

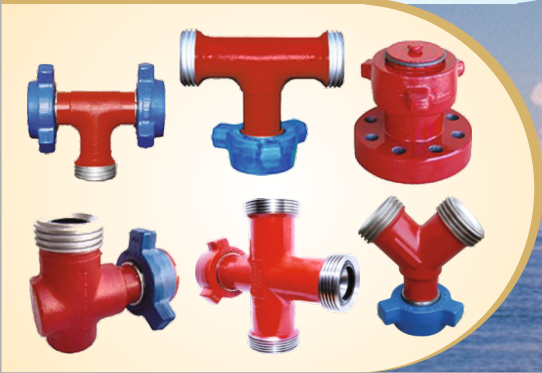


COMPETENT FORGING

LIMITED

HAMMERING TO SHAPE THE FUTURE
NOT JUST FORGING

AN ISO 9001-2015 COMPANY





COMPANY PROFILE

We "Competent Forging Limited" have established itself as an eminent manufacturer, supplier, and exporter of a wide range of forging products under the able guidance of our mentor Sh. PC. Goyal with the support of Sh. Vipin Goyal for more than 50 years. We have carved a niche in the competitive industry because of his vast experience in the Forging Industry; this further facilitates the us in expanding our reach of domestic & international markets. Our state-of-the-art manufacturing unit is well equipped with latest machines and has adequate testing facilities which facilitate us in manufacturing quality products as per Customer requirements; we understand the varied requirements of different industries and have in-depth knowledge of various manufacturing processes like Forging, Ring Rolling, Heat Treatment, Cold Drawing, and Machining & Assembly. We have a total installed capacity of Forging @10000 tons and Machining @5000 tons per year.

CFL has the capability to forge components upto 300 Kgs using Drop closed die Drop forging Technology.

Our company specializes in customizing components for the Oil & Gas Field, Automotive, Railways, Defence, and construction equipment.

CFL is spread across 2000 acres of land, strategically located in Saroorpur industrial area, Sohna road, Faridabad, Haryana, India.

Our plant is vertically integrated having all the requisite facilities for forging, machining, heat treatment, inspection, testing, Painting and Assembly etc with all activities complying with stringent global norms

QUALITY CONTROL

We deliver forgings, oil field products, Railways Products, Construction Equipments and machining components as per API Q1, API 6A & International standards. The plant is "ISO-9001" certified Plant.

WHY US

- ISO 9001-2015
- Inhouse design & development.
- Inhouse NDT & testing facility.
- Experienced & Qualified Skilled Technical Team with average work experience of 10- 15 years.
- Latest Software
- We have all facilities in house like forging, Tools & Die, Heat Treatment, NDT, Machining & Assembly and Painting,



INFRASTRUCTURE



Stock

We Keep more then 2000 Ton of various grade of Raw material in stock, so we can process any new order faster.



Cutting shop

Automated Band saws & CNC Cutting from globally renowned suppliers namely Tannu Tools & ITL-CSNC to ensure precision cutting and minimize wastage.

8 Nos BandSaw, 1 Nos Circular Bandsaw

Cutting Capacity:- 5 mm to 500 mm Dia.



Forge shop

1 Ton, 1.5 Ton, 2.5 Ton, and 3 Ton Hammer (Closed Die) 150 Ton 2 Nos, 100 Ton 1 Nos, 200 Ton 1 Nos, 250 Ton 3 Nos, 350 Ton 1 Nos, 400 Ton 1 Nos, Power (Trimmin) Presses



Dies & Tooling shop

We have state of art manufacturing facility for tools and dies equipped with VMC and CNC machines for fast processing of dies and also We have complete tool room equipped with conventional machines also.



INFRASTRUCTURE



Heat treatment & Shot blasting

We have installed Gas fired Batch Type Normalizing, Hardening & Tempering Furnaces & All Type of heat treatment activity and Shot Blasting Machines 2 Nos



In-house inspection

In-house facility to check the hardness of heat-treated forgings as well as finish components on the scale of HBW and HRB. NDE testing facilities like UT, MPI, LPT are available with written practice for acceptance criteria which is approved by the ASNT Level-III inspector.



