



Archer (UK) Limited
North Sea Equipment List



Archer rents a variety of standard and specialized equipment used in deep water, shelf and onshore drilling, as well as for completion and workover applications. We have built a reputation for providing customers with the highest quality equipment at competitive costs, excellent service and adherence to the highest health, safety and environmental standards.

Standard Rental Tool Equipment:

Our inventory of standard rental tool equipment includes: drill pipe, tubing, Hevi and Spiral Wate drill pipe and drill collars. Additionally, Archer offers a full selection of handling and support equipment for all of our tubular products and a large selection of pressure control equipment supports this.

Archer provides the highest quality downhole rental tubulars and accessories including:

- **Landing String/s** (API Connections)
- **Tubing Strings** (2-7/8" – 4-1/2")
- **Hevi Wate / Spiral Wate Drill Pipe** (3-1/2" – 6-5/8")
- **Spiral Drill Collar** (3-1/8" – 9-1/2")
- **Range II & Range III Drill Strings**
 - 2-3/8" S135 10.4# Drill Pipe w/ HTSL H90 Connections
 - 2-7/8" S135 10.4 Drill Pipe w/ WT26 Connections
 - 3-1/2" S135 15.5# Drill Pipe w/NC38 Connections
 - 3-1/2" S135 15.5# Drill Pipe w/ Vam EIS Connections
 - 4" S135 14# Drill Pipe w/ Vam EIS Connections
 - 4" S135 14# Drill Pipe w/ XT38 Connections
 - 5" S135 19.5# Drill Pipe w/ NC50 Connections
 - 5" S135 19.5# Drill Pipe w/ NC50 DSTJ Connections
 - 5-1/2" S135 21.9# Drill Pipe w/ FH DSTJ Connections
 - 6-5/8" S135 27.7# Drill Pipe w/ FH Connections

Note: Other strings can be made available on request

- **Handling Tools & Accessories**
 - Drill Pipe Elevators 3-1/2" – 6-5/8
 - BX Elevators, PS21's, PS30's & PS16's
 - Slips, Rotary & Drill Collar
 - Safety Valves – Lower Kelly Cock & IBOP's
 - Crossover Subs, Pump In Subs, Drill Collar Lift Subs
 - Bit Subs, Float Subs

Full handling packages are supplied to suit requested drill string

Note: All drill strings are manufactured & supplied in accordance with NS1 / NS2 specifications

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1. Drilling Equipment

1.1 BOP Inside drillpipe

Reference	Equipment description
1-1	10,000 PSI Working Pressure c/w 2.7/8" HT-PAC Connections
1-2	10,000 PSI Working Pressure w 2 7/8" WT26 Connections
1-3	10,000 PSI Working Pressure c/w NC-38
1-4	10,000 PSI Working Pressure c/w 4" HT - 38
1-5	10,000 PSI Working Pressure c/w NC-50
1-6	10,000 PSI Working Pressure c/w 5.1/2" FH
1-7	10,000 PSI Working Pressure c/w 5.1/2" DSTJ-2
1-8	10,000 PSI Working Pressure c/w 6.5/8" FH

1.2 Buckets - mud

Reference	Equipment description
2-1	For 3.1/2" Drill Pipe Manual Type
2-2	For 3.1/2" Drill Pipe (Air / Hydraulic Operated Type) c/w One Set Seals to Suit
2-3	For 4" Drill Pipe Manual Type
2-4	For 4" Drill Pipe (Air/Hydraulic Operated Type) c/w One Set Seals to Suit
2-5	For 5" Drill Pipe Manual Type
2-6	For 5" Drill Pipe (Air / Hydraulic Operated Type) c/w One Set Seals to Suit
2-7	For 5.1/2" Drill Pipe Manual Type
2-8	For 5.1/2" Drill Pipe (Air / Hydraulic Operated Type) c/w One Set Seals to Suit
2-9	For 5.7/8" Drill Pipe Manual Type
2-10	For 5.7/8" Drill Pipe (Air / Hydraulic Operated Type) c/w One Set Seals to Suit
2-11	For 6.5/8" Drill Pipe Manual Type
2-12	For 6.5/8" Drill Pipe (Air / Hydraulic Operated Type) c/w One Set Seals to Suit
2-13	For 3.1/2" Drill Pipe Manual Type

