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Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

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Prices are subject to change without notice.  
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**BOWL, API NO 3**

SNB-BOWL-N03      Insert Bowl No.3, API - 8 5/8" & smaller  
 For 37 1/2" MPCH Master Bushing, with  
 5 1/2" wide x 1" deep machined groove for hyd. lines

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**BREAK OUT GUIDES, FOR DRILLPIPE**

BRE-GUID-WT26	For WT26 drillpipe	3 1/2" OD tool joint
BRE-GUID-WT38	For WT38 drillpipe	5" OD tool joint
BRE-GUID-WT50	For WT50 drillpipe	6 5/8" OD tool joint
	Plus inspection	

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**BULLNOSE**

BUL-NOSE-23P6	2 1/2" OD	2 3/8" PH-6 box
BUL-NOSE-WT23	3 1/8" OD	WT23 box
BUL-NOSE-27P6	3 1/2" OD	2 7/8" TS-6/PH-6 w/nozzles
BUL-NOSE-27EU	4" OD	2 7/8" EUE box
BUL-NOSE-NC38VE	5" OD	NC38 VAM EIS box / Open end 2 13/32" ID
BUL-NOSE-NC50VE	6 5/8" OD	NC50 VAM EIS box / Open end 3 3/16" ID
BUL-NOSE-400FEMALE	7" OD	3 1/2" ID 206 female connection
BUL-NOSE-512FH	7" OD	5 1/2" FH box / Open end 3 1/2" ID
	Plus inspection	

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**BUSHING, MASTER**

MIS-MAS-4912      Master Bushing Type VARCO / BJ MPCH  
 for 49 1/2" EMSCO Rotary Table, 49 1/2" MPCH  
 Modified with slot for Cables/Hyd. lines  
 (Slot dim.: 5,7" width X 5,3" depth)  
 Safe Working Load: 300 tonnes

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**BUSHING, FOR BX FRAME 4**

BX4-BUSH-0278	2 7/8" TUBING BUSHING
BX4-BUSH-0312	3 1/2" TUBING BUSHING
BX4-BUSH-0412	4 1/2" CASING BUSHING
BX4-BUSH-0500	5" CASING BUSHING
BX4-BUSH-DP278	2 7/8" IU DRILLPIPE BUSHING
BX4-BUSH-DP312	3 1/2" IU DRILLPIPE BUSHING
BX4-BUSH-DP400	4" IU DRILLPIPE BUSHING
BX4-BUSH-DP658	6 5/8" IU DRILLPIPE BUSHING
	Inspection to API included.

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**CIRCULATING SUBS**

	(with sleeve & ball)
CIR-0318-WT23	3 1/8" OD with WT23 connection
CIR-0434-NC38	4 3/4" OD with NC38 connection
CIR-0612-NC50	6 1/2" OD with NC50 connection

With spare kit (sale if used and/or not returned) Inspection to API included

Service charge: Used / Unused

**CLAMPS, MULTI-PURPOSE**

	(Complete one size)		
CLA-TYPT-0000	1 1/8" - 2"	AOT	Type T
CLA-TYPT-0000	2 1/8" - 3 1/4"	AOT	Type T
CLA-TYPT-0000	3 1/4" - 4 1/2"	AOT	Type T
CLA-TYPC-0000	3 3/4" - 4 5/8"	AOT	Type C
CLA-TYPC-0000	4 1/2" - 5 5/8"	AOT	Type C
CLA-TYPC-0000	5 1/2" - 6 5/8"	AOT	Type C
CLA-TYPC-0000	6 1/2" - 7 5/8"	AOT	Type C
CLA-TYPC-0000	7 1/2" - 8 5/8"	AOT	Type C
CLA-TYPC-0000	8 1/2" - 9 5/8"	AOT	Type C
CLA-TYPC-0000	9 1/2" - 10 5/8"	AOT	Type C
CLA-TYPC-0000	10 1/2" - 11 5/8"	AOT	Type C
CLA-TYPC-0000	11 1/2" - 12 5/8"	AOT	Type C
CLA-TYPC-0000	12 1/2" - 13 5/8"	AOT	Type C
CLA-TYPC-0000	13 1/2" - 14 5/8"	AOT	Type C
CLA-TYPC-0000	14 1/2" - 15 5/8"	AOT	Type C
CLA-MP00-0000	4 1/2" - 5 5/8"	VARCO	Type MP-R
CLA-MP00-0000	5 1/2" - 7"	VARCO	Type MP-R
CLA-MP00-0000	6 3/4" - 8 1/4"	VARCO	Type MP-R
CLA-MP00-0000	8" - 9 1/4"	VARCO	Type MP-R
CLA-MP00-0000	9 1/4" - 10 1/2"	VARCO	Type MP-R
CLA-MP00-0000	10 1/2" - 11 1/2"	VARCO	Type MP-M
CLA-MP00-0000	11 1/2" - 12 1/2"	VARCO	Type MP-M
CLA-MP00-0000	12 1/2" - 13 5/8"	VARCO	Type MP-M
CLA-MP00-0000	13 5/8" - 14 3/4"	VARCO	Type MP-M
CLA-MP00-0000	14 3/4" - 15 7/8"	VARCO	Type MP-M
CLA-MP00-0000	15 7/8" - 17"	VARCO	Type MP-L
CLA-MP00-0000	17" - 18 1/2"	VARCO	Type MP-L
CLA-MP00-0000	18 1/8" - 19 3/8"	VARCO	Type MP-L
CLA-MP00-0000	19 3/8" - 20 3/8"	VARCO	Type MP-XL
CLA-MP00-0000	20 3/8" - 21 1/2"	VARCO	Type MP-XL
CLA-MP00-0000	21" - 22 5/8"	VARCO	Type MP-XL
CLA-MP00-0000	22 5/8" - 23 3/4"	VARCO	Type MP-XL
CLA-MP00-0000	23 3/4" - 24 7/8"	VARCO	Type MP-XL

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

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CLA-MP00-0000	24 7/8" - 26"	VARCO Type MP-XL
CLA-MP00-0000	26" - 27 1/8"	VARCO Type MP-XL
CLA-MP00-0000	29 3/8" - 30 1/2"	VARCO Type MP-XL
CLA-MP00-0000	36"	VARCO Type MP-XL

Other sizes, price on request.  
 Inspection to API included.

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## CONDUCTOR SUPPORT FRAME

CON-SUPP-FRAM	Conductor Support Frame up to 30" casing complete w/hydraulic jacks
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## DRIFTS

(Standard API length and diameter)			
DRI-5796-658C	For 6 5/8" OD casing	24.0 lb/ft.	5.796 OD
DRI-5924-658C	For 6 5/8" OD casing	20.0 lb/ft.	5.924 OD
DRI-1625-312D	For 3 1/2" OD drillcollar		1.625" OD
DRI-0218-434C	For 4 3/4" OD drillcollar		2 1/8" OD
DRI-1375-278D	For 2 7/8" OD drillpipe	10.4 lb/ft.	1.375" OD
DRI-3375-512D	For 5 1/2" OD drillpipe		3.375" OD
DRI-4375-512D	For 5 1/2" OD drillpipe		4.375" OD
DRI-3125-512H	For 5 1/2" OD HWDP		3.125" OD
DRI-3875-512H	For 5 1/2" OD HWDP		3.875" OD
DRI-1184-114T	For 1 1/4" OD tubing	3.02 lb/ft.	1.184" OD
DRI-1773-238T	For 2 3/8" OD tubing	5.95 lb/ft.	1.773" OD
DRI-1759-258T	For 2 5/8" OD tubing	6.85 lb/ft.	1.759" OD
DRI-2347-278T	For 2 7/8" OD tubing	6.5 lb/ft.	2.347" OD
DRI-2165-278T	For 2 7/8" OD tubing	8.7 lb/ft.	2.165" OD
DRI-2625-312T	For 3 1/2" OD tubing	12.95 lb/ft.	2.625" OD
DRI-2423-312T	For 3 1/2" OD tubing	15.8 lb/ft.	2.423" OD
DRI-3423-400T	For 4" OD tubing	9.5 lb/ft.	3.423" OD
DRI-3833-412T	For 4 1/2" OD tubing	12.6 lb/ft.	3.833" OD
DRI-3701-412T	For 4 1/2" OD tubing	15.5 lb/ft.	3.701" OD
DRI-3255-412T	For 4 1/2" OD tubing	23.7 lb/ft.	3.255" OD
DRI-3115-412T	For 4 1/2" OD tubing	26.1 lb/ft.	3.115" OD
DRI-4283-500T	For 5" OD tubing	15.0 lb/ft.	4.283" OD
DRI-3919-500T	For 5" OD tubing	23.2 lb/ft.	3.919" OD
DRI-5666-658T	For 6 5/8" OD tubing	28.0 lb/ft.	5.666" OD
DRI-0214-RABB	2 1/4" OD x 12" long – Rabbit		
DRI-0212-RABB	2 1/2" OD x 12" long – Rabbit		
DRI-0218-RABB	2 1/8" OD x 12" long – Rabbit		
DRI-0234-RABB	2 3/4" OD x 12" long – Rabbit		
DRI-0300-RABB	3" OD x 12" long – Rabbit		
DRI-0312-RABB	3 1/2" OD x 12" long – Rabbit		
DRI-0314-RABB	3 1/4" OD x 12" long – Rabbit		

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

DRI-0334-RABB 3 3/4" OD x 12" long – Rabbit

### DRILLCOLLARS, SPIRAL

DCS-0318-WT23	w/slip & elevator recess, (except 3 1/8" & 3 1/2" OD) 3 1/8" OD x 1 1/2" ID, WT23 connection (slick)
DCS-0318-0H2S	3 1/8" OD x 1 1/2" ID, 2 7/8" HT PAC connection H2S service (slick)
DCS-0312-WT26	3 1/2" OD x 1 3/4" ID, WT26 connection (slick)
DCS-0434-NC38	4 3/4" OD x 2 1/4" ID, NC38 connection
DCS-0434-0H2S	4 3/4" OD x 2 1/4" ID, NC38 connection H2S service
DCS-0612-NC50	6 1/2" OD x 2 13/16" ID, NC50 connection c/w 5" OD elevator recess for 18 degree elevator
DCS-0634-NC50	6 3/4" OD x 3" ID, NC50 connection
DCS-0658-NC50	6 5/8" OD x 2 13/16" ID, NC50 connection (slick)
DCS-0800-0658	8" OD x 2 13/16" ID, 6 5/8" REG connection
DCS-0912-0758	9 1/2" OD x 3" ID, 7 5/8" REG connection
	Plus inspection to NS-2, (if not quoted differently)

### DRILLPIPE

(All drillpipe internally plastic coated)

Hardfacing,  
box tool joint

DPF-0278-WT23	2 7/8" OD, grade S-135, 10,4 lb/ft. Range 2, w/3 1/8" OD x 1 1/2" ID tool joints, /Arnco 200 XT WT23 connection	None
DPF-0278-0H2S	2 7/8" OD, grade VM-105 SS 10,4 lb/ft. Range 2, w/3 1/2" OD x 1 3/4" ID tool joints, 2 7/8" HT PAC connection, H2S service	Arnco 300 XT
DPF-0278-WT26	2 7/8" OD, grade S-135, 10,4 lb/ft. Range 2, w/3 1/2" OD x 1 3/4" ID tool joints, WT26 connection	None
DPF-0312-VAEI	3 1/2" OD, grade S-135, 15,5 lb/ft. Range 2, w/5" OD x 2 7/16" ID tool joints, NC38 VAM EIS connection.	Arnco 100 XT
DPF-0312-0H2S	3 1/2" OD, grade VM-105 SS, 15,5 lb/ft. Range 2, w/4 3/4" OD x 2 7/16" ID tool joints, NC38 VAM EIS connection, H2S service	Arnco 300 XT
DPF-0400-VX39	4" OD, grade S-135, 14,0 lb/ft. Range 2, w/5" OD x 2 9/16" ID tool joints, VX39 connection	Tuboscope TCS Titanium
DPF-0400-TT39	4" OD, grade S-135, 14,0 lb/ft. Range 2, w/5" OD x 2 9/16" ID tool joints, TurboTorque – TT390 connection	Tuboscope TCS Titanium

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

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DPF-0500-VAEI	5" OD, grade S-135, 19,5 lb/ft. Range 2, w/6 5/8" OD x 3 1/4" ID tool joints, NC50 VAM EIS connection.	Tuboscope TCS titanium
DPF-0500-DS50	5" OD, grade S-135, 19,5 lb/ft. Range 2, w/6 5/8" OD x 3 1/4" ID tool joints, DS50 connection.	Duraband NC
DPF-0500-WT50	5" OD, grade S-135, 19,5 lb/ft. Range 2, w/6 5/8" OD x 3 5/8" ID tool joints, WT50 connection	Arnco 200 XT
DPF-0501-NC50	5" OD, grade V-150, 32,6 lb/ft. Range 2, w/6 5/8" OD x 3" ID tool joints, NC50 connection.	Tuboscope TCS titanium
DPF-0512-VA4ID	5 1/2" OD, grade S-135, 21,9 lb/ft. Range 2, w/7" OD x 4" ID tool joints, 5 1/2" FH VAM EIS connection	Arnco 100 XT
DPF-0512-VAEI	5 1/2" OD, grade S-135, 21,9 lb/ft. Range 2, w/7" OD x 3 1/2" ID tool joints, 5 1/2"FH VAM EIS connection	Tuboscope TCS titanium

Plus inspection to NS-2 (if not quoted differently)

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#### DRILLPIPE PUP JOINTS

DPP-0278-WT26	2 7/8" OD	WT26 connection
DPP-0312-VAEI	3 1/2" OD	NC38 VAM EIS connection
DPP-0400-WT38	4"OD	WT38 connection
DPP-0500-VAEI	5" OD	NC50 VAM EIS connection
DPP-0500-WT50	5" OD	WT50 connection
DPP-0512-HT55	5 1/2" OD	HT55-375 connection
DPP-0512-VAEI	5 1/2" OD	5 1/2" FH VAM EIS connection
DPP-0512-WT56	5 1/2" OD	WT56 connection

Plus inspection to NS-2 (if not quoted differently)

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#### DRILLPIPE LANDING STRING AND PUP JOINTS

(Internally plastic coated) Hardfacing, box tool joint.

DPL-0500-NC50	5" OD, grade V-150, 32,6 lb/ft. R-2, w/6 5/8" OD x 3" ID tool joints, NC50 connection	None
DPL-P500-NC50	5"OD pup joints, as above, 32,6 lb/ft. NC50 connection, 2.4 m / 3.6 m / 4.5 m	None
DPL-0512-DS55	5 1/2"OD, grade S-135, R-2, 38,05 lb/ft. R-2, w/7 1/2" OD x 3 1/4" ID tool joints GPDS55 connection	None

Plus inspection to NS-2 (if not quoted differently)

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

**DRILLPIPE / TUBING, MULE SHOES/DIVERTER SUBS**

DPM-DIVE-NC38	Drillpipe diverter sub with NC38 connection
DPM-DIVE-278P	Diverter sub, 2 7/8" TS-6 connection
DPM-DIVE-312P	Tubing diverter sub with 3 1/2" PH6 connection
DPM-DIVE-412	Diverter sub, 4 1/2" 563 connection
DPM-DIVE-VX39	Diverter sub, VX39 connection
DPM-MULS-WT23	Drillpipe mule shoe with WT23 connection
DPM-MULS-WT26	Muleshoe, WT26 box connection
DPM-MULS-NC38	Drillpipe mule shoe with NC38 connection
DPM-MULS-NC38VA	Drillpipe mule shoe with NC38 VAMEIS box connection
DPM-MULS-NC50	Drillpipe mule shoe with NC50 connection
Plus inspection	

**DROP-IN CHECK VALVE, RETRIEVABLE TYPE**

DRO-NC38-15CV	With NC38 connection	15 000	psi w.p.
DRO-NC38-15KW	With NC38 connection	15 000	psi w.p.
DRO-NC38-15RT	With NC38 connection	15 000	psi w.p.
DRO-NC38-VAEI	With NC38 VAM EIS connection	15 000	psi w.p.
DRO-VX39-15KW	With VX39 connection	15 000	psi w.p.
DRO-TT39-15KW	With TT39 connection	15 000	psi w.p.
DRO-NC50-15KW	With NC50 connection	15 000	psi w.p.
DRO-NC50-VAEI	With NC50 VAM EIS connection	15 000	psi w.p.
DRO-512F-VAEI	With 5 1/2" FH VAM EIS connection	15 000	psi w.p.
DRO-65FH-10KW	With 6 5/8" FH connection	10 000	psi w.p.
DRO-DS50-15CV	With DS50 connection	15 000	psi w.p.
DRO-DS50-15RT	With DS50 connection	15 000	psi w.p.
DRO-DS50-15KW	With DS50 connection	15 000	psi w.p.
Service charge, incl. seal kit: Additional parts at cost + 10% Inspection to API included.			

