

**Transportation & Communications  
Infrastructure Products**



HDPE

PVC

Handholes

FO Pullers

Repair

Multiauct

Underbridge

Accessories

Workzone



# Introduction

Since 1982, Osburn Associates, Inc. has been providing quality products to the construction industry. We are committed to supplying the best products at a fair price. Our customer service is second to none with a mission to make the customer feel welcomed and appreciated, while giving the best service possible. Your job becomes easier when you call our service professionals.

Decades of operation have taught us that attention to detail and quality is not only good for the customer but also is good economically for Osburn Associates. Raw materials are hand selected with quality as the foremost criteria. We are confident that you will find our products excellent and the materials used and distributed to be first class.



## PRICES

- Prices are subject to change without notice. Sales tax will be applied to orders without a sales Tax Exemption Number on file.

## PAYMENT TERMS

- Credit Card payments are accepted using VISA, Master Card, Discover, or American Express. Net 30 terms available to repeat customers who have filled out a credit application and approved by Osburn's in writing.

## FREIGHT

- Shipping & Handling charges will be added to all orders.

## RETURNS

- All sales are final. Merchandise may not be returned without prior approval from our customer service department. Goods returned without prior authorization will be rejected at the receiving dock. Please contact our customer service department at 800-523-8917 for consideration and an RMA issued.

## ERRORS

- Typographical errors will be corrected at time of order to include pricing and sizing.

## NOTE

- Custom sizing or finishing is available for most items, please call our customer service department for products not listed.

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**REELED / COILED HDPE UTILITY SERVICE CONDUIT**

The following table represents the specifications of ASTM F-2160 and NEMA TC-7 for O.D. controlled conduit sizes 1" - 6" that are available in reels or coils.

Sizes	Wall Thickness	Nominal O.D.	Nominal I.D.	Minimum In. Wall	Nominal lbs / ft	Standard Coil / Reel Lengths	Standard Trucks	Steel Reel Size FxTxD*
1"	SDR 9	1.315"	1.00"	.146"	0.23	500'	117000'	Coils
	SDR 11	1.315"	1.07"	.120"	0.20	5000'	80000'	70x38x30
	SDR 13.5	1.315"	1.12"	.097"	0.17	8000'	96000'	84x43x36
1 1/4"	SDR 9	1.660"	1.26"	.184"	0.37	500'	78000'	Coils
	SDR 11	1.660"	1.34"	.151"	0.31	2000'	32000'	70x28x30
	SDR 13.5	1.660"	1.39"	.123"	0.26	5000'	70000'	84x42x36
	SDR 15.5	1.660"	1.44"	.107"	0.23	8000'	96000'	96x45x36
1 1/2"	SDR 9	1.900"	1.45"	.211"	0.49	500'	36000'	Coils
	SDR 11	1.900"	1.53"	.173"	0.41	4000'	56000'	84x42x36
	SDR 13.5	1.900"	1.60"	.141"	0.34	6000'	72000'	96x45x36
2"	SDR 9	2.375"	1.81"	.264"	0.76	500'	24500'	Coils
	SDR 11	2.375"	1.91"	.216"	0.64	1000'	18000'	70x42x36
	SDR 13.5	2.375"	2.00"	.176"	0.53	2500'	35000'	84x42x36
	SDR 15.5	2.375"	2.04"	.153"	0.47	3000'	36000'	96x38x36
	SDR 17	2.375"	2.07"	.140"	0.43	4000'	48000'	96x45x36
2 1/2"	SDR 11	2.875"	2.32"	.261"	0.94	1500'	18000'	96x38x55
	SDR 13.5	2.875"	2.42"	.213"	0.78			
3"	SDR 11	3.500"	2.86"	.318"	1.39	500'	12000'	Coils
	SDR 13.5	3.500"	2.98"	.259"	1.15	1000'	12000'	96x45x70
	SDR 15.5	3.500"	3.04"	.226"	1.02	1250'	15000'	96x45x55
4"	SDR 9	4.500"	3.50"	.500"	2.77	500'	6000'	Coils
	SDR 11	4.500"	3.68"	.409"	2.29	550'	6600'	96x45x70
	SDR 13.5	4.500"	3.83"	.333"	1.90	750'	9000'	102x45x70
	SDR 15.5	4.500"	3.92"	.290"	1.68			
5"	SDR 11	5.563"	4.55"	.506"	3.50	500'	4000'	114x45x80
	SDR 13.5	5.563"	4.73"	.412"	2.91	500'		
6" **	SDR 11	6.625"	5.42"	.602"	4.97	450'	3600'	120x45x84
	SDR 13.5	6.625"	5.64"	.491"	4.13	450'		
4"	SIDR 11.5	4.768"	4.00"	.350"	2.11	550'	6600'	96x45x70

4" SDR 13.5 is available with ETL/UL rating for electrical projects. Be sure to ask our sales representative.

**HDPE LARGER- DIAMETER CONDUIT**

Larger- diameter conduit is available in 20-, 40- and 50- foot lengths in SDR 9, 11, 13.5, and 17.

These products meet ASTM F 21 60 specifications.

Sizes	SDR 9				SDR 11			SDR 13.5			SDR 17		
	Nom. O.D.	Min. Wall	Avg. I.D.	Weight (lbs./ft.)	Min. Wall	Avg. I.D.	Weight (lbs./ft.)	Min. Wall	Avg. I.D.	Weight (lbs./ft.)	Min. Wall	Avg. I.D.	Weight (lbs./ft.)
4"	4.500	0.500	3.44	2.74	0.409	3.63	2.29	0.333	3.79	1.91	0.265	3.93	1.54
5"	5.563	0.618	4.25	4.18	0.506	4.49	3.51	0.412	4.68	2.91	0.327	4.86	2.35
6"	6.625	0.736	5.06	5.93	0.602	5.34	4.97	0.491	5.58	4.13	0.390	5.79	3.34
8"	8.625	0.958	6.59	10.05	0.784	6.96	8.43	0.639	7.27	7.00	0.507	7.54	5.66
10"	10.750	1.194	8.21	15.62	0.977	8.67	13.09	0.796	9.06	10.88	0.632	9.40	8.79
12"	12.750	1.417	9.74	21.97	1.159	10.29	18.41	0.944	10.74	15.30	0.750	11.16	12.36
14"	14.000	1.556	10.70	26.49	1.273	11.30	22.20	1.037	11.80	18.45	0.824	12.25	14.90
16"	16.00	1.778	12.23	34.60	1.455	12.91	28.99	1.185	13.48	24.09	0.941	14.00	19.49
18"	18.00	2.000	13.76	43.79	1.636	14.53	36.70	1.333	15.17	30.49	1.059	15.75	24.64

**SCHEDULE 40 & SCHEDULE 80 HDPE CONDUIT**

Sizes	Wall Thickness	Nominal O.D.	Nominal I.D.	Minimum In. Wall	Nominal lbs / ft	Standard	Standard Trucks	Steel Reel
						Coil / Reel Lengths		Size FxTxD*
1"	SCH 40	1.315"	1.04"	.133"	0.22"	5000'	80000'	70x38x30
	SCH 80	1.315"	0.95"	.179"	0.28"	8000'	96000'	84x43x36
1 1/4"	SCH 40	1.660"	1.38"	.140"	0.29"	5000'	70000'	84x42x46
	SCH 80	1.660"	1.27"	.191"	0.39"	8000'	96000'	96x43x30
1 1/2"	SCH 40	1.900"	1.61"	.145"	0.35"	4000'	56000'	84x42x36
	SCH 80	1.900"	1.50"	.200"	0.47"	6000'	72000'	96x45x36
2"	SCH 40	2.375"	2.06"	.154"	0.47"	2500'	35000'	84x42x36
	SCH 80	2.375"	1.93"	.218"	0.64"	4000'	48000'	96x45x36
2 1/2"	SCH 40	2.875"	2.46"	.203"	0.75"	1500'	18000'	96x38x55
	SCH 80	2.875"	2.32"	.276"	0.99"			
3"	SCH 40	3.500"	3.06"	.216"	0.98"	1000'	12000'	96x38x55
	SCH 80	3.500"	2.90"	.300"	1.32"	1250'	15000'	96x45x55
4"	SCH 40	4.500"	4.02"	.237"	1.39"	20' & 40'	16240'	Sticks Only
	SCH 80	4.500"	3.82"	.337"	1.92"	550'	6600'	96x45x70
5"	SCH 40	5.563"	5.04"	.258"	1.89"	20' & 40'	12160'	Sticks Only
	SCH 80	5.563"	4.81"	.375"	2.69"			
6"	SCH 40	6.625"	6.03"	.280"	2.44"	20' & 40'	7280'	Sticks Only
	SCH 80	6.625"	5.70"	.432"	3.67"			
8"	SCH 40	8.625"	7.94"	.322"	3.68"	40' & 50'	4480'	Sticks Only
10"	SCH 40	10.75"	9.97"	.365"	5.21"	40' & 50'	2880'	Sticks Only
12"	SCH 40	12.75"	11.89"	.406"	6.90"	40' & 50'	2240'	Sticks Only

SCH 40/SCH 80 is available with ETL/UL rating for electrical projects. Be sure to ask our sales representative.

### MicroTechnology & FuturePath

MicroTechnology & FuturePath enables utility companies the ability for future expansion for those FTTx, Long-Haul, Back-Haul, and Metro projects. Dura-line developed this product with both the current and future costs in mind. FuturePath is available in multiple configurations, multiple colors and multiple sizes.

Give our customer service a call at 1-800-523-8917 to get additional information.



### PLENUM DUCT

Plenum Duct is a flexible, non-metallic, corrugated raceway used for effective cable and fiber optic management within interior raceways. It meets UL-(910) standards for the National Electrical Code, Article 770, and satisfies UL-2024 standards for low smoke and flame propagation.

Plenum is offered in 1", 1 1/4", and 1 1/2", with pre-installed pull tape for easy cable installation. The standard color is orange and is offered in a variety of other colors.

Sequential marked footage is standard. Custom options, such as multiple colors per reel and Slit Duct, are also available.