1.3 Basket - cargo / tool

Reference	Equipment description
3-1	Cargo Basket c/w Slings
3-2	Tubing Baskets 40ft Long
3-3	Tubing Frames

1.4 Casing scrapers

Reference	Equipment description
4-1	Thru 5" OD
4-2	Thru 5.1/2" OD
4-3	Thru 7" OD
4-4	Thru 9.5/8" OD
4-5	Thru 10.3/4" OD
4-6	Thru 13.3/8" OD

1.5 Clamps - safety

Reference	Equipment description
5-1	1-1/8" OD to 3-1/8" OD
5-2	3-1/4" OD to 4-5/8" OD
5-3	4-3/4" OD to 5-5/8" OD
5-4	5-3/4" OD to 6-5/8" OD
5-5	6-3/4" OD to 7-5/8" OD
5-6	7-3/4" OD to 8-5/8" OD
5-7	8-3/4" OD to 9-5/8" OD
5-8	9-3/4" OD to 10-5/8" OD

1.6 Cup tester cameron type f (complete)

Reference	Equipment description
6-1	3.1/2" IF Connections For 6.5/8"/7" OD Casing
6-2	4.1/2" IF Connections For 9.5/8" OD Casing
6-3	4.1/2" IF Connections For 13.3/8" OD Casing
6-4	4.1/2" IF Connections For 20" OD Casing

1.7 Drifts - tubing / drill pipe

Reference	Equipment description
7-1	Up to 3.1/2" OD Tubing / Drill Pipe
7-2	4" - 5.1/2" OD Tubing / Drill Pipe
7-3	5.1/2" - 7.5/8" OD Tubing / Drill Pipe

1.8 Drill collars - spiral / slick

Reference	Equipment description
8-1	3.3/8" OD Slick Drill Collars 22ppf 2.7/8" WT26 Connections,
8-2	4.3/4" OD Spiral Drill Collars 48ppf NC-38 / DSTJ Connections, Double Zip Grooved
8-3	4.3/4" OD x 2.1/4" ID x 48ppf x 3.1/2" Hydril PH-6, Double Zip Grooved, Spiral Type Internally Shot Blasted and Drifted to 2.1/4" ID for Well Testing
8-4	4.3/4" OD x 2.1/4" ID x 48ppf x 3.1/2" Hydril 533, Double Zip Grooved, Spiral Type Internally Shot Blasted and Drifted to 2.1/4" ID for Well Testing
8-5	5" OD Spiral Drill Collars 48ppf NC-38 / Vam EIS Connections, Double Zip Grooved
8-6	6.1/2" OD Spiral Drill Collars 92ppf NC-50 Connections, Zip Grooved
8-7	6.3/4" Spiral Drill Collars 92ppf NC-50 Connections, Zip Grooved
8-8	8" OD Spiral Drill Collars 150ppf x 6.5/8" Reg Connections, Zip Grooved
8-9	8.1/4" Spiral Drill Collars 158ppf x 6.5/8" Reg Connections, Zip Grooved
8-10	9.1/2" OD Spiral Collars 216ppf x 7.5/8" Reg Connections, Zip Grooved

1.9 Drill collars - pony (slick)

Reference	Equipment description
9-1	3.1/8" OD x 1.1/2" ID x 23ppf x 2.7/8" HT-PAC Connections
9-2	4.3/4" OD x 2.1/4" ID x 48ppf x NC38 Connections
9-3	6.1/2" OD x 2.1/2" ID x 99ppf x 4" IF Connections
9-4	6.1/2" OD x 2.13/16" ID x 92ppf x NC50 Connections
9-5	8" OD x 2.13/16" ID x 150ppf x 6.5/8" Reg Connections
9-6	8.1/4" OD x 3" ID x 158ppf x 6.5/8" Reg Connections
9-7	9.1/2" OD x 3" ID x 216ppf x 7.5/8" Reg Connections