**ELEVATOR LINKS**

ELI-0036-0080	(set of 2) 1 3/4" x 36"	3 ft.	80 ton
ELI-0180-0350	2 3/4" x 180"	15 ft.	350 ton
ELI-0540-0350	2 3/4" x 540"	45 ft.	350 ton
ELI-0600-0350	2 3/4" x 600"	50 ft.	350 ton
ELI-0180-0500	3 1/2" x 180"	15 ft.	500 ton
ELI-0240-0500	3 1/2" x 240"	20 ft.	500 ton
Plus inspection			

Prices are subject to change without notice.  
 Other rates may be quoted based on quantity and/or rental period.



**ELEVATORS, DRILLCOLLAR, AIR-OPERATED**

EAO-DCEL-0434	For 4 3/4" OD	Zip grooved	Centre latch
Inspection to API included.			

**ELEVATORS, DRILLCOLLAR, MANUAL**

EMA-DCEL-4315	For 4 3/4" OD	Zip grooved	Centre latch
EMA-DCEL-8015	For 8" OD	Zip grooved	Side door
EMA-DCEL-9115	For 9 1/2" OD	Zip grooved	Side door
Inspection to API included.			

**ELEVATORS, DRILLPIPE, AIR-OPERATED**

EAO-DPEL-3125	For 3 1/2" OD, 18° taper tool joint	250 ton	Centre latch
EAO-DPEL-4025	For 4" OD, 18° taper tool joint	250 ton	Centre latch
EAO-DPEL-5035	For 5" OD, 18° taper tool joint	350 ton	Centre latch
EAO-DPEL-5135	For 5 1/2" OD, 18° taper tool joint	350 ton	Centre latch
EAO-DPEL-5150	For 5 1/2" OD, 18° taper tool joint	500 ton	Centre latch
Inspection to API included.			

**ELEVATORS, DRILLPIPE, AIR-OPERATED**

EAO-VESA-CL35	Elevator - One size complete For 2 3/8" - 7" OD - 350 ton	Type VES-ACL	
	Extra Bushings	If supplied w/elevator	If supplied alone
EAO-BUSH-278D	Bushing for 2 7/8" IU drillpipe 18° Taper tool joint		
EAO-BUSH-312D	Bushing for 3 1/2" EU drillpipe 18° Taper tool joint		
EAO-BUSH-400D	Bushing for 4" IU drillpipe 18° Taper tool joint		
EAO-BUSH-500D	Bushing for 5" IEU drillpipe 18° Taper tool joint		
EAO-BUSH-512D	Bushing for 5 1/2" IEU drillpipe 18° Taper tool joint		
Inspection to API included.			

**ELEVATORS, DRILLPIPE, MANUAL**

EMA-DPEL-2715	For 2 7/8" OD, 18° taper tool joint,	150 ton	Centre latch
EMA-DPEL-4025	For 3 1/2" and 4" OD, 18° taper tool joint,	250 ton	Centre latch
EMA-DPEL-5035	For 5" OD, 18° taper tool joint,	350 ton	Centre latch
EMA-DPEL-5051	For 5" OD, 18° taper tool joint,	450 ton	Side door
EMA-DPEL-5135	For 5 1/2" OD, 18° taper tool joint,	350 ton	Centre latch
EMA-DPEL-5150	For 5 1/2" OD, 18° taper tool joint,	500 ton	Centre latch
EMA-DPEL-5735	For 5 7/8" OD, 18° taper tool joint,	350 ton	Centre latch

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

EMA-DPEL-6535 For 6 5/8" OD, 18° taper tool joint, 350 ton Centre latch  
 Inspection to API included.

### ELEVATORS, HYDRAULIC, SLIP TYPE

EHY-SLTY-0BXS Varco BJ Type BXS, 350 ton capacity  
 Range: 2 3/8"-7 5/8", dressed one size

SLI-ASSY-0BXS Slip assy, if supplied extra with elevator or by itself  
 3 1/2" – 2 7/8"  
 SLI-ASSY-0BXS 4 1/2" – 3 1/2"

Inspection/service charge after use, recharged at doc. cost + 10%

### ELEVATORS, SIDE DOOR

EMA-TBSD-2710	For 2 7/8" OD tubing	100 ton
EMA-TBSD-3110	For 3 1/2" OD tubing	100 ton
EMA-CASD-4110	For 4 1/2" OD casing	100 ton
EMA-CASD-5015	For 5" OD casing	150 ton
EMA-CASD-0512	For 5 1/2" OD casing	150 ton
EMA-CASD-6515	For 6 5/8" OD casing	150 ton
EMA-CASD-7015	For 7" OD casing	150 ton
EMA-CASD-9515	For 9 5/8" OD casing	150 ton
EMA-CASD-1825	For 18 5/8" OD casing	250 ton

For other sizes, price on request  
 Inspection to API included.

### ELEVATORS, SINGLE JOINT, "TYPE SJ"

EMA-SJEL-0238	For 2 3/8" OD tubing	2,5 / 5 ton
EMA-SJEL-0278	For 2 7/8" OD tubing	2,5 / 5 ton
EMA-SJEL-0312	For 3 1/2" OD tubing	2,5 / 5 ton
EMA-SJEL-0412	For 4 1/2" OD casing/tubing	2,5 / 5 ton
EMA-SJEL-0500	For 5" OD casing/tubing	5 ton
EMA-SJEL-0512	For 5 1/2" OD casing/tubing	5 ton
EMA-SJEL-0658	For 6 5/8" OD casing	5 ton
EMA-SJEL-0700	For 7" OD casing	5 ton
EMA-SJEL-0958	For 9 5/8" OD casing	5 ton
EMA-SJEL-1014	For 10 1/4" OD casing	5 ton

CHA-SLIN-ASSY 2 - leg chainsling & swivel Must be ordered separately

For other sizes, price on request  
 Inspection to API included.

### ELEVATORS, SINGLE JOINT, "TYPE SP"

EMA-SPEL-T238	For 2 3/8" OD tubing	2,5 / 5 ton	12°
EMA-SPEL-T278	For 2 7/8" OD tubing	2,5 / 5 ton	12°
EMA-SPEL-D312	For 3 1/2" OD drillpipe	5 ton	18°

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

EMA-SPEL-T312	For 3 1/2" OD	tubing	2,5 / 5 ton	12°
EMA-SPEL-D400	For 4" OD	drillpipe	5 ton	18°
EMA-SPEL-T412	For 4 1/2" OD	tubing	2,5 / 5 ton	12°
EMA-SPEL-D500	For 5" OD	drillpipe	5 ton	18°
EMA-SPEL-D512	For 5 1/2" OD	drillpipe	5 ton	18°

CHA-SLIN-ASSY 2 - leg chainsling & swivel Must be ordered separately

For other sizes, price on request  
 Inspection to API included.

### ELEVATORS, SLIP TYPE, TUBING & CASING AIR-OPERATED

EAO-SLTY-HY20	Elevator - One size complete For 2 7/8" - 7 5/8" OD	Type HYC	200 ton
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Slip assy, if supplied extra with elevator or by itself

SLI-ASSY-0HYC	3 1/2" - 2 7/8"
SLI-ASSY-0HYC	4 1/2" - 3 1/2"
SLI-ASSY-0HYC	5 1/2" - 4 1/2"
SLI-ASSY-0HYC	7" - 6 5/8"

Inspection to API included.

### ELEVATORS, SLIP TYPE, TUBING & CASING, MANUAL

EMA-SLTY-00YT	Elevator - One size complete For 1.315" - 3 1/2" OD	Type YT 75 ton
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Slip assy, if supplied extra with elevator or by itself

SLI-ASSY-00YT	2 7/8" - 1.315"
SLI-ASSY-00YT	3 1/2" - 2 7/8"

EMA-SLTY-00YC	Elevator - One size complete For 2 7/8" - 7" OD	Type YC 75 ton
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Slip assy, if supplied extra with elevator or by itself  
 4 1/2" - 3 1/2"

SLI-ASSY-00YC	5 1/2" - 5"
SLI-ASSY-00YC	7" - 6 5/8"

EMA-SLTY-0HYT	Elevator - One size complete For 2 7/8" - 3 1/2" OD	Type HYT 150 ton
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Slip assy, if supplied extra with elevator or by itself  
 3 1/2" - 2 7/8"

EMA-SLTY-0HYC	Elevator - One size complete For 2 7/8" - 7 5/8" OD	Type HYC 200 ton
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Slip assy, if supplied extra with elevator or by itself  
 3 1/2" - 2 7/8"  
 4 1/2" - 3 1/2"  
 5 1/2" - 4 1/2"  
 7" - 6 5/8"

Inspection to API included.

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

Extra guides supplied with complete elevators or by themselves:

MIS-TOGU	1 set of top guides	By themselves	Any size:
MIS-BOGU	1 set of bottom guides	By themselves	Any size :
MIS-INSE	Spare inserts per set	Sale if not returned	

Any body by itself is the same price as a complete unit.

### ELEVATORS, SQUARE SHOULDER, CENTRE LATCH

EMA-TBCL-2706	For 2 7/8" OD tubing	65 ton
EMA-TBCL-2710	For 2 7/8" OD tubing	100 ton
EMA-TBCL-4110	For 4 1/2" OD tubing/casing	100 ton

Inspection to API included.

### FALSE ROTARY TABLE

FAL-ROTA-TABL	False rotary table for TS-100 bowl / 8 5/8" API Bowl / Cavins Air operated bowl
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Inspection to API included.

### HANDLING JOINTS

HAJ-0278-WT23	2 7/8" OD Handling Joint, WT23 connection
HAJ-0278-WT26	2 7/8" OD Handling Joint, WT26 connection
HAJ-0312-NC38	3 1/2" OD Handling Joint, NC38 connection
HAJ-0400-TT39	4" OD Handling Joint, TT390 connection
HAJ-0400-VX39	4" OD Handling Joint, VX39 connection
HAJ-0500-DS50	5" OD Handling Joint, DS50 connection
HAJ-0500-NC50	5" OD Handling Joint, NC50 connection
HAJ-0500-NCVA	5" OD Handling Joint, NC50 VAM EIS connection
HAJ-0512-00FH	5 1/2" OD Handling Joint, 5 1/2"FH connection
HAJ-0512-FHVE	5 1/2" OD Handling Joint, 5 1/2"FH VAM EIS connection
HAJ-0512-HT55	5 1/2" OD Handling Joint, HT55-375 connection
HAJ-0512-MT57	5 1/2" OD Handling Joint, MT57 connection
HAJ-0578-MT57	5 7/8" OD Handling Joint, MT57 connection
HAJ-0578-XT57	5 7/8" OD Handling Joint, XT57 connection
HAJ-0658-00FH	6 5/8" OD Handling Joint, 6 5/8" FH connection
HAJ-0658-0REG	6 5/8" OD Handling Joint, 6 5/8" REG connection

Plus inspection

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

**X-OVER HANDLING JOINTS**

HAJ-PXOS-5000	5" OD Handling Joint, 6 5/8" REG Pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5000	5" OD Handling Joint, 6 5/8" REG Pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x NC38 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x NC38 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC38 pin x 5 1/2" FH pin, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC38 pin x 5 1/2" FH pin, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x NC50 pin, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x NC50 pin, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH pin, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH pin, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, HT55 pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, HT55 pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x HT55 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 5 1/2" FH pin x HT55 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x HT55 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, NC50 pin x HT55 box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, XT57 pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, XT57 pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x HT55 box, < 3,5 mtr
HAJ-PXOS-5120	5 1/2" OD Handling Joint, 6 5/8" REG pin x HT55 box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, XT57 pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, XT57 pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, NC50 pin x XT57 box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, NC50 pin x XT57 box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, NC50 pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, NC50 pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" REG pin x XT57 box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" REG pin x XT57 box, > 3,5 mtr

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

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HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" REG pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" FH pin x XT57 box, > 3,5 mtr.
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" FH pin x 5 1/2" FH VAM EIS box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 6 5/8" FH pin x 5 1/2" FH VAM EIS box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x NC50 box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x NC50 box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x 6 5/8" REG box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x 6 5/8" REG box, > 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x 6 5/8" FH box, < 3,5 mtr
HAJ-PXOS-5780	5 7/8" OD Handling Joint, 5 1/2" FH VAM EIS pin x 6 5/8" FH box, > 3,5 mtr
HAJ-PXOS-6580	6 5/8" OD Handling Joint, 6 5/8" REG pin x 6 5/8" FH box, < 3,5 mtr
HAJ-PXOS-6580	6 5/8" OD Handling Joint, 6 5/8" REG pin x 6 5/8" FH box, > 3,5 mtr
	Plus inspection

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## HEAVY WALL DRILLPIPE

HWD-0312-NC38	3 1/2" OD x 2 1/16" ID, w/4 3/4" OD x 2 1/16" ID tool joints, NC38 connection w/SRG & BB	<u>Hardbanding</u> Arnco 100 XT
HWD-0312-0H2S	3 1/2" OD x 2 1/16" ID, w/4 3/4" OD x 2 1/16" ID tool joints, NC38 connection w/SRG & BB, H2S service	Arnco 300 XT
HWD-0400-VX39	4" OD x 2 9/16" ID, w/5" OD x 2 9/16" ID tool joints, VX39 connection	Tuboscope TCS Titanium
HWD-0400-TT39	4" OD x 2 9/16" ID, w/5" OD x 2 9/16" ID tool joints, TT390 connection, Note: Spiral Weight	Arnco 300 XT
HWD-0500-NC50	5" OD x 3" ID, w/6 1/2" OD x 3" ID tool joints, NC50 connection w/SRG & BB	Arnco 200 XT
HWD-0500-NC50	5" OD x 3 1/16" ID, w/6 5/8" OD x 3 1/16" ID tool joints, NC50 connection w/SRG & BB	Arnco 300 XT
HWD-0500-0H2S	5" OD x 3" ID, w/6 1/2" OD x 3" ID tool joints, NC50 connection w/SRG & BB, H2S service	Arnco 300 XT
HWD-0512-00FH	5 1/2" OD x 3 1/2" ID, w/7 1/4" OD x 3 1/2" ID tool joints, 5 1/2"FH connection w/SRG & BB	Arnco 100 XT
HWD-0512-00FH	5 1/2" OD x 3 1/4" ID, w/7 1/4" OD x 3 1/4" ID tooljoints 5 1/2"FH connection w/SRG & BB	Duraband NC

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.




