

Product Category	Description
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BASKETS/SLINGS

<u>BASK1</u>	TOOL BASKET - 4' X 4' GALVANIZED CERT. RATED SWL 6,800 LBS
<u>BASK2</u>	TOOL BASKET - 4' X 6' GALVANIZED CERT. RATED SWL 8,950 LBS
<u>BASK3</u>	TOOL BASKET - 4' X 8' GALVANIZED CERT. RATED SWL 11,200 LBS
<u>BASK6</u>	ALUMINUM CARGO SHIPPING BOX FOR 2-BOP RAM BLOCKS (1-SET)
<u>SLING1</u>	2-LEG (5-TONS) CERTIFIED LIFTING SLINGS W/ SHACKLES
<u>SLING2</u>	4-LEG (8.8-TONS) CERTIFIED LIFTING SLINGS W/ SHACKLES

BOP RAMS

VARIABLE BORE RAMS

<u>VBR9</u>	(CAMERON - OEM CERT) - 7 1/16" 3M/10M "U" RANGE (2 3/8" to 3 1/2")
<u>VBR10</u>	(CAMERON - OEM CERT) - 7 1/16" 3M/10M "U" RANGE (2 7/8" to 4")
<u>VBR5</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" RANGE (2 7/8" to 5")
<u>VBR4</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" RANGE (3 1/2" to 5 1/2")
<u>VBR1</u>	(T3 - OEM CERT) - 13 5/8" 3/5/10M M 6012 RANGE (2 7/8" to 5 1/2")
<u>VBR3</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" RANGE (2 7/8" to 5")
<u>VBR2</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" RANGE (3 1/2" to 5 1/2")
<u>VBR6</u>	(CAMERON - OEM CERT) - 16 3/4" 3M/10M "U", "UII", "TL" RANGE (3 1/2" to 7")
<u>VBR7</u>	(CAMERON - OEM CERT) - 18 3/4" 3M/10M "U", "UII", "TL" RANGE (3 1/2" to 7 5/8")
<u>VBR8</u>	(CAMERON - OEM CERT) - 21 1/4" 3M/10M "U", "UII", "TL" RANGE (2 7/8" to 7 5/8")

FLEX BORE RAMS

<u>FPR5</u>	(CAMERON - OEM CERT) - 7 1/16" 3M/10M "U" RANGE (2 3/8" to 2 7/8")
<u>FPR6</u>	(CAMERON - OEM CERT) - 7 1/16" 3M/10M "U" RANGE (2 7/8" to 3 1/2")
<u>FPR4</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" RANGE (2 3/8" to 3 1/2")
<u>FPR3</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" RANGE (3 1/2" to 5")
<u>FPR2</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" RANGE (2 3/8" to 3 1/2")
<u>FPR1</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" RANGE (3 1/2" to 5")

STRAIGHT BORE RAMS

<u>PR1</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" 5" OD PIPE
<u>PR2</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" 3 1/2" OD PIPE
<u>PR3</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" 5" OD PIPE
<u>PR4</u>	(CAMERON - OEM CERT) - 11" 3M/10M "U" 3 1/2" OD PIPE
<u>PR5</u>	(CAMERON - OEM CERT) - 13 5/8" 3M/10M "U" 4" OD PIPE

**All rubber goods are certified and are ORIGINAL EQUIPMENT MANUFACTURED products.

STUDS/BOLTS/NUTS

<u>BOLN</u>	3/4" thru 2 1/2"
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SAFETY CLAMPS

<u>CLAM</u>	TYPE "T" thru 10-SEGMENTS w/WRENCH
<u>CLAM</u>	TYPE "C" thru 10-SEGMENTS w/WRENCH

Product Category	Description
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DOUBLE STUDDED ADAPTERS

5,000 PSI WP

DSA 7 1/16" thru 21 1/4"

10,000 PSI WP

DSA 4 1/16" thru 21 1/4"