1.10 Drill pipe

Reference	Equipment description
10-1	2.7/8" OD, Grade S-135, 10.40ppf, Range II, with 2.7/8" WT26 Connections 3 3/8" x 1 1/2" ID c/w Arnco 100XT or 300XT Hardbanding
10-2	3.1/2" OD Drill Pipe, Grade S-135, 15.50ppf, Range II, with 3.1/2" NC-38 Connections, 4.3/4" OD x 2.9/16" ID c/w Arnco 300XT Hardbanding, 5" OD x 2 9/16" ID c/w Arnco 300XT Hardbanding
10-3	3.1/2" OD Drill Pipe, Grade S-135, 15.50ppf, Range II, with 3.1/2" NC38 Vam EIS Connections, 4.3/4" OD x 2.9/16" ID c/w Arnco 300XT Hardbanding, 5" OD x 2 9/16" ID c/w Arnco 300XT Hardbanding
10-4	4" OD Drill Pipe, Grade S-135, 14.00ppf, Range II, with 4" XT39 Connections, 5" OD x 2.9/16" ID c/w Arnco 300 XT Hardbanding.
10-5	4" OD Pin Up, Grade S135, 14ppf, Range II, with 4" Vam EIS Tool Joints Pin Up, 4 7/8" OD x 2 11/16" ID c/w Arnco XT 200 Hardfacing
10-6	5" OD Drill Pipe, Grade S-135, 19.50ppf, Range II, with NC-50 Connections, 6.5/8" OD x 3.1/4" ID c/w Arnco 300XT Hardbanding
10-7	5" OD Drill Pipe, Grade S-135, 19.50ppf, Range II, with NC-50 Vam EIS Connections, 6.5/8" OD x 3.1/4" ID c/w Arnco 300XT Hardbanding
10-8	5" OD Drill Pipe, Grade S-135, 25.60ppf, Range II, with NC-50 Connections, 6.5/8" OD x 3.1/4" ID c/w Arnco XT 200 Hardfacing Landing String.
10-9	5" OD Drill Pipe, Grade V-150, 29.16ppf, Range II, with NC-50 Connections, 6-7/8" OD x 3" ID Landing String.
10-10	5" OD Drill Pipe, Grade V-150, 32.6ppf, Range II, with NC-50 Connections, 6-7/8" OD x 2 3/4" ID Landing String.
10-11	5.1/2" OD Drill Pipe, Grade S-135, 21.90ppf, Range II, with 5.1/2" DSTJ-2 Connections, 7" OD x 3.1/2" ID c/w Arnco 300XT Hardbanding
10-12	5.1/2" OD Drill Pipe, Grade S-135, 21.90ppf, Range II with 5.1/2" FH Vam EIS Connections, 7" OD x 3.1/2" ID c/w Arnco 100XT Hardbanding
10-13	5.7/8" OD Drill Pipe, Grade S-135, 23.40ppf, Range II with 5.7/8" XT57 Connections, 7" OD x 4.25" ID c/w Arnco 300XT Hardbanding
10-14	6.5/8" OD Drill Pipe, Grade S-135, 25.20ppf, Range III, with 6.5/8" FH Connections, 8" OD x 5" ID c/w Arnco 300XT Hardbanding
10-15	6.5/8" OD Drill Pipe, Grade S-135, 27.70ppf

1.11 Drill pipe - pup joints

Reference	Equipment description
11-1	2.7/8" OD, Drill Pipe Pup Joint w/ WT26 Connections
11-2	3.1/2" OD, Drill Pipe Pup Joint w/ NC38
11-3	4" OD, Drill Pipe Pup Joint w/ 4" XT39 Connections
11-4	5" OD, Drill Pipe Pup Joint w/ NC-50 Connections
11-5	5.1/2" OD, Drill Pipe Pup Joint w/ 5.1/2" DSTJ Connections
11-6	5-7/8" OD, Drill Pipe Pup Joint w/ XT57 Connections
11-7	6-5/8" OD Drill Pipe Pup Joints w/ FH Connections

1.12 Drill pipe - Heviwate

Reference	Equipment description
12-1	3.1/2" OD Heviwate 28.2ppf, NC-38 / DSTJ NC38 Vam EIS Connections c/w Arnco 300XT Hardbanding
12-2	4" OD Heviwate 28.99ppf, NC40 Vam EIS Connections c/w Arnco 300XT Hardbanding
12-3	5" OD Heviwate 50.0ppf, NC-50 / NC50 Vam EIS Connections c/w Arnco 300XT Hardbanding
12-4	5 1/2" Heviwate 55.44ppf, 5 1/2" FH DSTJ / FH Vam EIS Connections c/w Arnco 300XT Hardbanding
12-6	6.5/8" Heviwate 56.00ppf, 6.5/8" FH Connections c/w Arnco 300XT Hardbanding