CNC Machining

We are fully equipped for machining , paint, and assembly and have VMC's and CNC 's of various sizes and specifications . We have capacity of 5 axis machining also , marking section is equipped with laser and dot marking , so we are ready to deliver any component and assembly with our fully capable design department .



INFRASTRUCTURE



Pressure testing

Pressure Testing Machines from Maximator make, which can test up to 36000 PSI.



Painting booth

Paint booth setup with trained Operator for all types of components



Marking Machine

We have a dot & Laser Marking Machine



HAMMER UNIONS

Competent Forging Limited offers a comprehensive range of standard and sour gas Hammer Unions. Each union is thoroughly inspected and tested to ensure long, dependable service in the most extreme conditions.



Specifications For Threaded and Butt Weld Hammer Unions

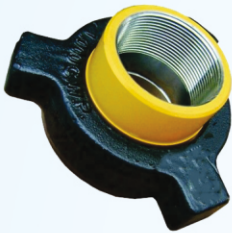
Fig. No.	Assembly Color Code for Standard Service	Pressure Rating (PSI)				Nominal Pipe Sizes																
		Standard Service		Sour Gas Service		(in.)	1/2	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12			
		Cold Working	Test	Cold Working	Test	(mm)	13	25	32	38	50	65	80	100	125	150	200	250	300			
50		500	750	N/A	N/A																	
100		1,000	1,500	N/A	N/A																	
101		1,000	1,500	N/A	N/A																	
200		2,000	3,000	2,000	3,000																	
201		2,000	3,000	2,000	3,000																	
206		2,000	3,000	2,000	3,000																	
207		2,000	3,000	2,000	3,000																	
211		2,000	3,000	N/A	N/A																	
300		2,000	3,000	N/A	N/A																	
400		4,000	6,000	4,000	6,000																	
602		6,000	9,000	6,000	9,000																	
1002		10,000	15,000	7,500	11,250																	
1003		10,000	15,000	7,500	11,250																	
1004		10,000	15,000	7,500	11,250																	
1502		15,000	22,500	10,000	15,000																	
2002		20,000	30,000	N/A	N/A																	
2202		N/A	N/A	15,000	22,500																	
6666		6,000	9,000	N/A	N/A																	

Fig. 50 Union Red Nuts, Red Subs



- These Hammer Unions are recommended for suction and low pressure lines.
- Available in threaded, butt weld and socket weld ends.

Fig. 100 Union Black Nut, Yellow Subs



- These Hammer Unions are used in low pressure manifold lines and air, water, oil or gas applications.
- Available in both threaded and butt weld ends.
- Metal to metal sealing surface ends.

Fig. 101 Union Beige Nut, Yellow Subs



- These Hammer Unions are used in low pressure manifold lines and air, water, oil or gas applications.
- Available in threaded ends.
- Subs with flat face.
- O-ring recommended for line connections where straight breakout of short pipe segments is required.

Fig. 200 Union Blue Nut, Grey Subs



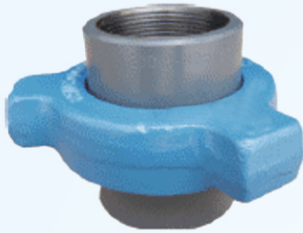
- These Hammer Unions are used in general service manifold lines and air, water, oil or gas applications.
- Available in both threaded and butt weld ends.
- Metal to metal sealing surface.

Fig. 201 Union Gold Nut, Grey Subs



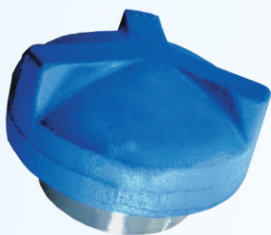
- These Hammer Unions are used in air, water, oil or gas applications.
- Available in threaded ends.
- Subs with flat face.
- O-ring recommended for line connections where straight breakout of short pipe segments is required.