#### PLENUM REELS

1"	Orange	P-100T-500	1.049"	1.35"	900lb	36-36-21	500
1"	Orange	P-100T-1000	1.049"	1.35"	900lb	36-36-21	1000
1"	Orange	P-100T-2000	1.049"	1.35"	900lb	44-36-21	2000
1"	Orange	P-100T-2800	1.049"	1.35"	900lb	48-41-24	2800
1"	Orange	P-100T-5000	1.049"	1.35"	900lb	66-41-24	5000
1"	Orange	P-100T-6000	1.049"	1.35"	900lb	72-41-24	6000
1"	Orange	P-100T-9000	1.049"	1.35"	900lb	82-41-24	9000
1 1/4"	Orange	P-125T-700	1.25"	1.56"	900lb	36-36-21	700
1 1/4"	Orange	P-125T-1500	1.25"	1.56"	900lb	44-36-21	1500
1 1/4"	Orange	P-125T-1800	1.25"	1.56"	900lb	48-41-24	1800
1 1/4"	Orange	P-125T-3400	1.25"	1.56"	900lb	66-41-24	3400
1 1/4"	Orange	P-125T-4000	1.25"	1.56"	900lb	72-41-24	4000
1 1/4"	Orange	P-125T-6000	1.25"	1.56"	900lb	82-41-24	6000
1 1/2"	Orange	P-150T-500	1.57"	1.80"	900lb	36-36-21	500
1 1/2"	Orange	P-150T-700	1.57"	1.80"	900lb	44-36-21	700
1 1/2"	Orange	P-150T-1000	1.57"	1.80"	900lb	48-41-24	1000
1 1/2"	Orange	P-150T-2500	1.57"	1.80"	900lb	66-41-24	2500
1 1/2"	Orange	P-150T-3500	1.57"	1.80"	900lb	72-41-24	3500
1 1/2"	Orange	P-150T-5000	1.57"	1.80"	900lb	82-41-24	5000

2" available upon request.

### ALUMINUM THREADED COUPLING

Part #	Duct OD	Description
FO9006	1.315	Alum Cplg
FO9010	1.660	Alum Cplg
FO9013	1.900	Alum Cplg
FO9019	2.375	Alum Cplg



### POLY TO PVC ADAPTER

Part #	Description
FO9899	1" IPS POLY to 1" PVC
FO9999	1 1/4" IPS POLY to 1 1/4" PVC
FO9998	1 1/2" IPS POLY to 1 1/2" PVC
FO9900	2" IPS POLY to 2" PVC
FO9901	3" IPS POLY to 3" PVC
FO9902	4" IPS POLY to 4" PVC
FO9903	5" IPS POLY to 5" PVC
FO9904	6" IPS POLY to 6" PVC



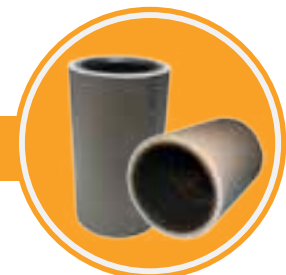
### COMFIT COUPLINGS

Part #	Duct OD
158566110	1.315
158566112	1.660
158566115	1.900
158566120	2.375



### E-LOC COUPLING

Part #	Description
EL131	1" IPS 1.315
EL166	1 1/4" IPS 1.66
EL190	1 1/2" IPS 1.900
EL237	2" IPS 2.375
EL350	3" IPS 3.500
EL400	4" IPS 4.500
EL500	5" IPS 5.563
EL600	6" IPS 6.625



**PVC TELEPHONE DUCT - 8546**



Type II (or Type C) is for direct burial.  
Conforms to Telephone Company 8546 Specifications. Standard 20 foot lengths plus belled end. Contact sales office for prices and delivery.

Part Number:	Type	Nom. Size	Outside Diameter Inches	Weight Lb. per 100 ft.
PTC75C	C	4"	4.35	145



**TELEPHONE BENDS**

**STANDARD & SPLIT TELEPHONE BENDS - 8546**



For use with both Type I (B) and Type II (C) telephone duct.

Part Number:	Nominal Size 3 1/2" Degrees	Radius (ft)	Approx. Overall Length (inches)	
1263	22 1/2	4	28	
1264	11 1/4	4	18 1/2	
1268	45	3	37	
1271	45	6	65	
1283	90	3	65 1/2	
1287	90	6	122	

Part Number:	Nominal Size 4" Degrees	Radius (ft)	Approx. Overall Length (inches)	Pallet Qty.
1295	5	4	13	200
1296	11 1/4	2	13 3/4	200
1298	11 1/4	3	16	200
1300	11 1/4	4	18 1/2	200
1304	22 1/2	2	18 1/2	150
1305	22 1/2	4	28	150
1306	22 1/2	3	23	150
1309	30	3	28	100
1310	30	6	47	100
1313	30	12	84	50
1316	30	15	103 1/4	50
1325	45	2	28	100
1328	45	3	37	100
1331	45	4	46 3/4	100
1334	45	6	65	100
1337	45	9	84	50
1139	45	2	27	100
1340	64	3	40	100
1341	64	12 1/2	167	50
1345	64	1 1/2	37	50
1348	90	2	47	50
1351	90	2 1/2	56	50
1354	90	3	65 1/2	50
1357	90	4	84 1/2	50
1360	90	6	122	50
1362*	90	9	179	25
1364**	90	12	236	15
1366**	90	15	291 3/4	15

\*Consists of two 45 bends - not assembled. \*\* Consists of three 30 bends - not assembled.  
Special radius available - contact sales office. For split bends add 'S' to part #. For type D bends add 'D' to part #.

## TELEPHONE FITTINGS

### BELL 'D' ADAPTOR - 8546

4" Telephone to cast iron

Part Number:	Nom. Size	Std. Pkg.
1150	4"	24



### PLASTIC TO FIBER OR A/C ADAPTOR - 8546

For joining PVC Tel. duct to tapered or saw cut fiber or asbestos/ cement.

Part Number:	Nom. Size	Std. Pkg.
1110	4" Tel x 4" Tap	24
1109	4" Tel x 4" SC	24
1112	3 1/2" Tel x 3 1/2" SC	24
1113	3 1/2" Tel x 3 1/2" Tap	24
1120	3 1/2" Tel x 4" Tap	24
	Tap-tapered SC-saw cut	



### FEMALE THREADED ADAPTOR - 8546

4" Telephone to cast iron

Part Number:	Nom. Size	Std. Pkg.
3030	3 1/2" x 3 1/2"	12
3032	4" x 4"	12



### INTERNAL JOINING COUPLING - 8546 (PLASTIC)

For joining PVC Tel. duct to other round conduit material.

Part Number:	Nom. Size	Std. Pkg.
3002	3 1/2" x 3 1/2" plastic	24
3004	4" x 4" plastic	24



## TELEPHONE FITTINGS

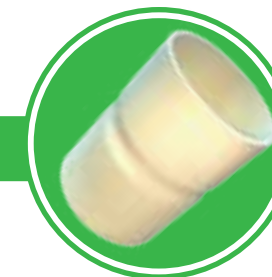
### END BELL ROUND- 8546 (FABRICATED)

Part Number:	Nom. Size	Std. Pkg.
1200M	3 1/2"	24
1203M	4"	24



### 5° ANGLE COUPLING - 8546

Part Number:	Nom. Size	Std. Pkg.
3017	4"	10



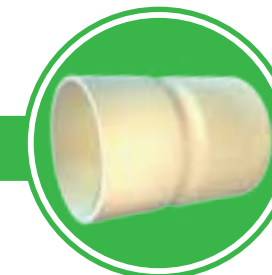
### SLEEVE COUPLING - 8546 (EXTERNAL)

Part Number:	Nom. Size	Std. Pkg.
1005	3 1/2"	48
1008	4"	48



### BELLED COUPLING - 8546 (WITH STOP)

Part Number:	Nom. Size	Std. Pkg.
1003	3 1/2"	48
1006	4"	48



## TELEPHONE FITTINGS

### SQUARE BORE ADAPTOR - 8546 (WITH FINGERS)

Part Number:	Nom. Size	Std. Pkg.
1125F	*3 1/4" X 3 1/2"	24
1127F	*3 1/2" X 3 1/2"	24
1128F	*3 3/4" X 4"	12
1130F	*3 1/4" X 4"	12
1132F	*3 1/2" X 4"	12
1131F	*3 3/4" X 5"	12
	*size of clay	

Available in 6", 8", 12", 18" and 24" lengths.

### END BELL SQUARE- 8546 (7" LENGTH)

Part Number:	Nom. Size	Std. Pkg.
1185	3 1/2"* x 3 1/2"	24
1188	4"* x 4"	24
1189	4 1/4"* x 4"	24
	*plug size	

### SQUARE BORE ADAPTOR - 8546

Square clay duct to PVC

Part Number:	Nom. Size	Std. Pkg.
1125	3 1/4"* x 3 1/2"	24
1127	3 1/2"* x 3 1/2"	24
1128	3 3/4"* x 4"	12
1130	3 1/4"* x 4"	12
1132	3 1/2"* x 4"	12
1131	3 3/4"* x 5"	12
	*size of clay	

Available in 6", 8", 12", 18", and 24" lengths.



## TELEPHONE FITTINGS

### ENLARGING COUPLING - 8546

For joining PVC Tel. duct to larger size Tel. duct or IPS utility duct.

Part Number:	Nom. Size	Std. Pkg.
1077	3" IPS X 4" Tel	24
1076	3 1/2" IPS x 4" Tel	24
1065	3 1/2" Tel x 4" Tel	24
1068	4" Tel x 5" IPS	24
1070	3 1/2" Tel x 3 1/2" IPS	24
1071	4" Tel x 4" IPS	24
1071/8	4" Tel x 4" IPS x 8" long	24
1072	3 1/2" Tel x 4" IPS	24
1075	2" IPS x 4" Tel	24
1060	5" IPS x 6" IPS	24

### 'G' COUPLING - 8546 (DOG LEG)

Part Number:	Nom. Size	Std. Pkg.
1010	4"	6

### WYE BRANCH - 8546 (MOLDED)

Part Number:	Nom. Size	Std. Pkg.
3026	4" solid C	6
3027	4" split C	6

See pg. X for fabricated wye branch.