1.13 Drill pipe - Spiralwate

Reference	Equipment description
13-1	3 1/2" OD Spiralwate 28.8ppf, c/w NC-38 / DSTJ Connections & Arnco 300XT Hardbanding
13-2	4" OD Spiralwate 32.7ppf, c/w HT-38 Connections & Arnco 300XT Hardbanding
13-3	5" OD Spiralwate 53.6ppf, c/w NC-50 Connections & Arnco 300XT Hardbanding
13-4	5.1/2" Spiralwate 50.7ppf, c/w 5 1/2 DSTJ Connections & Arnco 300XT Hardbanding
13-5	6.5/8" OD Spiralwate, 72.8ppf, c/w 6 5/8" FH Connections & Arnco 300XT Hardbanding

1.14 Elevator dolly - perfection links

Reference	Equipment description
14-1	DC Dolly DC Lift System c/w 2 7/8" Shank
14-2	DC Dolly DC Lift System c/w 3 1/2" Shank
14-3	DC Dolly DC Lift System c/w 5" Shank
14-4	DC Dolly DC Lift System c/w 2 7/8" Shank and Perfection Links
14-5	DC Dolly DC Lift System c/w 3 1/2" Shank and Perfection Links
14-6	DC Dolly DC Lift System c/w 5" Shank and Perfection Links

1.15 Elevators - drill pipe

Reference	Equipment description
15-1	3.1/2" Drill Pipe 250 Ton - Air Operated - Centre Latch
15-2	3.1/2" Drill Pipe 350 Ton - Air Operated - Centre Latch
15-3	3.1/2" Drill Pipe 250 Ton - Manual - Centre Latch
15-4	3.1/2" Drill Pipe 350 Ton - Manual - Centre Latch
15-5	4" Drill Pipe 250 Ton - Manual - Centre Latch
15-6	4" Drill Pipe 250 Ton - Air Operated - Centre Latch
15-7	5" Drill Pipe 350 Ton - Manual - Centre Latch
15-8	5" Drill Pipe 500 Ton - Manual - Side Door
15-9	5" Drill Pipe 350 Ton - Air Operated - Centre Latch
15-10	5.1/2" Drill Pipe 350 Ton - Manual - Centre Latch
15-11	5.1/2" Drill Pipe 500 Ton - Manual - Centre Latch
15-12	5.1/2" Drill Pipe 350 Ton - Air Operated - Centre Latch
15-13	5 7/8" Drill Pipe 350 Ton - Manual - Centre Latch
15-14	5 7/8" Drill Pipe 350 Ton - Air Operated - Centre Latch
15-15	6.5/8" Drill Pipe 350 Ton - Manual - Centre Latch
15-16	6.5/8" Drill Pipe 500 Ton - Manual - Centre Latch
15-17	6.5/8" Drill Pipe 350/500 Ton - Air Operated - Centre Latch

1.16 Elevators - single joint - type "sp" / type "j"

Reference	Equipment description
16-1	2-3/8" OD Tubing
16-2	2-7/8" OD Tubing / Drillpipe
16-3	3-1/2" OD Tubing / Drillpipe
16-4	4" OD Tubing / Drillpipe
16-5	4-1/2" OD Tubing
16-6	5" OD Casing / Tubing / Drillpipe
16-7	5-1/2" Casing / Tubing / Drillpipe
16-8	5 7/8" OD Drillpipe
16-9	6 5/8" OD Drill Pipe

1.17 Elevators - single joint - stabberless

Reference	Equipment description
17-1	3-1/2" OD Drillpipe c/w 18 Deg Taper
17-2	4" OD Drillpipe c/w 18 Deg Taper
17-3	5" OD Drillpipe c/w 18 Deg Taper
17-4	5-1/2" OD Drillpipe c/w 18 Deg Taper
17-5	5-7/8" OD Drillpipe c/w 18 Deg Taper
17-6	6-5/8" OD Drillpipe c/w 18 Deg Taper
17-7	3-1/2" OD Tubing c/w 12 Deg Taper

