

**Stained Glass Iron**

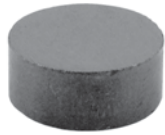


**Weller** A simple, safe iron for students to use on stained glass work. 80W.

**Includes** 2 pre-tinned (1/4" & 3/8") tips & soldering iron rest.

Stk.	Mfr.	Price
309766	SPG80L	\$53.00

## MAGNETS



### Ceramic Disc Magnet Set

**Master Magnetics** Also known as ferrite magnets, these powerful discs are made from the highest grade ceramic material available giving them unbeatable pull strength. Ideal for crafters and teachers. Attach to photo frames, calendars, schedules and more. Display on ferrous metal surfaces.

Stk.	Mfr.	Size	Qty./Pkg.	Price
943193	07003	3/4" dia. x 3/16"T	8	\$2.61



### Neodymium Disc Magnet Set

**Master Magnetics** Powerhouse magnetic discs are small, but great for projects that require extreme strength. Magnets can chip if dropped.

Stk.	Mfr.	Size	Qty./Pkg.	Price
943194	07046	.472" dia. x 0.118"T each	6	\$10.50
943195	07047	.709" dia. x 0.118"T each	3	\$10.50

## MARKERS & PENCILS



### Marks-A-Lot Permanent Marker

**Avery** Regular chisel tip marker writes on almost any surface including cardboard, metal and plastic. Works well indoors or out. Durable chisel tip writes in a variety of line widths. Rich, dark low-odor ink is quick drying, nontoxic, water and rub resistant.

**ACMI certified (conforms to ASTM D 4236).**

Stk.	Mfr.	Tip	Color	Qty.	Price
942675	17888	Chisel	Black	1	\$1.60



### Sharpie® Markers

**Sharpie** Quick-drying, permanent markers for the most hard-to-mark surfaces. Fade and water resistant. Nontoxic.

#### Original

Stk.	Mfr.	Tip	Color	Qty.	Price
452770	30101PP	Fine	Black	1	\$1.43
452771	30102PP	Fine	Red	1	\$1.43
452772	30103PP	Fine	Blue	1	\$1.43

**Metallic** Oil-based paint w/a glossy finish for any color background. For glass, metal, wood, rubber, stone, plastic, paper, vinyl, felt, canvas & more.

452774	39108PP	Fine	Silver	2	\$3.85
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**Chisel** Wide tip for marking thick & thin lines.

452775	38262PP	Fine/ Broad	Black	2	\$4.01
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**Ultra Fine Point**

452780	SN37001	Ultra Fine	Black	1	\$2.10
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### Uni-Paint Marker Set

**Sharpie** Six vivid, opaque oil-based paint markers ideal for painting or personalizing on glass, metal, wood, rubber, stone, plastic, paper, vinyl, leather, canvas and more. Fade, water and abrasion resistant. Medium bullet point. AP-certified nontoxic.

**Includes** red, yellow, green, blue, black & white.

Stk.	Mfr.	Price
452769	63630	\$20.20



### Crayola Classic Colors Marker Set

**Crayola** Broad-tip markers in 8 primary colors. Special ink easily washes from skin and clothing.

Stk.	Mfr.	Price
942691	58-7808	\$6.92



### Silly Scent™ Super-tip Markers

**Crayola** Versatile-tip markers in 20 pretty colors. Use fine tip at top for detail, and broad side for coloring. Each marker is uniquely scented. Won't smear on the page. Special ink easily washes from skin and clothing.

**Includes** plastic pouch.

Stk.	Mfr.	Price
943251	58-8106	\$7.35



### Prismacolor® Premier Colored Pencils

**Sanford** Thick, soft leads made with permanent pigments are smooth, slow wearing, blend-able, water-resistant and light-fast.

**12-Color Set Includes** crimson red, orange, canary yellow, grass green, apple green, true blue, violet, violet blue, sienna brown, dark brown, black, white & tin case.

Stk.	Mfr.	Price
196000	PC952	\$21.00

**24-Color Set Includes** crimson red, poppy red, tuscan red, pink, peach, orange, spanish orange, goldenrod, canary yellow, dark green, grass green, true green, apple green, indigo blue, cerulean blue, true blue, mulberry, violet, violet blue, perma violet, sienna brown, dark brown, black, white & tin case.

Stk.	Mfr.	Price
196001	PC953	\$39.70

## PAINT & BRUSH SETS



### Brush Assortment

**Linzer** Camel hair brushes with metal ferrules and plastic handles. Use for models, watercolors, hobbies and crafts.

**Includes** 24 of each #1, #2, #3, #4, #5 & #6.

Stk.	Mfr.	Price
942805	A9000	\$22.10



### Brush Set

**Linzer** Pony hair brushes with metal ferrules and plastic handles.

**Includes** 2 ea. of #'s 1, 2, 3, 4, 5 & 6.

Stk.	Mfr.	Price
504000	A9018	\$2.34

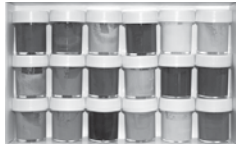
Place your order on-line!  
[www.midwesttechnology.com](http://www.midwesttechnology.com)



**Craft Sticks**

**Crafts Etc.** Great for stirring, mixing and building all types of craft projects. 3/8" x 4-3/8". 1,000/pkg.

Stk.	Mfr.	Price
<b>132300</b>	0500462	<b>\$9.48</b>



**Acrylic Craft Paint**

**Deep Flex** Get creamy-smooth brushability and maximum coverage with these paints that are nontoxic, water-based, fast-drying and permanent. Use them on wood, plaster, bisque, clay, plastic, foam, canvas, paper, paper mache and most porous surfaces.