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HWD-0512-VAEI	5 1/2" OD x 3 1/2" ID, w/7 1/4" OD x 3 1/2" ID tool joints, 5 1/2" FH VAM EIS connection	Arnco 200 XT
HWD-0658-FHST	6 5/8" OD x 4" ID, w/8" OD x 4" ID tool joints, 6 5/8" FH connection w/SRG & BB	Arnco 200 XT
HWD-0658-REG0	6 5/8" OD x 3" ID, w/8" OD x 3" ID tool joints, 6 5/8" REG connection w/ SRG & BB	TCS Titanium

Plus inspection to NS-2 (if not quoted differently)

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### HEAVY WALL PUP JOINTS

HWP-0278-0H2S	2 7/8" OD x 1 1/2" ID	HT PAC connection, H2S service
HWP-0312-H2S	3 1/2" OD x 2 7/16" ID	NC38 VAM EIS connection, H2S service

Plus inspection

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### INSIDE BOP VALVE FOR DRILLPIPE

IBOP-HTPA-10KW	(with releasing tool) With 2 7/8" HT PAC connection	10 000 psi w.p.
IBOP-WT23-15KW	With WT23 connection	15 000 psi w.p.
IBOP-WT26-15KW	With WT26 connection	15 000 psi w.p.
IBOP-NC38-15KW	With NC38 connection	15 000 psi w.p.
IBOP-NC38-15VA	With NC38 VAM EIS connection	15 000 psi w.p.
IBOP-VX39-15VA	With VX39 connection	15 000 psi w.p.
IBOP-TT39-15KW	With TT39 connection	15 000 psi w.p.
IBOP-WT38-15KW	With WT38 connection	15 000 psi w.p.
IBOP-NC50-15KW	With NC50 connection	15 000 psi w.p.
IBOP-NC50-15VA	With NC50 VAM EIS connection	15 000 psi w.p.
IBOP-WT50-15KW	With WT50 connection	15 000 psi w.p.
IBOP-51DS-15VA	With 5 1/2" DS55 connection	15 000 psi w.p.
IBOP-51FH-15VA	With 5 1/2" FH VAM EIS connection	15 000 psi w.p.
IBOP-51HT-10KW	With HT55-375 connection	10 000 psi w.p.
IBOP-51HT-15KW	With HT55-375 connection	15 000 psi w.p.
IBOP-65FH-10KW	With 6 5/8" FH connection	10 000 psi w.p.
IBOP-65FH-15KW	With 6 5/8" FH connection	15 000 psi w.p.

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

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IBOP-DS50-15KW	With DS50 connection	15 000 psi w.p.
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Service charge, incl. seal kit:  
 Additional parts at cost + 10%  
 Inspection to API included.

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### JUNK SUB

JUN-KSUB-0434	4 3/4" OD Boot Basket 3 1/2" REG connection Plus inspection
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### KELLY / KELLY BUSHING

KEL-BUSH-ING0	Kelly bushing Pin drive, Baash-Ross model ITP 6
KEL-0514-37FT	5 1/2" Tri kelly 40 ft. X 37 ft. working length, NC50 pin x 6 5/8" REG LH box

Inspection to API included.

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### LIFT CAP

LSU-PAD-EYE	Pad-Eye Cap, NC50 box x Pad-Eye lift end, for 25 ton shackle Plus inspection
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### LIFT PLUGS, DRILLPIPE

LSU-PLUG-WT23	For 2 7/8" OD	with WT23 connection	
LSU-PLUG-WT26	For 2 7/8" OD	with WT26 connection	
LSU-PLUG-WT50	For 5" OD	with WT50 connection	
LSU-PLUG-HT55	For 5 1/2" OD	with HT55-375 connection	

Plus inspection

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### LIFT PLUGS, TUBING

LSU-PLUG-23PH	For 2 3/8" OD	with 2 3/8" PH-6 connection	7.7 lb/ft.
LSU-PLUG-27EU	For 2 7/8" OD	with 2 7/8" EUE connection	6.5 lb/ft.
LSU-PLUG-27FJ	For 2 7/8" OD	with 2 7/8" VAM FJL connection	8.6 lb/ft.
LSU-PLUG-27PH	For 2 7/8" OD	with 2 7/8" PH-6 connection	9.5 lb/ft.
LSU-PLUG-27TS	For 2 7/8" OD	with 2 7/8" TS-6 connection	8.7 lb/ft.
LSU-PLUG-3151	For 3 1/2" OD	with 3 1/2" Hydril 511 connection	7.7/10.2 lb/ft.
LSU-PLUG-31PH	For 3 1/2" OD	with 3 1/2" PH-6 connection	12.95/15.8 lb/ft.
LSU-PLUG-31TS	For 3 1/2" OD	with 3 1/2" TS-6 connection	12.95 lb/ft.
LSU-PLUG-4051	For 4" OD	with 4" Hydril 511 connection	9.5 lb/ft.

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.



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LSU-PLUG-41TS	For 4 1/2" OD	with 4 1/2" TS-6 connection	15.5 lb/ft.
LSU-PLUG-5051	For 5" OD	with 5" Hydril 511 connection	18.0 lb/ft.
	Plus inspection		

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### LIFTING PROTECTORS, BAIL TYPE

LSU-BAIL-WECO	2" FIG 1502 Weco Male	for Weco Female
LSU-BAIL-WT23P	WT23 pin connection	for box end
LSU-BAIL-WT26B	WT26 box connection	for pin end
LSU-BAIL-WT26P	WT26 pin connection	for box end
LSU-BAIL-NC3B	NC38 box connection	for pin end
LSU-BAIL-NC3P	NC38 pin connection	for box end
LSU-BAIL-533P	3 1/2" 533(15.8#) pin connection	for box end
LSU-BAIL-TT390B	TT390 box connection	for box end
LSU-BAIL-TT390P	TT390 pin connection	for pin end
LSU-BAIL-VX39B	VX39 box connection	for pin end
LSU-BAIL-VX39P	VX39 pin connection	for box end
LSU-BAIL-WT38B	WT38 box connection	for pin end
LSU-BAIL-WT38P	WT38 pin connection	for box end
LSU-BAIL-NC5B	NC50 box connection	for pin end
LSU-BAIL-NC5P	NC50 pin connection	for box end
LSU-BAIL-51FB	5 1/2" FH box connection	for pin end
LSU-BAIL-51FP	5 1/2" FH pin connection	for box end
LSU-BAIL-HT5B	HT55-375 box connection	for pin end
LSU-BAIL-HT5P	HT55-375 pin connection	for box end
LSU-BAIL-65FB	6 5/8" FH box connection	for pin end
LSU-BAIL-65FP	6 5/8" FH pin connection	for box end
LSU-BAIL-6REP	6 5/8" REG pin connection	for box end
LSU-BAIL-7REB	7 5/8" REG box connection	for pin end
	Plus inspection	

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### LIFTING SUBS FOR DRILLCOLLARS AND DRILLPIPE

LSU-NC38-STDR	(18° taper up) NC38 pin down for 3 1/2" DP elevator
LSU-NC50-SPEC	NC50 pin down with 4 1/2"OD for sq.sh or 5" 18 degr.taper up (solid body)
LSU-NC50-STDR	NC50 pin down for 5" DP elevator
LSU-51FH-STDR	5 1/2" FH pin for 5" and 5 1/2" DP elevator
LSU-51FV-STDR	5 1/2" FH VAM EIS pin for 5" and 5 1/2" DP elevator

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

LSU-XT57-STDR	XT57 pin down for 5 7/8" DP elevator
LSU-658F-STDR	6 5/8" FH pin down for 5" and 5 1/2" DP elevator
SLU-658R-STDR	6 5/8" REG pin down for 5" and 5 1/2" DP elevator
LSU-658R-512F	6 5/8" REG pin down x 5 1/2" FH DSTJ box up for 5" and 5 1/2" DP elev.
LSU-758R-512F	7 5/8" REG pin down x 5 1/2" FH DSTJ box up for 5" and 5 1/2" DP elev.
	Plus inspection

### OVERSHOTS, BOWEN

OVE-SHOT-378W	3 7/8" OD	WT23 box connection	Bowen	Slim hole
OVE-SHOT-578N	5 7/8" OD	NC38 box connection	Bowen	Slim hole
OVE-SHOT-818N	8 1/8" OD	NC50 box connection	Gotco	Slim hole
OVE-EXTE-SUB0	Extension sub 3 7/8" OD - 33 1/4" long			
	Rental rate includes 1 grapple set. Extra grapple sets at 25% of overshot rate. Grapples will be recharged if used/damaged			
	Plus inspection			

### PONY DRILLCOLLARS, SLICK

PDC-0318-WT23	3 1/8" OD x 1 1/2" ID, WT23 connection
PDC-0312-WT26	3 1/2" OD x 1 3/4" ID, WT26 connection
PDC-0814-0658	8 1/4" OD x 2 13/16" ID, 6 5/8" REG connection
	Plus inspection

### REVERSE CIRCULATING JUNK BASKET

REV-CIRC-JUNK	5 1/8" Bowen, Reverse circulating junk basket NC38 box conn. w/ 5 5/8" OD Type A Millshoe
	Plus inspection

### SLIPS, CASING

	(Type Varco CMS-XL)
SLI-CMSX-0000	For 6 5/8" - 9 5/8" OD
SLI-CMSX-0000	For 10 3/4" - 14" OD
SLI-CMSX-0000	For 16" - 20" OD
SLI-CMSX-0000	For 22" OD
SLI-CMSX-0000	For 24" OD
SLI-CMSX-0000	For 26" OD
SLI-CMSX-0000	For 30" OD
SLI-CMSX-0000	For 36" OD

For other sizes, price on request. Inspection to API included.

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

**SLIPS, DRILLCOLLAR**

SLI-DCSS-0000	For 3" - 4" OD	Type DCS-S
SLI-DCSS-0000	For 4" - 4 7/8" OD	Type DCS-S
SLI-DCSR-0000	For 4 1/2" - 6" OD	Type DCS-R
SLI-DCSR-0000	For 5 1/2" - 7" OD	Type DCS-R
SLI-DCSL-0000	For 5 1/2" - 7" OD	Type DCS-L
SLI-DCSL-0000	For 6 3/4" - 8 1/4" OD	Type DCS-L
SLI-DCSL-0000	For 8" - 9 1/2" OD	Type DCS-L
SLI-DCSL-0000	For 8 1/2" - 10" OD	Type DCS-L
SLI-DCSL-0000	For 9 1/4" - 11 1/4" OD	Type DCS-L
SLI-DCSL-0000	For 11" - 12 3/4" OD	Type DCS-L
SLI-DCSL-0000	For 12" - 14" OD	Type DCS-L

Inspection to API included

**SLIPS, POWER**

SLI-POWE-PS16	Varco type PS-16, Air Operated
AIR-CONT-PANE	Air control panel, foot operated, with air hose (must be ordered separately)
SLI-AS50-PS16	Slip assy. for PS-16 slips For 5" - 5 1/2" OD
	PS-16 slips includes 1 ea. slip assy. Additional slip assy. Slip assy. rented by itself
SLI-POWE-LIFT	Lifting arm, air operated, MH type (for standard rotary slips)
SLI-POWE-LIFT	Lifting arm, air operated, Malm Orstad Type (for standard rotary slips)
AIR-CONT-PANE	Air control panel, foot operated, with air hose (must be ordered separately)

Inspection to API included.

**SLIPS, ROTARY (DRILLPIPE/TUBING)**

	Dressed one size
SLI-SDML-0312	For 2 3/8" / 2 7/8" / 3 1/2" OD
SLI-SDXL-0412	For 3 1/2" / 4" / 4 1/2" OD
SLI-SDXL-0500	For 4" / 4 1/2" / 5" OD
SLI-SDXL-0512	For 4 1/2" / 5" / 5 1/2" OD
SLI-SDHL-0512	For 4 1/2" / 5" / 5 1/2" OD
SLI-SDHL-0658	For 6 5/8" / 5 7/8" OD
SLI-SDHL-0678	For 6 7/8" / 5 7/8" OD
SLI-SDXL-0700	For 6 5/8" / 7" OD

Inspection to API included.

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

**SLIPS AND BOWL FOR TUBING, DRILLPIPE AND CASING, INCL. AIR-OPERATED**

	Manual - (Dressed one size)
SNB-TS10-0312	3/4" - 3 1/2" TS-100 Bowl, 100 ton incl. slips one size only
SNB-TS10-0512	2 7/8" - 5 1/2" TS-100 Bowl, 100 ton incl. slips one size only
SNB-100T-0858	8 5/8" API Bowl, 100 ton for standard rotary slips
SNB-200T-3000	30" Hinged Casing Spider 200 ton – one size only
SNB-TC10-AOTS	Air Operated, Type CAVINS For 3 1/2" - 5 1/2" OD, 100 ton incl. slips one size only
AIR-CONT-PANE	Air control panel, foot operated, with air hose (must be ordered separately)
	Inspection to API included.

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**SPIDER ADAPTOR PLATE**

SPI-ADPL-2000	20" OD
SPI-ADPL-3000	30" OD
	Inspection to API included.

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**STABBING GUIDES, FOR DRILLPIPE**

STA-GUID-WT23	For WT23 drillpipe
STA-GUID-WT26	For WT26 drillpipe
STA-GUID-NC38	For 3 1/2" drillpipe
STA-GUID-WT38	For WT38 drillpipe
STA-GUID-0434	For 4 3/4" test collars
STA-GUID-NC50	For 5" drillpipe
STA-GUID-WT50	For 5" drillpipe
STA-GUID-FH51	For 5 1/2" drillpipe
STA-GUID-HT55	For 5 1/2" drillpipe
STA-GUID-FH00	For 6 5/8" drillpipe

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**STABBING GUIDES, FOR TUBING AND CASING**

STA-GUID-0238	For 2 3/8" tubing
STA-GUID-0278	For 2 7/8" tubing
STA-GUID-0312	For 3 1/2" tubing
STA-GUID-0400	For 4" tubing
STA-GUID-0412	For 4 1/2" tubing
STA-GUID-0500	For 5" tubing
STA-GUID-0512	For 5 1/2" casing
STA-GUID-0658	For 6 5/8" casing

Other, and special sizes, price on request.