**SCHEDULE 40 ELECTRICAL CONDUIT (90 C UL RATED)**

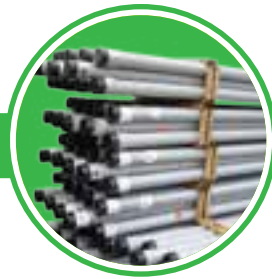


Rigid PVC Schedule 40 conduit is manufactured to NEMA TC-2 specifications and is UL 651 listed in accordance with Article 347 of the 1971 National Electric Code for underground and exposed use.

Part Number:	Nom Size	Average Outside Diameter	Maximum Inside Diameter	Minimum Wall Thickness	Average Weight Per 100 ft.
7100	1/2"	0.84	0.622	0.109	16.2
7101	3/4"	1.05	0.824	0.113	21.6
7102	1"	1.315	1.049	0.133	32
7103	1 1/4"	1.66	1.38	0.14	43.4
7104	1 1/2"	1.9	1.61	0.145	52
7105	2"	2.375	2.067	0.154	69.9
71055	2 1/2"	2.875	2.469	0.203	110.8
7106	3"	3.5	3.068	0.216	145
71065	3 1/2"	4	3.548	0.226	174.4
7107	4"	4.5	4.026	0.237	206.7
7108	5"	5.563	5.047	0.258	280.1
7109	6"	6.625	6.065	0.28	363.6
7150	8"	8.625	7.981	0.322	547.4

\*8" is not UL rated.

**BOREGARD**



Part Number:		Rack Qty:	Average Weight Per 100 ft.
BG 340SP-020	3" SCH 40 Boregard - 20' lg	700 ft.	164
BG 440SP-020	4" SCH 40 Boregard - 20' lg	520 ft.	234
BG 540SP-020	5" SCH 40 Boregard - 20' lg	460 ft.	317
BG 640SP-020	6" SCH 40 Boregard - 20' lg	400 ft.	418

20 ft. standard length --- 10 ft. available based on quantities.

**SPECIAL RADIUS ELBOWS - SCHEDULE 40 (Made from UL pipe)**

Nominal Diamer		Radius 18"		Radius 24"		Radius 30"		Radius 36"		Radius 48"	
		Part #	Length	Part #	Length	Part #	Length	Part #	Length	Part #	Length
1"	90°	1004345	34"	1004348	44"	1004351	53"	1004354	63"	1004357	81"
	45°	1004324	20"	1004325	25"	1004326	30"	1004328	34"	1004331	44"
	30°	1004308	15"	1004311	19"	1004314	22"	1004309	25"	1004317	31"
	22 1/2°	1004293	13"	1004304	15"	1004322	18"	1004306	20"	1004305	25"
1 1/4"	90°	1254345	34"	1254348	44"	1254351	53"	1254354	63"	1254357	81"
	45°	1254324	20"	1254325	25"	1254326	30"	1254328	34"	1254331	44"
	30°	1254308	15"	1254311	19"	1254314	22"	1254309	25"	1254317	31"
	22 1/2°	1254293	13"	1254304	15"	1254322	18"	1254306	20"	1254305	25"
1 1/2"	90°	1504345	34"	1504348	44"	1504351	53"	1504354	63"	1504357	81"
	45°	1504324	20"	1504325	25"	1504326	30"	1504328	34"	1504331	44"
	30°	1504308	15"	1504311	19"	1504314	22"	1504309	25"	1504317	31"
	22 1/2°	1504293	13"	1504304	15"	1504322	18"	1504306	20"	1504305	25"
2"	90°	2004345	34"	2004348	44"	2004351	53"	2004354	63"	2004357	81"
	45°	2004324	20"	2004325	25"	2004326	30"	2004328	34"	2004331	44"
	30°	2004308	15"	2004311	19"	2004314	22"	2004309	25"	2004317	31"
	22 1/2°	2004293	13"	2004304	15"	2004322	18"	2004306	20"	2004305	25"
2 1/2"	90°	2504345	34"	2504348	44"	2504351	53"	2504354	63"	2504357	81"
	45°	2504324	20"	2504325	25"	2504326	30"	2504328	34"	2504331	44"
	30°	2504308	15"	2504311	19"	2504314	22"	2504309	25"	2504317	31"
	22 1/2°	2504293	13"	2504304	15"	2504322	18"	2504306	20"	2504305	25"
3"	90°	3004345	34"	3004348	44"	3004351	53"	3004354	63"	3004357	81"
	45°	3004324	20"	3004325	25"	3004326	30"	3004328	34"	3004331	44"
	30°	3004308	15"	3004311	19"	3004314	22"	3004309	25"	3004317	31"
	22 1/2°	3004293	13"	3004304	15"	3004322	18"	3004306	20"	3004305	25"
3 1/2"	90°	3504345	34"	3504348	44"	3504351	53"	3504354	63"	3504357	81"
	45°	3504324	20"	3504325	25"	3504326	30"	3504328	34"	3504331	44"
	30°	3504308	15"	3504311	19"	3504314	22"	3504309	25"	3504317	31"
	22 1/2°	3504293	13"	3504304	15"	3504322	18"	3504306	20"	3504305	25"
4"	90°	4004345	34"	4004348	44"	4004351	53"	4004354	63"	4004357	81"
	45°	4004324	20"	4004325	25"	4004326	30"	4004328	34"	4004331	44"
	30°	4004308	15"	4004311	19"	4004314	22"	4004309	25"	4004317	31"
	22 1/2°	4004293	13"	4004304	15"	4004322	18"	4004306	20"	4004305	25"
5"	90°	5004345	34"	5004348	44"	5004351	53"	5004354	63"	5004357	81"
	45°	5004324	20"	5004325	25"	5004326	30"	5004328	34"	5004331	44"
	30°	5004308	15"	5004311	19"	5004314	22"	5004309	25"	5004317	31"
	22 1/2°	5004293	13"	5004304	15"	5004322	18"	5004306	20"	5004305	25"
6"	90°	6004345	34"	6004348	44"	6004351	53"	6004354	63"	6004357	81"
	45°	6004324	20"	6004325	25"	6004326	30"	6004328	34"	6004331	44"
	30°	6004308	15"	6004311	19"	6004314	22"	6004309	25"	6004317	31"
	22 1/2°	6004293	13"	6004304	15"	6004322	18"	6004306	20"	6004305	25"



## SCHEDULE 40 ACCESSORIES

### SCHEDULE 40 E BENDS

	Part #	Degree	Radius
E-90 bend (belled one end)	1554T	90°	36"



### DUCT TO RISER CAP

For transition from underground conduit to duct riser.

Part Number	Description
1574	2" to 4"
1575	3" to 4"
1576	4" to 4"



### PVC TRANSITION TO POLY

Part Number:	Description
1078IPS	4" SIDR 11.5 x 4.500" OD PVC Adaptor
1078SP	4" SIDR 11.5 x C-Duct" OD PVC Adaptor

Bends and fittings available. Please contact sales office.



## SCHEDULE 40 ACCESSORIES

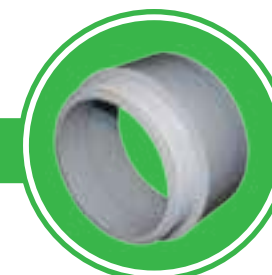
### FEMALE THREADED ADAPTOR

Part Number:	Nom. Size	Std. Pkg.
3028	2"	100
3024	3"	25
3031	4"	15
3025	5"	15
3029	6"	10



### TERMINAL MALE ADAPTOR

Part Number:	Nom. Size	Std. Pkg.
3030	2"	100
3037	3"	25
3033	4"	15
3035	5"	15
3038	6"	10



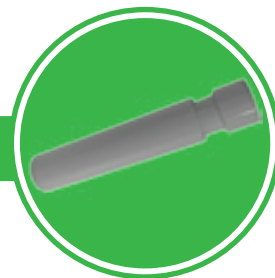
### WYE BRANCH - (FABRICATED)

Part Number:	Nom. Size	Std. Pkg.
3010	2" Sch. 40	6
3011	2 1/2" Sch. 40	6
3012	3" Sch. 40	6
3014	4" Sch. 40	6
3021	5" Sch. 40	6
3022	6" Sch. 40	6



See pg. X for molded wye branch.

**EXPANSION JOINT**



Part Number:	Duct Size	Duct Size
1228	1" Sch 40	12
1229	1 1/4" Sch 40	12
1230	1 1/2" Sch 40	12
123602	2" Sch 40	12
1237	2 1/2" Sch 40	12
12353	3" Sch 40	12
1234	3 1/2" Sch 40	12
1235	4" Tel	12
1236	4" Sch 40	12
12355	5" Sch 40	12
12356	6" Sch 40	12

**SCHEDULE 80 CONDUIT**



Part Number:	Nom Size	Average Outside Diameter	Maximum Inside Diameter	Minimum Wall Thickness	Average Weight Per 100 ft.
7110	1/2"	0.84	0.546	0.147	20
7111	3/4"	1.05	0.742	0.154	28
7112	1"	1.315	0.957	0.179	41
7113	1 1/4"	1.66	1.278	0.191	57
7114	1 1/2"	1.9	1.5	0.2	69
7115	2"	2.375	1.939	0.218	95
7116	3"	3.5	2.9	0.3	195
7117	4"	4.5	3.826	0.337	286
7118	5"	5.563	4.813	0.375	397
7119	6"	6.625	5.761	0.432	546

Schedule 40 bends & fittings can be substituted from schedule 40 section. Contact sales office for schedule 80 specific requirements.