Fig. 206 Union Blue Nut, Grey Subs



- These Hammer Unions are similar to Fig 200 with a secondary seal to supplement the metal-to-metal design.
- Recommended for use in corrosive environments.
- Available in both threaded and butt weld ends.

Fig. 207 Union Blue Nut, Grey Subs



- Fig 207 Hammer Unions are fully interchangeable with figure 200 and 206 unions.
- Used to blank off the end of a line.
- O-ring is provided in blanking cap to ensure leak proof seal.
- Available in both threaded and butt weld ends.

Fig. 211 Union Grey Nut, Blue Subs



- These Hammer Unions are used in production systems with electrolytic corrosive environments.
- 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
- Available in threaded ends.

Fig. 300 Union Grey Nut, Yellow Subs



- These Hammer Unions have a flat face design which permits straight breakout for lateral removal of valves and other fittings for inspection or replacement.
- Available in threaded ends.

Fig. 400 Union Black Nut, Red Subs



- These Hammer Unions are used in manifold & line connections, pump suction and mud services.
- Available in both threaded and butt weld ends.
- 3" through 12" sizes have o-ring for primary seal.

Fig. 602 Union Black Nut, Orange Subs



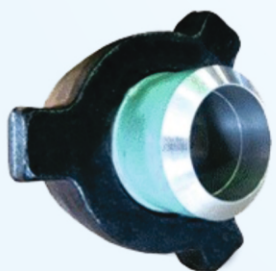
- These Hammer Unions are used in water, oil, gas and mud service.
- Replaceable, lip type rubber seal provides primary sealing.
- Available in both threaded and butt weld ends.

Fig. 1002 Union Red Nut, Blue Subs



- These Hammer Unions are used in high pressure applications for choke and kill lines, cementing and acidizing.
- Replaceable, lip type rubber seal provides primary sealing up to 4".
- 5" and 6" sizes have o-ring for primary sealing.
- 6" unions are only available in butt weld for sour service.
- Available in both threaded and butt weld ends.

Fig. 1003 Union Black Nut, Green Subs



- These Hammer Unions are used in air, water, oil, mud, gas service, high pressure manifold, drilling rig where alignment of piping components is a problem.
- 5" unions are only available in butt weld ends only.
- Replaceable o-ring on male sub provides primary sealing.
- Available in both threaded and butt weld ends.



Fig. 1004 Union Red Nut, Grey Subs



- Available in threaded & butt weld ends Face of male & female subs is perfectly square.
- Provided with lip type seal ring.

Fig. 1502 Union Blue Nut, Red Subs



- These Hammer Unions are used in cementing, acidizing, choke and kill lines.
- Replaceable lip type rubber seal.
- Available in both threaded and butt weld ends.

Fig. 2002 Union Green Nut, Grey Subs



- Replaceable lip type rubber seal.
- Available in butt weld ends only.

Fig. 2202 Union Green Nut, Green Subs



- These Hammer Unions are specially designed for sour gas service.
- Replaceable lip type rubber seal with stainless steel anti extrusion ring.
- Available in butt weld ends only.

Fig. 6666 Union Brown Nut, Silver Subs



G-Type 10000 PSI Union Green Nut, Silver Subs



STEEL HOSE ASSEMBLIES

- Used in a variety of high pressure well service applications.
- Utilize swivel joint & hammer union end connections for fast and secure make up & breakout operations.
- Made to with stand cold working pressures up to 15,000 PSI for standard service and 10,000 PSI for sour service.
- Steel Hoses Assemblies eliminate the need for exact alignment when installing to facilitate the routing of lines around fixed objects and simplify folding, transporting and storage of equipment.