Stk.	Mfr.	Size	Colors	Price
<b>478232</b>	740094	1/2 oz. ea.	18	<b>\$29.60</b>



**Acrylic Paint Sets**

**Sargent Art** Opaque acrylic paints are nontoxic, water-based, relatively fast-drying and permanent. For use on wood, plaster, bisque

and clay (*not a glaze for firing*), paper, paper mache, foam and canvas.

**Premier Set Includes** yellow, blue, green, red, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>196218</b>	665420	3/4 oz. each	6	<b>\$6.15</b>

**Primary Set Includes** peach, violet, orange, brown, turquoise & magenta, yellow, blue, green, red, black, white.

<b>196219</b>	665421	3/4 oz. each	12	<b>\$11.30</b>
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**Poster Paint Sets**

**Sargent Art** Opaque and water soluble poster paints.

**Premium Set 3/4 oz. ea. Includes** yellow, blue, green, red, black, white, violet, gold, orange, brown, turquoise & silver.

Stk.	Mfr.	Price
<b>196103</b>	665514	<b>\$9.30</b>

**Primary Set 3/4 oz. ea. Includes** yellow, blue, green, red, black & white.

<b>196102</b>	665412	<b>\$4.54</b>
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**AIRBRUSH SETS**



**Air-Opaque™ Paint**

**Badger** For students wanting vibrant color with consistent results. Formulated for air brushes, technical pens and paint brushes on paper, illustration board and canvas, plus wood

and Styrofoam® models. Ready-to-use paints are quick drying, water resistant, pre-reduced, colorfast, water-based, nontoxic, nonflammable, noncarcinogenic. Mix paints for more colors.

**Primary Set Includes** crimson, yellow, blue, green, brown, black, white.

Stk.	Mfr.	Size	Colors	Price
<b>222359</b>	701	1 oz.	7	<b>\$24.30</b>

**Secondary Set Includes** scarlet, magenta, orange, violet, indigo, aqua, turquoise.

<b>222360</b>	702	1 oz.	7	<b>\$24.30</b>
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**Model 350 Airbrush Set**

**Badger** Single-action, bottom-feed, external mix airbrush is great for stippling and spraying broader areas. Sprays high-viscosity materials such as ceramic glasses and stains and hobby enamels. Made of high-impact nylon, resistant to solvents and paint chemicals.

**Includes** 3 sizes of fluid tips & needle assemblies, 3/4 oz. jar, 2 oz. jar w/cover, 8' braided air hose, 1/4" pipe thread fitting, wrench & manual.

Stk.	Mfr.	Price
<b>222355</b>	350-4	<b>\$104.00</b>



**Crescendo™ Airbrush Set**

**Badger** A durable, versatile airbrush that works continuously without breakdown. Spray regulators and tips change easily for greater diversity. Sprays properly reduced acrylics, acrylic enamels and lacquers, gouaches, fabric colors, inks, dyes, ceramic colors and glazes, watercolor, Air-Opaque™, Air-TeX™ and ACCU-flex™ colors.

- Bottom-feed, dual action, internal mix
- 1-piece, no-slip angled trigger for durability & comfort
- Snap-off handle for quick needle changes & cleaning
- Adaptable to 3 head sizes: fine, medium & large

**Includes** airbrush w/3 tips, spray regulators & needles (*fine, medium & large*), 8' braided air hose, 3/4 oz. jar w/jar adapter, two 2 oz. paint jars, 1/4 oz. metal color cup, 2 trigger pads, airbrush hanger & protective cap.

Stk.	Mfr.	Price
<b>222352</b>	175-7	<b>\$153.00</b>



**Model 360 Universal Airbrush**

**Badger** The only airbrush capable of performing in a gravity-feed as well as a bottom-feed mode.

- 360° front end rotation allows for either gravity or bottom feed usage
- Single nozzle/needle sprays from pencil-thin lines to 3" pattern

- Sprays all materials from acrylics to watercolors, inks to lacquers, Air-Opaque™, Air-TeX™ & MODELflex™ airbrush paints
- Finger-tight assembly tolerances
- Balance system corrects weight apportionment
- Trigger cushion is ultra comfortable & ergonomically correct
- Lifetime mfr.'s warranty on labor & Teflon seals

**Includes** all-purpose nozzle/needle, attachable jar, additional jar w/cover, trigger pad, protective cap & manual in plastic case.

Stk.	Mfr.	Price
<b>222357</b>	360-1	<b>\$193.00</b>



**Hobby Spray Gun Set**

**Badger** Basic set with everything needed to start working with spray gun. Perfect for jobs requiring a simple but effective spray. Step-by-step hobby guide is filled with helpful sections such as preparation for painting, camouflage, weathering and more.