1.18 Elevators - square shoulder type

Reference	Equipment description
18-1	2-3/8" OD Tubing 65 TON, TA
18-2	2-3/8" OD Tubing 100 TON, TA
18-3	2-3/8" OD Tubing 125 TON, RA
18-4	2-7/8" OD Tubing 65 TON, TA
18-5	2-7/8" OD Tubing 100 TON, TA
18-6	2-7/8" OD Tubing 125 TON, RA
18-7	2-7/8" OD Tubing/Drillpipe 175 TON, MAA
18-8	3 1/8" OD Drill Collar 100 Ton TA
18-9	3 3/8" OD Drill Collar 100 Ton TA
18-10	3-1/2" OD Tubing 125 TON, RA
18-11	3-1/2" OD Tubing 175 TON, MAA
18-12	3-1/2" OD Tubing 250 TON, AA

1.19 Elevators - slip type - tubing / casing

Reference	Equipment description
19-1	LYT, 20 TONS, 1" to 2-1/16" OD One size complete
19-2	MYT, 40 TONS, 1-5/16" to 2-3/8" OD One size complete
19-3	YT, 75 TONS, 1.315" to 3-1/2" OD One size complete
19-4	YC, 75 TONS, 3-1/2" to 7" OD, One size complete
19-5	MYC, 125 TONS, 3-1/2" to 7" OD, One size complete
19-6	HYT, 150 TONS, 2-3/8" to 7" OD, One size complete
19-7	HYC, 200 TONS, 3-1/2" to 7-5/8" OD, One size complete
19-8	HYC, 200 TONS, 3-1/2" to 7-5/8" OD, Air Op, One size complete

1.20 Elevator - hydraulic "bx" type

Reference	Equipment description
20-1	Frame 1, 4-1/2" - 7" OD, dressed one size complete.
20-2	Frame 2, 9-5/8 - 14" OD, dressed one size complete.
20-3	Extra bushing supplied with bx elevators
20-4	Varco bx power pack by itself (or if not returned with bx)
20-5	Varco rotator tilt unit, complete, when used with above bx elevator
20-6	Varco rotator tilt unit, by itself less hoses and power pack.

1.21 Links - elevator

Reference	Equipment description
21-1	Set (2), 36" x 150 ton
21-2	Set (2), 96" x 350 ton
21-3	Set (2), 132" x 350 ton
21-4	Set (2), 180" x 350 ton
21-5	Set (2), 240" x 350 ton
21-6	Set (2), 360" x 350 ton
21-7	Set (2), 540" x 350 ton
21-8	Set (2), 600" x 350 ton
21-9	Set (2), 132" x 500 ton
21-10	Set (2), 180" x 500 ton
21-11	Set (2), 240" x 500 ton
21-12	Set (2), 264" x 500 ton
21-13	SET (2), 360" X 500 ton

1.22 Shoe - mule shoe design

Reference	Equipment description
22-1	All Sizes

1.23 Slips - rotary hand

Reference	Equipment description
23-1	1.66" OD Tubing
23-2	1.9" OD Tubing
23-3	2-3/8" OD Tubing and Drillpipe
23-4	2-7/8" OD Tubing and Drillpipe
23-5	3-1/2" OD Tubing and Drillpipe
23-6	4" OD Drillpipe
23-7	4-1/2" OD Tubing and Drillpipe
23-8	5" OD Drillpipe
23-9	5-1/2" OD Drillpipe.
23-10	5 7/8" OD Drillpipe
23-11	6-5/8" OD Drillpipe

1.24 Slips - drill collar

Reference	Equipment description
24-1	3.1/8" OD Drill Collars
24-2	4.3/4" OD Drill Collars
24-3	6.1/2" OD Drill Collars
24-4	8" OD Drill Collars
24-5	8.1/4" OD Drill Collars
24-6	9.1/2" OD Drill Collars
24-7	11" OD Drill Collars

1.25 Slips - bowl

Reference	Equipment description
25-1	1.66" - 5.1/2" 100 Ton One Size Only
25-2	2-3/8" - 8-5/8" 150 Ton One Size Only
25-3	1 SET, Varco No 1 Insert Bowls excl. Slips - 13-3/8" > 11-3/4"
25-4	1 SET OF Varco No 2 Insert Bowls excl. Slips - 10-3/4" > 9-5/8"
25-5	1 SET OF Varco No 3 Insert Bowls excl. Slips - < 8-5/8"
25-6	1 SET OF Varco No 3 Insert Bowls with Cable Slots
25-7	1 SET 2 Leg Bushing Pullers
25-8	1 SET 4 Leg Bushing Pullers