Specifications

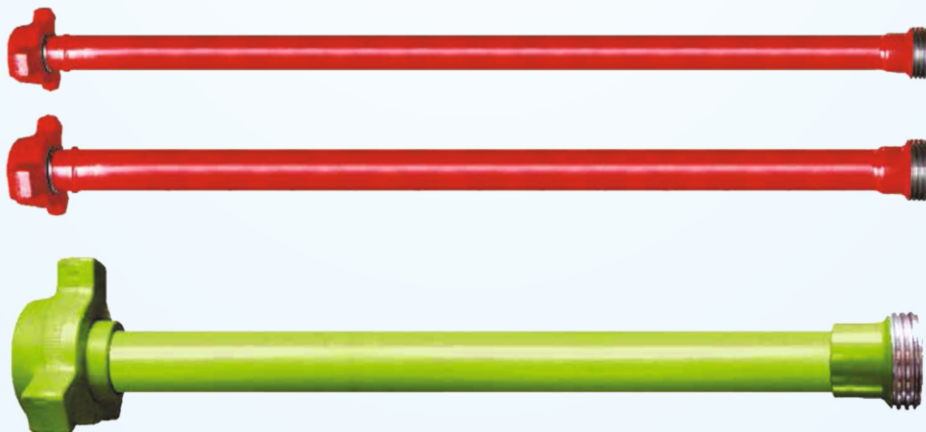
Size	Swivel Joint Style	Quantity of Wing Unions	Weight (LBS)
2" x 10'	50 & 10	1	140
2" x 12'	50 & 10	1	170
2" x 12'	(2) 50	2	180
2" x 12'	(2) 50	4	208
3" x 12'	(2) 50	4	455



PUP JOINTS

COMPETENT FORGING MANUFACTURES: Pup Joints with integral hammer lug union end connections. This enables faster, easier make-up and break-out of temporary flow lines.

- Integrally forged hammer lug union end connections eliminate welding or threading.
- Lightest Pup Joint available for fast, easy handling.
- Available in butt weld, integral, threaded (LPT& NPST).
- Sizes from 2" to 4". Integral Pup Joint available in lengths 2 feet to 12 feet while threaded/butt weld is available 2 feet to 20 feet.
- Available in 6,000 to 20,000 PSI pressure rating.
- All products manufactured from forged steel which meets ASTM and/or AISI standards.
- Available in both standard and sour service.





EXTRA HIGH PRESSURE LONG SWEEP SWIVEL JOINTS

COMPETENT FORGING MANUFACTURES: Swivel Joints which are metallic pipe fittings with integral ball-bearing swivels. Features include:

- Smooth rotation and movement without sacrificing strength and integrity of the steel.
- Streamlined bore minimizes flow restrictions, turbulence and pressure drop.
- Long-sweep Swivel Joints have extra-long radius elbows for better flow characteristics.
- Tri-race ball bearing Swivel Joints are matched to load capacities & service conditions.
- All ball races are either flame hardened, carburized & hardened or snap-in stainless steel.
- All Swivel Joints are field repairable and easy to use. Repair kits are available.
- Threaded, integral wing union, beveled for welding or flanged end connections are available.
- Sizes available 2" to 4" furnished with high Nitrile / Viton packing and brass or stainless steel ring.
- All joints are specially heat treated to achieve optimal hardness.
- Sour gas Swivel Joints are manufactured in accordance with the NACE MR-01-75 Standard.