15,000 PSI WP

DSA 4 1/16" thru 13 5/8"

DOWNHOLE TOOLS

DHTCB BITS - All Types & Sizes

CASING SCRAPERS

DHTCS 5" OD thru 13 3/8" OD

DRIFTS (TUBING & DRILL PIPE)

STEEL

DRIFS 4 1/2" OD & SMALLER

ALUMINUM

DRIFA 4 1/2" OD & SMALLER

TEFLON

DRIFT ALL SIZES MACHINE BUILT PER REQUEST

DRILL COLLARS

SPIRAL

<u>DCS</u>	2 7/8" OD	X	1" ID	W/	2 3/8" PAC CONN.
<u>DCS</u>	3 1/8" OD	X	1 1/2" ID	W/	2 7/8" PAC CONN.
<u>DCS</u>	3 1/8" OD	X	1 1/2" ID	W/	HT-PAC CONN.
<u>DCS</u>	3 3/8" OD	X	1 1/2" ID	W/	HT-26 CONN.
<u>DCS</u>	3 1/2" OD	X	1 3/4" ID	W/	NC26 - 2 3/8" IF CONN.
<u>DCS</u>	3 7/8" OD	X	2" ID	W/	SLH-90 CONN.
<u>DCS</u>	4 1/8" OD	X	2" ID	W/	NC31 - 2 7/8" IF CONN.
<u>DCS</u>	4 1/8" OD	X	2" ID	W/	HT-31 CONN.
<u>DCS</u>	4 3/4" OD	X	2 1/4" ID	W/	NC38 - 3 1/2" IF CONN.
<u>DCS</u>	4 3/4" OD	X	2 1/4" ID	W/	HT-38 CONN.
<u>DCS</u>	4 3/4" OD	X	2 1/4" ID	W/	XT-39 CONN.

Product Category	Description
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DRILL COLLARS (cont'd)

<u>DCS</u>	5 1/4" OD X 2 1/2" ID W/ NC40 - 4" FH CONN.
<u>DCS</u>	5 1/4" OD X 2 1/2" ID W/ HT-40 CONN.
<u>DCS</u>	6 1/2" OD X 2 13/16" ID W/ NC46 - 4 1/2" X-HOLE CONN.
<u>DCS</u>	7" OD X 2 13/16" ID W/ NC50 - 4 1/2" IF CONN.
<u>DCS</u>	7 1/4" OD X 2 13/16" ID W/ 5 1/2" API REG. CONN.

DRILL PIPE (PREMIUM/API)

ROTARY

<u>DP35S1</u>	3 1/2" OD 13.30#, <u>GRADE S-135</u> R2, B/N w/ NC38 - 3 1/2" IF CONN. (4 7/8" OD X 2 9/16" ID TOOL JOINTS)
<u>DP4S1</u>	4" OD 14.00#, <u>GRADE S-135</u> R2, S/H w/ XT39 CONN. (4 7/8" OD X 2 11/16" ID TOOL JOINTS) HARDBANDED

HEAVY WEIGHT DRILL PIPE (STANDARD/CONVENTIONAL) TYPE

<u>DPHWC</u>	3 1/2" OD X 2 1/4" ID - R2, (B/N) (SII BRAND) w/ NC38 - 3 1/2" IF CONN. (4 7/8" OD X 2 3/8" ID TOOL JOINTS) HARDBANDED
<u>DPHWC</u>	4" OD X 2 9/16" ID - R2, (S/H) (GP BRAND) w/ 4" XT39 CONN. (4 7/8" OD X 2 9/16" ID TOOL JOINTS) HARDBANDED
<u>DPHWC</u>	4 1/2" OD X 2 3/4" ID - R2, (B/N) (SII BRAND) w/ NC46 - 4 1/2" XH CONN. (6 1/4" OD X 2 7/8" ID TOOL JOINTS) HARDBANDED
<u>DPHWC</u>	5" OD X 3" ID - R2, (B/N) (SII BRAND) w/ NC50 - 4 1/2" IF CONN. (6 5/8" OD X 3 1/16" ID TOOL JOINTS) HARDBANDED