**Includes** attachable 3/4 oz. jar, 6' air hose, propel regulator & can, 3/4 oz. mixing jar w/cover, 3 MODELflex™ colors, mixing pipette, manual & case.

Stk.	Mfr.	Price
<b>222354</b>	250-7	<b>\$72.20</b>



### Anthem Airbrush Set

**Badger** User-friendly airbrush is versatile and comfortable. The thinner dia. needle and cone-shaped paint tip enable a single needle/tip configuration to spray virtually any desired material,

eliminating the need for fine, medium or large needle/tip variations. Also enables novice airbrush user to create and maintain the finest of lines with ease, yet meets the most exacting standards of accomplished users.

**Includes** airbrush w/protective cap, 8' braided air hose, 3/4 oz. jar w/jar adapter, 3/4 oz. jar w/cap, one 2 oz. paint jar, 1/4 oz. color cup & labeled box.

Stk.	Mfr.	Price
<b>222356</b>	155-7	<b>\$145.00</b>



### Single-Action Airbrush Set

**Paasche** Sturdy, flexible single-action airbrush for all skill levels. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, 1/4 oz. metal color cup, 1 oz. color bottle assembly w/cap/gasket, 2 color-adjusting parts, 2 air caps, 2 wrenches, hanger & 22 Airbrush Lessons booklet.

gasket, 2 color-adjusting parts, 2 air caps, 2 wrenches, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
<b>640330</b>	H-SET	<b>\$72.20</b>



### Complete Airbrush Outfit

**Speedy** A great setup for the beginning or more experienced hobbyist and crafts maker. Features a hobby compressor with toggle switch for ample, oil-free air delivery.

**Includes** hobby compressor, airbrush quick-release 1 oz. jar & medium material nozzle, extra 1 oz. & 2 oz. jars, 8' air hose & bleeder valve for use w/non-bleeder airbrushes.

Stk.	Mfr.	Item	Price
<b>279220</b>	HS430		<b>\$390.00</b>
<b>279320</b>	HS1520SM	Replacement Jars 3/pkg., 1 oz.	<b>\$14.70</b>

### Jar & Nozzle Assemblies

Stk.	Mfr.	Item	Price
<b>278985</b>	HS31	Fine	<b>\$31.50</b>
<b>278986</b>	HS32	Medium	<b>\$31.50</b>
<b>278987</b>	HS33	Heavy	<b>\$31.50</b>



### Double-Action Airbrush Set

**Paasche** Sturdy, flexible double-action airbrush can spray patterns from fine detail to broader coverage handling light, medium and heavy fluids. Suitable for hobby or artistic use. Airbrush with tapered socket secures bottle or cup. For R- and L-hand use.

**Includes** 6' air hose w/couplings, head-protecting cap, 1/4 oz. metal color cup, 1 oz. bottle assembly w/cap/gasket, 2 tips, 2 needles, 2 air caps, wrench, hanger & 22 Airbrush Lessons booklet.

Stk.	Mfr.	Price
<b>640331</b>	VL-SET	<b>\$94.30</b>

Please visit  
**midwesttechnology.com**  
for the complete specifications  
of the products listed on this page.



### Airstorm Air Compressor

**Badger** Lightweight, maintenance-free unit is excellent for moderate use. Features auto shut-off, hinged handle and 1/8" hose connection. ETL certified.

Air delivery (scfm) 0.81 @ 57 psi.  
Size 8-1/4"L x 5-1/2"W x 7-3/4"H. Weight 7.93 lbs.

**Includes** 6' cord w/3-pronged plug, on/off switch, 4 suction-cup feet & 1/8" to 1/4" hose adapter.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
<b>222365</b>	180-15	110	1/6	57 psi	<b>\$209.00</b>



### D500 Air Compressor

**Paasche** Economical, lightweight compressor works with all airbrushes spraying properly thinned fluids. Oil-free unit delivers 20-40 psi.

Air delivery (scfm) 0.4 @ 20 psi.  
Size 14"L x 6"W x 8"H. Weight 12 lbs.

**Includes** 6' cord w/3-pronged plug & 4 suction-cup feet.

Stk.	Mfr.	Volts	HP	Max. Pressure	Price
<b>640332</b>	D500	115	1/8	40 psi	<b>\$113.00</b>



### DC600R Airbrush Compressor

**Paasche** Tank mounted compressor contained in a metal enclosure with carrying handle. Compressor shuts off when airbrush is not in use. Operating pressure 20 to 35 PSI with max pressure up to 65 PSI depending on airbrush being used.

- Protective case w/2 airbrush holders

- 1 gallon tank for pulsation free airbrushing
- Regulator & moisture trap
- Oil free piston type
- Thermal protected
- Noise level 50db

Size 16"L x 6.5"W x 16"H. Weight 24 lbs.