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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

**TEST CAPS**

TCA-238B-PH6N	2 3/8" PH-6 box	x	1/2" NPT box
TCA-278B-EU2A	2 7/8" EUE box	x	9/16" HP AC box
TCA-278B-PH6A	2 7/8" PH-6/TS-6 box	x	9/16" HP AC box
TCA-278P-PH6A	2 7/8" PH-6/TS-6 pin	x	9/16" HP AC box
TCA-278B-PH6N	2 7/8" PH-6/TS-6 box	x	1/2" NPT box
TCA-278P-PH6N	2 7/8" PH-6/TS-6 pin	x	1/2" NPT box
TCA-278B-W26A	WT26 box	x	9/16" HP AC box
TCA-278P-W26A	WT26 pin	x	9/16" HP AC box
TCA-312P-N38N	NC38 (3 1/2"IF) pin	x	1/2" NPT box
TCA-312B-N38A	NC38 (3 1/2"IF) box	x	9/16" HP AC box
TCA-312P-N38A	NC38 (3 1/2"IF) pin	x	9/16" HP AC box
TCA-312B-PH6A	3 1/2" PH-6/TS-6 box	x	9/16" HP AC box
TCA-312P-PH6A	3 1/2" PH-6/TS-6 pin	x	9/16" HP AC box
TCA-312B-PH6N	3 1/2" PH-6/TS-6 box	x	1/2" NPT box
TCA-312B-0533	3 1/2" 533 (15.8#) box	x	9/16" HP AC box
TCA-312P-0533	3 1/2" 533 (15.8#) pin	x	9/16" HP AC box
TCA-312B-0563	3 1/2" 563 (15.5#) box	x	9/16" HP AC box
TCA-312P-0563	3 1/2" 563 (15.5#) pin	x	9/16" HP AC box
TCA-400B-TT39	TT390 box	x	9/16" HP AC box
TCA-400P-TT39	TT390 pin	x	9/16" HP AC box
TCA-400P-VX39	VX39 pin	x	9/16" HP AC box
TCA-400B-W38A	WT38 box	x	9/16" HP AC box
TCA-412B-N50N	NC50 (4 1/2" IF) box	x	1/2" NPT box
TCA-412P-N50N	NC50 (4 1/2" IF) pin	x	1/2" NPT box
TCA-412B-PH6A	4 1/2" PH-6 box	x	9/16" HP AC box
TCA-412P-PH6A	4 1/2" TS-6 pin	x	9/16" HP AC box
TCA-412B-563A	4 1/2" Hydril 563 box	x	9/16" HP AC box
TCA-412P-563A	4 1/2" Hydril 563 pin	x	9/16" HP AC box
TCA-412B-IFMN	4 1/2" IF MOD box	x	1/2" NPT box
TCA-412P-IFMN	4 1/2" IF MOD pin	x	1/2" NPT box
TCA-412P-HACN	4 1/2" HALL. ACME pin	x	1/2" NPT box
TCA-412B-PH4N	4 1/2" PH-4 box	x	1/2" NPT box
TCA-412P-PH4N	4 1/2" PH-4 pin	x	1/2" NPT box
TCA-412B-PH4A	4 1/2" PH-4 box	x	9/16" HP AC box
TCA-412P-PH4A	4 1/2" PH-4 pin	x	9/16" HP AC box
TCA-412B-P6AC	4 1/2" TS-6 box	x	9/16" HP AC box
TCA-500B-CS0N	5" CS box	x	1/2" NPT box
TCA-500P-CS0N	5" CS pin	x	1/2" NPT box
TCA-500B-CS0A	5" CS box	x	9/16" HP AC box
TCA-500P-CS0A	5" CS pin	x	9/16" HP AC box

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

TCA-500B-563A	5" Hydril 563 box	x	9/16" HP AC box
TCA-500P-563A	5" Hydril 563 pin	x	9/16" HP AC box
TCA-500B-W50A	WT50 box	x	9/16" HP AC box
TCA-500P-W50A	WT50 pin	x	9/16" HP AC box
TCA-500B-XT50	XT50 box	x	9/16" HP AC box
TCA-500P-XT50	XT50 pin	x	9/16" HP AC box
TCA-512B-FH0A	5 1/2" FH box	x	9/16" HP AC box
TCA-512P-FH0A	5 1/2" FH pin	x	9/16" HP AC box
TCA-512B-H55A	5 1/2" HT55-375 box	x	9/16" HP AC box
TCA-512P-H55A	5 1/2" HT55-375 pin	x	9/16" HP AC box
TCA-512B-NSCA	5 1/2" NSCC box	x	9/16" HP AC box
TCA-512P-NSCA	5 1/2" NSCC pin	x	9/16" HP AC box
TCA-512B-V59A	VAM TAURUS VT 59 box	x	9/16" HP AC box
TCA-512P-V59A	VAM TAURUS VT 59 pin	x	9/16" HP AC box
TCA-512B-XT57	XT57 box	x	9/16" HP AC box
TCA-512P-XT57	XT57 pin	x	9/16" HP AC box
TCA-658B-FH0A	6 5/8" FH box	x	9/16" HP AC box
TCA-658P-FH0A	6 5/8" FH pin	x	9/16" HP AC box
TCA-658B-REGA	6 5/8" REG box	x	9/16" HP AC box
TCA-658P-REGA	6 5/8" REG pin	x	9/16" HP AC box
TCA-700B-VATN	7" VAM ATAC box	x	1/2" NPT box

For other drillpipe and tubing sizes, price on request.  
 Plus inspection

## TEST COLLARS, SLICK

For use with test string  
 (PREMIUM CONNECTION)

TCO-0434-PH06	4 1/2" x 4 3/4" OD x 2 1/2" ID, 3 1/2" Hydril PH6 connection with 3 1/2"OD x 1.5 mtr long slip and elevator recess, 18 degree taper box end, Std Service
TCO-0434-0H2S	4 1/2" x 4 3/4" OD x 2 1/2" ID, 3 1/2" Hydril PH6 connection with 3 1/2"OD x 1.5 mtr long slip and elevator recess, 18 degree taper box end, H2S service
TCO-0612-0STD	6 1/2" OD X 2 13/16" ID, 5 1/2" TPS TS4 connection with 5" OD x 1.6 mtr long slip and elevator recess, 18 degree taper box end. Std service

Plus inspection

## TONGS

ROTARY HAND (SET OF 2)

TON-TYPE-K030	For 2 1/16" - 4 1/8" OD	Type	Kelco "K-30"
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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

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TON-TYPE-D000	For 2 7/8" – 4 1/8" OD	Type	"D"
TON-TYPE-HT35	For 2 3/8" - 7" OD	Type	BJ HT35
TON-TYPE-WRT35	For 2 3/8" – 7 5/8" OD	Type	BV WRT35
TON-TYPE-HT100	For 4 1/2" - 17" OD	Type	BJ HT100
TON-TYPE-BV100	For 18 5/8" - 36" OD	Type	BV "100"

Extra set of tong jaws supplied with tongs, 50% of compl. price.  
 Tong parts by themselves, 75% of compl. price.  
 Price is the same for 1 or 2 tongs.  
 Inspection to API included.

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## TUBING

Size, Weight, Drift, Material, Connection, Service

TBF-2380-P105	2 3/8", 5.95#, 1,773", P-105, Hydril PH6, Std.
TBF-2381-P105	2 3/8", 5.95#, 1,773", P-105, Hydril 511, Std.
TBF-2580-NT14	2 5/8", 6.85#, 1,759", NT-140, 2 3/8" PH6, Std.
TBF-2780-FJL0	2 7/8", 8.7#, 2,165", P-110, VAM FJL, Std.
TBF-2780-L080	2 7/8", 6.5#, 2,347", L-80, API EUE, H2S
TBF-2780-P110	2 7/8", 8.7#, 2,165", P-110, TPS TS6, Std.
TBF-3121-L080	3 1/2", 12.95#, 2,625", L-80, Hydril PH6, H2S
TBF-3122-L080	3 1/2", 12.95#, 2,625", L-80, Hydril 511, H2S
TBF-3123-P105	3 1/2", 12.95#, 2,625", P-105, Hydril PH6, Std.
TBF-3123-P110	3 1/2", 12.95#, 2,625", P-110, TPS TS6, Std.
TBF-3120-NT11	3 1/2", 12.95#, 2,625", NT110SS, Hydril PH6, H2S
TBF-3129-AC11	3 1/2", 12.95#, 2,625", AC110SS, Hydril 533, H2S
TBF-3128-AC95	3 1/2", 15.5#, 2,423", AC95/L80, Hydril 563, H2S
TBF-3125-T195	3 1/2", 15.5#, 2,423", T-95, Hydril 563, H2S
TBF-3125-T095	3 1/2", 15.8#, 2,423", T-95, Hydril 533, H2S
TBF-4000-L080	4", 9.5#, 3,423", L-80, Hydril 511, H2S
TBF-4120-1563	4 1/2", 12.6#, 3,833", L-80, Hydril 563, H2S
TBF-4120-4563	4 1/2", 21.5#, 3,375", L-80, Hydril 563, H2S
TBF-4120-2563	4 1/2", 23.7#, 3,255", C-95, Hydril 563, Std.
TBF-4120-3563	4 1/2", 26.1#, 3,115", L-80, Hydril 563, H2S
TBF-4120-4TS6	4 1/2", 15.5#, 3,701", L-80, TPS TS6, H2S
TBF-5000-C095	5", 23.2#, 3,919", C95 SS, Hydril 511, H2S
TBF-5000-SM95	5", 23.2#, 3,919", SM95 S, Hydril 563, H2S

Inspection to API included  
 Service charge includes: post job cleaning, inspection and preservation.  
 For rental of less than 10 jts., rental rate will be +100% of listed rate.

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## TUBING, HANDLING JOINTS

(when rented with Independent Oil Tools tubing)  
 Size, Weight, Drift, Material, Connection, Service

TBP-3120-L815	3 1/2", 15.8#, 2,423", AISI-4140, Hydril PH6, H2S 1 mtr to 3 mtr lengths - 18 degree taper upset
TBF-3130-C95S	3 1/2", 15.8#, 2,423", C95S, TPS TS6, H2S 9,4 mtr lengths – 18 degree taper upset

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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

## TUBING, PUP JOINTS

	(when rented with Independent Oil Tools tubing) Size, Weight, Drift, Material, Connection, Service
TBP-2380-L80E	2 3/8", 4.7#, 1,901", L-80, API EUE, H2S
TBP-2380-P10P	2 3/8", 5.95#, 1,773", P-105, Hydril PH6, Std.
TBP-2780-L80E	2 7/8", 6.5#, 2,347", L-80, API EUE, H2S
TBP-2780-N80E	2 7/8", 6.5#, 2,347", N-80, API EUE, Std.
TBP-2780-FJL0	2 7/8", 8.7#, 2,165", P-110, VAM FJL, Std.
TBP-2780-P11T	2 7/8", 8.7#, 2,165", P-110, TPS TS6, Std.
TBP-2780-P110	2 7/8", 8.7#, 2,165", P-110, Hydril PH6, Std.
TBP-3120-L80P	3 1/2", 12.95#, 2,625", L-80, Hydril PH6, H2S
TBP-3120-P10P	3 1/2", 12.95#, 2,625", P-105, Hydril PH6, Std.
TBP-3120-P11T	3 1/2", 12.95#, 2,625", P-110, TPS TS6, Std.
TBP-3120-P110	3 1/2", 12.95#, 2,625", P-110, Hydril PH6, Std.
TBP-3120-ACP6	3 1/2", 15.8#, 2,423", AC95, Hydril PH6, H2S
TBP-3120-5110	3 1/2", L-80
TBP-3120-5630	3 1/2", 15.8#, 2,423", AC95/L-80, Hydril 563, H2S
TBP-3120-T95P	3 1/2", 15.8#, 2,423", T95, Hydril 533, H2S
TBP-3120-T95T	3 1/2", 15.8#, 2,423", T-95, TPS TS-6, H2S
TBP-4000-L080	4", 9.5#, 3,423", L-80, Hydril 511, H2S
TBP-4120-4563	4 1/2", 21.5#, 3,375", L-80, Hydril 563, H2S
TBP-4120-2563	4 1/2", 23.7#, 3,255", C-95, Hydril 563, H2S
TBP-4120-3563	4 1/2", 26.1#, 3,115", L-80, Hydril 563, H2S
TBP-4120-4TS6	4 1/2", 15.5#, 3,701", L-80, TPS TS6, H2S
TBP-5000-C095	5", 23.20#, 3,919", C95 SS, Hydril 511, H2S
TBP-5000-SM95	5", 23.20#, 3,919", SM95 S, Hydril 563, H2S

Service charge includes: post job cleaning, inspection and preservation.

NOTE: Pup joints are NOT load tested and should NOT be used as liftsups.

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## TUBING, MULE SHOES

TUB-MULE	All sizes
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## VALVES, DUAL FLAPPER

VAL-FLAP-23P6	With 2 3/8"PH-6 connection
VAL-FLAP-27P6	With 2 7/8"PH-6 connection

Service charge, incl. seal kit:  
 Additional parts at cost + 10%  
 Inspection to API included.

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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.



**VALVES, FLOAT**

VAL-FLOA-1R00	For 2 3/8" REG. box	Size 1R	Model F
VAL-FLOA-1F2R	For 2 7/8" REG. box	Size 1F/2R	Model F
VAL-FLOA-2F3R	For 3 1/2" REG. box	Size 2F/3R	Model G
VAL-FLOA-2F3R	For 3 1/2" REG. box	Size 2F/3R	Model GA
VAL-FLOA-312IF	For 3 1/2" REG. box	Size 3 1/2" IF	
VAL-FLOA-4R00	For 4 1/2" REG. box	Size 4R	Model GA
VAL-FLOA-5R00	For NC50 box	Size 5R	Model G

With spares if requested. (Sale if used and/or not returned)

**VALVES, DRILLPIPE SAFETY VALVE**

VAL-WT23-15KW	With WT23 connection	15 000	psi w.p.
VAL-WT26-15KW	With WT26 connection	15 000	psi w.p.
VAL-NC38-15KW	With NC38 connection	15 000	psi w.p.
VAL-NC38-VAME	With NC38 VAM EIS connection	15 000	psi w.p.
VAL-TT39-15KW	With TT390 connection	15 000	psi w.p.
VAL-VX39-15KW	With VX39 connection	15 000	psi w.p.
VAL-WT38-15KW	With WT38 connection	15 000	psi w.p.
VAL-NC50-10KW	With NC50 connection	10 000	psi w.p.
VAL-NC50-15KW	With NC50 connection	15 000	psi w.p.
VAL-NC50-VAME	With NC50 VAM EIS connection	15 000	psi w.p.
VAL-WT50-15KW	With WT50 connection	15 000	psi w.p.
VAL-XT50-15KW	With XT50 connection	15 000	psi w.p.
VAL-XT57-15KW	With XT57 connection	15 000	psi w.p.
VAL-51FH-10KW	With 5 1/2" FH connection	10 000	psi w.p.
VAL-51FH-15KW	With 5 1/2" FH connection	15 000	psi w.p.
VAL-51FV-15KW	With 5 1/2" FH VAM EIS connection	15 000	psi w.p.
VAL-51HT-15KW	With HT55-375 connection	15 000	psi w.p.
VAL-65RE-10KW	With 6 5/8" REG connection	10 000	psi w.p.
VAL-65RE-15KW	With 6 5/8" REG connection	15 000	psi w.p.
VAL-65FH-15KW	With 6 5/8" FH connection	15 000	psi w.p.
VAL-DS50-15KW	With DS50 connection	15 000	psi w.p.

Pressure testing, incl. seal kit:  
 Additional parts at cost + 10%  
 Inspection to API included.

**VALVES, TUBING SAFETY VALVE**

VAL-23P6-10KW	With 2 3/8" PH-6 connection	10 000	psi w.p.
VAL-23P6-15KW	With 2 3/8" PH-6 connection	15 000	psi w.p.
VAL-27P6-10KW	With 2 7/8" PH-6/TS-6 connection	10 000	psi w.p.

Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

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VAL-31P6-10KW	With 3 1/2" PH-6 connection	10 000 psi w.p.
VAL-5330-15KW	With 3 1/2" 533 (15.8#) connection	15 000 psi w.p.

Service charge, incl. seal kit:  
 Additional parts at cost + 10%  
 Inspection to API included.

