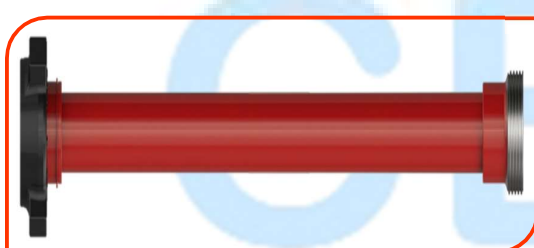
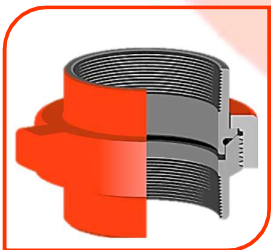




CANNY ENGINEERING SERVICES

Manufacturer and supplier of Oilfield & Engineering Equipment's



CES manufacture a diverse range of oilfield & Engineering equipment's at its manufacturing facilities in Delhi-NCR (India). Our products are manufactured from the highest grades of forged steel. While more expensive to manufacture, there is a unique benefit in this manufacturing method, superior strength and longevity. We Provides a wide range of Hammer Unions, Pup Joints, Swivel Joints, Plug Valve, Integral Fittings, Steel Hoses

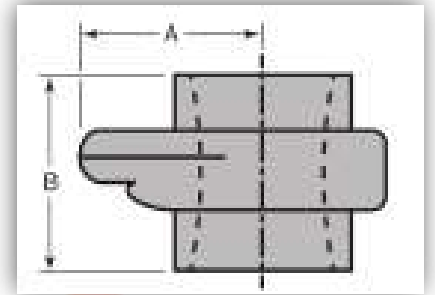
CONTENTS

- 🔹 Hammer Unions
- 🔹 Pup Joints
- 🔹 Swivel joints
- 🔹 Steel Hoses
- 🔹 Integral Fittings
- 🔹 Crossovers
- 🔹 Flanges
- 🔹 Plug Valve
- 🔹 Chokes
- 🔹 Choke Manifold
- 🔹 Gaskets
- 🔹 Data Header



HAMMER UNIONS

- Hammer union range in size from 1" to 12".
- Manufactured by Steel forgings using appropriate materials to specific pressure ratings.
- Hammer Union Nut have three lugs.
- Low temperature application with suitable impact value testing.
- Components of the same size and figure number are interchangeable with OEM.
- Full traceability documentation for each component.
- Unions are available in a choice of end connections. API line pipe threads are standard, Butt weld ends and socket weld ends can be provided.
- H2S service is available and all H2S service conforms to the latest NACE MR 0175 .



Hammer Union Quick Reference Chart

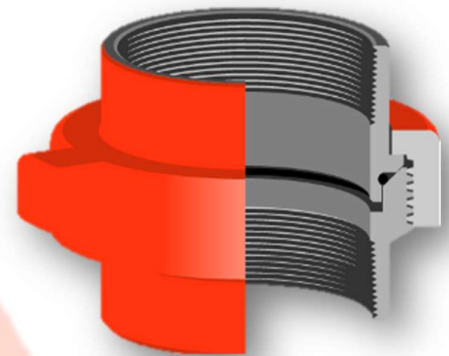
FIGURE NUMBER	ASSEMBLY KEY	PRESSURE RATING				NOMINAL PIPE SIZES (Inch / mm)											
		STANDARD		SOUR SERVICE		1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
		CWP	HYD. TEST	CWP	HYD. TEST	25	30	40	50	65	80	100	125	150	200	250	300
50		500	750	NA	NA	T/B	T/B					T/B	T/B				
100		1000	1500	NA	NA				T/B	T/B	T/B	T/B	T/B	T/B	T/B		
200		2000	3000	2000	3000	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	
206		2000	3000	2000	3000	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	T/B	
207		2000	3000	2000	3000						T/B	T/B		T/B			
211		2000	3000	NA	NA				T		T						
300		2000	3000	NA	NA	T	T		T	T							
400		4000	6000	4000	6000				T/B		T/B	T/B	T/B	T/B	T/B		T/B
602		6000	9000	6000	9000	T/B	T/B	T/B	T/B		T/B	T/B					
1002		10000	15000	7500	11250	T/B	T/B	T/B	T/B		T/B	T/B	T/B	T/B			
1003		10000	15000	7500	11250				T/B		T/B	T/B	B				
1004		10000	15000	7500	11250							B	B				
1502		15000	22500	10000	15000	T/B		T/B	T/B		T/B	T/B	T/B	T/B			
2002		20000	30000	NA	NA				B		B						
2202		NA	NA	15000	22500				B		B	B					
6666		6000	9000	NA	NA			T	T								

T = Threaded Ends, B = Butt Welded

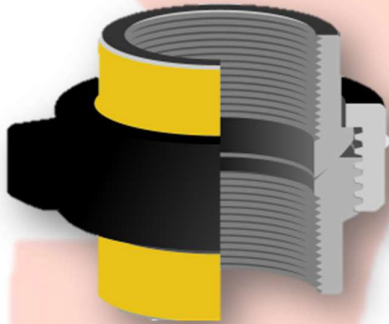
FIGURE 50**Red Nut, Red Subs**

- Recommended for Air, Water, Oil or gas service.
- working pressure – 500 PSI for std. service.
- Available end Connections: - Threaded and Socket weld,

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
4	5.13	6.20	27.00
5	5.22	5.60	22.40

**FIGURE 100****Black Nut, Yellow Subs**

- Recommended for Low pressure Manifold lines, Air, Water or Gas Applications.
- Manifold & general service
- Metal to metal sealing surface
- Available in both threaded and butt weld ends



Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
2	2.90	3.23	5.63
2.5	3.60	4.25	11.47
3	4.00	4.59	13.80
4	4.70	4.94	19.42
5	5.80	6.00	32.50
6	6.50	6.84	46.21
8	7.78	7.31	69.88