**Includes** R-75 regulator & moisture trap.

Stk.	Mfr.	Volts	HP	Max. Pressure	Tank Capacity	Price
<b>640335</b>	DC600R	115	1/6	65 psi	1 gal.	<b>\$273.00</b>



### Portable Air Compressor

**Campbell Hausfeld** For inflation, brad nailing, stapling and airbrushing. 1 gal. tank eliminates the pulsations caused by piston action. Conveniently placed, easy-read gauge for easy monitoring of air pressure. Sturdy handle allows handy transport and storage.

Air delivery (scfm) 0.51 @ 40 psi & 0.39 @ 90 psi.

Size 11.8"L x 11.8"W x 12.7"H. Weight 16 lbs.

**Includes** 2 inflation nozzles, needle & adapter, air chuck & 25' recoil hose.

Stk.	Mfr.	Volts	Max. Pressure	Tank Capacity	Price
<b>291141</b>	FP2028	120	100 psi	1 gal.	<b>\$133.00</b>

**CAN'T FIND IT?**  
Call us at 800-831-5904.

### Airbrush DVD

#### Badger

Stk.	Mfr.	Title	Length	Price
<b>222364</b>	BD-103	Airbrush Techniques	66 min.	<b>\$25.90</b>

### Automotive DVDs

#### Shopware

Stk.	Mfr.	Title	Length	Price
<b>794702</b>	32784-DVD	Braking System Repair	18 min.	<b>\$89.10</b>
<b>794703</b>	32783-DVD	Electrical Repairs	20 min.	<b>\$89.10</b>
<b>794705</b>	32786-DVD	Miscellaneous Repairs	19 min.	<b>\$89.10</b>

#### Braking Systems Series

<b>794484</b>	44880-DVD	Brake Fundamentals	33 min.	<b>\$99.00</b>
<b>794487</b>	44881-DVD	Master Cylinders & Valves	29 min.	<b>\$99.00</b>
<b>794488</b>	44882-DVD	Disc & Drum Brakes	22 min.	<b>\$99.00</b>
<b>794483</b>	44879-DVD	3-DVD Series (listed above)		<b>\$297.00</b>

#### Hybrid Series

<b>794716</b>	35526-DVD	History of Hybrids	15 min.	<b>\$69.30</b>
<b>794717</b>	35527-DVD	Hybrid Components	16 min.	<b>\$69.30</b>
<b>794718</b>	35528-DVD	Hybrid Safety Issues	18 min.	<b>\$69.30</b>
<b>794719</b>	35525-DVD	3-DVD Series (listed above)		<b>\$208.00</b>

#### Computer System Series

<b>794720</b>	25078-DVD	Computer System Service	21 min.	<b>\$89.10</b>
<b>794721</b>	25076-DVD	Computer On-board Diag.	14 min.	<b>\$89.10</b>
<b>794722</b>	24744-DVD	Computer System Operation	30 min.	<b>\$89.10</b>
<b>794723</b>	26253-DVD	Scanning Auto. Computer Prob.	30 min.	<b>\$89.10</b>
<b>794724</b>	24743-DVD	4-DVD Series (listed above)		<b>\$357.00</b>

#### Engine Performance Series

<b>794497</b>	44876-DVD	Eng. Diag. Intake, Exhaust & Em.	34 min.	<b>\$99.00</b>
<b>794498</b>	44877-DVD	Ignition Systems & Fuel Systems	32 min.	<b>\$99.00</b>
<b>794499</b>	44878-DVD	Computer Systems & Sensors	25 min.	<b>\$99.00</b>
<b>794496</b>	44875-DVD	3-DVD Series (listed above)		<b>\$297.00</b>

### Automotive Software

#### Optimum

Stk.	Mfr.	Title	Operating System	Price
<b>613950</b>	52100DD	Car Builder	Win/Mac	<b>\$79.80</b>
<b>613954</b>	52200DD	Truck Builder	Win/Mac	<b>\$79.80</b>

### Bridge Building Book

#### ABS

Stk.	Mfr.	Title	Pages	Price
<b>957886</b>	740174	Building Toothpick Bridges	30	<b>\$52.70</b>

### Bridge Building DVDs

#### Shopware

Stk.	Mfr.	Title	Length	Price
<b>794442</b>	20351-DVD	Balsa Wood Model Bridges	19 min.	<b>\$79.20</b>
<b>794441</b>	20352-DVD	Model Bridges	23 min.	<b>\$79.20</b>
<b>794419</b>	23381-DVD	Spaghetti Model Bridges	13 min.	<b>\$79.20</b>

#### Midwest Products

<b>536345</b>	560	Build 'Em & Bust 'Em	12 min.	<b>\$15.30</b>
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### Bridge Builder Software

#### Pre-Engineering

Stk.	Mfr.	Title	Qty.	Price
<b>152344</b>	BB-SCWD	Bridgebuilder™	For 1 PC	<b>\$54.00</b>
<b>152346</b>	BB-SPWD	Bridgebuilder™	For 30 PCs	<b>\$192.00</b>