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### WECO SUBS, PUMP-IN

WEC-238B-PH6F	2 3/8" PH-6 box	x	2" WECO 1502 female
WEC-238P-PH6F	2 3/8" PH-6 pin	x	2" WECO 1502 female
WEC-278B-PH6F	2 7/8" PH-6/TS-6 box	x	2" WECO 1502 female
WEC-278P-PH6F	2 7/8" PH-6/TS-6 pin	x	2" WECO 1502 female
WEC-278P-PH63F	2 7/8" PH-6/TS-6 pin	x	3" WECO 1502 female
WEC-312P-N38F	NC38 (3 1/2" IF) pin	x	2" WECO 1502 female
WEC-312B-PH6F	3 1/2" PH-6/TS-6 box	x	2" WECO 1502 female
WEC-312P-PH6F	3 1/2" PH-6/TS-6 pin	x	2" WECO 1502 female
WEC-312P-PH6M	3 1/2" PH-6/TS-6 pin	x	2" WECO 1502 male
WEC-312P-PH62F	3 1/2" PH-6/TS-6 pin	x	2" WECO 2202 female
WEC-312B-533F	3 1/2" 533(15.8#) box	x	2" WECO 1502 female
WEC-312P-H533/563	3 1/2" 533/563(15.8#) pin	x	2" WECO 1502 female
WEC-312P-VAMF	3 1/2" VAM pin	x	2" WECO 2202 female
WEC-412P-563F	4 1/2" Hydril 563 pin	x	2" WECO 1502 female
WEC-412P-N50F	NC50 (4 1/2" IF) pin	x	2" WECO 1502 female
WEC-412P-TS6F	4 1/2" TS-6 pin	x	2" WECO 1502 female
WEC-412B-N50F	NC50 (4 1/2" IF) box	x	2" WECO 1502 female
WEC-412PB-NC15S	NC50 (4 1/2" IF) pin x box w/2" WECO 1502 female side outlet		
WEC-412PB-NC22S	NC50 (4 1/2" IF) pin x box w/2" WECO 2202 female side outlet		
WEC-NC50-LIFT	NC50 pin	x	2" WECO female side outlet
WEC-500P-H563	5" Hydril 563 pin	x	2" WECO 1502 female
WEC-500B-W50F	WT50 box	x	2" WECO 1502 female
WEC-500P-W50F	WT50 pin	x	2" WECO 1502 female
WEC-512B-FH0F	5 1/2" FH box	x	2" WECO 1502 female
WEC-512P-FH0F	5 1/2" FH pin	x	2" WECO 1502 female
WEC-512PB-FH0S	5 1/2" FH pin x box w/2" WECO 1502 female side outlet		
WEC-512B-FHDF	5 1/2" FH DSTJ box	x	2" WECO 1502 female
WEC-512P-FHDF	5 1/2" FH DSTJ pin	x	2" WECO 1502 female
WEC-512B-FHVA	5 1/2" FH VAM EIS box	x	2" WECO 1502 female
WEC-512P-FHVA	5 1/2" FH VAM EIS pin	x	2" WECO 1502 female
WEC-512PB-FHVA	5 1/2" FH VAM EIS pin x box w/2" WECO 1502 female side outlet		
WEC-512B-H55F	HT55-375 box	x	2" WECO 1502 female
WEC-512P-H55F	HT55-375 pin	x	2" WECO 1502 female
WEC-512P-H552	HT55-375 pin	x	2" WECO 2202 female
WEC-512PB-H55S	HT55-375 pin x box w/2" WECO 1502 female side outlet		

Prices are subject to change without notice.

Other rates may be quoted based on quantity and/or rental period.

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WEC-512PB-HT22	HT55-375 pin x box w/2" WECO 2202 female side outlet		
WEC-658B-FH0F	6 5/8" FH box	x	2" WECO 1502 female
WEC-658P-FH0F	6 5/8" FH pin	x	2" WECO 1502 female
WEC-658PB-FH0S	6 5/8" FH pin x box w/2" WECO 1502 female side outlet		
WEC-700P-NVAF	7" NEW VAM pin	x	2" WECO 1502 female
WEC-700P-NSCF	7" NSCC pin	x	2" WECO 1502 female
WEC-700P-VATO	7" VAM TOP(35#) pin	x	2" WECO 1502 female
WEC-958P-NSCF	9 5/8" NSCC pin	x	2" WECO 1502 female
WEC-958P-VATO	9 5/8" VAM TOP pin	x	2" WECO 1502 female
	Plus inspection		

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### X-OVER SUBS – ACME CONNECTIONS

XOS-ACME-3341	3 3/4"-6 SA 2G pin	x	3 1/2" TS-6 box
XOS-ACME-3342	3 3/4"-6 SA 2G pin	x	3 3/4"-6 SA 2G pin
XOS-ACME-3343	3 3/4"-6 SA 2G pin	x	3 1/2" TS-6 pin
XOS-ACME-4104	4 1/2"-4 HAL.ACME pin	x	3 1/2" PH-4 box
XOS-ACME-4132	4 1/2"-4 HAL.ACME pin	x	4 1/2" 563 box
XOS-ACME-4107	4 1/2"-4 HAL.ACME pin	x	5" CS box
XOS-ACME-4130	4 1/2"-4 HAL.ACME pin	x	5" Hydril 563 box
XOS-ACME-4133	4 1/2"-4 HAL.ACME pin	x	5" Hydril 563 pin
XOS-ACME-4105	4 1/2"-4 HAL.ACME pin	x	3 1/2" PH-4 pin
XOS-ACME-4113	4 1/2"-4 OA pin	x	3 1/2" PH-6/TS-6 box
XOS-ACME-4114	4 1/2"-4 OA pin	x	4 1/2" IF MOD box
XOS-ACME-4134	4 1/2"-4 OA pin	x	NC50 box
XOS-ACME-4116	4 1/2"-4 SA pin	x	3 1/2" PH-6/TS-6 box
XOS-ACME-4119	4 1/2"-4 SA pin	x	4 1/2"-4 SA box
XOS-ACME-4120	4 1/2"-4 SA pin	x	4 1/2" IF MOD box
XOS-ACME-4121	4 1/2"-4 SA pin	x	NC50 (4 1/2" IF) box
XOS-ACME-4122	4 1/2"-4 SA pin	x	4 1/2" PH-4 box
XOS-ACME-4123	4 1/2"-4 SA pin	x	4 1/2" PH-6 box
XOS-ACME-4126	4 1/2"-4 SA pin	x	5" TAC 1 box
XOS-ACME-4101	4 1/2"-4 HAL.ACME box	x	5" CS box
XOS-ACME-4124	4 1/2"-4 SA box	x	4 3/4"-4 SA box
XOS-ACME-4118	4 1/2"-4 SA pin	x	4 1/2"-4 SA pin
XOS-ACME-4127	4 1/2"-4 SA pin	x	5" TAC 1 pin
XOS-ACME-4301	4 3/4"-4 SA pin	x	4 1/2" PH-4 box
XOS-ACME-4302	4 3/4"-4 SA pin	x	4 3/4"-4 SA box
XOS-ACME-4303	4 3/4"-4 STUB ACME pin	x	3 1/2" TS-6 (15.8#) box
XOS-ACME-5031	5"-4 HAL.ACME pin	x	3 1/2" 533 (15.8 #) box
XOS-ACME-5028	5"-4 HAL.ACME pin	x	NC50 (4 1/2" IF) box
XOS-ACME-5029	5"-4 HAL.ACME pin	x	4 1/2" Hydril 563 box
XOS-ACME-5030	5"-4 HAL.ACME pin	x	4 1/2"-4 HAL.ACME box
XOS-ACME-5008	5"-4 HAL.ACME pin	x	4 1/2" PH-4 box

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XOS-ACME-5022	5"-4 SA pin	x	NC38 (3 1/2" IF) box
XOS-ACME-5004	5"-4 SA pin	x	3 1/2" PH-6/TS-6 box
XOS-ACME-5006	5"-4 SA pin	x	4 1/2" IF MOD box
XOS-ACME-5009	5"-4 SA pin	x	4 1/2" PH-4 box
XOS-ACME-5012	5"-4 SA pin	x	5" CS box
XOS-ACME-5018	5"-4 SA pin	x	5 1/2" TAC 1 box
XOS-ACME-5007	5"-4 SA(15K) pin	x	4 1/2" IF MOD box
XOS-ACME-5026	5"-4 SA(15K) pin	x	5 1/4"-4 SA (15K) box
XOS-ACME-5011	5"-4 SA EXPRO pin	x	5" CS box
XOS-ACME-5013	5"-4 SA pin	x	5" CS pin
XOS-ACME-5017	5"-4 SA pin	x	5 1/2" NEW VAM pin
XOS-ACME-5023	5"-4 SA(15K) pin	x	5 1/2" NSCC pin
XOS-ACME-5032	5"-4 SA(15K) pin	x	NC50 box
XOS-ACME-5010	5"-4 SA(15K) box	x	5"-4 SA(15K) box
XOS-ACME-5101	5 1/4"-4 SA(15K) pin	x	5 1/2" NSCC pin
XOS-ACME-6101	6 1/2"-4 SA pin	x	4 1/2"-4 SA box
XOS-ACME-6102	6 1/2"-4 SA pin	x	6 1/2"-4 SA pin
	Plus inspection		

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#### **X-OVER SUBS – ANTARES AND BUTTRESS**

XOS-AMS0-9580	9 5/8" AMS pin	x	NC50 (4 1/2" IF) box
XOS-BDS0-4101	4 1/2" BDS pin	x	3 1/2" PH-6/TS-6 box
XOS-BDS0-5002	5" BDS pin	x	2 7/8" TS-6 box
XOS-BDS0-5001	5" BDS pin	x	NC50 (4 1/2" IF) box
XOS-BTC0-5103	5 1/2" BTC pin	x	4 1/2" IF MOD box
XOS-BTC0-5101	5 1/2" BTC pin	x	4 1/2"-4 HAL.ACME pin
XOS-BTC0-5108	5 1/2" BTC pin	x	6 1/2"-4 SA pin
XOS-BTC0-7001	7" BTC pin	x	NC38 (3 1/2" IF) box
XOS-BTC0-7003	7" BTC pin	x	NC50 (4 1/2" IF) box
XOS-BTC0-7002	7" BTC pin	x	NC38 (3 1/2" IF) pin
XOS-BTC0-1301	13 3/8" BTC pin	x	NC50 (4 1/2" IF) box
XOS-BTC0-2001	20" BTC pin	x	NC50 (4 1/2" IF) box
	Plus inspection		

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#### **X-OVER SUBS – API EUE / NUE**

XOS-EUE0-2303	2 3/8" EUE pin	x	2 3/8" CS box
XOS-EUE0-2304	2 3/8" EUE pin	x	2 3/8" PH-6/TS-6 box
XOS-EUE0-2306	2 3/8" EUE pin	x	2 7/8" EUE box
XOS-EUE0-2309	2 3/8" EUE pin	x	2 7/8" VAM box

Prices are subject to change without notice.  
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XOS-EUE0-2301	2 3/8" EUE box	x	2 7/8" EUE box
XOS-EUE0-2302	2 3/8" EUE box	x	2 7/8" NU 1ORD box
XOS-EUE0-2307	2 3/8" EUE pin	x	2 7/8" EUE pin
XOS-EUE0-2704	2 7/8" EUE pin	x	2 3/8" EUE box
XOS-EUE0-2705	2 7/8" EUE pin	x	2 3/8" PH6 box
XOS-EUE0-2706	2 7/8" EUE pin	x	2 3/8" REG box
XOS-EUE0-2707	2 7/8" EUE pin	x	2 3/8" VAM box
XOS-EUE0-2709	2 7/8" EUE pin	x	2 7/8" EUE box
XOS-EUE0-2710	2 7/8" EUE pin	x	2 7/8" NU 1ORD box
XOS-EUE0-2712	2 7/8" EUE pin	x	2 7/8" PH-6/TS-6 box
XOS-EUE0-2713	2 7/8" EUE pin	x	2 7/8" VAM box
XOS-EUE0-2720	2 7/8" EUE pin	x	WT26 box
XOS-EUE0-2714	2 7/8" EUE pin	x	3 1/2" EUE box
XOS-EUE0-2717	2 7/8" EUE pin	x	NC38 (3 1/2" IF) box
XOS-EUE0-2716	2 7/8" EUE pin	x	3 1/2" VAM box
XOS-EUE0-2719	2 7/8" EUE pin	x	NC50 (4 1/2" IF) box
XOS-EUE0-2701	2 7/8" EUE box	x	2 7/8" EUE box
XOS-EUE0-2702	2 7/8" EUE box	x	2 7/8" VAM box
XOS-EUE0-2703	2 7/8" EUE box	x	3 1/2" PH-6/TS-6 box
XOS-EUE0-2711	2 7/8" EUE pin	x	2 7/8" NU 1ORD pin
XOS-EUE0-2718	2 7/8" EUE pin	x	NC38 (3 1/2" IF) pin
XOS-EUE0-3102	3 1/2" EUE pin	x	NC38 (3 1/2" IF) box
XOS-EUE0-3103	3 1/2" EUE pin	x	NC50 (4 1/2" IF) box
XOS-EUE0-3104	3 1/2" EUE pin	x	4 1/2" VAM box
XOS-EUE0-4101	4 1/2" EUE 8RD pin	x	NC50 (4 1/2" IF) box
XOS-NU10-2301	2 3/8" NU 10 RND pin	x	2 7/8" PAC box
XOS-NU10-2302	2 3/8" NU 10 RND pin	x	2 7/8" PH-6/TS-6 box
	Plus inspection		

### X-OVER SUBS – API REGULAR

XOS-REG0-2301	2 3/8" REG pin	x	2 3/8" PH-6 box
XOS-REG0-2309	2 3/8" REG pin	x	2 3/8" Reg box w/jet holes
XOS-REG0-2304	2 3/8" REG pin	x	2 7/8" PH-6/TS-6 box
XOS-REG0-2303	2 3/8" REG pin	x	2 7/8" REG box
XOS-REG0-2305	2 3/8" REG pin	x	WT23 box
XOS-REG0-2308	2 3/8" REG pin	x	WT26 box
XOS-REG0-2306	2 3/8" REG box	x	2 3/8" REG box w/jet nossles
XOS-REG0-2302	2 3/8" REG pin	x	2 3/8" REG pin
XOS-REG0-2307	2 3/8" REG pin	x	3 1/2" REG pin
XOS-REG0-2703	2 7/8" REG pin	x	2 7/8" PH-6/TS-6 box
XOS-REG0-2704	2 7/8" REG pin	x	WT23 box
XOS-REG0-2706	2 7/8" REG pin	x	3 1/2" TS-6 box
XOS-REG0-2707	2 7/8" REG pin	x	WT26 box
XOS-REG0-2708	2 7/8" REG pin	x	NC38 box
XOS-REG0-2709	2 7/8" REG pin	x	MT26 box
XOS-REG0-2702	2 7/8" REG pin	x	2 7/8" PAC pin
XOS-REG0-2705	2 7/8" REG pin	x	WT23 pin
XOS-REG0-3101	3 1/2" REG pin	x	WT23 box

Prices are subject to change without notice.  
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XOS-REG0-3102	3 1/2" REG box	x	5" Hydril 521 box
XOS-REG0-3103	3 1/2" REG box	x	XT39 box
XOS-REG0-4101	4 1/2" REG pin	x	NC50 (4 1/2" IF) box
XOS-REG0-4102	4 1/2" REG box	x	6 5/8" REG box
XOS-REG0-4103	4 1/2" REG pin	x	6 5/8" Reg pin
XOS-REG0-6501	6 5/8" REG pin	x	NC50 (4 1/2" IF) box
XOS-REG0-6502	6 5/8" REG pin	x	NC50 VAM EIS box
XOS-REG0-6507	6 5/8" REG pin	x	WT50 box
XOS-REG0-6503	6 5/8" REG pin	x	5 1/2" FH box
XOS-REG0-6514	6 5/8" REG pin	x	5 1/2" FH VAM EIS box
XOS-REG0-6505	6 5/8" REG pin	x	HT55-375 box
XOS-REG0-6515	6 5/8" REG pin	x	XT57 box
XOS-REG0-6516	6 5/8" REG pin	x	DS55 box
XOS-REG0-6508	6 5/8" REG pin	x	6 5/8" FH box
XOS-REG0-6512	6 5/8" REG pin	x	7 5/8" REG box
XOS-REG0-6518	6 5/8" REG pin	x	TT550 box
XOS-REG0-6519	6 5/8" REG pin	x	MT57 box
XOS-REG0-6509	6 5/8" REG box	x	6 5/8" FH box
XOS-REG0-6511	6 5/8" REG box	x	6 5/8" REG box
XOS-REG0-6513	6 5/8" REG box	x	7 5/8" REG box
XOS-REG0-6510	6 5/8" REG pin	x	6 5/8" FH pin
XOS-RELH-6501	6 5/8" REG LH pin	x	NC50 LH box
XOS-RELH-6502	6 5/8" REG LH pin	x	6 5/8" REG box
XOS-RELH-6503	6 5/8" REG LH pin	x	6 5/8" REG LH box
XOS-REG0-7508	7 5/8" REG pin	x	5 1/2" FH DSTJ box
XOS-REG0-7501	7 5/8" REG pin	x	HT55-375 box
XOS-REG0-7503	7 5/8" REG pin	x	6 5/8" FH box
XOS-REG0-7504	7 5/8" REG pin	x	6 5/8" REG box
XOS-REG0-7509	7 5/8" REG pin	x	MT57 box
XOS-REG0-7505	7 5/8" REG box	x	7 5/8" REG box
XOS-REG0-7506	7 5/8" REG pin	x	7 5/8" REG pin
	Plus inspection		