FIGURE 200**Blue Nut, Grey Subs**

- Cold working pressure – 2,000 PSI
- Recommended for Oil, Water and Gas Applications.
- Metal to metal sealing surface.
- Available in both threaded and butt weld ends.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
1	1.96	2.65	1.75
1.25	2.17	2.78	2.37
1.5	2.41	2.98	3.29
2	2.90	3.17	5.47
2.5	3.63	4.13	10.00
3	4.26	4.58	15.03
4	5.00	4.94	20.95
5	5.50	6.55	33.26
6	6.43	6.66	42.50
8	7.43	7.19	64.00
10	9.00	9.13	91.00

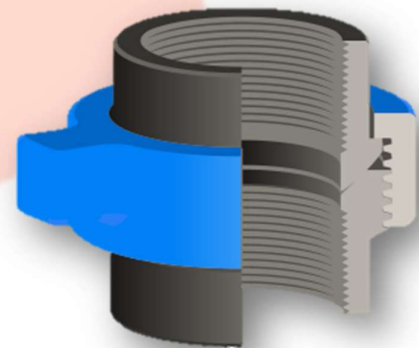
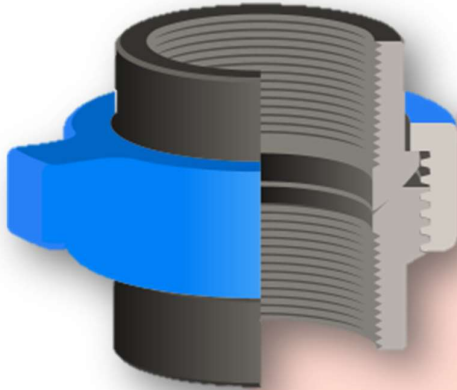


FIGURE 206

Blue Nut, Grey Subs



- Cold working pressure – 2,000 PSI.
- Recommended for Oil, water and gas applications in corrosive environment.
- Secondary seal (O-Ring) to provide an additional sealing.
- Cup and cone provide “zero clearance against extrusion”
- Available in threaded & butt weld
- All sizes available in sour service

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
1	1.96	2.65	1.75
1.25	2.17	2.78	2.37
1.5	2.41	2.98	3.29
2	2.90	3.17	5.47
2.5	3.63	4.13	10.00
3	4.26	4.58	15.00
4	5.00	4.94	20.90
5	5.5	6.55	33.30
6	6.43	6.66	42.50
8	7.43	7.19	64.00
10	9.00	9.13	91.00

FIGURE 207

Blue Nut, Grey Sub

- Cold working pressure – 2,000 PSI
- Used to blanking the end of line- ‘O’ ring cap provides leak-free seal
- Connection cap can be tapped for pressure gauge or valve
- Available in both threaded and butt weld ends
- Interchangeable with figure 200 and 206 unions

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
3	3.87	3.87	10
4	3.59	4.38	16
6	4.92	5.60	46

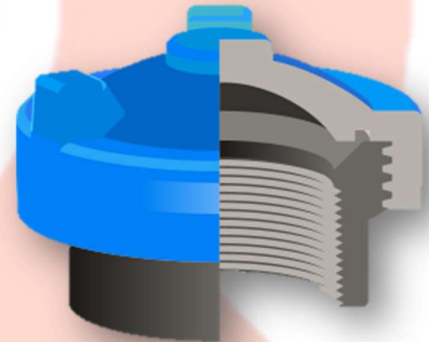
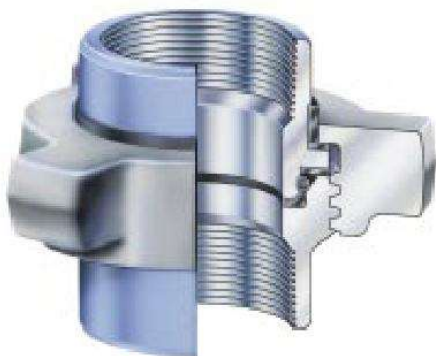


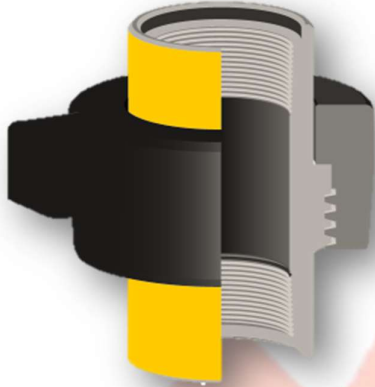
FIGURE 211

Gary Nut, Blue Subs



- Cold working pressure – 2,000 PSI
- No metal to metal contact between the subs
- Laminated insulating rings provide 35 million Ohms resistance across the union. O-ring in male sub provides a positive primary seal
- Resilient seal ring in female sub provides secondary protection from corrosion
- Available in threaded ends

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
2	3.00	3.45	6.60
3	4.27	4.55	14.00

FIGURE 300**Grey Nut, Yellow Subs**

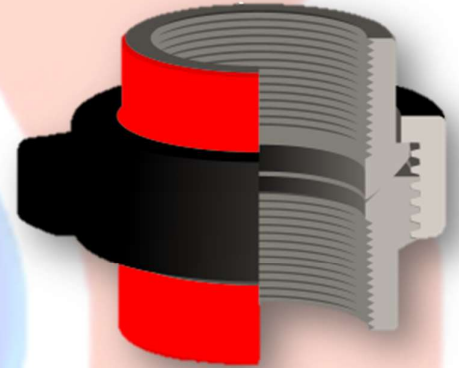
- Cold working pressure – 2,000 PSI
- 'Flat face 'design facilitates straight breakout of connected components such as valve or fittings for repair or inspection
- Available in threaded ends
- ½" Union is Zinc Plated and Grey in colour.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
0.5	1.80	3.00	1.80
1	2.12	2.62	2.00
2	2.90	3.75	2.50