1.26 Slips - power

Reference	Equipment description
26-1	PS16's 3-1/2" – 6-5/8"

1.27 Stripping stand

Reference	Equipment description
27-1	To Fit Up to 7" OD Stripping Stand

1.28 Spinning wrench

Reference	Equipment description
L28-1	Varco SSW40 Air Operated (3 1/2" - 9 1/2")
L28-2	Varco SSW40 Air Operated (3 1/2" - 9 1/2")

1.29 Stabbing guides

Reference	Equipment description
29-1	1.1/4" - 3.1/2" Tubing and Drill Pipe
29-2	4" - 5 7/8" Stab In Guides
29-3	6.5/8" Drill Pipe

1.30 Subs - bullnose / jet

Reference	Equipment description
30-1	Thru 2 7/8" OD Connection
30-2	Thru 3.1/2" OD Connection Steel End
30-3	Thru 4.1/2" OD Connection Steel End
30-4	Thru 4.1/2" OD Connection Rubber End
30-5	Thru 6 5/8" OD Connection Rubber End
30-6	Thru 7 5/8" OD Connection Rubber End

1.31 Subs - bit

Reference	Equipment description
31-1	Thru 2.3/8" OD Connection
31-2	Thru 2.7/8" OD Connection
31-3	Thru 3.1/2" OD Connection
31-4	Thru 4.1/2" OD Connection
31-5	Thru 6.5/8" OD Connection
31-6	Thru 7.5/8" OD Connection
31-7	Thru 8.5/8" OD Connection

1.32 Subs - lifting - 18 degree taper

Reference	Equipment description
32-1	Thru 2.7/8" OD Connection
32-2	Thru 3.1/2" OD Connection
32-3	Thru 4.1/2" OD Connection
32-4	Thru 5.1/2" OD Connection
32-5	Thru 6.5/8" OD Connection
32-6	Thru 7.5/8" OD Connection

1.33 Subs - lift nubbins (square shoulder)

Reference	Equipment description
33-1	Thru 1.1/4" Tubing Connection
33-2	Thru 2.3/8" Tubing Connection
33-3	Thru 2.3/8" Drill Pipe /Tubing Connection
33-4	Thru 2.7/8" Drill Pipe / Tubing Connection
33-5	Thru 3.1/2" Tubing Connection
33-6	Thru 4.1/2" Tubing Connection
33-7	Thru 5" Tubing Connection

1.34 Subs – lifting protector / bail type

Reference	Equipment description
34-1	For 2 7/8" HT- PAC Pin or Box
34-2	For 3.1/2" Reg./ NC-38 / Vam EIS Pin or Box
34-3	For 4" HT-38 Pin or Box
34-4	For 4" NC-40 Vam EIS Pin or Box
34-5	For 4.1/2" Reg. Pin or Box
34-6	For 4.1/2" NC-50 Pin or Box
34-7	For 5.1/2" FH or DSTJ Pin or Box
34-8	For 5 7/8" VX57 Pin or Box
34-9	For 6.5/8" FH Pin or Box
34-10	For 6.5/8" Reg. Pin or Box
34-11	For 7.5/8" Reg. Pin or Box

1.35 Subs - float

Reference	Equipment description
35-1	2 3/8" Connections
35-2	2 7/8" Connections
35-3	3 1/2" Connections
35-4	NC-50 Connections
35-5	5 1/2" Connections
35-6	5 7/8" Connections
35-7	6 5/8" Connections
35-8	7 5/8" Connections

1.36 Subs - premium threaded connections

Reference	Equipment description
36-1	For 2 7/8" WT26 Pin or Box
36-2	For 3.1/2" Reg./ NC-38 / Vam EIS Pin or Box
36-3	For 4" HT-38 Pin or Box
36-4	For 4" XT39 Vam EIS Pin or Box
36.5	For 4.1/2" Reg. Pin or Box
36-6	For 4.1/2" NC-50 Pin or Box
36-7	For 5.1/2" FH or DSTJ Pin or Box
36-8	For 5 7/8" VX57 Pin or Box
36-9	For 6.5/8" FH Pin or Box
36-10	For 6.5/8" Reg. Pin or Box
36-11	For 7.5/8" Reg. Pin or Box