HEAVY WEIGHT DRILL PIPE (SPIRAL) TYPE

<u>DPHWS</u>	3 1/2" OD X 2 1/4" ID - R2, (B/N) (SII BRAND) w/ NC38 - 3 1/2" IF CONN. (4 7/8" OD X 2 3/8" ID TOOL JOINTS) HARDBANDED
<u>DPHWS</u>	4" OD X 2 9/16" ID - R2, (S/H) (GP BRAND) w/ 4" XT39 CONN. (4 7/8" OD X 2 9/16" ID TOOL JOINTS) HARDBANDED
<u>DPHWS</u>	4 1/2" OD X 2 3/4" ID - R2, (B/N) (SII BRAND) w/ NC46 - 4 1/2" XH CONN. (6 1/4" OD X 2 7/8" ID TOOL JOINTS) HARDBANDED
<u>DPHWS</u>	5" OD X 3" ID - R2, (B/N) (SII BRAND) w/ NC50 - 4 1/2" IF CONN. (6 5/8" OD X 3 1/16" ID TOOL JOINTS) HARDBANDED

ELEVATORS

SLIP TYPE

<u>STE9</u>	LYT (20-TON) COMPLETE (3/4" - 2 1/16")
<u>STE1</u>	MYT (40-TON) COMPLETE (1" - 2 7/8")
<u>STE2</u>	YT (75-TON) COMPLETE (1" - 3 1/2")
<u>STE3</u>	HYT (150-TON) COMPLETE (2 3/8" - 3 1/2")

SQUARE SHOULDER TYPE

<u>SSE</u>	TA (100-TON) COMPLETE (2 3/8" - 2 7/8")
<u>SSE</u>	MAA (175-TON) COMPLETE (2 3/8" - 3 1/2")
<u>SSE</u>	MA (250-TON) COMPLETE (2 3/8" - 3 1/2")

Product Category	Description
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ELEVATORS (cont'd)

SINGLE JOINT TYPE

SJE (5-TON) 2 3/8" thru 4" COMPLETE w/ (4.4 TON) 2-LEG SUSPENSION SLINGS & SHACKLES

BOTTLENECK TYPE - 18 deg. MAN. (conv. & bushing style)

- BNE RG (150-TON) COMPLETE (2 3/8" - 3 1/2")
- BNE MGG (250-TON) COMPLETE (2 7/8" - 3 1/2")
- BNE MGG (250-TON) COMPLETE (4" S/H SPECIAL BORE)
- BNE MGG (250-TON) COMPLETE (4 1/2" - 5")

BECKET & BAILS

BECB2 BECKET or BAILS (150 TON) COMPLETE OR SEPARATE

GAUGES

- MUD PRESSURE 5,000# - 20,000#
- TORQUE INDICATOR - DRILL PIPE & TUBING (0 - 5,000# & 0 - 20,000#)

JACKS - DRILL PIPE

JACK 2 3/8" - 5"

KELLYS

- KELLY1 KELLY - SQUARE - 3 1/2" X 40' W/6 5/8" LH BOX W/3 1/2" IF PIN
- KELLY2 KELLY - HEX - 3 1/2" X 40' W/6 5/8" LH BOX W/3 1/2" IF PIN
- KELLY3 KELLY - HEX - 4 1/4" X 40' W/6 5/8" LH BOX W/3 1/2" IF PIN

KELLY DRIVE BUSHINGS - COMPLETE ASSEMBLIES

- KBUSH1 KELLY - DRIVE BUSHINGS - 27 1/2" VARCO "HD"
- KBUSH2 KELLY - DRIVE BUSHINGS - 27 1/2" BAASH ROSS "4KRP"
- KBUSH3 KELLY - DRIVE BUSHINGS - ROLLERS ONLY
- KBUSH4 KELLY - DRIVE BUSHINGS - HOUSINGS ONLY

LIFT NIPPLES - Drill Collar (B/N & S/S)

LIFT 4 1/2" & SMALLER CONN.