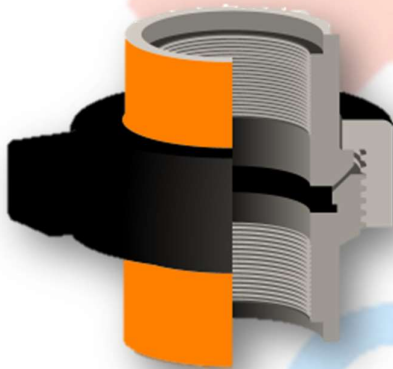
FIGURE 400**Black Nut, Red Subs**

- 2" to 4" sizes CWP is 4,000PSI.
- 6" to 12" size CWP is 2,500PSI.
- Mainly used for manifold pumping and mud pumping.
- Available in both threaded and butt weld ends.
- 3" through 12" sizes have O-ring for primary seal.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
2	3.54	5.13	12.46
3	4.17	6.14	20.13
4	5.04	8.18	31.24
5	6.70	11.10	49.60
6	7.70	11.40	63.47
12	10.26	10.90	164.90

**FIGURE 602****Black Nut. Orange Subs**

- Cold working pressure – 6,000 PSI
- Used in Oil, Water, Gas and Mud Application.
- Lip type elastomer seal provide primary sealing.
- Usage in manifold and mud service.
- Available in both threaded and butt weld ends.

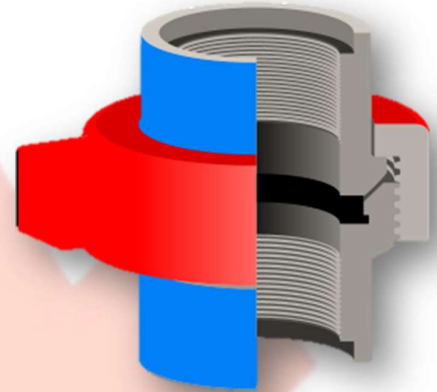
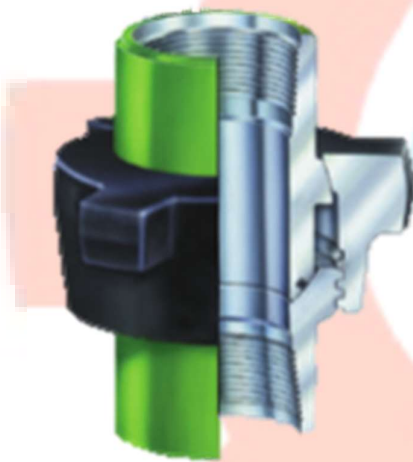


Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
1	2.20	3.50	4.00
1.25	3.10	4.80	9.00
1.5	3.10	4.90	9.00
2	3.70	5.30	14.00
3	4.50	6.20	23.00
4	5.19	8.18	35.00

FIGURE 1002**Red Nut, Blue Subs**

- Cold working pressure – 10,000 PSI.
- Used in High Pressure application for choke lines, kill lines, cementing and acidizing.
- Replaceable lip type elastomer seal Provide primary sealing up to 4”.
- 5” and 6” are 7,500 PSI for standard service.
- 5” and 6” are 5,000 PSI for sour service.
- Available in both threaded and butt weld ends.
- 6” unions are only available in butt weld for sour service.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
1	2.20	3.60	3.50
1.25	3.10	4.90	9.00
1.5	3.10	4.90	9.20
2	3.70	5.30	13.80
3	4.50	6.20	22.53
4	5.20	8.20	34.90
5	6.30	9.13	66.60
6	7.00	7.60	92.20

**FIGURE 1003****Black Nut, Green Sub**

- Cold working pressure – 10,000 PSI
- Misaligning unions are used in high pressure applications where the lines are not aligned
- 5” and 6” are 7,500 PSI for standard service
- 5” and 6” are 5,000 PSI for sour service
- 5” unions are available in butt weld ends only
- Available in both threaded and butt weld ends
- Replaceable O-ring on male sub provides primary sealing

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
3	4.80	8.87	47.50
4	6.00	10.90	78.15
5	6.00	10.90	79.62

FIGURE 1004**Red Nut, Grey Subs**

- Cold working pressure – 10,000 PSI 5” to 6” sizes
- Available in forged steel for butt weld connections
- Schedule XXH
- Available in threaded & butt weld ends
- Face of male & female subs is perfectly square
- Provided with lip type seal ring

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
5	6.00	8.25	85.00
6	7.25	9.38	140.00

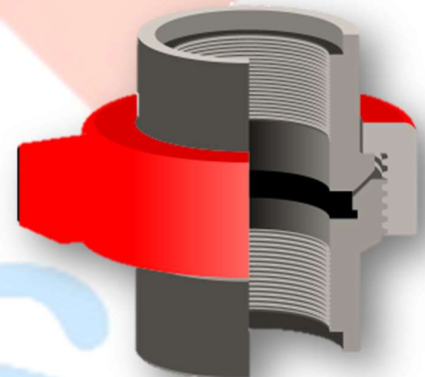
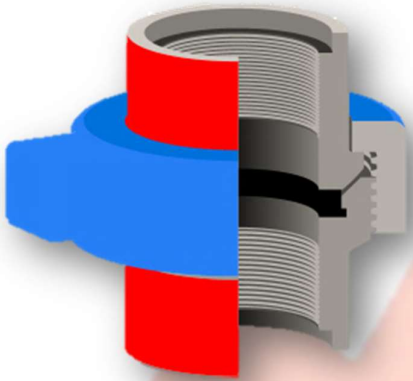


FIGURE 1502**Blue Nut, Red Subs**

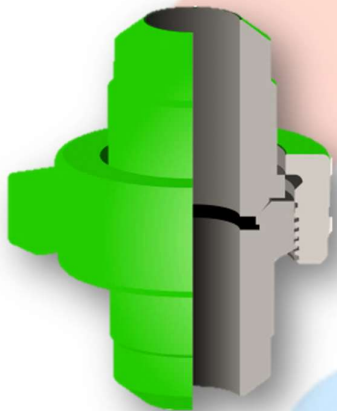
- Cold working pressure – 15,000 PSI
- Used mainly in Choke/Kill Lines, Cementing, acidizing.
- Available in threaded, Butt weld and non-pressure thread sealing ends.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
1	2.80	4.38	9.12
1.5	3.50	4.50	16.30
2	4.00	7.00	20.11
3	4.88	7.64	34.10
4	6.00	8.57	72.68
5	6.53	9.00	95.00
6	7.20	9.75	145.00

FIGURE 2002**Green Nut, Grey Subs**

- Cold working pressure – 20,000 PSI.
- Available in butt weld end connections.
- Provided with lip type seal ring.
- Used in high pressure applications.