**UTILITY CONDUIT (NEMA TC-6/TC-8/ASTM F512)**

**TC-6 Type DB (for direct burial) - 20' length, belled one end.**

Part #	Size	Average Outside Diameter	Minimum Wall Thickness	Approx. Weight per 100 ft.
7123	2"	2.375	0.06	0.337
7124	3"	3.5	0.092	0.734
7125	4"	4.5	0.121	1.218
7126	5"	5.563	0.152	1.846
7127	6"	6.625	0.182	2.634

**TC-6 Type EB (for encased burial)**

Part #	Size	Average Outside Diameter	Minimum Wall Thickness	Approx. Weight per 100 ft.
7128	2"	2.375	0.06	0.337
7129	3"	3.5	0.061	0.547
7130	4"	4.5	0.082	0.901
7131	5"	5.563	0.103	1.397
7132	6"	6.625	0.125	1.969

**TC-8 EB-35/ASTM F512 heavy wall**

Part #	Size	Average Outside Diameter	Minimum Wall Thickness	Approx. Weight per 100 ft.
7133	2"	2.375	0.06	37
7134	3"	3.5	0.076	68
7135	4"	4.5	0.1	109
7136	5"	5.563	0.126	166
7137	6"	6.625	0.152	235

**TC-8 DB-120/ASTM F512 heavy wall**

Part #	Size	Average Outside Diameter	Minimum Wall Thickness	Approx. Weight per 100 ft.
7139	1 1/2"	1.9	0.06	28
7140	2"	2.375	0.077	45
7141	3"	3.5	0.118	97
7142	4"	4.5	0.154	158
7143	5"	5.563	0.191	242
7144	6"	6.625	0.227	342

Call office for information on Utility Bends & Fittings.

## HANDHOLES

For use as a splice box, pull box, equipment enclosure or for any application requiring easy access to an underground service.

### HANDHOLE OPENING SIZES (Polymer Concrete Box & Cover)

Size (W x L)  
6" x 8"  
8" x 8"  
8" x 18"  
10" x 15"  
11" x 18"  
11" x 20"  
12" x 12"  
13" x 24"  
17" x 30"  
24" x 24"  
24" x 36"  
30" x 48"  
30" x 60"  
36" x 36"  
36" x 60"  
36" x 72"  
48" x 48"  
48" x 72"  
48" x 96"

Height  
12" - 48" available depending on box size. Call Customer service for more information.



*\*Available with knockouts, terminators, racking, pulling eyes, electronic markers, and with or without bottoms. Covers available in standard, heavy duty, and extra heavy duty.*

Application Tiers & Static Vertical Wheel Load Ratings per ANSI/SCTE 77 2007

"Specification for Underground Enclosure Integrity" \*products are not intended for use in deliberate traffic areas.

TIER 5' Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic.	Vertical	Design load Test load	22.2 kN 33.3 kN	5,000 lbs. 7,500 lbs.
	Lateral	Design load Test load	28.7 kPa 43.1 kPa	600 lbs. / sq. ft. 900 lbs. / sq. ft.
TIER 8' Sidewalk applications with a safety factor for non-deliberate vehicular traffic.	Vertical	Design load Test load	35.6 kN 53.4 kN	8,000 lbs. 12,000 lbs.
	Lateral	Design load Test load	28.7 kPa 43.1 kPa	600 lbs. / sq. ft. 900 lbs. / sq. ft.
TIER 15' Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic.	Vertical	Design load Test load	66.7 kN 100.1 kN	15,000 lbs. 22,500 lbs.
	Lateral	Design load Test load	38.3 kPa 57.5 kPa	800 lbs. / sq. ft. 1,200 lbs. / sq. ft.
TIER 22' Deliberate vehicular traffic applications.	Vertical	Design load Test load	100.1 kN 150.1 kN	22,500 lbs. 33,750 lbs.
	Lateral	Design load Test load	38.3 kPa 57.5 kPa	800 lbs. / sq. ft. 1,200 lbs. / sq. ft.
AASHTO H-20 Deliberate vehicular traffic applications.	Certified precast concrete, cast iron or other AASHTO recognized materials* *There are no AASHTO design or test provisions for polymer composites. Therefore there is no recognized method of testing for qualification. Applying other material testing methods to polymer composites is not recognized by AASHTO. BUYER BEWARE!			

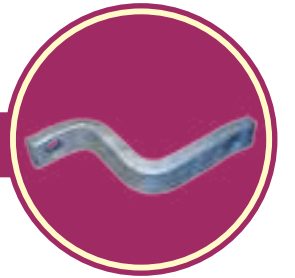
\*\*\*NOTE: Fiberglass and plastic handholes available upon request.

## CABLE RACK SUPPORTS

Used to extend racks away from wall to avoid obstructions or seepage. Two supports are required for each rack installation.

Part # 3632 Steel Size .5 x 1.00"

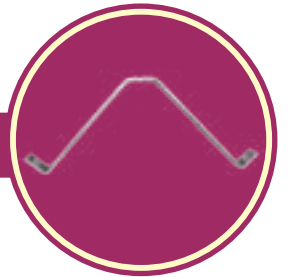
Extension from Wall 3 1/2"



## CORNER RACK SUPPORT

Bolts to walls at corner of manhole.

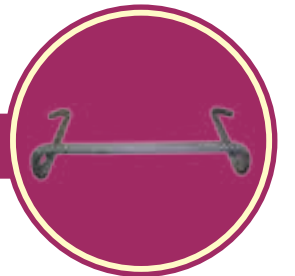
Part #	Description
3635	12" X 12" legs
3636	9" x 12" legs
3637	18" x 18" legs



## MANHOLE STEPS

When ordering, please include part number for type plus dimensions, material and specifications.

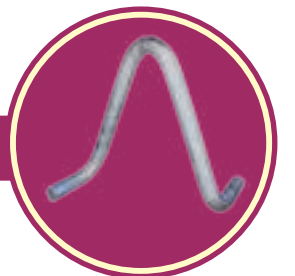
Part #	Description
3640	Drop front type- non slip
3641	Bolt on step- for supporting ladder



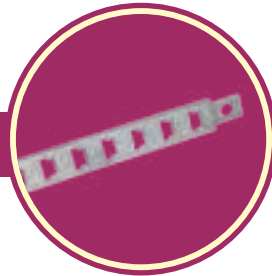
## PULLING-IN IRONS

Irons provide a strong, convenient attachment for pulling-in blocks when installing or removing cables.

Part #	Description
3657	12" with retaining plate
3658	12" w/cross bar & retaining plate
3659	12" with opposing bends
3660	9" with retaining plate
3661	9" w/cross bar & retaining plate
3662	9" with opposing bends



## UNDERGROUND CABLE RACKS



Designed to support cable runs in manholes and vaults. Constructed of 1 1/2" x 9/16" x 3/16" galvanized steel channel, with T-slots spaced at 1 1/2" intervals. The 8, 14 and 18 hole racks have interlocking mounting slots at each end so two or more racks may be combined as one unit. Longer racks are mounted through the T-slots.

Part #	Support Holes	Length	Bolt Hole Spacing
3620	8	15"	13 1/2"
3632	14	24"	22 1/2"
3622	18	30"	28 1/2"
3623	37	55 1/4"	
3624	43	64 1/4"	
3625	47	70 1/4"	
3626	54	81"	

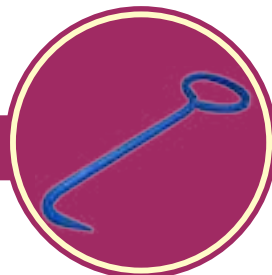
## UNDERGROUND CABLE RACK HOOKS



Constructed of 3/16" galvanized steel, with a smooth surface to protect cable from damage. With upturned ends to prevent cable or insulators from slipping off.

Part #	Extension from Rack Face
3627	4"
3628	7 1/2"
3629	10"
3630	14"
3631	18"

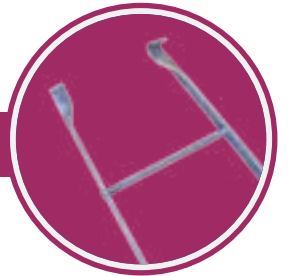
## MANHOLE COVER LIFTING HOOKS



Strong 1/2" octagon steel bar.

Part #	Length
3668	26 1/2"
3669	18"

## MANHOLE LADDERS

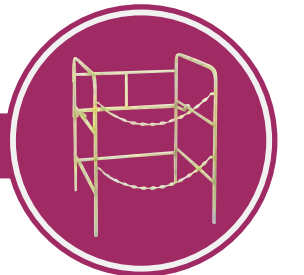


Constructed of galvanized steel, with 1 1/2" side rails and non slip rungs on 12" centers. All ladders meet OSHA standards.

Part #	Length	Description
3642	6 1/2'	Hook over type
3643	7'	Hook over type
3644	8'	Hook over type
3645	9'	Hook over type
3646	10'	Hook over type
3647	11'	Hook over type
3648	12'	Hook over type
3649	13'	Heavy Duty hook over type
3650	14'	Heavy Duty hook over type
3651	15'	Heavy Duty hook over type
3652	16'	Heavy Duty hook over type
3653	18'	Heavy Duty hook over type
3654	20'	Heavy Duty hook over type
3655	22'	Heavy Duty hook over type

Please add 'W' to part number for wall mount with brackets.

## MANHOLE GUARD RAILS



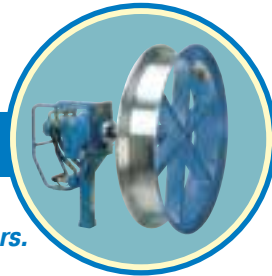
Complete with two steel chains, warning mast holder and wing bow locking brace, which assures strong protection and permits use of chains on one side.

Finished in yellow enamel. Available with manhole shield clamps.

Part #	Description	Weight (lbs.)
3664	Steel guard	50
3665	Steel guard with clamps	50

## Fiber Optic Cable Puller

The Fiber Optic Cable Puller from Condux has been a leader in cable pulling for many years. The Condux line of pullers offer load cell torque input for the most accurate tension measuring available. Unlike most hydraulic measuring systems, this system is not affected by changes in oil temperature, component age, and power source. That means the Condux Fiber Optic Cable Puller does not need to be re-calibrated under different weather conditions.