Other sizes or configurations may be available on request

1.37 Subs - top drive saver

Reference	Equipment description
37-1	Top Drive Saver Subs Can be Manufactured and will be Sale Items

1.38 Subs - pump in

Reference	Equipment description
38-1	1 1/4" Connection by 2" 1502 Weco
38-2	1 1/2" Connection by 2" 1502 Weco
38-3	2 3/8" Connection by 2" 1502 Weco
38-4	2 7/8" Connection by 2" 1502 Weco
38-5	3 1/2" Connection by 2" 1502 Weco
38-6	4" Connection by 2" 1502 Weco
38-7	4 1/2" Connection by 2" 1502 Weco
38-8	5" Connection by 2" 1502 Weco
38-9	5 1/2" Connection by 2" 1502 Weco
38-10	5 7/8" Connection by 2" 1502 Weco
38-11	6 5/8" Connection by 2" 1502 Weco

1.39 Subs - pump In side entry

Reference	Equipment description
39-1	1 1/4" Connections by 2" 1502 Weco Side Entry
39-2	1 1/2" Connections by 2" 1502 Weco Side Entry
39-3	2 3/8" Connections by 2" 1502 Weco Side Entry
39-4	2 7/8" Connections by 2" 1502 Weco Side Entry
39-5	3 1/2" Connections by 2" 1502 Weco Side Entry
39-6	4" Connections by 2" 1502 Weco Side Entry
39-7	4 1/2" Connections by 2" 1502 Weco Side Entry
39-8	5" Connections by 2" 1502 Weco Side Entry
39-9	5 1/2" Connections by 2" 1502 Weco Side Entry
39-10	5 7/8" Connections by 2" 1502 Weco Side Entry
39-11	6 5/8" Connections by 2" 1502 Weco Side Entry

1.40 Subs – Crossover (Pin x Box, Pin x Pin, Box x Box)

Reference	Equipment description
40-1	2 3/8" x Smaller Connection
40-2	2 7/8" x Smaller Connection
40-3	3 1/2" x Smaller Connection
40-4	NC-50 x Smaller Connection
40-5	5 1/2" x Smaller Connection
40-6	5 7/8" x Smaller Connection
40-7	6 5/8" x Smaller Connection
40-8	7 5/8" x Smaller Connection
40-9	8 5/8" x Smaller Connection

1.41 Tongs - manual

Reference	Equipment description
41-1	Kelco K25 for Tubing, 2,000 ft/lb. (1.66" - 1.900" OD)
41-2	Kelco K30 for Tubing, 5,000 ft/lb. (2.3/8" - 3.1/2" OD)
41-3	Type HT-14 for Tubing / Drill Pipe 14,000 ft/lbs (2 3/8 - 7")
41-4	Type F for Tubing, 25,000 ft/lb. (2.3/8" - 7" OD)
41-5	Type C or HT-35 for Tubing/Drillpipe/Casing, 35,000 ft/lb. (2.3/8" - 10.3/4" O D)
41-6	Type B or HT-55 for Casing/Collars, 30,000/55,000 ft/lb. (3-1/2"-11.3/4" OD)
41-7	Type DB or HT-65 for Casing/Collars, 30,000/65,000 ft/lb. (3-1/2"- 17" OD)
41-8	Type SDD or HT-100 for Drill Collars/Drillpipe, 60,000/100,000 ft/lb.(4." - 8" OD)
41-9	Type SDD or HT-100 for Drill Collars/Drillpipe, 60,000/100,000 ft/lb. (4-1/2" - 17" OD)
41-10	Type SXD or HT-200 for Drill Collars/Drillpipe, 200,000 ft/lb. (4-1/2" - 17" OD)
41-11	Tong jaws (per set) supplied as stand-alone item