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
2	2.80	4.70	8.20
3	3.50	4.50	16.30

**FIGURE 2202****Green Nut, Green Subs**

- Cold working pressure – 15,000 PSI.
- Used in sour gas services
- Lip type rubber seal with ss anti extrusion ring
- Confirm to NACE MR-01-75 standards
- Available in Butt Weld only

Size (Inches)	Nut Radius (A) (Inches)	Length Total (B) (Inches)	Weight (LBS) (Approx.)
2	2.75	4.70	8.20
3	3.50	4.50	16.40
4	4.00	7.00	21.50

Mud Tank Seal Union-150 PSI CWP



- Recommended for Mud tanks, mud tank connection lines, and pump suction flanges
- Nitrile seal provides a compression seal.
- Elongated cross-section of seal ring ensures greater sealing surface when in contact with the pipe.
- Accepts up to 7° pipe misalignments.
- 6, 8 and 10" sizes require butt-weld.

Sizes- 3", 4", 6", 8", 10", 12", 14", 16".

Frac Subs/Hose Union / Suction Hose Union's

500 PSI (34 bar) Maximum Line Pressure, 4", 5" & 6" size

- We manufacture a range of suction-hose and Frac Tank Unions in 4", 6" and 8"
- Size in pressure ranging from 500 to 1,000 PSI CWP.



CES

PUP JOINTS

Integral Pup Joints

- Integral Pup joints are made of high-quality alloy steel, integrally constructed, forged ended, and features seamless upset construction
- Detachable wing union end connections enable fast, easy make-up and break-out of temporary flow lines
- Eliminates all welds or threads
- Uniform bore for greater flow capacity
- Pup joints are hydrostatically tested at 1.5 times the rated cold working pressure
- Available from 2" to 3" sizes, lengths for pup joints range from 1 foot to 12 feet.
- Cold Working pressure 10000 PSI for H2S service and 15,000 psi for Standard Service.
- Integral pup joints can be made available with two models, one is plain integral pup joints, another is pup joints with retaining shoulder, integral pup joints with retention shoulder features specially machined shoulder to prevent nut from sliding down pup joints when held vertically



NPST Pup Joints

- NPST Pup joints are made of high-quality seamless pipeline with male and female detachable Hammer Unions
- Uniform bore for greater flow capacity
- Available from 2" to 3" sizes, lengths for pup joints range from 2 foot to 20 feet.
- Cold Working pressure 10000 PSI for H2S service and 15,000 psi for Standard Service.

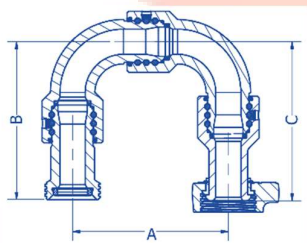


SWIVEL JOINT

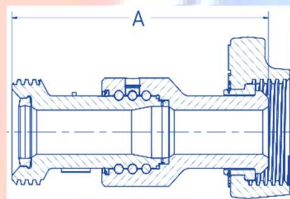
Long Radius Swivel Joint

Available in sizes 2" & 3" up to 15,000 PSI

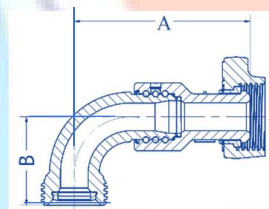
- Long Sweep Joints have long radius elbows for better flow characteristics.
- Recommended for high pressure applications.
- Field repairable and easy to use.
- Available in both union and threaded ends.