Capstan sold separately. See page 24

Base Mount Frame

Pole Mount Frame



Posts fits standard 2 1/2" mounting socket

Remote Mounting Stand



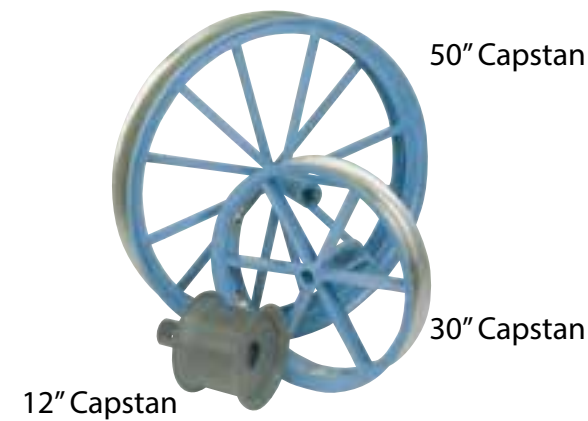
Fiber Optic Cable Puller Hitch Mount

### SPECIFICATIONS

	12 in (305 mm) Diameter Capstan		30 in (762 mm) Diameter Capstan		42 in (1067 mm) Diameter Capstan		50 in (1270 mm) Diameter Capstan	
	lbs	kN	lbs	kN	lbs	kN	lbs	kN
<b>PULLING FORCE</b>								
Maximum	2,000	8.9	1,000	4.4	600	2.7	600	2.7
Continuous	2,000	8.9	1,000	4.4	600	2.7	600	2.7
<b>PULLING SPEED</b>	ft/min	m/min.	ft/min	m/min.	ft/min	m/min.	ft/min	m/min.
No Load	93.9	28.6	240.0	73.2	328.4	100.0	391.4	119.3
At Maximum Force	93.9	28.6	240.0	73.2	328.4	100.0	391.4	119.3
<b>Power Requirements</b>								
<b>PRESSURE</b>	2,000 to 2,500 psi (137 to 172 bar)							
<b>FLOW</b>	6 to 10 gpm (22.7 to 37.9 lpm)							
<b>PEAK POWER</b>	8 HP (5.97 kw)							

## Capstans

To conform to the many specifications of fiber optic cable available, and to offer more cable pulling capabilities, we offer several sizes of capstands that fit the Condux Fiber Optic Cable Puller. Sizes available are 12", 30", 42" and 50". Call us today and let us help you with your capstan requirements.



12" Capstan

50" Capstan

30" Capstan

Capstan Specifications	12 in (305 mm) Diameter Capstan		30 in (762 mm) Diameter Capstan		30 in (762 mm) Diameter Capstan		42 in (1,067 mm) Diameter Capstan		50 in (1,270 mm) Diameter Capstan	
<b>Part Number</b>	08675213		08675230		08675430		08675436		08675220	
<b>FLAT SURFACE</b>	in	mm	in	mm	in	mm	in	mm	in	mm
Width	9	229	4	102	8	203	8	203	8	203
<b>PULLING FORCE</b>	lbs	kN	lbs	kN	lbs	kN	lbs	kN	lbs	kN
Maximum/Continuous	2,000	8.9	1,000	4.4	600	2.7	600	2.7	600	2.7
<b>PULLING SPEED</b>	ft/min	m/min.	ft/min	m/min.	ft/min	m/min.	ft/min	m/min.	ft/min	m/min.
At Maximum Force	94	28.6	240.0	73.2	240.0	73.2	328.4	100.0	391.4	119.3
<b>CABLE DIAMETER</b>	Not for Fiber Optic Cable		in	mm	in	mm	in	mm	in	mm
Maximum			.75	19.0	.75	19.0	1.05	26.7	1.25	32.5

**SPLIT STEEL**



Part #	Description
7190SH	2" Galvanized Split & Hinged
7193SH	3" Galvanized Split & Hinged
7192SH	4" Galvanized Split & Hinged
7195SH	5" Galvanized Split & Hinged
7196SH	6" Galvanized Split & Hinged

**SNAP-LOC SPLIT DUCT**



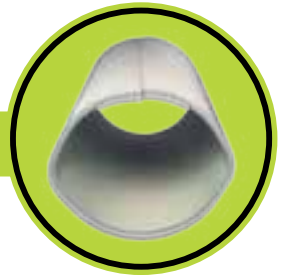
Part #	Description
10045	3 1/2" EB Snap-Loc
10048	4" EB Snap-Loc

**SPLIT DUCT (TONGUE & GROOVE)**



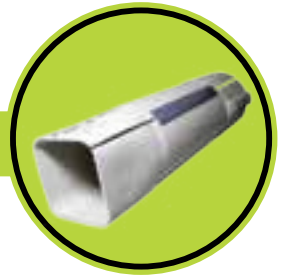
Part Number:	Type	Nom. Size	Outside Diameter		Avg. Wght./Cft.
			Inches		
TG7105G	Sch 40	2"	2.375		69.9
TG7106G	Sch 40	3"	3.5		145
TG7107G	Sch 40	4"	4.5		206.7
TG7108G	Sch 40	5"	5.563		280
TG7109G	Sch 40	6"	6.625		363.6

**SPLIT DUCT COUPLING**



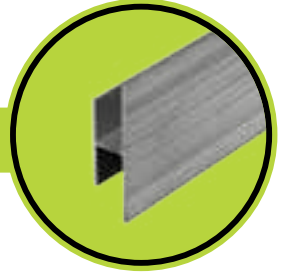
Part #	Description
1073	3 1/2" keyed split duct to 3 1/2" solid tel. duct
1073N	3 1/2" keyed all the way
1074	4" keyed split duct to 4" solid tel. duct
1074N	4" keyed all the way

**SPLIT SQUARE BORES**












Part #	Description
1135	3 1/4 Sq x 3 1/2 Rd Split
1136	3 1/4 Sq x 4 Split
1137	3 1/2 Sq x 3 1/2 Split
1140	3 1/2 Sq x 4 Split

**PLASTIC JOINER STRIP**



Part Number:	Type	Length	Std. Pkg.
3080	EB	10'	50'
3081	Sch. 40	10'	50'
3082	DB	10'	50'
3083	Sch. 80	10'	50'

## MULTIDUCT SPECIFICATIONS

Part Number	No. of Inner Ducts	Description	PSI Rating	PSI Gasket Rating	Max Inner ID	Minimum Wall Thickness (each)	
I/O44100-07-00	4	Multiduct 4" SCH 40 UL 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-04-00	4	Multiduct 4" SCH 80 HYBRID 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-00-00	4	Multiduct 4" TYPE C 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-14-00	4	Multiduct 4" Boreable 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-18-00	4	Multiduct 4" Extra Heavy Wall FGL 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-17-00	4	Multiduct 4" Heavy Wall FGL 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-16-00	4	Multiduct 4" Standard Heavy Wall FGL 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-15-00	4	Multiduct 4" Galvanized Steel Set Screw Coupling 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44100-10-00	4	Multiduct 4" Galvanized Steel Quick Coupled 4 Way 1.00" PVC	200	120	1.194"	0.063	
I/O44125-07-05	4	Multiduct 4" SCH 40 UL 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-04-05	4	Multiduct 4" SCH 80 HYBRID 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-00-05	4	Multiduct 4" TYPE C 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-14-05	4	Multiduct 4" Boreable 3 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-18-05	4	Multiduct 4" Extra Heavy Wall FGL 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-17-05	4	Multiduct 4" Heavy Wall FGL 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-16-05	4	Multiduct 4" Standard Heavy Wall FGL 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-15-05	4	Multiduct 4" Galvanized Steel Set Screw Coupling 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O44125-10-05	4	Multiduct 4" Galvanized Steel Quick Coupled 4 Way 1.25" Ribbed Poly	200	120	1.250"	0.085	
I/O43150-07-00	3	Multiduct 4" SCH 40 UL 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-04-00	3	Multiduct 4" SCH 80 HYBRID 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-00-00	3	Multiduct 4" TYPE C 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-14-00	3	Multiduct 4" Boreable 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-18-00	3	Multiduct 4" Extra Heavy Wall FGL 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-17-00	3	Multiduct 4" Heavy Wall FGL 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-16-00	3	Multiduct 4" Standard Heavy Wall FGL 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-15-00	3	Multiduct 4" Galvanized Steel Set Screw Coupling 3 Way 1.50" PVC	200	120	1.507"	0.079	
I/O43150-10-00	3	Multiduct 4" Galvanized Steel Quick Coupled 3 Way 1.50" PVC	200	120	1.507"	0.079	

## HANGERS & MISC. METALS FABRICATION

Osburn Associates, Inc. is a manufacturer and distributor of materials and tools for the communication, CATV and electrical industries. With over 25 years as a leader in Underbridge/Underground applications, our staff will assist you and your engineers to help determine design and product choice. While we are not an engineering firm, we are here to help. We have the equipment and facilities to supply nearly all specified items for your projects.

### Conduit For Bridges

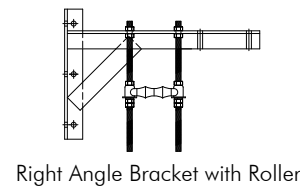
Material	Type	Description
Fiberglass	ID/IPS/Bullet Resistant	2" - 6"
Steel	Galvanized/Black Iron T&C	2" - 6"
PVC	Type D	4"

Fittings for conduit include but not limited to, Bends, Couplings, Expansion Joints, Split Stop Rings, Epoxy, Threaded Adapters.

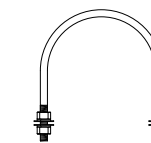
### Concrete Inserts

Type	Description
Mechanical	1/2" - 3/4"
Encased Loop Ferrule	1/2" - 3/4"

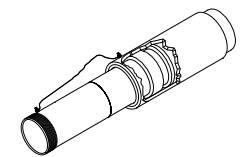
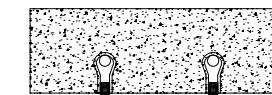
Anchors are available in various finishes; Electro Galvanized, Hot Dip Galvanized, 304 SS and 316 SS. Call our sales associates to ensure the anchor you are looking for is available in the finish you need.