LIFT - PLUGS

TUBING or DRILL PIPE

4 1/2" & SMALLER CONN.

Product Category	Description
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MAGNET

MAG1 DITCH MAGNET - 24" LG HD COMPLETE ASSY

MULE - SHOE (TUBING & DRILL PIPE)

MST1 MULE-SHOE (TUBING)

MSDP1 MULE-SHOE (DRILL PIPE)

MSCUST MULE-SHOE (CUSTOM SPECS)

PROTECTORS-LAY DOWN

PROT 4 1/2" & SMALLER CONN.

PUP JOINTS (TUBING & DRILL PIPE)

TUBING (Grades N-80, L-80, P-110, S135, T95, Q125)

PUP 3 1/2" & SMALLER CONN. 2' TO 15' LENGTH

DRILL PIPE (Grade S-135)

PUP 4 1/2" & SMALLER CONN. 5' TO 15' LENGTH

ROTARY SLIPS

DRILL PIPE & TUBING

4 1/2" OD & SMALLER

DRILL COLLARS

7 1/4" OD & SMALLER

SPIDERS (Bowl & Slip)

TUBING - DRILL PIPE - DRILL COLLARS

SPL (100-TON) 4 1/2" BOWL & SLIPS COMPLETE OR SEPARATE

SPL (100-TON) 8 5/8" API BOWL COMPLETE ASSEMBLY

RISER SPOOLS

ADAPTER & DRILLING (Standard Height Under 3')

5,000 PSI WP

ADSP 7 1/16" thru 21 1/4"

10,000 PSI WP

ADSP 4 1/16" thru 21 1/4"

15,000 PSI WP

ADSP 4 1/16" thru 13 5/8"

Product Category	Description
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RISER SPOOLS (cont'd)

SPACER SPOOLS

5,000 PSI WP

SPSP 7 1/16" thru 21 1/4"

10,000 PSI WP

SPSP 7 1/16" thru 21 1/4"

15,000 PSI WP

SPSP 7 1/16" thru 11"

STABBING GUIDES (TUBING & DRILL PIPE)

TUBING

SG 3 1/2" & SMALLER

DRILL PIPE

SG 5" & SMALLER

SUBS - ROTARY

BLEEDER SUBS W/ VALVE

SUB 4 1/2" & SMALLER CONN.

XO SUBS - (BOX x BOX) - (PIN x PIN) - (BOX x PIN)

SUB 7 5/8" & SMALLER CONN.

XO SUBS - (BOX x BOX) - (PIN x PIN) - (BOX x PIN) W/ FLOAT BORE

SUB 7 5/8" & SMALLER CONN.

PUMP IN SUBS (BOX or PIN)

SUB 4 1/2" & SMALLER CONN. W/ INTEGRAL 2" 1502 UNION THREAD

PUMP IN SUBS (SIDE-OUTLET)

SUB 4 1/2" & SMALLER CONN. W/ INTEGRAL 2" 1502 UNION THREAD

KELLY SAVER SUBS W/ RUBBER

SUB 4 1/2" & SMALLER CONN.



Product Category	Description
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TONGS (TUBING & DRILL PIPE)

ROTARY

<u>TONG</u>	TYPE "C" TONG W/ LUG JAW
<u>TONG</u>	TYPE "C" LUG JAW (EXTRA)
<u>K20</u>	K-20 ASSEMBLY COMPLETE
<u>K25</u>	K-25 ASSEMBLY COMPLETE
<u>K30</u>	K-30 ASSEMBLY COMPLETE
<u>K50</u>	K-50 ASSEMBLY COMPLETE

TUBING (PREMIUM/API)

PREMIUM CONNECTION (WORKSTRINGS)