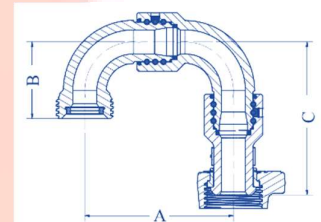
STYLE 10 MXF



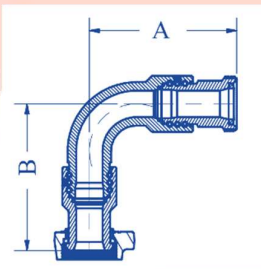
STYLE 20 MXF



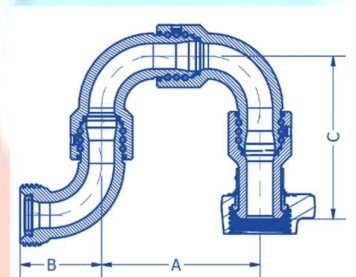
STYLE 30 MXF



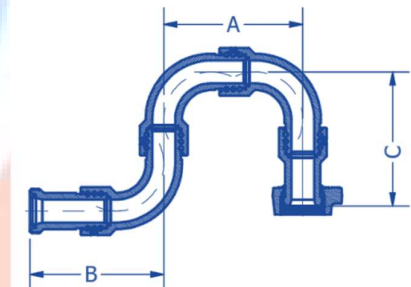
STYLE 50 MXF



STYLE 60 MXF



STYLE 80 MXF

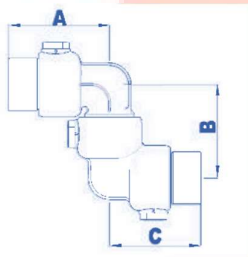


STYLE 100 MXF

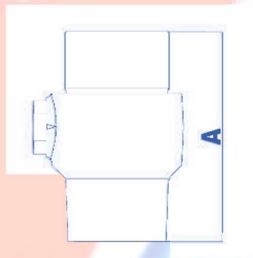
Style	End Connection	2"			3"		
		A	B	C	A	B	C
10	MxF	10.95	10.95	10.95	16.4	14.4	14.4
	MxM	10.95	10.95	10.95	16.4	14.4	14.4
20	MxF	10.95	-	-	12.4	-	-
30	MxF	10.95	5.5	-	14.4	7.9	-
50	MxF	10.95	5.5	10.95	16.4	7.9	14.4
60	MxF	10.95	10.86	-	14.4	14.4	-
80	MxF	10.95	5.5	10.95	16.4	14.4	14.4
100	MxF	10.95	10.95	10.86	16.4	14.4	14.4

Short Radius Swivel Joint

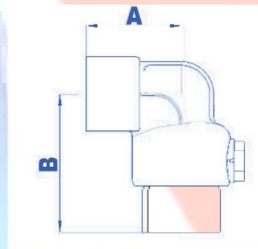
- Smooth rotation without sacrificing strength and integrity of steel.
- Superior hardened ball races ensure uniform surface hardness and depth for longer life under severe thrust and radial loading
- Standard Swivel Joints are provided with API line pipe threads
- Other end connections are available on request
- Material meets the requirements of the ASTM / ANSI Standards.



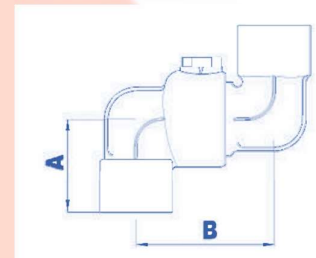
STYLE 10



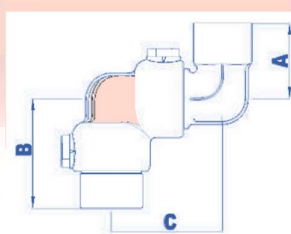
STYLE 20



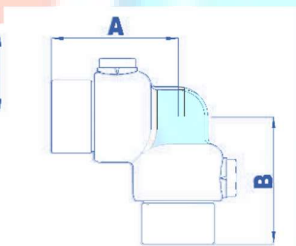
STYLE 30



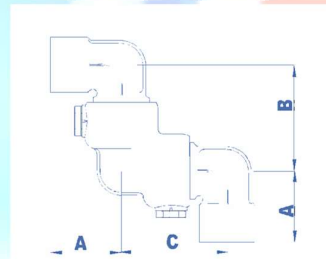
STYLE 40



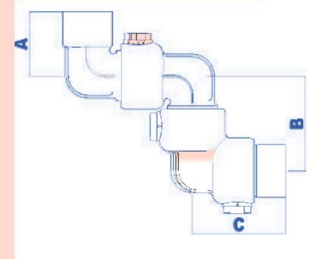
STYLE 50



STYLE 60



STYLE 70

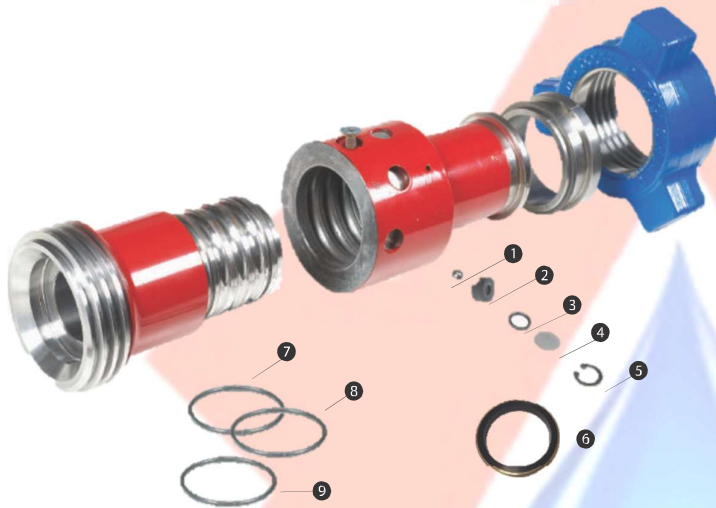


STYLE 80

Style	CWP (PSI)	End Connection	A	B	C
10	6,000	Threaded	6.45	5.98	5.98
20	6,000	Threaded	6.65	-	-
30	6,000	Threaded	4	5.82	-
40	6,000	Threaded	4	5.98	-
50	6,000	Threaded	4	5.98	5.82
60	6,000	Threaded	5.82	5.82	-
70	6,000	Threaded	4	5.98	5.98
80	6,000	Threaded	4	5.98	5.82

REPAIR KIT - SWIVEL JOINT

Long Radius Swivel Joint



No	Part Description	Qty	
		2"	3"
1	Ball	72	93
2	Ball Plug	3	3
3	Ball Plug O-ring	3	3
4	Ball Plug Cover	3	3
5	Snap Ring	3	3
6	Pressure Seal	1	1
7	Grease O-ring(B)	1	1
8	Grease O-ring(M)	1	1

Short Radius Swivel Joint



No.	Item	Qty.
1	O-ring	1
2	Pressure Seal	1
3	Ball	52
4	Nipple Nut O-ring	1
5	Nipple Nut	1
6	Grease Fitting	1

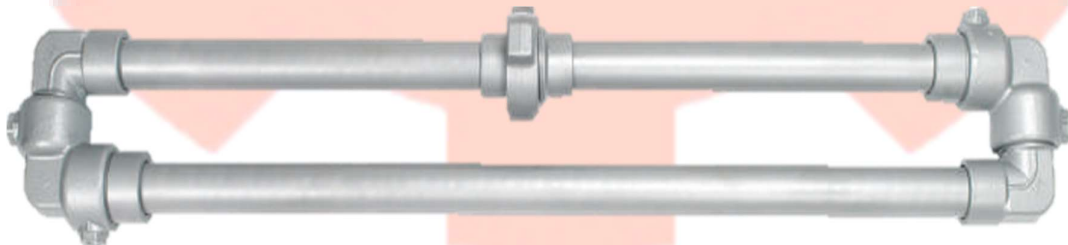
STEEL HOSE LOOPS

High pressure steel hoses incorporate swivel joints of forged steel with superior quality hardened ball races and high-pressure type packing units.