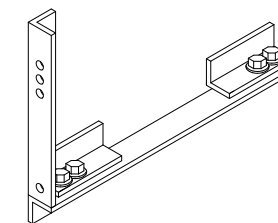
Right Angle Bracket with Roller



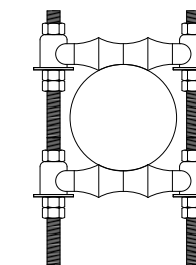
U Bolts



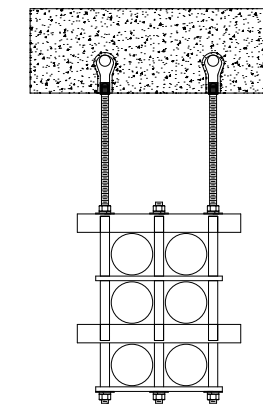
Steel Expansion Joint Exploded View



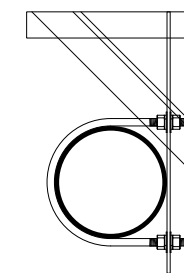
Side Mount I-Beam Bracket



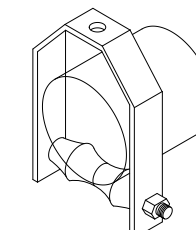
2 Rod Roller Assembly



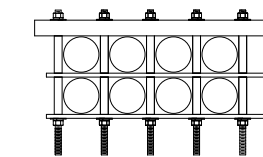
Intermediate Hanging Grid Hanger



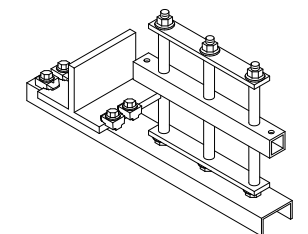
Top or Side Mount Bracket with U-Bolt



Yoke Roller Bracket



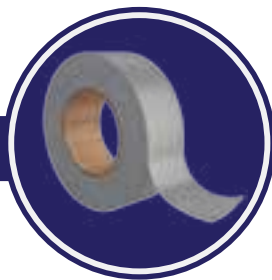
Base Mount Grid Hanger



Side Mount Bracket with Grid Hanger

The hangers listed are common for various utilities. It is nearly impossible to catalog all the different styles of hangers. Call us with your design requirement and we will be happy to help you.

**SEALING TAPE**



Part Number:	Nom. Size	Std. Pkg.
3510	2" wide x 60 yds.	24
3511	3" wide x 60 yds.	24

**PLASTIC STRAPS & PLIERS**



Part Number:	Nom. Size	Std. Pkg.
3505	3 1/2" and 4"	60
<b>Pliers</b>		
3515		1

**NYLON CABLE PROTECTOR**



For insertion in end of duct, riser or other conduits. Two sizes that fit 1"-6".  
Note: Not for use in continuous exposure to sunlight.

Part #	Description
FO6028	3"-6"; maximum width open position 7 1/2"
FO6029	1" - 2 1/2" duct

**CABLE BENDING SHOE**



Helps prevent cable abrasion, crimping and bending when pulling in or out of conduit.

Part #	Description
3656	Plastic
3656M	Metal

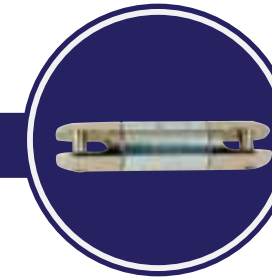
**BALL BEARING SWIVEL**



Part #	Working Load (lbs.)	Overall Diameter
3672	1800	7/8"
3673	5400	1 1/8"
3674	9000	1 3/8"
3675	12000	1 5/8"
3676	21000	2"
3677	30000	2 3/8"

Other sizes available. Please contact sales office.

**SWIVELS (BREAKAWAY)**



Part #	Diameter	Break Load (lbs)
FO6031	5/8"	450#
FO6022	5/8"	600#
FO6025	7/8"	600#
FO6026	7/8"	900#
FO6027	7/8"	1000#

Other sizes available upon request.

**SWING LINKS**



Forged steel half links remain firmly joined while under tension, yet are easily removed when tension is relaxed.

Part #	Size	Width	ID Eye	Safe Working Load (lbs.)
3689	3/8"	1 5/16"	9/16"	1100
3691	1/2"	1 5/8"	5/8"	1900
3694	3/4"	2 9/16"	1 1/16"	3540

\* Ultimate load for safe working load.



### DUCT PROJECTILE

Constructed of molded rubber cones fastened to heavy duty metal rod with fastening rings. Projectile is easily blown through duct with hand blower tool.



Part #	Description
FO3044	For 1" duct
TD264	For 1 1/4" duct
FO3046	For 1 1/2" duct
FO3056	For 2" duct
FO3057	For 3" duct
FO3054	For 4" duct
FO3058	For 5" duct
FO3060	For 6" duct

### LINE MISSILE

Designed for fishing with high speed blowers. Faster and more efficient than foam carriers because less friction is created.



Part #	Description
FO3050	For 2" duct
FO3051	For 3" duct
FO3049	For 3 1/2" duct
FO3052	For 4" duct
FO3053	For 5" duct
FO3055	For 6" duct

### INFLATABLE MISSILE

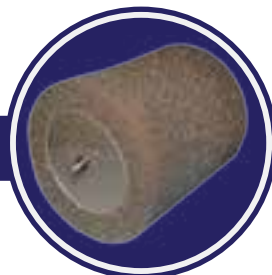
Requires only four sizes to fish all conduit from 3/4" through 6" diameter.



Part #	Description
FO3012	For 3/4" through 1 1/4" duct
FO3013	For 1 1/2" through 2 1/2" duct
FO3014	For 3" through 4" duct
FO3015	For 5" through 6" duct

### FOAM CARRIER

Carrier is easily blown through duct with hand blower tool.



Part #	Description
FO3006	For 1" duct
FO3007	For 1 1/4" duct
FO3008	For 1 1/2" duct
FO3009	For 2" duct
FO3010	For 3" duct
FO3011	For 4" duct
FO3032	For 5" duct
FO3033	For 6" duct

### MEASURING / PULLING TAPE



Part #	Material	Tensile Strength	Standard Reel Length
PE1250	polyester	1250 lbs.	3000'
PE1800	polyester	1800 lbs.	3000'
PE2500	polyester	2500 lbs.	3000'

### DETECTABLE MEASURING TAPE



Part #	Tensile Strength	Material	Standard Reel Length
PE1250D	1250#	polyester	3000'
PE1800D	1800#	polyester	3000'
PE2500D	2500#	polyester	3000'

### POLYPROPYLENE ROPE



Part #	Diameter & Length	Tensile Strength (lbs.)	Linear Density (lbs./100')
FO3022	1/8" X 1200'	500	0.36
FO3026	3/16" X 1200'	720	0.7
FO3019	3/16" X 2400'	720	0.7
FO3016	3/16" X 6000'	720	0.7
FO3027	1/4" X 600'	1130	1.2
FO3028	1/4" X 1200'	1130	1.2
FO3018	1/4" X 2400'	1130	1.2
FO3017	1/4" X 5000'	1130	1.2
FO3020	3/8" X 600'	2440	2.8
FO3029	3/8" X 1200'	2440	2.8
FO3021	3/8" X 2400'	2440	2.8
FO3023	3/8" X 4000'	2440	2.8
FO3030	1/2" X 600'	3780	4.7
FO3031	1/2" X 1200'	3780	4.7
FO3025	1/2" X 2400'	3780	4.7

### LIGHT DUTY POLY PULL LINE

Ideal for many types of pulls, or for pulling rope through conduit. Will not rot, mildew or rust, so can be left in conduit for future use.

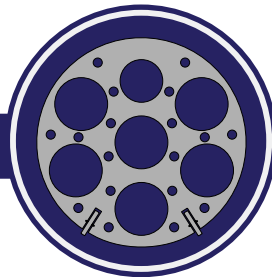


Part #	Length	Tensile Strength (lbs./100')	Weight (lbs.)
FO120	6500'	200	45
FO123	2200'	500	45

### BORE SPACER

Part #	Description
3725	Bore Spacer
3726	Caster

Available for casing sizes 12" to 50". Please specify casing size, number and size of conduits. Casters are optional.



### MANHOLE TERMINATOR

Part #	Description
3735	Manhole Terminator
3736	Plug

Please indicate number of ducts, size of conduits, separation required and manhole wall thickness. Terminators are supplied with a knock-out membrane. Plugs are optional.



### POLE/FLANGED MOUNT PIPE STRAPS

A heavy duty type strap for clamping telephone duct to poles or rounded surfaces. Hot dip galvanized steel, to fit round duct.



Flange type	Description
Part # 1586	4" duct size with 40° flanges

### FLAT MOUNT PIPE STRAPS

2 Hole	Description
Part # 1583	2" duct
1584	3" duct
1585	4" duct
1596	5" duct
1597	6" duct



### DOUBLE POLE/FLANGED MOUNT PIPE STRAPS

Double type, for two ducts

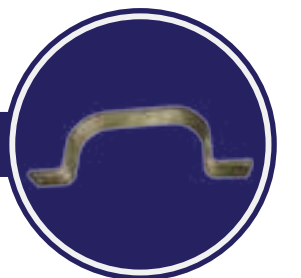
Part #	Description
1587F	2" duct
1588F	3" duct
1589F	4" duct
1596DF	5" duct
1597DF	6" duct



### DOUBLE FLAT MOUNT PIPE STRAPS

Double type, for two ducts

Part #	Description
1587	2" duct
1588	3" duct
1589	4" duct
1596D	5" duct
1597D	6" duct



**SPACERS FOR PLASTIC DUCT**

For completely enclosed and locked-in duct banks

**INTERMEDIATE SPACERS**



1" Separation Part #	Duct Size	Std. Pkg.
5120	4"	200

1 1/2" Separation Part #	Duct Size	Std. Pkg.
5150	2"	350
5156	3"	225
5185	4"	150
5128	5"	100
5132	6"	100

2" Separation Part #	Duct Size	Std. Pkg.
5152	2"	300
5158	3"	200
5124	4"	125
5130	5"	100
5134	6"	90

3" Separation Part #	Duct Size	Std. Pkg.
5154	2"	200
5160	3"	125
5189	4"	90
5191	5"	80
5162	6"	70

8" Spacers available upon request.

**BASE SPACERS**



1" Separation Part #	Duct Size	Std. Pkg.
5121	4"	175

1 1/2" Separation Part #	Duct Size	Std. Pkg.
5151	2"	250
5157	3"	175
5186	4"	140
5129	5"	120
5133	6"	100

2" Separation Part #	Duct Size	Std. Pkg.
5153	2"	225
5159	3"	155
5125	4"	140
5131	5"	120
5135	6"	100

3" Separation Part #	Duct Size	Std. Pkg.
5155	2"	225
5161	3"	150
5190	4"	120
5192	5"	100
5163	6"	95

\*Spacer links and Dual Sizers available upon request.