### X-OVER SUBS – FH / FH VAM EIS / FH DSTJ

XOS-FH00-5105	5 1/2" FH pin	x	NC38 box
XOS-FH00-5101	5 1/2" FH pin	x	NC50 box
XOS-FH00-5109	5 1/2" FH pin	x	NC50 VAM EIS box
XOS-FH00-5102	5 1/2" FH pin	x	5 1/2" FH box
XOS-FH00-5106	5 1/2" FH pin	x	HT55-375 box
XOS-FH00-5110	5 1/2" FH pin	x	XT57 box
XOS-FH00-5104	5 1/2" FH pin	x	6 5/8" REG box
XOS-FH00-5111	5 1/2" FH pin	x	6 5/8" FH box
XOS-FH00-5112	5 1/2" FH pin	x	TT550 box
XOS-FH00-5113	5 1/2" FH pin	x	MT57 box
XOS-FH00-5108	5 1/2" FH box	x	6 5/8" REG box

Prices are subject to change without notice.  
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XOS-FHVA-5101	5 1/2" FH VAM EIS pin	x	NC38 (3 1/2" IF) box
XOS-FHVA-5108	5 1/2" FH VAM EIS pin	x	NC50 (4 1/2" IF) box
XOS-FHVA-5103	5 1/2" FH VAM EIS pin	x	NC50 VAM EIS box
XOS-FHVA-5102	5 1/2" FH VAM EIS pin	x	HT55-375 box
XOS-FHVA-5104	5 1/2" FH VAM EIS pin	x	5 1/2" FH VAM EIS box
XOS-FHVA-5107	5 1/2" FH VAM EIS pin	x	6 5/8" FH box
XOS-FHVA-5105	5 1/2" FH VAM EIS pin	x	6 5/8" FH VAM EIS box
XOS-FHVA-5109	5 1/2" FH VAM EIS pin	x	DS55 box
XOS-FHVA-5110	5 1/2" FH VAM EIS pin	x	6 5/8" REG box
XOS-FHVA-5111	5 1/2" FH VAM EIS pin	x	XT57 box
XOS-FHVA-6501	6 5/8" FH VAM EIS pin	x	5 1/2" FH VAM EIS box
XOS-FHVA-6502	6 5/8" FH VAM EIS pin	x	XT57 box
XOS-FH00-6501	6 5/8" FH pin	x	NC50 (4 1/2" IF) box
XOS-FH00-6510	6 5/8" FH pin	x	5 1/2" FH box
XOS-FH00-6502	6 5/8" FH pin	x	5 1/2" FH DSTJ box
XOS-FH00-6503	6 5/8" FH pin	x	HT55-375 box
XOS-FH00-6504	6 5/8" FH pin	x	5 1/2" FH VAM EIS box
XOS-FH00-6506	6 5/8" FH pin	x	6 5/8" FH box
XOS-FH00-6507	6 5/8" FH pin	x	6 5/8" REG box
XOS-FH00-6508	6 5/8" FH pin	x	7 5/8" REG box
XOS-FH00-6511	6 5/8" FH pin	x	DS55 box
XOS-FH00-6512	6 5/8" FH pin	x	TT550 box
XOS-FH00-6513	6 5/8" FH pin	x	MT57 box
XOS-DSTJ-5102	5 1/2" FH DSTJ pin	x	NC50 (4 1/2" IF) box
XOS-DSTJ-5103	5 1/2" FH DSTJ pin	x	HT55-375 box
XOS-DSTJ-5104	5 1/2" FH DSTJ pin	x	5 1/2" IF ES box
XOS-DSTJ-5105	5 1/2" FH DSTJ pin	x	5 1/2" FH VAM EIS box
XOS-DSTJ-5107	5 1/2" FH DSTJ pin	x	6 5/8" FH box
XOS-DSTJ-5109	5 1/2" FH DSTJ pin	x	6 5/8" REG box
XOS-DSTJ-5111	5 1/2" FH DSTJ pin	x	7 5/8" REG box
XOS-DSTJ-5110	5 1/2" FH DSTJ pin	x	6 5/8" REG pin

Plus inspection

#### X-OVER SUBS – DS50

XOS-DS50-0001	DS50 pin	x	NC50 box
XOS-DS50-0002	DS50 pin	x	5 1/2" FH box
XOS-DS50-0003	DS50 pin	x	MT57 box

Plus inspection

#### X-OVER SUBS – HT55

XOS-HT55-5101	HT55-375 pin	x	NC38 (3 1/2" IF) box
XOS-HT55-5115	HT55-375 pin	x	HT50 (4 1/2") box
XOS-HT55-5102	HT55-375 pin	x	NC50 (4 1/2" IF) box
XOS-HT55-5114	HT55-375 pin	x	5 1/2" FH box
XOS-HT55-5117	HT55-375 pin	x	5 1/2" FH VAM EIS box
XOS-HT55-5106	HT55-375 pin	x	HT55-375 box
XOS-HT55-5109	HT55-375 pin	x	6 5/8" FH box
XOS-HT55-5110	HT55-375 pin	x	6 5/8" REG box
XOS-HT55-5112	HT55-375 pin	x	7 5/8" REG box
XOS-HT55-5104	HT55-375 box	x	HT55-375 box

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XOS-HT55-5105	HT55-375 pin	x	HT55-375 pin
XOS-HT55-5111	HT55-375 pin	x	6 5/8" REG pin
XOS-HT55-5116	HT55-375 pin	x	7 5/8" REG pin
XOS-HT55-5118	5 1/2" HT55-375 pin	x	DS55 box
XOS-HT55-5119	5 1/2" HT55-375 pin	x	TT390 box

Plus inspection

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### X-OVER SUBS – HYDRIL 500 SERIES

XOS-5110-2301	2 3/8" Hydril 511 pin	x	NC38 (3 1/2" IF) box
XOS-5110-2701	2 7/8" Hydril 511 pin	x	2 7/8" PH-6 box
XOS-5110-3101	3 1/2" Hydril 511 pin	x	4 1/2" IF Mod box
XOS-5110-4005	4" Hydril 511 pin	x	2 7/8" PH-6 box
XOS-5110-4003	4" Hydril 511 pin	x	NC38 (3 1/2" IF) box
XOS-5110-4006	4" Hydril 511 pin	x	3 1/2" PH-6 box
XOS-5110-4001	4" Hydril 511 pin	x	3 1/2" VAM ACE box
XOS-5110-4004	4" Hydril 511 pin	x	NC50 (4 1/2" IF) box
XOS-5110-4101	4 1/2" Hydril 511 pin	x	NC50 (4 1/2" IF) box
XOS-5210-5001	5" Hydril 521 pin	x	WT46 box
XOS-5210-5003	5" Hydril 521 pin	x	6 5/8" HYD. MAC box
XOS-5330-2702	2 7/8" Hydril 533 pin	x	2 7/8" EUE box
XOS-5330-2701	2 7/8" Hydril 533 pin	x	2 7/8" PH-6/TS-6 box
XOS-5330-2704	2 7/8" Hydril 533 box	x	2 7/8" Hydril 533 box
XOS-5330-2703	2 7/8" Hydril 533 pin	x	2 7/8" Hydril 533 pin
XOS-5330-3124	3 1/2" 533 (12.95#) pin	x	3 1/2" PH-6 (12.95#) box
XOS-5330-3122	3 1/2" 533 (15.8#) pin	x	3 1/2" Hydril PH-6 box
XOS-5330-3120	3 1/2" 533 (15.8#) pin	x	5" Hydril 563 box
XOS-5330-3123	3 1/2" 533 (15.8#) pin	x	NC50 box
XOS-5330-3121	3 1/2" 533 (15.8#) pin	x	5"-4 Hal.ACME 2G pin
XOS-5330-3125	3 1/2" 533 (15.8#) pin	x	4 1/2" Hydril 563 (23.7#) pin
XOS-5630-3120	3 1/2" 563 (15.5#)pin	x	4 1/2"-4 ACME -2G box
XOS-5630-3126	3 1/2" 563 (15.5#) pin	x	5" STUB ACME 4 TPI box
XOS-5630-3121	3 1/2" 563 (15.5#) pin	x	NC50 box
XOS-5630-3125	3 1/2" 563 (15.5#) pin	x	3 1/2" PH-6 (15.8#) pin
XOS-5630-4101	4 1/2" Hydril 563 pin	x	NC38 (3 1/2" IF) box
XOS-5630-4102	4 1/2" Hydril 563 pin	x	NC50 (4 1/2" IF) box
XOS-5630-4113	4 1/2" Hydril 563 pin	x	3 1/2" PH-6 (12.95#) box
XOS-5630-4103	4 1/2" Hydril 563 pin	x	4 1/2"-4 HAL.ACME box
XOS-5630-4105	4 1/2" Hydril 563 pin	x	4 1/2" PH-4 box
XOS-5630-4106	4 1/2" Hydril 563 pin	x	5"-4 SCH. SA box
XOS-5630-4116	4 1/2" Hydril 563 pin	x	5"-4 ACME 2G box
XOS-5630-4117	4 1/2" Hydril 563 pin	x	5"-STUB ACME 4 TPI box
XOS-5630-4108	4 1/2" Hydril 563 pin	x	5 1/2" HT55-375 box
XOS-5630-4120	4 1/2" Hydril 563 pin	x	5 1/2" TS-4 box
XOS-5630-4111	4 1/2" Hydril 563 pin	x	5 1/2" VAM ACE box

Prices are subject to change without notice.

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XOS-5630-4104	4 1/2" Hydril 563 pin	x	4 1/2"-4 HAL.ACME pin
XOS-5630-4114	4 1/2" Hydril 563 pin	x	4 1/2" PH-4 pin
XOS-5630-4107	4 1/2" Hydril 563 pin	x	5"-4 SCH. SA pin
XOS-5630-4112	4 1/2" Hydril 563 pin	x	5"-4 ACME 2G pin
XOS-5630-4115	4 1/2" Hydril 563 pin	x	5" Hydril 563 (23.2#) pin
XOS-5630-4118	4 1/2" Hydril 563 pin	x	5"-STUB ACME 4 TPI pin
XOS-5630-4121	4 1/2" Hydril 563 pin	x	5 1/2" TS-4 pin
XOS-5630-4109	4 1/2" Hydril 563 pin	x	5 3/4" HAL. SA pin
XOS-5630-4110	4 1/2" Hydril 563 pin	x	6 1/2"-4 SCH. ACME pin
XOS-5630-5011	5" Hydril 563 pin	x	3 1/2" PH-6(12,95#) box
XOS-5630-5004	5" Hydril 563 pin	x	NC50 (4 1/2" IF) box
XOS-5630-5010	5" Hydril 563 pin	x	4 1/2" TS-6 box
XOS-5630-5007	5" Hydril 563 pin	x	4 1/2" PH-4 box
XOS-5630-5008	5" Hydril 563 pin	x	4 1/2"-4 2G ACME box
XOS-5630-5001	5" Hydril 563 pin	x	5"-4 SA box
XOS-5630-5006	5" Hydril 563 pin	x	4 1/2"-4 HAL.ACME pin
XOS-5630-5002	5" Hydril 563 pin	x	5"-4 SA pin
XOS-5630-5009	5" Hydril 563 pin	x	5"-4 2G ACME pin

Plus inspection

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#### X-OVER SUBS – HYDRIL CS

XOS-CS00-2301	2 3/8" CS pin	x	2 3/8" EUE box
XOS-CS00-2703	2 7/8" CS pin	x	3 1/2" PH-6/TS-6 box
XOS-CS00-3101	3 1/2" CS pin	x	NC38 (3 1/2" IF) box
XOS-CS00-3103	3 1/2" CS pin	x	5"-4 SA pin
XOS-CS00-5001	5" CS pin	x	NC38 (3 1/2" IF) box
XOS-CS00-5003	5" CS pin	x	4 1/2"-4 ACME box
XOS-CS00-5005	5" CS pin	x	4 1/2"-4 HAL.ACME box
XOS-CS00-5007	5" CS pin	x	4 1/2"-4 SA box
XOS-CS00-5008	5" CS pin	x	4 3/4"-4 SA box
XOS-CS00-5012	5" CS pin	x	5"-4 SA (15K) box
XOS-CS00-5010	5" CS pin	x	5"-4 EXPRO SA box
XOS-CS00-5014	5" CS pin	x	5" NEW VAM box
XOS-CS00-5004	5" CS pin	x	4 1/2"-4 ACME pin
XOS-CS00-5011	5" CS pin	x	5"-4 EXPRO SA pin
XOS-CS00-5013	5" CS pin	x	5"-4 SA pin

Plus inspection

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#### X-OVER SUBS – HYDRIL PH4

XOS-PH04-3101	3 1/2" PH-4 pin	x	3 1/2" PH-6/TS-6 box
XOS-PH04-4101	4 1/2" PH-4 pin	x	4 1/2" Hydril 563 box
XOS-PH04-4105	4 1/2" PH-4 pin	x	5" -4 SA pin
XOS-PH04-4106	4 1/2" PH-4 pin	x	5 3/4" -4 HAL.ACME pin
XOS-PH04-4107	4 1/2" PH-4 pin	x	5" -4 HAL.ACME pin
XOS-PH04-4108	4 1/2" PH-4 pin	x	6 1/2" -4 SA 10K pin

Prices are subject to change without notice.