- Available in 2" and 3" of nominal pipe sizes.
- Suitable for Cementing Lines, Water Lines, Well Testing Lines etc.
- Available in Standard and Sour Service
- One wing union and one each style 50 and style 10 swivel joints with integral wing union ends
- Four wing unions and two style 50 or style 10 swivel joints with integral wing union ends
- Available in 2" and 3" of nominal pipe sizes.
- Long Radius Steel hoses are suitable for pressures up to 15,000 psi.
- Short Radius steel hoses are suitable for pressures up to 6,000 psi.



Long Radius Steel Hoses



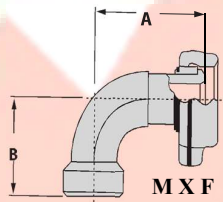
Short Radius Steel Hoses

CES

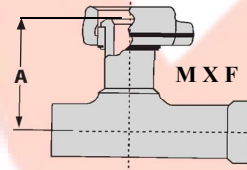
INTERGRAL FITTINGS



Long sweep Elbows



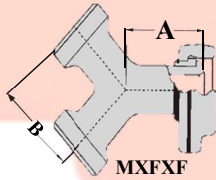
Long sweep Elbows



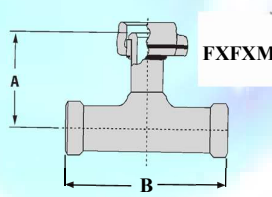
Elbow

Size	Long sweep Elbows				ELBOW
	M X M		M X F		
	A	B	A	B	A
2"	7.18	5.15	7.18	5.52	6.08
3"	10.02	7.70	10.02	7.96	8.02

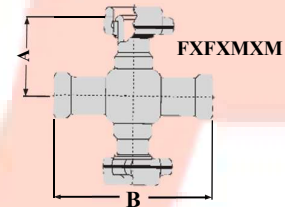
Wyes, Tees & Cross



Wyes



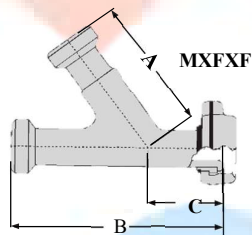
Tee



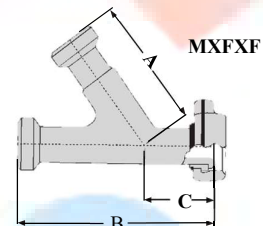
Cross

Size	Wyes		Tees		Cross	
	A	B	A	B	A	B
2"	5.27	5.02	6.08	12.12	6.08	12.12
3"	7.77	7.52	8.02	16.00	8.02	16.00

Lateral



45° Lateral



60° Lateral

Size	Union Ends	45° Lateral			60° Lateral		
		A	B	C	A	B	C
2"	-	10.50	15.75	5.25	N/A	N/A	N/A
3"	602	N/A	N/A	N/A	8.5	16	6.63
3"	1502	N/A	N/A	N/A	8.5	16	6.63

CROSSOVERS

Adapters and Crossover are available in high quality forged construction with threaded, integral & Welded hammer lug union end connection. Also available in different configurations on customer request.



FLANGES

Manufacturer of various types of Flanges and pipe fittings required in the oilfield, Petrochemical and different processes industries, Precision matching and unparalleled dedication to quality excellence which has kept us in the fore front of oil industry. We also manufactured adapters flanges which are available in various bore sizes and with quick union connection compatible, Flange /Adapters are supplied for standard or H2S service and working pressure up to 15,000 PSI.



Threaded Flange



Adapter Flange



Blind Flange



Weld neck Flange

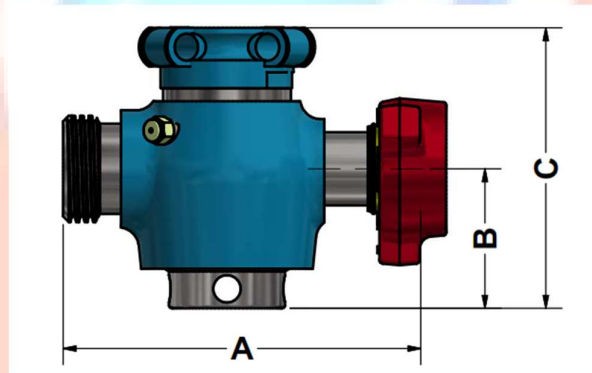
PLUG VALVE

- Standard service is used up to 15,000psi and tested at 22,500psi
- H2S service is used up to 10,000psi and tested at 15,000psi
- Rugged Construction with Forged Alloy Steel Body
- Reliable Performance at high working pressure
- Bottom Entry design, Top Entry design, Easy Maintenance
- Valve Parts are Interchangeable with most major designs
- Suitable for variety of high-pressure applications such as fracturing, cementing, acidizing and etc.
- Each valve is serialized



Plug Valves are a lubricated, tapered seal, quarter-turn plug valve for rapid full open or close operation. The valve cavity is tapered to ensure uniform seating of the sealing inserts, providing a reliable seal at the full range of pressures. CES Plug Valves are presently offered in 2" x 1", 2" x 2" and 3" x 3" configurations with Fig. 1502 Hammer unions ends. CES Plug valves can be offered specifically with the end connections or combinations to suit the specific field application.