8" Spacers available upon request.

### UNIVERSAL PLASTIC PLUGS

For either bell or spigot ends, with tab for fastening with rope.

Part Number:	Duct Size
3049	1"
3050	1 1/4"
3051	1 1/2"
3040	2"
3044	3"
3047	4"
3046	5"
3041	6"



### WATERTIGHT EXPANDABLE PLUGS

Made of soft rubber, with galvanized steel plates and bolts. Plug effectively seals ducts against water, gas, litter and vermin.

Part Number:	Duct Diameter
3052	4"



### MULTI-HOLE ENTRANCE PLUGS

Made of soft rubber, with Phenolic plates and corrosion resistant hardware. Plug effectively seals ducts against water, gas, litter and vermin.

Please call office to specify duct inside diameter, cable or innerduct outside diameter.

Available in 4" pipe sizes only.



### BLANK EXPANSION PLUG W / ROPE TIE

Part Number:	Duct Diameter
WTP100	1"
WTP125	1 1/4"
WTP150	1 1/2"
WTP200	2"
WTP250	2 1/2"
WTP300	3"
WTP350	3 1/2"
WTP400	4"
WTP500	5"
WTP600	6"



### SLIT INNERDUCT PLUG

Part Number:	Duct Diameter
FO2149	1" rubber plug 9/16" hole
FO2150	1" rubber plug 5/8" hole
FO2147	1 1/4" rubber plug 9/16" hole
FO2148	1 1/4" rubber plug 5/8" hole



### 'T' CONE EXPANDABLE STOPPER

Part Number:	Type	Nom. Size	Conduit I.D.
FO204	Plastic (Sch. 40)	1"	
FO205	Plastic (Sch. 40)	1 1/4"	
FO206	Plastic (Sch. 40)	1 1/2"	1.610"
FO207	Plastic (Sch. 40)	2"	2.067"
FO208	Plastic (Sch. 40)	3"	3.068"
FO210	Telephone Duct	3 1/2"	3.500"
FO211	Telephone Duct	4"	4.000"
FO217	Plastic (Sch. 40)	5"	5.000"
FO218	Plastic (Sch. 40)	6"	6.000"



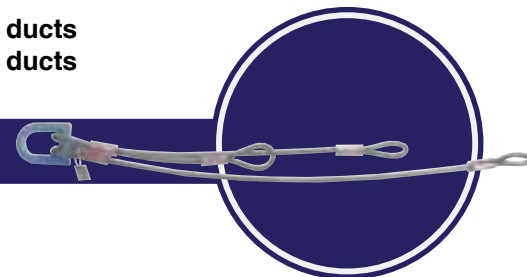
### 'IT' UNIVERSAL SEAL OFF



One tool is all that's needed to seal ducts 1-4" and 1-6" in diameter.  
Has standard hose coupling for attachment to compressor air hose and air flow valve.  
Will accept 3/8" or 1/4" rope or tape.

Part #	Description
FO2145	Compressor seal off for 1" through 4" ducts
FO2146	Compressor seal off for 1" through 6" ducts

### PULLING HARNESS



Part #	Description
FO6035	3 WAY
FO6039	4 WAY

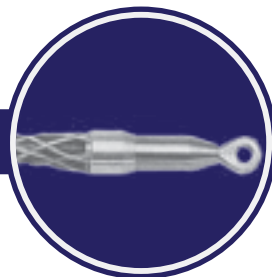
Allows staggered attachment to cable of innerduct when pulling through conduit systems or during directional drilling pull-back operations. Other harness combinations available upon request.

### CABLE GRIP



Part #	Size (in)
FO1081	.375 - 0.50
FO1082	.50 - 0.75
FO1087	.75 - 1.25
FO1086	1.25 - 2.00
FO1088	2.00 - 2.75
FO1089	2.75 - 3.50
FO1090	3.50 - 4.25

### ROTATING EYE CABLE GRIP



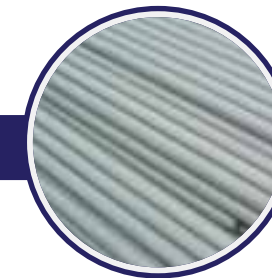
Part #	Size (in)	Approximate Breaking Strength lbs	Eye OD	Eye Thickness
158641813	.25"-.49"	6,800#	7/8"	.315"
158641822	.50"-.74"	10,000#	1"	.524"
158641831	.75"-.99"	14,400#	1"	.513"
158641837	1.00"-1.24"	24,600#	1 3/8"	.532"
158641843	1.25"-1.49"	30,600#	1 5/8"	.667"
158641849	1.50"-1.74"	30,600#	1 7/8"	.710"
158641852	1.75"-2.24"	48,000#	1 7/8"	.653"
158641855	2.00"-2.49"	48,000#	1 7/8"	.704"
158641858	2.50"-2.99"	48,000#	1 7/8"	.685"
158641861	3.00"-3.49"	48,000#	1 7/8"	.694"
158641864	3.50"-3.99"	48,000#	1 7/8"	.697"

### HAND RODS & ADAPTORS

#### FIBERGLASS DUCT RODS

3/4" 10NC threads. Strong, flexible and not affected by water, oil and most acids. Bronze end couplings firmly bonded to rod withstands rough usage. Male one end, female other end.

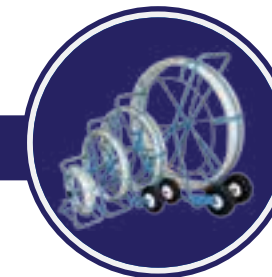
Part #	Size
3537	5/8" x 5'
3538	5/8" x 10'



#### CONTINUOUS FIBERGLASS ROD

Part #	Length
3523	7/16" x 300'
3524	7/16" x 400'
3525	7/16" x 600'
3526	7/16" x 800'
3527	7/16" x 1000'

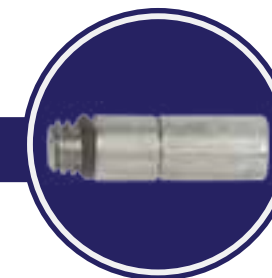
Other sizes and lengths available upon request.



### SWIVEL

Allows line being pulled in to twist & unwind.

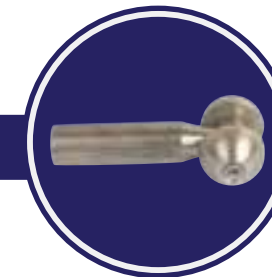
Part #	Size
3520	3/8" thread



### ROLLER GUIDE

Guides the duct rod over bumps or offsets and around corners

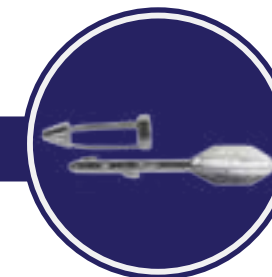
Part #	Size
3517	3/8" thread



### BASKET COMBINATION

For joining two rodding units together in the duct.

Part #	Size
3521	3/8" thread



**FIBERGLASS ROD REPAIR KIT**



Part #	Size
3532C	End Line Repair Kit
3533C	In Line Repair Kit

**SHACKLE FITTING**



For use when the winch line has a closed loop eye.

Part #	Size
3518	3/8" Thread

**PULLING EYE END REPLACEMENT**

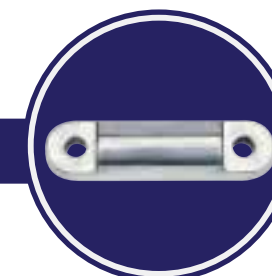


Used to tie off winch line, electrical conductors.

Part #	Size
DR-TH316	3/16" Rod Size
DR-TH014	1/4" Rod Size
DR-TH516	5/16" Rod Size
DR-TH716	7/16" Rod Size
DR-TH916	9/16" Rod Size

**DUCT MANDRELS & CLEANERS**

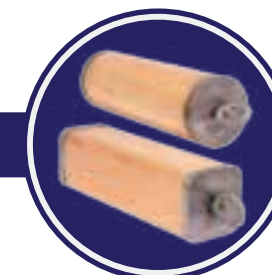
**ALUMINUM TEST SLUGS**



For testing conduit for blockages prior to cable pulling.

Part #	Description	Material
3569-1	1" Duct size .860 OD	Aluminum
3569-125	1 1/4" Duct size 1.086 OD	Aluminum
3569-150	1 1/2" Duct size 1.243 OD	Aluminum

**DUCT MANDRELS & CLEANERS**

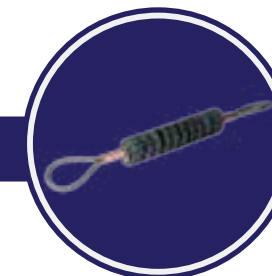


For testing conduit for blockages prior to cable pulling.

Part #	Description	Material
3569	Round for 4" duct	Wood

Available in 6" or 11 1/2" length.

**RUBBER DUCT SWABS**



For cleaning and lubricant spreading prior to cable pulling.

Part #	Size
3579	3 1/2"
3580	4"
3581	5"
3582	6"

**WIRE BRUSH DUCT CLEANER**



For removal of sand and other light obstructions. Has flat steel bristles and pulling eye at each end.

Part #	Duct Diameter
3585	2"
3586	2 1/2"
3587	3"
3588	3 1/2"
3589	4"
3590	5"

**PE & PVC PULLING EYE**



Part Number:	Description:
158220600	1 1/4" Sleeved Pulling Eye
158220601	1 1/2" Sleeved Pulling Eye
158220602	2" Sleeved Pulling Eye
158220604	4" Sleeved Pulling Eye

Other sizes available upon request. Add NS for non-sleeved - Available in 2" through 6"

**FIXED HEAD PULLING EYE**



Part Number:	Description:	ID Range
158914120	1" Fixed Head Pulling Eye	.93" - 1.06"
158914130	1 1/4" Fixed Head Pulling Eye	1.06" - 1.43"
158914140	1 1/2" Fixed Head Pulling Eye	1.37" - 1.68"
158914160	2" Fixed Head Pulling Eye	1.93" - 2.12"

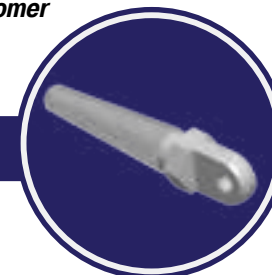
**SWIVEL HEAD PULLING EYE**



Part Number:	Description:	Dimension
158960712	1" - 1 1/4" Swivel Head Pulling Eye	1.06" - 1.43"
158960715	1 1/2" Swivel Head Pulling Eye	1.37" - 1.68"
158960720	2" Swivel Head Pulling Eye	1.93" - 2.12"

Replacement Clevis Pins for Swivel Head Innerduct Pulling Eyes are available. Contact customer service for details.