<u>TUB114</u>	1 1/4" OD "CS TYPE", 3.02# P/F (1.927" OD x 1.184" DRIFT)
<u>TUB1142</u>	P-110
<u>TUB112</u>	1 1/2" OD "CS TYPE", 3.64# P/F (2.162" OD x 1.406" DRIFT)
<u>TUB1122</u>	P-110
<u>TUB2116</u>	2 1/16" OD "CS TYPE", 5.95# P/F (2.906" OD x 1.773" DRIFT)
<u>TUB21161</u>	N-80
<u>TUB21162</u>	P-110
<u>TUB23</u>	2 3/8" OD "PH-6 TYPE", 5.95# P/F (2.906" OD x 1.773" DRIFT)
<u>TUB232</u>	P-110
<u>TUB27</u>	2 7/8" OD "PH-6 TYPE", 7.90# P/F (3.438" OD x 2.227" DRIFT)
<u>TUB272</u>	P-110
<u>TUB27</u>	2 7/8" OD "PH-6 TYPE", 8.70# P/F (3.500" x 2.165" DRIFT)
<u>TUB275</u>	P-110
<u>TUB277</u>	T-95
<u>API COUPLED "EUE 8 RD" (WORKSTRINGS)</u>	
<u>TUB23E</u>	2 3/8" OD "EUE 8RD", 4.70# P/F (3.063" x 1.901" DRIFT)
<u>TUB23E1</u>	N-80
<u>TUB23E2</u>	L-80
<u>TUB27E</u>	2 7/8" OD "EUE 8RD", 6.50# P/F (3.668" x 2.347" DRIFT)
<u>TUB27E1</u>	N-80
<u>TUB27E2</u>	L-80

Product Category	Description
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VALVES

SAFETY - BALL TYPE (FULL OPENING)

FOV 2 7/8" & SMALLER, 10,000 psi
EUE & API ROTARY CONN.
PH-6, CS or SPECIAL CONN.
HT, XT - NON-API ROTARY CONN.

FOV 2 7/8" & SMALLER, 15,000 psi
PH-6, CS or SPECIAL CONN.

FOV 3 1/2" & SMALLER, 10,000 psi
EUE & API ROTARY CONN.
PH-6, CS or SPECIAL CONN.
HT, XT - NON-API ROTARY CONN.

FOV 3 1/2" & SMALLER, 15,000 psi
PH-6, CS or SPECIAL CONN.

FOV 4 1/2" & SMALLER, 10,000 psi
EUE & API ROTARY CONN.
PH-6, CS or SPECIAL CONN.
HT, XT - NON-API ROTARY CONN.

FOV 4 1/2" & SMALLER, 15,000 psi
PH-6, CS or SPECIAL CONN.

FOV 5 1/2" & SMALLER, 10,000 psi
EUE & API ROTARY CONN.

LOWER KELLY

KV 2 7/8" & SMALLER, 10,000 psi
KV EUE & API ROTARY (FH, IF, XH, H-90) CONN.
KV PH-6, CS or SPECIAL CONN.
KV HT, XT - NON-API ROTARY CONN.

KV 3 1/2" & SMALLER, 10,000 psi
KV EUE & API ROTARY (FH, IF, XH, H-90) CONN.
KV PH-6, CS or SPECIAL CONN.
KV HT, XT - NON-API ROTARY CONN.

KV 4 1/2" & SMALLER, 10,000 psi
KV EUE & API ROTARY (FH, IF, XH, H-90) CONN.
KV PH-6, CS or SPECIAL CONN.
KV HT, XT - NON-API ROTARY CONN.