Bottom Entry Plug Valve



DESCRIPTION	STD. SERVICE	SOUR SERVICE	DIMENSION (inches)		
	CWP PRESSURE	CWP PRESSURE			
	TEST PRESSURE	TEST PRESSURE	A	B	C
1" x 2" 1502	15,000 PSI	10,000 PSI	10.55	4.72	9.21
	22,000 PSI	22,500 PSI			
2" X 2" 1502	15,000 PSI	10,000 PSI	13.87	5.4	10.90
	22,000 PSI	22,500 PSI			
3" X 3" 1502	15,000 PSI	10,000 PSI	17	7.19	13
	22,000 PSI	22,500 PSI			

Plug Valve Repair Kit Composition



BILL OF MATERIAL		
No.	Description	Qty.
1	Plug Seal	2
2	Plug	1
3	Insert	2
4	Insert O-ring	2
5	Adjusting Nut O-ring	1

CHOKER MANIFOLD

CES manufacture a range of Manifolds for applications like choke & kill lines, standpipe and high-pressure pumping in sizes up to 4-1/16" and pressures up to 15,000 PSI. Customized manifolds to specific requirements can be ordered.



- **Cement Manifolds**
- **Choke Manifolds**
- **Choke and Kill Manifolds**
- **Flowback Manifolds**
- **Well Testing Manifolds**

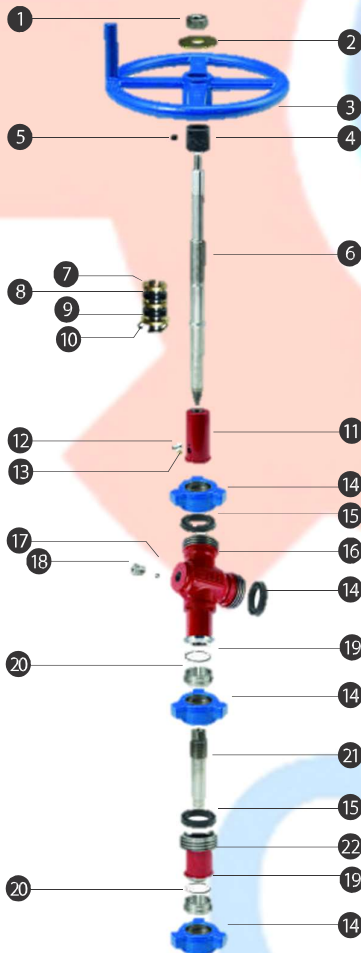
CHOKE

Adjustable and positive choke tees are primarily used in choke manifolds, flow thru manifolds and test manifolds. Various forged-body configurations are available in 2-inch and 3-inch sizes, for up to 15000 psi cold working pressure. These Adjustable and Positive Chokes are also available in sour gas configuration.



Adjustable Choke

- 2" and 3" Fig 1502 MXF with 3/4", 1" and 2" Orifice
- Standard and H2S Service are used up to CWP 15,000 psi, tested at 22,500 psi Hammer Union end connection
- Forged alloy steel body, stainless steel and tungsten carbide parts
- Suitable for a broad range of applications including wellheads, production manifolds, well testing, steam injection, choke and kill manifolds and well clean operations, etc



BILL OF MATERIAL

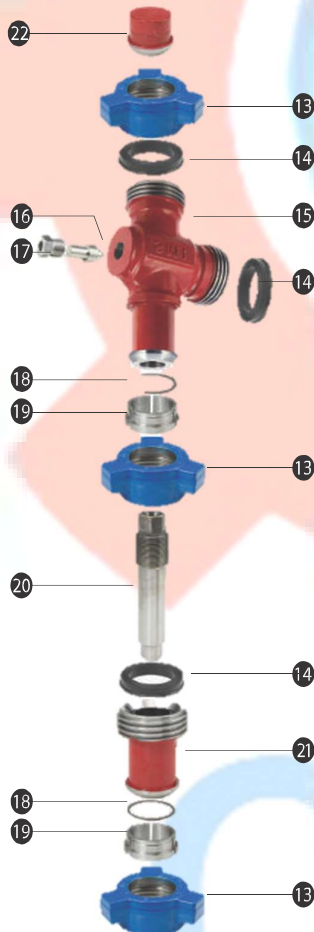
No.	Description	Qty.
1	Stem	1
2	Washer	1
3	Hand Wheel	1
4	Indicator	1
5	Lock Screw	1
6	Choke Stem	1
7	Stem Guide	2
8	Stem	2
9	Junk	1
10	Snap	1
11	Choke Bonnet	1
12	Thumb Screw	1
13	Grease Fitting	1
14	Wing	3
15	Lip Seal	2
16	Choke Body	1
17	Plug	1
18	Stem	1
19	Retainer Ring	2
20	Segment	6
21	Choke Seat	1
22	Choke Saver	1

Adjustable Choke Repair Kit Composition

BILL OF MATERIAL		
No.	Description	Qty.
7	Stem Guide	2
8	Stem Seal	2
9	Junk Ring	1
10	Snap Ring	1

Positive Choke

- 2" and 3" Fig 1502 M x F with 3/4", 1", and 2" Orifice
- Standard and H2S Service are used up to CWP 15,000 psi, Tested at 22,500psi
- Hammer Union End Connection
- Forged alloy steel body, stainless steel and tungsten carbide parts. Suitable for a broad range of applications including wellheads, production manifolds, well testing, steam injection, choke and kill manifolds and well clean operations, etc.



BILL OF MATERIAL		
No.	Description	Qty.
13	Wing Nut	3
14	Lip Seal	2
15	Choke Body	1
16	Plug Stem	1
17	Stem Cap	1
18	Retainer Ring	2
19	Segment	2
20	Choke Bean	1
21	Choke Saver	1
22	Blind Male Sub	1

Adjustable Choke Repair Kit Composition

No.	Description	Qty.
20	Choke Bean	1

GASKETS

Metallic Ring Joint Gaskets are suitable for high pressure and high temperature applications. The Gaskets are available in R, RX, BX styles and in oval / octagonal profiles. We Ring Joint Gaskets fully comply with the ASME B16.20 standard and API spec 6A requirements (where applicable).