1.42 Tubing

Reference	Equipment description
42-1	1.66" OD, Grade N-80, 3.02ppf, Range II, with Hydril CS Connections
42-2	2.3/8" OD, Grade L-80, 5.95ppf, Range II, with Hydril PH-6 Connections
42-3	2.3/8" OD, Grade N-80, 4.70 ppf, Range II, with EUE Connections
42-4	2.7/8" OD, Grade N-80, 6.5 ppf, Range II, with EUE Connections
42-5	2.7/8" OD, Grade L-80, 8.70ppf, Range II, with Hydril PH6 Connections
42-6	2.7/8" OD, Grade K-110 SS, 9.5ppf, Range II, with Hydril 533 Connections
42-7	2.7/8" OD, Grade P-110, 8.7ppf, Range II, with Hydril 533 Connections
42-8	3.1/2" OD, Grade L-80, 12.95ppf, Range II, with Hydril PH-6 Connections
42-9	3.1/2" OD, Grade L-80, 12.95ppf, Range II, with Hydril 533 Connections. Sour Service Test String
42-10	3.1/2" OD, Grade AC110ss, 12.95ppf. Range II, with Hydril H533 Connections. Sour Service Test String
42-11	3.1/2" OD, Grade AC-95, 15.80ppf, Range II, with Hydril PH-6 Connections
42-12	3.1/2" OD, Grade NT-95 HSS, 15.80ppf, Range II, with Hydril PH-6 Connections
42-13	3.1/2" OD, Grade L-80, 15.80ppf, Range II, with Hydril PH-6 Connections
42-14	4.1/2" OD, Grade T95, 15.50ppf, Range II, with Hydril PH-6 Connections. Sour Service Test String
42-15	4.1/2" OD, Grade AC-95, 15.50ppf, Range II, with Hydril PH-6 Connections
42-16	4.1/2" OD, Grade L80, 17ppf, Range II, with Hydril PH-6 Connections. Sour Service Test String
42-17	4.1/2" OD, Grade NT-95-HSS, 24.00ppf, Range II, with Hydril PH-4 Connections. DST Landing String.

1.43 Tubing pup joints

Reference	Equipment description
43-1	When rented with Archer Tubing (all sizes)

1.44 Valve - lower kelly - drill pipe

Reference	Equipment description
44-1	4.1/8" OD x 2.7/8" WT26 Connections 10,000 PSI Working Pressure
44-2	5.3/8" OD x NC-38 Connections 10,000 PSI Working Pressure
44-3	5.3/8" OD x NC-3815,000 PSI Working Pressure
44-4	5" OD x 4" XT39 Connections 15,000 PSI Working Pressure
44-5	6.5/8" OD x NC-50 Connections 10,000 PSI Working Pressure
44-6	6.5/8" OD x NC-50 Connections 15,000 PSI Working Pressure
44-7	7.3/8" OD x 5.1/2" FH / DSTJ Connections 10,000 PSI Working Pressure
44-8	7.3/8" OD x 5.1/2" FH / DSTJ Connections 15,000 PSI Working Pressure
44-9	7.3/8" OD x 5.1/2" HT-55 Hi-Torque Connections 15,000 PSI Working Pressure
44-10	7.3/8" OD x 5.7/8" XT57 Hi-Torque Connections 15,000 PSI Working Pressure
44-11	8" OD x 6.5/8" FH Connections 10,000 PSI Working Pressure

1.45 Valve - Hydril type drop in check valve

Reference	Equipment description
45-1	NC38 Drop in Dart Sub c/w No: 27 / No: 35 Dart * Retrieving Tool
45-2	NC38 Vam EIS Drop In Dart Sub c/w No: 4 Dart & Retrieving Tool
45-3	NC40 Vam EIS Drop in Dart Sub c/w No: 4 Dart & Retrieving Tool
45-4	NC50 Drop in Dart Sub c/w No: 43 / No: 48 Dart & Retrieving Tool
45-5	NC50 Vam EIS Drop in Dart Sub c/w No: 7 Dart & Retrieving Tool
45-6	5-1/2" FH/DSTJ Drop in Dart Sub c/w No: 48 Dart & Retrieving Tool
45-7	5-1/2" Drop in Dart Sub c/w No: 6 / NO: 7 Dart & Retrieving Tool
45-8	5-7/8" VX57 Drop in Dart Sub c/w NO: 7 Dart & Retrieving Tool
45-9	6-5/8" Reg Drop in Dart Sub c/w No: 48 Dart & Retrieving Tool

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