Product Category	Description
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VALVES (cont'd)

INSIDE BOP w/RELEASING ASSEMBLY TOOL

- IBOP **2 7/8" & SMALLER, 10,000 psi**
- IBOP **EUE & API ROTARY (FH, IF, XH, H-90) CONN.**
- IBOP **PH-6, CS or SPECIAL CONN.**
- IBOP **HT, XT - NON-API ROTARY CONN.**

- IBOP **3 1/2" & SMALLER, 10,000 psi**
- IBOP **EUE & API ROTARY (FH, IF, XH, H-90) CONN.**
- IBOP **PH-6, CS or SPECIAL CONN.**
- IBOP **HT, XT - NON-API ROTARY CONN.**

- IBOP **4 1/2" & SMALLER, 10,000 psi**
- IBOP **EUE & API ROTARY (FH, IF, XH, H-90) CONN.**
- IBOP **PH-6, CS or SPECIAL CONN.**
- IBOP **HT, XT - NON-API ROTARY CONN.**

UNION ADAPTERS

- UA1700 **5" 1002 MALE X 4" 1003 FEMALE**
- UA1701 **5" 1002 FEMALE X 4" 1003 MALE**
- UA1704 **5" 1002 FEMALE X 4" 1002 MALE**
- UA1705 **5" 1002 MALE X 4" 1002 FEMALE**
- UA1706 **5" 1002 FEMALE X 5" 1502 MALE**
- UA1707 **5" 1002 MALE X 5" 1502 FEMALE W/ 2" 1502 FEMALE SIDE OUTLET**
- UA1708 **5" 1003 FEMALE X 5" 1002 MALE**
- UA1709 **5" 1003 MALE X 5" 1002 FEMALE**

UNION NIPPLES

- UNMFS **5" 1002 MALE X FEMALE**
- UNMM **5" 1002 MALE X 5" 1002 MALE**
- UNFF **5" 1002 FEMALE X 5" 1002 FEMALE**
- UN100245 **5" 1002 MALE X FEMALE _ WELDED 45 DEG.**
- UN100345 **5" 1003 MALE X FEMALE _ WELDED 45 DEG.**
- UN100390 **5" 1003 MALE X FEMALE _ WELDED 90 DEG.**
- UN100290 **5" 1002 MALE X FEMALE _ WELDED 90 DEG.**

CUSHION- 90

- CT100290 **5" 1002 MALE X FEMALE _ 90 DEG.**

WECO FLANGE ADAPTERS

- WF1502 **2-1/16" 10M FLANGE X 2" 1502 FEMALE THREAD**
- WF1002 **5-1/8" 10M FLANGE X 5" 1002 MALE WING**

Product Category	Description
IN-LINE MUDSCREEN MANIFOLD	
<u>MSM1</u>	IN-LINE MUD-SCREEN MANIFOLD_5" 1002
<u>MSM4</u>	IN-LINE MUD-SCREEN MANIFOLD_5" 1502
SKIDS	
<u>MSKID</u>	CONTAINMENT SKID _ 8' X 5' W/ FORKLIFT SOCKETS & LIFT EYES (CERTIFIED)
<u>MSKID2</u>	CONTAINMENT SKID _ 8' X 4' W/ FORKLIFT SOCKETS & LIFT EYES (CERTIFIED)
<u>MSKID3</u>	OPEN SKID _ 3' X 6' W/ FORKLIFT SOCKETS & LIFT EYES (CERTIFIED)
VALVES (GATE & PLUG)	
GATE VALVES	
<u>MGV5</u>	5" (7,500 PSI CWP) W/ 5" 1002 MALE HALF UNION X 4-1/16" 10M (BX~155) FLANGE [API-6A]
<u>MGV51</u>	5" (7,500 PSI CWP) W/ 5" 1002 (M/F) CONNS. [API-6A]
<u>MGV53</u>	5" (7,500 PSI CWP) W/ 5" 1502 MALE HALF UNION (DOWNSTREAM) X 4-1/16" 10M (BX~155) FLANGE [API-6A]
PLUG VALVES	
<u>MFPV1</u>	2" 10M 1502 (M/F) (2X1) [API-6A] W/OPEN & CLOSE BAR
<u>MFPV2</u>	2" 10M 1502 (M/F) (2X2) [API-6A] W/OPEN & CLOSE BAR