API Pressure Rating	Flange Size & Bore	Ring Gasket		Number of Studs	Stud Dimensions		API Pressure Rating	Flange Size & Bore	Ring Gasket		Number of Studs	Stud Dimensions	
					Diameter	Length						Diameter	Length
2000PSI	2 1/16"	R-23	RX-23	8	5/8"	4 3/4"	3000psi	2 1/16"	R-24	RX-24	8	7/8"	6"
	2 9/16"	R-26	RX-26	8	3/4"	5 1/4"		2 9/16"	R-27	RX-27	8	1	7"
	3 1/8"	R-31	RX-31	8	3/4"	5 1/2"		3 1/8"	R-31	RX-31	8	7/8"	6 1/4"
	4 1/16"	R-37	RX-37	8	7/8"	6 1/4"		4 1/16"	R-37	RX-37	8	1 1/8"	7 1/2"
	5 1/8"	R-41	RX-41	8	1"	7 1/4"		5 1/8"	R-41	RX-41	8	1 1/4"	8 1/4"
	7 1/16"	R-45	RX-45	12	1"	7 1/2"		7 1/16"	R-45	RX-45	12	1 1/8"	8 1/2"
	9"	R-49	RX-49	12	1 1/8"	8 1/2"		9"	R-49	RX-49	12	1 3/8"	9 1/2"
	11"	R-53	RX-53	16	1 1/4"	9 1/4"		11"	R-53	RX-53	16	1 3/8"	10"
	13 5/8"	R-57	RX-57	20	1 1/4"	9 1/2"		13 5/8"	R-57	RX-57	20	1 3/8"	10 3/4"
	16 3/4"	R-65	RX-65	20	1 1/2"	10 3/4"		16 3/4"	R-66	RX-66	20	1 5/8"	12 1/4"
6BX	21 1/4"	R-73	RX-73	24	1 5/8"	12 1/2"	20 3/4"	R-74	RX-74	20	2"	15"	
	26 3/4"	BX-167		20	1 3/4"	14 1/4"	26 3/4"	BX-168		24	2"	17 1/2"	

API Pressure Rating	Flange Size & Bore	Ring Gasket		Number of Studs	Stud Dimensions		API Pressure Rating	Flange Size & Bore	Ring Gasket		Number of Studs	Stud Dimensions	
					Diameter	Length						Diameter	Length
5000psi	2 1/16"	R-24	RX-24	8	7/8"	6 1/4"	10,000psi	1 13/16"	BX-151		8	3/4"	5 1/4"
	2 9/16"	R-27	RX-27	8	1"	7"		2 1/16"	BX-152		8	3/4"	5 1/2"
	3 1/8"	R-35	RX-35	8	1 1/8"	7 3/4"		2 9/16"	BX-153		8	7/8"	6 1/4"
	4 1/16"	R-39	RX-39	8	1 1/4"	8 1/2"		3 1/16"	BX-154		8	1"	7 1/4"
	5 1/8"	R-44	RX-44	8	1 1/2"	10 3/4"		4 1/16"	BX-155		8	1 1/8"	8 1/4"
	7 1/16"	R-46	RX-46	12	1 3/8"	11 1/4"		5 1/8"	BX-169		12	1 1/8"	9"
	9"	R-50	RX-50	12	1 5/8"	12 1/2"		7 1/16"	BX-156		12	1 1/2"	11 3/4"
	11"	R-54	RX-54	12	1 7/8"	14 1/2"		9"	BX-157		16	1 1/2"	13 1/4"
	13 5/8"	BX-160		16	1 5/8"	12 3/4"		11"	BX-158		16	1 3/4"	15 1/2"
	16 3/4"	BX-162		16	1 7/8"	14 3/4"		13 5/8"	BX-159		20	1 7/8"	17 3/4"
6BX	18 3/4"	BX-163		20	2"	17 1/2"	16 3/4"	BX-162		24	1 7/8"	17 3/4"	
	21 1/4"	BX-165		24	2"	18 3/4"	18 3/4"	BX-164		24	2 1/4"	22 1/2"	
							21 1/4"	BX-166		24	2 1/2"	24 1/2"	

API Pressure Rating	Flange Size & Bore	Ring Gasket	Number of Studs	Stud Dimensions	
				Diameter	Length
15,000psi	1 13/16"	BX-151	8	7/8"	5 3/4"
	2 1/16"	BX-152	8	7/8"	6 1/4"
	2 9/16"	BX-153	8	1"	7"
	3 1/16"	BX-154	8	1 1/8"	8"
	4 1/16"	BX-155	8	1 3/8"	9 1/2"
	5 1/8"	BX-169	12	1 1/2"	11 1/2"
	7 1/16"	BX-156	16	1 1/2"	13"
	9"	BX-157	16	1 7/8"	15 3/4"
	11"	BX-158	20	2"	19 1/2"
	13 5/8"	BX-159	20	2 1/4"	21"
6BX	18 3/4"	BX-164	20	3"	26 3/4"

API Pressure Rating	Flange Size & Bore	Ring Gasket	Number of Studs	Stud Dimensions	
				Diameter	Length
20,000psi	1 13/16"	BX-151	8	1"	7 3/4"
	2 1/16"	BX-152	8	1 1/8"	8 1/2"
	2 9/16"	BX-153	8	1 1/4"	9 1/2"
	3 1/16"	BX-154	8	1 3/8"	10 1/4"
	4 1/16"	BX-155	8	1 3/4"	12 1/4"
	7 1/16"	BX-156	16	2"	17 3/4"
	9"	BX-157	16	2 1/2"	21 3/4"
	11"	BX-158	16	2 3/4"	23 3/4"
	13 5/8"	BX-159	20	3	30"



CANNY ENGINEERING SERVICES

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