### CAD/CAM DVDs

#### Meridian

Stk.	Mfr.	Title	Length	Price
<b>534436</b>	26790-DVD	What is CAD?	19 min.	<b>\$89.10</b>
<b>534410</b>	25586-DVD	How is a CAD Drawing Done?	12 min.	<b>\$89.10</b>
<b>534341</b>	24696-DVD	An Overview of CAM	14 min.	<b>\$89.10</b>
<b>534430</b>	26713-DVD	3-DVD Series (listed above)		<b>\$268.00</b>

### Career Planning DVD

#### CEV

Stk.	Mfr.	Title	Length	Price
<b>125811</b>	CEVD199	Career: The Right Fit	31 min.	<b>\$82.50</b>

### CNC DVD

#### Meridian

Stk.	Mfr.	Title	Length	Price
<b>534343</b>	25074-DVD	Computer Numerical Control	20 min.	<b>\$99.00</b>

### Computers Technology DVDs

#### Meridian

Stk.	Mfr.	Title	Length	Price
<b>534409</b>	25583-DVD	How Computers Operate	25 min.	<b>\$99.00</b>
<b>534344</b>	25077-DVD	Computer Peripherals	25 min.	<b>\$99.00</b>
<b>534345</b>	25080-DVD	Computers At Work	25 min.	<b>\$99.00</b>
<b>534431</b>	26715-DVD	3-DVD Series (listed above)		<b>\$297.00</b>

### Concrete DVDs

#### CEV

Stk.	Mfr.	Title	Length	Price
<b>125838</b>	CEVD849	Part 1: Cement Comp. & Mix	36 min.	<b>\$93.50</b>
<b>125839</b>	CEVD850	Part 2: Const. Forms & Curing	32 min.	<b>\$93.50</b>
<b>125840</b>	CEVD851	Part 3: Tool Ident. & Finishing	33 min.	<b>\$93.50</b>

### Construction DVDs

#### CEV

Stk.	Mfr.	Title	Length	Price
<b>125816</b>	CEVD806	Foundation & Flooring	24 min.	<b>\$93.50</b>
<b>125817</b>	CEVD807	Framing	28 min.	<b>\$93.50</b>
<b>125818</b>	CEVD808	Ceiling Joists & Rafters	33 min.	<b>\$93.50</b>
<b>125819</b>	CEVD809	Roofing	37 min.	<b>\$93.50</b>
<b>125814</b>	CEVD803	Basic Stud Frame Construction	38 min.	<b>\$93.50</b>

#### Meridian

<b>534412</b>	25678-DVD	Intro. to Construction Technology	17 min.	<b>\$49.50</b>
<b>534422</b>	26120-DVD	Elmnts. Project Design & Site Prep.	17 min.	<b>\$49.50</b>
<b>534349</b>	25359-DVD	Erecting Sub & Superstructures	19 min.	<b>\$49.50</b>
<b>534411</b>	25661-DVD	Installing Utilities	20 min.	<b>\$49.50</b>
<b>534348</b>	25320-DVD	End. Finishing & Landscape Struct.	18 min.	<b>\$49.50</b>
<b>534350</b>	1638-DVD	How Levers Work	5 min.	<b>\$33.00</b>
<b>534351</b>	1640-DVD	How Gears Work	8 min.	<b>\$33.00</b>

#### Cambridge

<b>290060</b>	12006-DVD	Estimating Building Materials	26 min.	<b>\$79.20</b>
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### Dragster & Racers DVDs

Stk.	Mfr.	Title	Length	Price
<b>957898</b>	700196	Make a CO2 Dragster	10 min.	<b>\$25.90</b>
<b>536309</b>	563	Mousetrap Racing	15 min.	<b>\$15.30</b>

**Electrical DVDs**

<b>CEV</b>				
Stk.	Mfr.	Title	Length	Price
<b>125815</b>	CEVD805	Electrical Safety	33 min.	<b>\$105.00</b>
<b>Meridian</b>				
<b>534346</b>	35401-DVD	Electrical Troubleshooting	21 min.	<b>\$89.10</b>
<b>Shopware</b>				
<b>534382</b>	42035-DVD	Electrical Safety	23 min.	<b>\$99.00</b>
<b>794697</b>	32070-DVD	Res. Wiring, 8-DVD Series	16-21 mins. ea.	<b>\$792.00</b>

**Electronics DVDs**

<b>Shopware</b>				
Stk.	Mfr.	Title	Length	Price
<b>794511</b>	35395-DVD	Electronic Components Part 1	22 min.	<b>\$89.10</b>
<b>794531</b>	35396-DVD	Electronic Components Part 2	14 min.	<b>\$89.10</b>
<b>794533</b>	35397-DVD	Electronic Components Part 3	15 min.	<b>\$89.10</b>
<b>Meridian</b>				
<b>534347</b>	35402-DVD	Electronic Troubleshooting	22 min.	<b>\$89.10</b>

**Engineering Software**

**Pre-Engineering**

Stk.	Mfr.	Title	Qty.	Price
<b>152352</b>	MS-SCWD	ModelSmart™	For 1 PC	<b>\$64.80</b>
<b>152356</b>	MS-SPWD	ModelSmart™	For 30 PCs	<b>\$384.00</b>
<b>152360</b>	MS3D-SCWD	ModelSmart3D™	For 1 PC	<b>\$97.20</b>
<b>152362</b>	MS3D-SPWD	ModelSmart3D™	For 30 PCs	<b>\$480.00</b>