**GTS GAS PIPE PULLEYS**



Part Number:	Description:	Dimension
158914005	1/2" CTS Gas Pipe Pulley	.315" - .551"
158914007	3/4" CTS Gas Pipe Pulley	.551" - .813"
158914010	1" CTS Gas Pipe Pulley	.813" - 1.05"

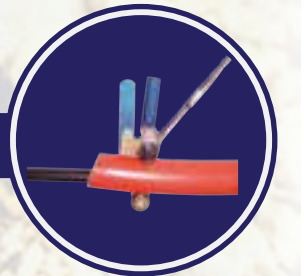
This pulling eye connects directly to a Condux Breakaway Swivel. See page XXX

**CABLE JACKET AND INNERDUCT SLITTER**



Part Number:	Description:	Std. Pkg.
FO2019	Cable Jacket and Innerduct Slitter	1
FO20191	Replacement Blade	1

**MECHANICAL INNERDUCT SLITTER**



Part Number:	Description:	Std. Pkg.
FO2025	Mechanical Innerduct Slitter	1
FO2025RB	Replacement Blade	1

**INNERDUCT SLITTER**



Part Number:	Description:	Std. Pkg.
FO2028	Innerduct Slitter	1
FO2028RB	Replacement Blade	1

**CABLE STRIPPER/SLITTER**



Part Number:	Description:	Cutting Depth	Max Dia.
FO2030	Small Diameter Stripper/Slitter	.118	.18-1.00
FO2031	Large Diameter Stripper/Slitter	.177	.98-1.42
FO2030RB	Replacement Blade (fits both sizes)		

**PLASTIC PIPE CUTTERS**



Part Number:	Description:
FO2011	1" - 1 1/4"
FO20111	Replacement Blade
FO2015	1 1/2" - 2"
FO20151	Replacement Blade

**LIGHT DUTY PLASTIC PIPE CUTTER**



Part Number:	Description:
FO2011-LD	1/8" - 1 1/4"
FO2011-LD RB	Replacement Blade

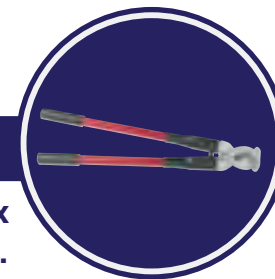
**RATCHETING CABLE CUTTERS**



Part Number:	Description:
RCC-100	Ratcheting Cable Cutter
RCC-100 RB	Replacement Blade

*Easy one or two handed cutting for copper and aluminum power cables. Specially designed tempered blades combine with positive ratcheting action to cut through most cable. A release level lets you break free from the load whenever necessary.*

**UTILITY CABLE CUTTERS**



Part Number:	Description:	Cuts (max. kcmil)	Max Dia.
UCC-125	13" Steel handles	350/350	.90
UCC-126	17" 600 V fiberglass handles	500/750	1.03
UCC-127	26" 600 V fiberglass handles	1000/1200	1.40

*Lightweight shear-type cable cutter for copper and aluminum cable. Not intended for cutting steel or ACSR.*

**HOOKED HANGER SHEAVES**



Part #	Sheave Size (IN)
3609	4 x 11
3610	4 x 20
3611	5 x 11
3612	5 x 20
3613	5 x 26 1/2
3613LD	5 x 26 1/2 w/ Light Duty Hanger Arm
3615	6 x 11
3617	8 x 11
3614	Alignment arm for 4" & 5" sheaves

Sheave photo displays alignment arm and chain which is sold separate.

**CABLE LUBRICANTS**



Poly Water F - Communications Cable Lube

Part #	Description
FO6001S	Summer Grade - 1 Gal Jug
FO6003	Summer Grade - 5 Gal Pail
FO6001W	Winter Grade - 1 Gal Jug
WF640	Winter Grade - 5 Gal Pail

**PVC CEMENT**



Part Number:	Nom. Size	Std. Pkg.
3487	Quart	12
3485	Gallon	4



### POLY-DOME MARKERS

Used in pipeline, telcom and utility applications. Longer lengths available upon request.

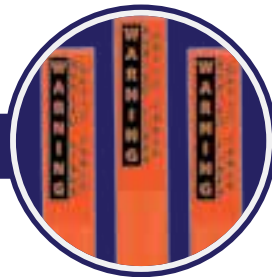
Part #	Length	Material
PDM6	6 FT	Polydome
PDM7	7 FT	Polydome
PDM8	8 FT	Polydome



### FLEXIBLE LINE MARKERS

Fire resistant flexible fiberglass line markers are lightweight and come with decals on 1 or 2 sides. Various colors and lengths available. Post drivers available upon request.

Part #	Length	Description
FLM66	66 IN	Line Marker
FLM72	72 IN	Line Marker
FLM78	78 IN	Line Marker



### UNDERGROUND WARNING TAPE

Available in both detectable and non-detectable for electric, telephone, fiber optic cable, water and sewer. Other messages, sizes and lengths available upon request.

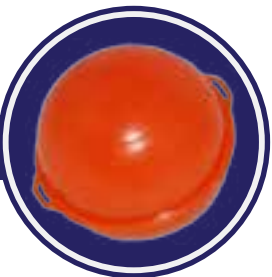
Part #	Description
FO6018	3" x 1000" detectable warning tape "Caution Fiber Optic Cable"
FO6019	3" x 1000" non-detectable warning tape "Caution Fiber Optic Cable"
FO6021F	6" x 1000" non-detectable warning tape "Caution Fiber Optic Cable"
FO6021DF	6" x 1000" detectable warning tape "Caution Fiber Optic Cable"



### 3M BALL MARKERS

E1401-Telephone • E1401-02 Gas • E1401-03 CATV • E1401-04 Power • E1401-05 Water • E1401-06 Wastewater • E1401-07 General Purpose

The 140X-XR/ID RFID Ball Marker provides an accurate, convenient, long-lasting method of marking underground telephone facilities. The marker has a range of up to five feet (1.5 m) from marker to locator. RFID markers can be programmed to include customer-specific information such as facility data, type of application, material type and size, placement data and other important details.



### FULL BRIM HARD HAT

COLORS AVAILABLE



Part Number:	Std. Pkg.
WZ-FBHH-6PTR	1
WZ-FBHH-4PTR	1

BLUE, GRAY, GREEN, ORANGE, RED, WHITE, YELLOW, GREEN HI VIZ, ORANGE HI VIZ



### CAP STYLE HARD HAT

COLORS AVAILABLE



Part Number:	Std. Pkg.
WZ-CSHH-6PTR	1
WZ-CSHH-4PTR	1

BLUE, GRAY, GREEN, ORANGE, RED, WHITE, YELLOW, GREEN HI VIZ, ORANGE HI VIZ



### REPLACEMENT SUSPENSION

Part Number:	Suspension Type	Std. Pkg.
RS-6PT	Ratchet 6 point	1
RS-4PT	Ratchet 4 Point	1

Customize your hard hat with a logo • We accept most file artwork types • Minimal set up fee • Low minimum quantities

#### Features

- Pillowed Brow Pad.
- Nylon Crown Strap Suspensions.
- Vertical Height Adjustment.
- Quick Ratchet Adjustment System.
- Easy Pinlock Adjustment System.
- High Density Polyethylene Construction.
- Universal Accessory Slots.
- All Hard Hats Meet ANSI Z89.1-2009 Type 1 – Class G & E Standards.
- Made in the USA.



## Work Zone and Safety Products

Osburn Associates, Inc. also provides Work Zone supplies to ensure your safety.



### Drums & Channelizers

Produced with sheeting color sequence Orange / White Orange / White (from top to bottom), unless specified otherwise.

### Barricades

Available in various types, including: Plasticade (type 1-2), Econocade (type 1-2), Combocade (type 1-2), Break-away (type 3 or sheeted, 1-2 sides), and more.



### Roll Up Signs & Stands

Signs with standard MUTCD & custom messages available. Signs made from the following materials: High-performance Reflective, Standard Reflective, Vinyl Non-reflective, and Mesh Non-reflective. Stands for Roll Up and Rigid Construction signs.

### Traffic Cones

100% Premium PVC Material - Cutting edge injection molding technology. Available to order with or without reflective collar(s).



### Stop / Slow Paddles

Traffic control paddles are made with fiberglass handles, optionally telescopic, with 18" - 24" aluminum octagons, and your choice of type I - IX vinyl sheeting.



### Fluorescent Safety Vests

All of our safety vests meet ANSI 107-2010 Class 3 standards. Available in lime green, fluorescent orange, and in a variety of styles, medium through 5XL.





#### **Important Notice to Purchaser:**

All statements, technical information and recommendations contained herein are based on information we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied. Osburn Associates, Inc's only obligation shall be to replace any items that prove to be defective within one year after shipment to the original purchaser. Neither seller or manufacturer shall be liable for injury, loss or damage, direct or consequential, arising out of use of this product. Before using, user shall determine the suitability of the product for his or her intended use, and user assumes all risks and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of Osburn Associates, Inc.

#### **Other products available from Osburn Associates, Inc.**

Traffic Signs, Cones, Barrels, Sign Posts, Wayfinding Signs, Extruded Overhead Signs, Roll-Up Signs, Construction Signs, Sign Stands, Safety Lights, Conspicuity Tape, Barricades, Stop-Slow Paddles, Safety Vests, Safety Shirts, Safety Jackets, Gloves

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**1 . 800 . 523 . 8917**

#### **FLORIDA LOCATION**

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St Petersburg, Florida 33713  
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**Osburn Associates, Inc.**



A Manufacturing Company

[www.osburns.com](http://www.osburns.com)

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