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XOS-PH04-5101	5 1/2" TS-4 pin	x	3 1/2" TS-6 box
	Plus inspection		

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**X-OVER SUBS – HYDRIL PH6 / TPS TS6**

XOS-PH06-2302	2 3/8" PH-6 pin	x	2 3/8" CS box
XOS-PH06-2303	2 3/8" PH-6 pin	x	2 3/8" EUE box
XOS-PH06-2312	2 3/8" PH-6 pin	x	2 3/8" PH-6 box
XOS-PH06-2306	2 3/8" PH-6 pin	x	2 7/8" EUE box
XOS-PH06-2307	2 3/8" PH-6 pin	x	2 7/8" PH-6/TS-6 box
XOS-PH06-2314	2 3/8" PH-6 pin	x	NC38 (3 1/2" IF) box
XOS-PH06-2308	2 3/8" PH-6 pin	x	3 1/2" PH-6/TS-6 box
XOS-PH06-2309	2 3/8" PH-6 pin	x	4 1/2" BDS box
XOS-PH06-2311	2 3/8" PH-6 pin	x	5" CS box
XOS-PH06-2313	2 3/8" PH-6 pin	x	5 1/2" BDS box
XOS-PH06-2304	2 3/8" PH-6 box	x	2 3/8" PH-6 box
XOS-PH06-2701	2 7/8" PH-6/TS-6 pin	x	2 3/8" PH-6 box
XOS-PH06-2704	2 7/8" PH-6/TS-6 pin	x	2 7/8" EUE box
XOS-PH06-2705	2 7/8" PH-6/TS-6 pin	x	2 7/8" Hydril 533 box
XOS-PH06-2706	2 7/8" PH-6/TS-6 pin	x	2 7/8" Hydril FJ box
XOS-PH06-2707	2 7/8" PH-6/TS-6 pin	x	2 7/8" PAC DSI box
XOS-PH06-2709	2 7/8" PH-6/TS-6 pin	x	2 7/8" PH-6/TS-6 pin
XOS-PH06-2710	2 7/8" PH-6/TS-6 pin	x	2 7/8" PH-6/TS-6 box w/wheel
XOS-PH06-2712	2 7/8" PH-6/TS-6 pin	x	WT23 box
XOS-PH06-2713	2 7/8" PH-6/TS-6 pin	x	NC38 (3 1/2" IF) box
XOS-PH06-2714	2 7/8" PH-6/TS-6 pin	x	3 1/2" PH-6/TS-6 box
XOS-PH06-2715	2 7/8" PH-6/TS-6 pin	x	NC50 (4 1/2" IF) box
XOS-PH06-2718	2 7/8" TS-6 pin	x	5 1/2" FH VAM EIS box
XOS-PH06-2702	2 7/8" PH-6/TS-6 box	x	2 3/8" REG box
XOS-PH06-2719	2 7/8" PH-6/TS-6 box	x	2 7/8" REG box
XOS-PH06-2708	2 7/8" PH-6/TS-6 box	x	2 7/8" PH-6/TS-6 box
XOS-PH06-2703	2 7/8" PH-6/TS-6 pin	x	2 3/8" REG pin
XOS-PH06-2711	2 7/8" PH-6/TS-6 pin	x	2 7/8" PH-6/TS-6 pin
XOS-PH06-3154	3 1/2" TS-6 pin	x	3 3/4"-6 SA 2G pin
XOS-PH06-3155	3 1/2" TS-6 pin	x	3 1/2" TS-6 box
XOS-PH06-3158	3 1/2" TS-6 pin	x	5 1/2" NSCC (20#) box
XOS-PH06-3101	3 1/2" PH-6/TS-6 pin	x	2 7/8" EUE box
XOS-PH06-3102	3 1/2" PH-6/TS-6 pin	x	2 7/8" PH-6/TS-6 box
XOS-PH06-3105	3 1/2" PH-6/TS-6 pin	x	NC38 (3 1/2" IF) box
XOS-PH06-3107	3 1/2" PH-6/TS-6 pin	x	3 1/2" PH-4 box
XOS-PH06-3109	3 1/2" PH-6/TS-6 pin	x	3 1/2" PH-6/TS-6 box
XOS-PH06-3110	3 1/2" PH-6/TS-6 pin	x	3 1/2" PH-6/TS-6 box w/wheel
XOS-PH06-3150	3 1/2" PH-6 (12.95#) pin	x	3 1/2" Hydril 533 (12.95#) box
XOS-PH06-3151	3 1/2" PH-6 (15.8#) pin	x	3 1/2" Hydril 533 (15.8#) box
XOS-PH06-3118	3 1/2" PH-6/TS-6 pin	x	4 1/2"-4 ACME box
XOS-PH06-3121	3 1/2" PH-6/TS-6 pin	x	4 1/2" Hydril 563 box
XOS-PH06-3123	3 1/2" PH-6/TS-6 pin	x	NC50 (4 1/2" IF) box
XOS-PH06-3122	3 1/2" PH-6/TS-6 pin	x	4 1/2" IF MOD box
XOS-PH06-3124	3 1/2" PH-6/TS-6 pin	x	4 1/2" OA box
XOS-PH06-3125	3 1/2" PH-6/TS-6 pin	x	4 1/2" PH-4 box
XOS-PH06-3148	3 1/2" PH-6/TS-6 pin	x	4 1/2" PH-6 box
XOS-PH06-3152	3 1/2" PH-6 (15.8#) pin	x	4 1/2" VAM TOP (12.6#) box

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XOS-PH06-3126	3 1/2" PH-6/TS-6 pin	x	4 3/4"-4 SA box
XOS-PH06-3130	3 1/2" PH-6/TS-6 pin	x	5"-4 SA (15K) box
XOS-PH06-3147	3 1/2" PH-6/TS-6 pin	x	5" BDS box
XOS-PH06-3133	3 1/2" PH-6/TS-6 pin	x	5" CS box
XOS-PH06-3135	3 1/2" PH-6/TS-6 pin	x	5" VAM box
XOS-PH06-3138	3 1/2" PH-6/TS-6 pin	x	5 1/2" FH box
XOS-PH06-3143	3 1/2" PH-6/TS-6 pin	x	5 1/2" NEW VAM box
XOS-PH06-3160	3 1/2" TS-6 (15.8#) pin	x	5 1/2" TS-4 (28.4#) box
XOS-PH06-3103	3 1/2" PH-6/TS-6 box	x	2 7/8" REG box
XOS-PH06-3108	3 1/2" PH-6/TS-6 box	x	3 1/2" PH-6/TS-6 box
XOS-PH06-3156	3 1/2" PH-6 (12.95#) pin	x	4" SLHT (9.5#) pin
XOS-PH06-3119	3 1/2" PH-6/TS-6 pin	x	4 1/2"-4 ACME pin
XOS-PH06-3120	3 1/2" PH-6/TS-6 pin	x	4 1/2"-4 SA pin
XOS-PH06-3153	3 1/2" PH-6 (12.95#) pin	x	4 1/2" Hydril 563 (23,7#) pin
XOS-PH06-3159	3 1/2" TS-6 (15.8#) pin	x	4 3/4"-4 STUB ACME pin
XOS-PH06-3129	3 1/2" PH-6/TS-6 pin	x	5"-4 SA pin
XOS-PH06-3145	3 1/2" PH-6/TS-6 pin	x	5"-4 HAL.ACME pin
XOS-PH06-3132	3 1/2" PH-6/TS-6 pin	x	5" BEA MAG pin
XOS-PH06-3149	3 1/2" PH-6/TS-6 pin	x	5" Hydril 563 pin
XOS-PH06-3141	3 1/2" PH-6/TS-6 pin	x	5 3/4"-4 SA pin
XOS-PH06-3142	3 1/2" PH-6/TS-6 pin	x	6 1/2"-4 SA pin
XOS-PH06-4106	4 1/2" PH-6 pin	x	3 1/2" PH-6 box
XOS-PH06-4107	4 1/2" PH-6 pin	x	4 1/2" 563 (23,7#) box
XOS-PH06-4103	4 1/2" PH-6 pin	x	5"-4 SA box
XOS-PH06-4105	4 1/2" PH-6 pin	x	5 1/2" FH box
XOS-PH06-4109	4 1/2" TS-6 pin	x	NC50 box
XOS-PH06-4102	4 1/2" PH-6 pin	x	5"-4 SA pin
XOS-PH06-4104	4 1/2" PH-6 pin	x	5"-4 2G ACME pin
XOS-PH06-4108	4 1/2" TS-6 (15.5#) pin	x	5" Hydril 563 pin

Plus inspection

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**X-OVER SUBS – HYDRIL SLX**

XOS-SLX0-7501	7 5/8" Hydril SLX	x	NC50 (4 1/2" IF) box
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Plus inspection

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**X-OVER SUBS – HYDRIL TAC1**

XOS-TAC1-5001	5" TAC 1 pin	x	NC38 (3 1/2" IF) box
XOS-TAC1-5102	5 1/2" TAC 1 (20#) pin	x	5"-4 SA box
XOS-TAC1-5103	5 1/2" TAC 1 (20#) pin	x	6 1/2"-4 SA pin

Plus inspection

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**X-OVER SUBS – HYDRIL WEDGE THREAD**

XOS-WT23-0004	WT23 pin	x	2 3/8" REG box
XOS-WT23-0006	WT23 pin	x	2 7/8" PAC box
XOS-WT23-0007	WT23 pin	x	2 7/8" PAC DSI box

Prices are subject to change without notice.  
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XOS-WT23-0008	WT23 pin	x	2 7/8" PH-6/TS-6 box
XOS-WT23-0009	WT23 pin	x	2 7/8" REG box
XOS-WT23-0016	WT23 pin	x	WT26 box
XOS-WT23-0010	WT23 pin	x	WT38 box
XOS-WT23-0017	WT23 pin	x	NC31 (2 7/8" IF) box
XOS-WT23-0011	WT23 pin	x	NC38 (3 1/2" IF) box
XOS-WT23-0012	WT23 pin	x	NC50 (4 1/2" IF) box
XOS-WT23-0001	WT23 box	x	2 3/8" REG box
XOS-WT23-0002	WT23 box	x	2 7/8" REG box
XOS-WT23-0003	WT23 box	x	WT23 box
XOS-WT23-0013	WT23 pin	x	2 3/8" REG pin
XOS-WT23-0015	WT23 pin	x	WT23 pin
XOS-WT23-0014	WT23 pin	x	NC38 (3 1/2" IF) pin
XOS-WT26-0001	WT26 pin	x	WT23 box
XOS-WT26-0002	WT26 pin	x	NC38 (3 1/2" IF) box
XOS-WT26-0008	WT26 pin	x	VX39 box
XOS-WT26-0007	WT26 pin	x	3 1/2" PH6 box
XOS-WT26-0003	WT26 pin	x	NC50 (4 1/2" IF) box
XOS-WT26-0005	WT26 box	x	2 3/8" REG box
XOS-WT26-0004	WT26 box	x	2 7/8" REG box
XOS-WT38-0001	WT38 pin	x	NC38 (3 1/2" IF) box
XOS-WT38-0002	WT38 pin	x	NC50 (4 1/2" IF) box
XOS-WT38-0005	WT38 pin	x	5 1/2" FH VAM EIS box
XOS-WT38-0003	WT38 pin	x	6 5/8" FH box
XOS-WT38-0004	WT38 box	x	3 1/2" REG box
XOS-WT46-0003	WT46 pin	x	5" Hydril 521 box
XOS-WT50-0002	WT50 pin	x	NC50 (4 1/2" IF) box
XOS-WT50-0001	WT50 box	x	4 1/2" REG box
	Plus inspection		

#### X-OVER SUBS – KS BEAR / NK3SB / NSCC / NSCT / FOX / LTC

XOS-KSBE-6508	6 5/8" KS-BEAR pin	x	5 1/2" FH box
XOS-NK3S-5001	5" NK3SB pin	x	NC50 (4 1/2" IF) box
XOS-NK3S-5101	5 1/2" NK3SB pin	x	NC50 (4 1/2" IF) box
XOS-NK3S-5102	5 1/2" NK3SB pin	x	5 1/2" FH box
XOS-NK3S-5103	5 1/2" NK3SB pin	x	6 5/8" FH box
XOS-NSCC-5101	5 1/2" NSCC pin	x	NC50 (4 1/2" IF) box
XOS-NSCC-5103	5 1/2" NSCC pin	x	5"-4 SA box (key slot)
XOS-NSCC-5102	5 1/2" NSCC pin	x	NC50 (4 1/2" IF) pin
XOS-NSCC-5104	5 1/2" NSCC (20#) pin	x	dpm
XOS-NSCC-7001	7" NSCC pin	x	NC50 (4 1/2" IF) box
XOS-NSCC-9501	9 5/8" NSCC pin	x	NC50 (4 1/2" IF) box

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XOS-NSCT-3101	3 1/2" NS-CT pin	x	NC38 (3 1/2" IF) box
XOS-NSCT-4001	4 1/2" NS-CT pin	x	5" TSH 563 box
XOS-FOX0-7000	7" FOX pin	x	HT55-375 box
XOS-LTC0-6501	6 5/8" LTC pin	x	NC50 box
	Plus inspection		

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### X-OVER SUBS – MT

XOS-MT39-0001	MT39 pin	x	NC50 box
XOS-MT57-0001	MT57 pin	x	7 5/8" REG box
XOS-MT57-0002	MT57 pin	x	6 5/8" REG box
XOS-MT57-0003	MT57 pin	x	NC50 box
XOS-MT57-0004	MT57 pin	x	5 1/2" FH box
XOS-MT57-0005	MT57 pin	x	6 5/8" FH box
XOS-MT57-0006	MT57 pin	x	DS50 box
XOS-MT57-0007	MT57 pin	x	XT57 box
XOS-MT57-0008	MT57 pin	x	NC38 box
XOS-MT57-0009	MT57 pin	x	VX39 box
XOS-MT57-0010	MT57 pin	x	TT390 box
	Plus inspection		

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### X-OVER SUBS – NC

XOS-NC26-0003	NC26 (2 3/8" IF) pin	x	2 7/8" PH-6/TS-6 box
XOS-NC26-0004	NC26 (2 3/8" IF) pin	x	WT23 box
XOS-NC31-0004	NC31 (2 7/8" IF) pin	x	2 7/8" TS-6 box
XOS-NC31-0002	NC31 (2 7/8" IF) pin	x	WT23 box
XOS-NC38-0004	NC38 (3 1/2" IF) pin	x	2 7/8" EUE box
XOS-NC38-0005	NC38 (3 1/2" IF) pin	x	2 7/8" PH-6/TS-6 box
XOS-NC38-0006	NC38 (3 1/2" IF) pin	x	WT23 box
XOS-NC38-0043	NC38 (3 1/2" IF) pin	x	WT26 box
XOS-NC38-0007	NC38 (3 1/2" IF) pin	x	3 1/2" EUE box
XOS-NC38-0009	NC38 (3 1/2" IF) pin	x	NC38 (3 1/2" IF) box
XOS-NC38-0010	NC38 (3 1/2" IF) pin	x	3 1/2" NEW VAM box
XOS-NC38-0011	NC38 (3 1/2" IF) pin	x	3 1/2" PH-4 box
XOS-NC38-0012	NC38 (3 1/2" IF) pin	x	3 1/2" PH-6/TS-6 box (12.95#)
XOS-NC38-0013	NC38 (3 1/2" IF) pin	x	3 1/2" PH-6/TS-6 box (15.8#)
XOS-NC38-0016	NC38 (3 1/2" IF) pin	x	3 1/2" REG box
XOS-NC38-0046	NC38 (3 1/2" IF) pin	x	VX39 box
XOS-NC38-0049	NC38 (3 1/2" IF) pin	x	TT390 box
XOS-NC38-0039	NC38 (3 1/2" IF) pin	x	WT38 box
XOS-NC38-0017	NC38 (3 1/2" IF) pin	x	NC46 (4" IF) box
XOS-NC38-0020	NC38 (3 1/2" IF) pin	x	4 1/2" IF MOD box
XOS-NC38-0021	NC38 (3 1/2" IF) pin	x	NC50 (4 1/2" IF) box
XOS-NC38-0018	NC38 (3 1/2" IF) pin	x	4 1/2" Hydril 563 (12,6#) box
XOS-NC38-0047	NC38 (3 1/2" IF) pin	x	4 1/2" TSH 563 (23,7#) box
XOS-NC38-0022	NC38 (3 1/2" IF) pin	x	4 1/2" PH-6 box
XOS-NC38-0024	NC38 (3 1/2" IF) pin	x	4 3/4"-4 SA box