**Hand Tool DVDs**

<b>CEV</b>				
Stk.	Mfr.	Title	Length	Price
<b>125829</b>	CEVD823	Hand Tool ID & Terminology 1	20 min.	<b>\$53.90</b>
<b>125830</b>	CEVD824	Hand Tool ID & Terminology 2	20 min.	<b>\$53.90</b>
<b>125831</b>	CEVD825	Hand Tool ID & Terminology 3	22 min.	<b>\$53.90</b>
<b>Shopware</b>				
<b>794728</b>	37046-DVD	Inside the Carpenter's Toolbox	19 min.	<b>\$99.00</b>
<b>794726</b>	42220-DVD	Hand Tools for Woodworking	24 min.	<b>\$129.00</b>
<b>794446</b>	20325-DVD	Reading a Ruler: Eng. & Metric	18 min.	<b>\$79.20</b>

**HVAC DVDs**

<b>Shopware</b>				
Stk.	Mfr.	Title	Length	Price
<b>534438</b>	37245-DVD	Residential AC	21 min.	<b>\$99.00</b>
<b>534439</b>	37244-DVD	Residential Heating	24 min.	<b>\$99.00</b>
<b>534440</b>	37243-DVD	2-DVD Series (listed above)		<b>\$198.00</b>

**Hydraulics & Pneumatics DVDs**

<b>Meridian</b>				
Stk.	Mfr.	Title	Length	Price
<b>534415</b>	25690-DVD	Introduction to Fluid Power	19 min.	<b>\$99.00</b>
<b>534406</b>	25439-DVD	Fluid Power Tech. at Work	23 min.	<b>\$99.00</b>

**Laser Technology DVDs**

<b>Shopware</b>				
Stk.	Mfr.	Title	Length	Price
<b>794443</b>	20349-DVD	Fundamentals of Laser Technology	13 min.	<b>\$79.20</b>
<b>794444</b>	20348-DVD	Understanding Holograms	12 min.	<b>\$79.20</b>
<b>794445</b>	20347-DVD	Making Holograms: Altman Method	23 min.	<b>\$79.20</b>
<b>794471</b>	7983-DVD	Fiber Optics	13 min.	<b>\$79.20</b>
<b>794422</b>	20420-DVD	4-DVD Series (listed above)		<b>\$317.00</b>

**Manufacturing DVDs**

<b>Meridian</b>				
Stk.	Mfr.	Title	Length	Price
<b>534413</b>	25684-DVD	Intro to Manufacturing Technology	17 min.	<b>\$49.50</b>
<b>534418</b>	25826-DVD	Manufacturing Resources	17 min.	<b>\$49.50</b>
<b>534419</b>	25827-DVD	Manufacturing Systems	17 min.	<b>\$49.50</b>
<b>534417</b>	25825-DVD	Manufacturing Processes	15 min.	<b>\$49.50</b>
<b>534420</b>	25828-DVD	4-DVD Series (listed above)		<b>\$198.00</b>
<b>534421</b>	25836-DVD	Materials Handling	29 min.	<b>\$99.00</b>
<b>534339</b>	24639-DVD	Advanced Manufacturing	18 min.	<b>\$99.00</b>
<b>534342</b>	25072-DVD	Computer Integrated Mfg.	26 min.	<b>\$99.00</b>

**Math DVDs**

<b>Meridian</b>				
Stk.	Mfr.	Title	Length	Price
<b>534330</b>	25685-DVD	Introduction to Math Technology	11 min.	<b>\$79.20</b>
<b>534331</b>	25843-DVD	Math in Automotive Technology	11 min.	<b>\$79.20</b>
<b>534332</b>	25844-DVD	Math in Construction Technology	10 min.	<b>\$79.20</b>
<b>534333</b>	25845-DVD	Math in Electrical Technology	11 min.	<b>\$79.20</b>
<b>534334</b>	25378-DVD	4-DVD Series (listed above)		<b>\$317.00</b>

**Metalworking Book**

<b>Starrett</b>				
Stk.	Mfr.	Title	Pages	Price
<b>875590</b>	1700	Metalworking Safety	160	<b>\$23.30</b>

**Metalworking DVD**

<b>Shopware</b>				
Stk.	Mfr.	Title	Length	Price
<b>794699</b>	42039-DVD	Metalworking Safety	23 min.	<b>\$99.00</b>

**Plastics DVD**

<b>Meridian</b>				
Stk.	Mfr.	Title	Length	Price
<b>534414</b>	25688-DVD	Plastics Technology	19 min.	<b>\$99.00</b>

**Plumbing DVDs**

<b>CEV</b>				
Stk.	Mfr.	Title	Length	Price
<b>125833</b>	CEVD842	Plumbing Material & Tool ID	47 min.	<b>\$97.90</b>
<b>125837</b>	CEVD848	Basic Residential Plumbing System	38 min.	<b>\$97.90</b>
<b>125834</b>	CEVD843	Basic Plumb. 1: Plastic Pipe	40 min.	<b>\$97.90</b>
<b>125835</b>	CEVD844	Basic Plumb. 2: Copper Pipe	29 min.	<b>\$97.90</b>
<b>125836</b>	CEVD845	Bsc. Plmb. 3: Steel Pipe & Mat.	29 min.	<b>\$97.90</b>
<b>Shopware</b>				
<b>794727</b>	36100-DVD	Inside the Plumber's Tool Box	32 min.	<b>\$99.00</b>

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**Robotics Book**

**Questech**

Stk.	Mfr.	Title	Price
<b>684113</b>	90076	Curriculum for TeachMover	<b>\$230.00</b>

**Robots DVDs**

**Meridian**

Stk.	Mfr.	Title	Length	Price
<b>534427</b>	26231-DVD	An Important Place in Industry	11 min.	<b>\$89.10</b>
<b>534428</b>	26232-DVD	Designed to Meet Any Need	11 min.	<b>\$89.10</b>
<b>534426</b>	26230-DVD	Putting Them to Work	11 min.	<b>\$89.10</b>
<b>534432</b>	26718-DVD	3-DVD Series (listed above)		<b>\$268.00</b>
<b>534407</b>	25471-DVD	Fundamentals of Indust. Robotics	25 min.	<b>\$99.00</b>

**Shopware**

<b>794448</b>	8154-DVD	Automatic Guided Vehicle	10 min.	<b>\$69.30</b>
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**Rocketry & Flight DVDs**

**Shopware**

Stk.	Mfr.	Title	Length	Price
<b>794438</b>	20361-DVD	Model Rocketry	14 min.	<b>\$79.20</b>
<b>794449</b>	8153-DVD	The Space Shuttle	45 min.	<b>\$79.20</b>
<b>794447</b>	8279-DVD	Lighter Than Air Vehicles	56 min.	<b>\$79.20</b>
<b>794439</b>	20359-DVD	Principles of Flight Part 1	29 min.	<b>\$79.20</b>
<b>794440</b>	20358-DVD	Principles of Flight Part 2	29 min.	<b>\$79.20</b>

**Small Engine Books**

**Briggs & Stratton**

Stk.	Mfr.	Title	Pages	Price
<b>204340</b>	270962	'L' Head Repair	350	<b>\$19.60</b>
<b>203150</b>	272147	Single Cylinder OHV		<b>\$22.20</b>
<b>204350</b>	CE8020	Small Engine Textbook	300	<b>\$145.00</b>
<b>203165</b>	CE8155	Small Engine Repair		<b>\$70.00</b>

**Small Engine DVDs**

**CEV**

Stk.	Mfr.	Title	Length	Price
<b>125841</b>	CEVD880	Sm. Gas Engine Disassembly 1	39 min.	<b>\$109.00</b>
<b>125842</b>	CEVD881	Sm. Gas Engine Disassembly 2	43 min.	<b>\$109.00</b>
<b>125843</b>	CEVD882	Sm. Gas Engine Disassembly 3	31 min.	<b>\$109.00</b>
<b>125844</b>	CEVD883	Sm. Gas Engine Assembly 1	39 min.	<b>\$109.00</b>
<b>125845</b>	CEVD884	Sm. Gas Engine Assembly 2	27 min.	<b>\$109.00</b>
<b>125846</b>	CEVD885	Sm. Gas Engine Assembly 3	27 min.	<b>\$109.00</b>
<b>125849</b>	CEVD888	Sm. Engine Maint. Checkup	45 min.	<b>\$109.00</b>
<b>125850</b>	CEVD889	Sm. Engine Maint. Cleanup	35 min.	<b>\$109.00</b>
<b>125851</b>	CEVD890	Sm. Engine Maint. Repair	38 min.	<b>\$109.00</b>
<b>125847</b>	CEVD886	Sm. Engine Carburetor 1	33 min.	<b>\$109.00</b>
<b>125848</b>	CEVD887	Sm. Engine Carburetor 2	37 min.	<b>\$109.00</b>

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**Welding DVDs**

**CEV**

Stk.	Mfr.	Title	Length	Price
<b>125823</b>	CEVD813	Gas Tungsten Arc Welding	47 min.	<b>\$127.00</b>
<b>125824</b>	CEVD814	Oxy-Acetylene Weld. Safety & Intro	25 min.	<b>\$127.00</b>
<b>125827</b>	CEVD817	Acetylene Cylinder Safety	22 min.	<b>\$127.00</b>
<b>125826</b>	CEVD816	Oxy-Acetylene Cutting	40 min.	<b>\$127.00</b>
<b>125825</b>	CEVD815	Oxy-Acetylene Welding & Brazing	38 min.	<b>\$127.00</b>
<b>125832</b>	CEVD839	Introduction to Welding	28 min.	<b>\$127.00</b>
<b>125822</b>	CEVD812	Gas Metal Arc Welding	54 min.	<b>\$127.00</b>
<b>125820</b>	CEVD810	Shielded Stick Metal Arc Welding 1	45 min.	<b>\$127.00</b>
<b>125821</b>	CEVD811	Shielded Stick Metal Arc Welding 2	27 min.	<b>\$127.00</b>
<b>125828</b>	CEVD818	Shielded Stick Metal Arc Welding 3	27 min.	<b>\$127.00</b>