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XOS-NC38-0027	NC38 (3 1/2" IF) pin	x	5" NEW VAM box
XOS-NC38-0028	NC38 (3 1/2" IF) pin	x	5" TAC 1 box
XOS-NC38-0029	NC38 (3 1/2" IF) pin	x	WT50 box
XOS-NC38-0030	NC38 (3 1/2" IF) pin	x	5 1/2" FH box
XOS-NC38-0031	NC38 (3 1/2" IF) pin	x	5 1/2" FH DSTJ box
XOS-NC38-0033	NC38 (3 1/2" IF) pin	x	HT55-375 box
XOS-NC38-0001	NC38 (3 1/2" IF) box	x	3 1/2" PH-6 box
XOS-NC38-0002	NC38 (3 1/2" IF) box	x	3 1/2" REG box
XOS-NC38-0040	NC38 (3 1/2" IF) pin	x	NC38 (3 1/2" IF) pin
XOS-NC38-0014	NC38 (3 1/2" IF) pin	x	3 1/2" PH-6/TS-6 pin
XOS-NC38-0015	NC38 (3 1/2" IF) pin	x	3 1/2" REG pin
XOS-NC38-0023	NC38 (3 1/2" IF) pin	x	4 1/2" REG pin
XOS-NC38-0032	NC38 (3 1/2" IF) pin	x	5 1/2" FH pin
XOS-NC38-0044	NC38 VAM EIS pin	x	WT38 box
XOS-NC38-0035	NC38 VAM EIS pin	x	TT-390 box
XOS-NC38-0036	NC38 VAM EIS pin	x	NC50 VAM EIS box
XOS-NC38-0045	NC38 VAM EIS pin	x	5 1/2" FH VAM EIS box
XOS-NC38-0048	NC38 pin	x	DS55 pin
XOS-NC38-0050	NC38 pin	x	DS50 box
XOS-NC38-0051	NC38 pin	x	NC40 box
XOS-NC38-0052	NC38 pin	x	MT39 box
XOS-NC38-0053	NC38 pin	x	XT39 box
XOS-NC38-0054	NC38 pin	x	MT57 box
XOS-NC40-0001	NC40 pin	x	NC38 box
XOS-NC46-0001	NC46 (4" IF) pin	x	NC38 (3 1/2" IF) box
XOS-NC46-0003	NC46 (4" IF) pin	x	NC50 (4 1/2" IF) box
XOS-NC46-0002	NC46 (4" IF) pin	x	HT55-375 box
XOS-NC46-0004	NC46 (4" IF) pin	x	4 1/2" REG pin
XOS-NC50-0001	NC50 (4 1/2" IF) pin	x	WT23 box
XOS-NC50-0003	NC50 (4 1/2" IF) pin	x	3 1/2" EUE box
XOS-NC50-0004	NC50 (4 1/2" IF) pin	x	NC38 (3 1/2" IF) box
XOS-NC50-0005	NC50 (4 1/2" IF) pin	x	3 1/2" PH-6/TS-6 box (12.95#)
XOS-NC50-0055	NC50 (4 1/2" IF) pin	x	WT38 box
XOS-NC50-0007	NC50 (4 1/2" IF) pin	x	4 1/2" 8RD EU box
XOS-NC50-0009	NC50 (4 1/2" IF) pin	x	4 1/2" IF MOD box
XOS-NC50-0010	NC50 (4 1/2" IF) pin	x	NC50 (4 1/2" IF) box
XOS-NC50-0053	NC50 (4 1/2" IF) pin	x	NC50 VAM EIS box
XOS-NC50-0039	NC50 (4 1/2" IF) pin	x	4 1/2" REG box
XOS-NC50-0052	NC50 (4 1/2" IF) pin	x	4 1/2" PH4 (24#) box
XOS-NC50-0018	NC50 (4 1/2" IF) pin	x	5"-4 SA box
XOS-NC50-0019	NC50 (4 1/2" IF) pin	x	5" CS box
XOS-NC50-0020	NC50 (4 1/2" IF) pin	x	5" LTC box
XOS-NC50-0021	NC50 (4 1/2" IF) pin	x	5" NEW VAM box
XOS-NC50-0022	NC50 (4 1/2" IF) pin	x	WT50 box
XOS-NC50-0023	NC50 (4 1/2" IF) pin	x	5 1/2" FH box
XOS-NC50-0024	NC50 (4 1/2" IF) pin	x	5 1/2" FH DSTJ box
XOS-NC50-0027	NC50 (4 1/2" IF) pin	x	5 1/2" FH VAM EIS box
XOS-NC50-0057	NC50 (4 1/2" IF) pin	x	DS55 box
XOS-NC50-0026	NC50 (4 1/2" IF) pin	x	HT55-375 box
XOS-NC50-0056	NC50 (4 1/2" IF) pin	x	XT57 box
XOS-NC50-0032	NC50 (4 1/2" IF) pin	x	6 5/8" FH box
XOS-NC50-0033	NC50 (4 1/2" IF) pin	x	6 5/8" REG box
XOS-NC50-0050	NC50 (4 1/2" IF) box	x	NC50 (4 1/2" IF) box
XOS-NC50-0017	NC50 (4 1/2" IF) box	x	4 1/2" REG box

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XOS-NC50-0040	NC50 (4 1/2" IF) box	x	5 1/2" FH box
XOS-NC50-0008	NC50 (4 1/2" IF) pin	x	4 1/2"-4 SA pin
XOS-NC50-0011	NC50 (4 1/2" IF) pin	x	NC50 (4 1/2" IF) pin
XOS-NC50-0016	NC50 (4 1/2" IF) pin	x	4 1/2" REG pin
XOS-NC50-0025	NC50 (4 1/2" IF) pin	x	5 1/2" FH pin
XOS-NC50-0048	NC50 (4 1/2" IF) pin	x	5 1/2" NEW VAM pin
XOS-NC50-0034	NC50 (4 1/2" IF) pin	x	6 5/8" REG pin
XOS-NC50-0051	NC50 VAM EIS pin	x	5 1/2" FH VAM EIS box
XOS-NC50-0054	NC50 VAM EIS pin	x	NC50 VAM EIS box
XOS-NC50-0049	NC50 VAM EIS pin	x	XT57 (5 7/8") box
XOS-NC50-0035	NC50 VAM EIS pin	x	6 5/8" REG pin
XOS-NC50-0058	NC50 pin	x	4 1/2"-4 ACME 2G box
XOS-NC50-0060	NC50 pin	x	5"-4 HAL.ACME 2G box
XOS-NC50-0065	NC50 pin	x	5" TSH 563 box
XOS-NC50-0059	NC50 pin	x	DS50 box
XOS-NC50-0066	NC50 pin	x	MT57 box
XOS-NC50-0064	NC50 pin	x	TT390 box
XOS-NC50-0061	NC50 pin	x	TT500 box
XOS-NC50-0063	NC50 pin	x	TT550 box
XOS-NC50-0062	NC50 pin	x	VX39 box
XOS-NC50-0030	NC50 pin	x	WT56 box

Plus inspection

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**X-OVER SUBS – PAC / PAC DSI**

XOS-PAC0-2301	2 3/8" PAC DSI pin	x	2 7/8" VAM FJL box
XOS-PAC0-2701	2 7/8" PAC pin	x	NC26 (2 3/8"IF) box
XOS-PAC0-2704	2 7/8" PAC pin	x	2 3/8" PH-6 box
XOS-PAC0-2702	2 7/8" PAC DSI pin	x	2 7/8" PH-6/TS-6 box
XOS-PAC0-2703	2 7/8" PAC DSI pin	x	2 7/8" WT23 box
XOS-PAC0-2705	2 7/8" PAC DSI pin	x	3 1/2" 533 (15.8#) box

Plus inspection

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**X-OVER SUBS – TT390**

XOS-TT39-0001	TT390 pin	x	NC38 box
XOS-TT39-0002	TT390 pin	x	NC50 box
XOS-TT39-0003	TT390 pin	x	5 1/2" FH box
XOS-TT39-0004	TT390 pin	x	XT57 box
XOS-TT39-0005	TT390 pin	x	HT55 box
XOS-TT39-0006	TT390 pin	x	VX39 box
XOS-TT39-0007	TT390 pin	x	MT57 box

Plus inspection

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Prices are subject to change without notice.  
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**X-OVER SUBS – TT500**

XOS-TT50-0001	TT 500 pin	x	NC50 box
	Plus inspection		

**X-OVER SUBS – TT550**

XOS-TT550-0001	TT 550 pin	x	NC50 box
XOS-TT550-0002	TT 550 pin	x	5 1/2" FH box
XOS-TT550-0003	TT 550 pin	x	6 5/8" REG box
XOS-TT550-0004	TT 550 pin	x	6 5/8" FH box
	Plus inspection		

**X-OVER SUBS – VAM**

XOS-NVAM-2301	2 3/8" NEW VAM pin	x	NC38 (3 1/2" IF) box
XOS-NVAM-2701	2 7/8" NEW VAM pin	x	2 7/8" PH-6/TS-6 box
XOS-NVAM-3101	3 1/2" NEW VAM pin	x	NC38 (3 1/2" IF) box
XOS-NVAM-4101	4 1/2" NEW VAM pin	x	2 7/8" EUE box
XOS-NVAM-4103	4 1/2" NEW VAM pin	x	NC50 (4 1/2" IF) box
XOS-NVAM-5001	5" NEW VAM pin	x	4" NEW VAM box
XOS-NVAM-5002	5" NEW VAM pin	x	5" CS box
XOS-NVAM-5003	5" NEW VAM pin	x	5 1/2" NEW VAM box
XOS-NVAM-5100	5 1/2" NEW VAM pin	x	3 1/2" PH-6 box
XOS-NVAM-5101	5 1/2" NEW VAM pin	x	NC50 (4 1/2" IF) box
XOS-NVAM-5104	5 1/2" NEW VAM pin	x	5"-4 (15K) SA box
XOS-NVAM-5105	5 1/2" NEW VAM pin	x	5" NEW VAM box
XOS-NVAM-5109	5 1/2" NEW VAM pin	x	5 1/2" BUTTRESS box
XOS-NVAM-6501	6 5/8" NEW VAM pin	x	HT55-375 box
XOS-NVAM-7001	7" NEW VAM pin	x	NC50 (4 1/2" IF) box
XOS-NVAM-9501	9 5/8" NEW VAM pin	x	NC50 (4 1/2" IF) box
XOS-NVAM-1001	10 3/4" NEW VAM pin	x	NC50 (4 1/2" IF) box
XOS-VAM0-2301	2 3/8" VAM pin	x	2 7/8" VAM box
XOS-VAM0-2701	2 7/8" VAM pin	x	2 3/8" EUE box
XOS-VAM0-2702	2 7/8" VAM pin	x	2 7/8" EUE box
XOS-VAM0-3101	3 1/2" VAM pin	x	NC38 (3 1/2" IF) box
XOS-VAM0-3102	3 1/2" VAM pin	x	3 1/2" PH-6/TS-6 box
XOS-VAM0-4101	4 1/2" VAM pin	x	3 1/2" PH-6/TS-6 box
XOS-VAM0-5101	5 1/2" VAM pin	x	NC50 (4 1/2" IF) box
XOS-VAM0-5102	5 1/2" VAM pin	x	TT550 box
XOS-VAM0-7501	7 5/8" VAM pin	x	NC50 (4 1/2" IF) box

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XOS-VAM2-0001	6 5/8" VAM pin	x	TT550 box
XOS-VAM2-0002	7" VAM pin	x	TT550 box
XOS-VAMA-3101	3 1/2" VAM ACE pin	x	4" Hydril 511 box
XOS-VAMA-3102	3 1/2" VAM ACE pin	x	NC50 (4 1/2" IF) box
XOS-VAMA-5102	5 1/2" VAM ACE pin	x	NC50 (4 1/2" IF) box
XOS-VAMA-5103	5 1/2" VAM ACE pin	x	5" VAM ACE box
XOS-VAMA-6501	6 5/8" VAM ACE pin	x	NC50 (4 1/2" IF) box
XOS-VAMF-2701	2 7/8" VAM FJL pin	x	3 1/2" TS-6 box
XOS-VASL-1034	10 3/4" VAM SL pin	x	NC50 (4 1/2" IF) box
XOS-VATO-4101	4 1/2" VAM TOP pin	x	5" NSCC box
XOS-VATO-4102	4 1/2" VAM TOP pin	x	5 1/2" FH box
XOS-VATO-4103	4 1/2" VAM TOP pin	x	3 1/2" PH-6 box
XOS-VATO-4104	4 1/2" VAM TOP pin	x	TT550 box
XOS-VATO-4105	4 1/2" VAM TOP pin	x	NC50 box
XOS-VATO-5001	5" VAM TOP pin	x	TT390 box
XOS-VATO-5101	5 1/2" VAM TOP pin	x	NC38 (3 1/2" IF) box
XOS-VATO-5102	5 1/2" VAM TOP pin	x	NC50 (4 1/2" IF) box
XOS-VATO-5103	5 1/2" VAM TOP pin	x	5 1/2" FH VAM EIS box
XOS-VATO-6508	6 5/8" VAM TOP pin	x	5 1/2" FH box
XOS-VATO-7001	7" VAM TOP pin	x	NC50 (4 1/2" IF) box
XOS-VATO-7002	7" VAM TOP pin	x	5 1/2" FH box
XOS-VATO-7003	7" VAM TOP pin	x	6 5/8" FH VAM EIS box
XOS-VATO-7004	7" VAM TOP pin	x	5 1/2" FH VAM EIX box
XOS-VATO-7005	7" VAM TOP pin	x	XT57 box
XOS-VATO-9501	9 5/8" VAM TOP pin	x	NC50 (4 1/2" IF) box
XOS-VATO-1001	10 3/4" VAM TOP pin	x	NC50 (4 1/2" IF) box
XOS-VATO-1002	10 3/4" VAM TOP pin	x	5 1/2" FH box

Plus Inspection

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**X-OVER SUBS – VX39 (VAM EXPRESS)**

XOS-VX39-0001	VX39 pin	x	NC50 VAM EIS box
XOS-VX39-0002	VX39 pin	x	5 1/2" FH VAM EIS box
XOS-VX39-0004	VX39 pin	x	XT57 box
XOS-VX39-0005	VX39 pin	x	4 1/2" Reg pin
XOS-VX39-0006	VX39 pin	x	NC38 (3 1/2" IF) box
XOS-VX39-0009	VX39 pin	x	WT38 box
XOS-VX39-0010	VX39 pin	x	HT55-375 box
XOS-VX39-0011	VX39 pin	x	TT390 box
XOS-VX39-0012	VX39 pin	x	MT57 box
XOS-VX39-0013	VX39 pin	x	XT39 box
XOS-VX39-0007	VX39 box	x	3 1/2" Reg box
XOS-VX39-0008	VX39 box	x	4 1/2" Reg box

Plus inspection

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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

**X-OVER SUBS – XT39**

XOS-XT39-0001	XT39 pin	x	NC38 box
XOS-XT39-0002	XT39 pin	x	VX39 box
	Plus inspection		

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**X-OVER SUBS – XT57**

XOS-XT57-0001	XT57 pin	x	NC50 (4 1/2" IF) box
XOS-XT57-0002	XT57 pin	x	6 5/8" Reg box
XOS-XT57-0003	XT57 pin	x	5 1/2" FH box
XOS-XT57-0004	XT57 pin	x	6 5/8" FH VAM EIS box
XOS-XT57-0005	XT57 pin	x	MT57 box
	Plus inspection		

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**ZIP LIFT ASSEMBLY**

ZIP-LIFT-ASSY	5" OD Shank 18° taper	150 ton
	Inspection to API included.	

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Prices are subject to change without notice.  
Other rates may be quoted based on quantity and/or rental period.

### **MAKE / BREAK SERVICES**

2 3/8" through 14" outside diameter, full rotating RT 14/100 headstock with hydraulic backup and hydraulic control console.  
Make/break up to 100.000 ft/lb (Torque graph print)  
Assy length up to 16 mtr.  
Price per make or break

4" through 30" outside diameter, full rotating RT 30/100 headstock with hydraulic backup and hydraulic control console.  
Make/break up to 100.000 ft/lb (Torque graph print)  
Assy length up to 16 mtr.  
Price per make or break

Above listed prices are based on standard OD configurations.  
For other sizes or quantities, price on request.