**Meridian**

<b>534434</b>	26785-DVD	Intro: Oxyfuel Welding	14 min.	<b>\$49.50</b>
<b>534435</b>	26786-DVD	Intro: Shielded Metal Arc Welding	12 min.	<b>\$49.50</b>
<b>534433</b>	26784-DVD	Intro: Gas Tungsten Arc Welding	11 min.	<b>\$49.50</b>
<b>534408</b>	25479-DVD	Intro: Gas Metal Arc/Flux Core Weld	11 min.	<b>\$49.50</b>

**Miller**

<b>566306</b>	196-567	TIG Welding Basics	80 min.	<b>\$72.00</b>
<b>566307</b>	196-568	MIG Welding Made Easy	70 min.	<b>\$72.00</b>

**Shopware**

<b>794667</b>	42036-DVD	Welding Safety	23 min.	<b>\$99.00</b>
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**Woodworking Books**

**Kreg**

Stk.	Mfr.	Title	Pages	Price
<b>793803</b>	MD-CAB01	Basic Cabinetmaking	40	<b>\$5.25</b>

**Woodstock**

<b>485972</b>	W1050	Dust Collection	57	<b>\$7.16</b>
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**Woodworking DVDs**

**Cambridge**

Stk.	Mfr.	Title	Length	Price
<b>290061</b>	14477-DVD	Woodworking Basics	32 min.	<b>\$198.00</b>

**CEV**

Stk.	Mfr.	Title	Length	Price
<b>125761</b>	CEVD0785	Lg. Power Tools II: Safety, Op., ID	80 min.	<b>\$105.00</b>
<b>125760</b>	CEVD0784	Lg. Power Tools I: Safety, Op., ID	27 min.	<b>\$105.00</b>
<b>125755</b>	CEV80780A	Safety & Operation of Tools	142 min.	<b>\$215.00</b>

**Shopware**

<b>794409</b>	35533-DVD	Band Saws & Scroll Saws	21 min.	<b>\$79.20</b>
<b>794417</b>	35542-DVD	Circular Saws	16 min.	<b>\$79.20</b>
<b>794408</b>	35531-DVD	Cut-off Saws (w/miter; c. miter)	21 min.	<b>\$79.20</b>
<b>794418</b>	35543-DVD	Jig Saws & Reciprocating Saws	16 min.	<b>\$79.20</b>
<b>794491</b>	35532-DVD	Radial Arm Saws	17 min.	<b>\$79.20</b>
<b>794407</b>	35530-DVD	Table Saws	22 min.	<b>\$79.20</b>
<b>794410</b>	35534-DVD	Routers	20 min.	<b>\$79.20</b>
<b>794411</b>	35535-DVD	Jointers	17 min.	<b>\$79.20</b>
<b>794412</b>	35536-DVD	Planers	14 min.	<b>\$79.20</b>
<b>794413</b>	35537-DVD	Lathes	14 min.	<b>\$79.20</b>
<b>794414</b>	35538-DVD	Nailers	16 min.	<b>\$79.20</b>
<b>794478</b>	35539-DVD	Drill Press	14 min.	<b>\$79.20</b>
<b>794415</b>	35540-DVD	Drills & Drivers	16 min.	<b>\$79.20</b>
<b>794416</b>	35541-DVD	Stationary Sanders	13 min.	<b>\$79.20</b>
<b>794482</b>	35544-DVD	Grinders & Sharpeners	12 min.	<b>\$79.20</b>
<b>794543</b>	35545-DVD	Building a Work Center	22 min.	<b>\$79.20</b>
<b>794486</b>	35529-DVD	16-DVD Series (listed above)		<b>\$1,267.00</b>
<b>794472</b>	42037-DVD	Woodworking Safety	19 min.	<b>\$99.00</b>
<b>534384</b>	41118-DVD	Safety: Avoid. Accident/Injury.	22 min.	<b>\$129.00</b>

**Kreg**

<b>793859</b>	V03-DVD	Pocket Hole Joinery	30 min.	<b>\$10.50</b>
<b>793910</b>	V10-DVD	Trim Carpentry	30 min.	<b>\$15.00</b>



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Carrier, Battery	Laser Guide	Rags	Continuity Tester
Cart	Chuck	Solvent	Contour Gauge
Book	Air	Sponge	Contractor's Saw
Clay, Mobile	Key	Station, Lens	Cookie, Rubber Pad
Computer	Keyless	Towelettes, Lens	Coping Saw & Blade
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Hand Truck, Two Wheeler	Circle	Clipboard Clip	Connector Plug
Hose Reel	Cutter	Clock Parts	Reel
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Plasma/LCD TV	Circuit Tester	Chamois	Cord,
Platform	Circuits Kit	Metalite	Bungee
Science	Circular Saw Guide	Tack	Extension
Service	Circular Saw,	Wiping	Lamp
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Caulk Gun	Storage	Cartridge	Screwdriver
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