Specifications

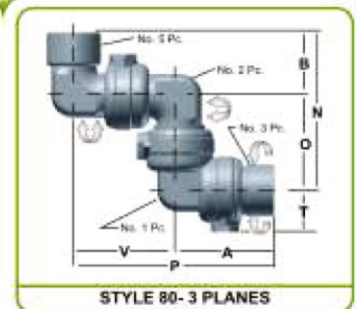
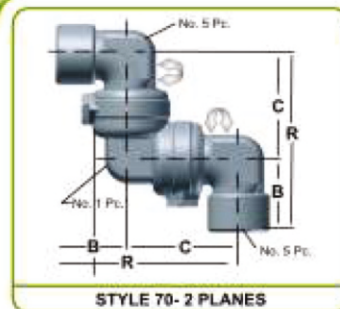
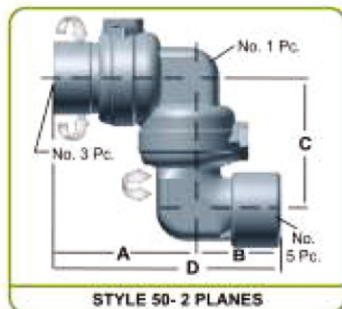
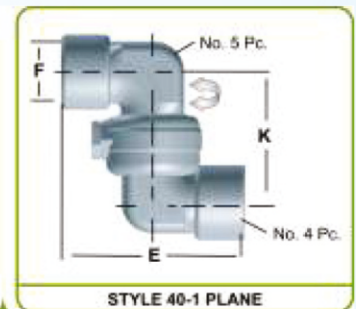
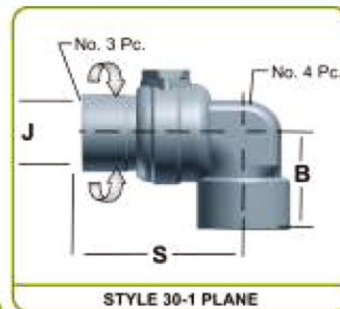
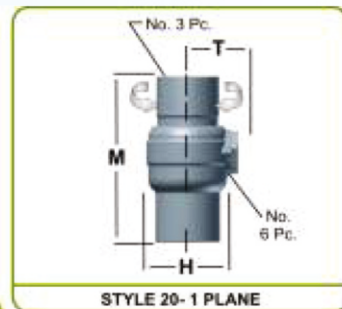
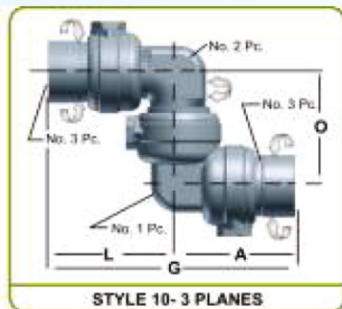
Models	Colour Code	Cold Working Pressure (PSI)	Material	End Connections	Sizes (inches)						
					3/4	1	1 1/4	1 1/2	2	3	4
Low Pressure Swivel Joints	Blue	1,000	Carbon Steel	NPT						✓	
				Beveled for welding						✓	
High Pressure Swivel Joints	Silver	6,000	Alloy Steel	Female line pipe threads	✓	✓	✓	✓	✓	✓	
				figure 602 union	✓	✓	✓	✓	✓	✓	
Long Sweep Swivel Joints	Olive Green (Sour Gas)	7,500	Alloy Steel	figure 1002 union					✓	✓	✓
	Olive Green (Sour Gas)	10,000	Alloy Steel	figure 1502 union					✓	✓	✓
	Black	10,000	Alloy Steel	Female line pipe threads					✓	✓	✓
				figure 1002 union					✓	✓	✓
	Olive Green (Sour Gas)	15,000	Alloy Steel	figure 2202 union					✓	✓	
	Red	15,000	Alloy Steel	figure 1502 union					✓	✓	✓
	Light Blue	20,000	Alloy Steel	figure 2002 union					✓	✓	

HIGH PRESSURE SHORT RADIUS SWIVEL JOINTS

Available in sizes 3/4, through 3" for 6,000 PSI, non-shock cold working pressure. All sizes available in eight styles for 360 rotations in one, two or three planes. These Swivel Joints are recommended for hydraulic control lines, mud lines, rotary, line connections, BOP lines, test lines, water lines, offshore wellhead connections, cementing, circulating hoses and choke-kill lines.

FEATURE:

- Smooth rotation and movement without sacrificing strength and integrity of the steel.
- Streamlined bore minimizes flow restrictions, turbulence and pressure drop.
- End connections are threaded or union ends.
- All joints are specially heat treated to maintain optimal hardness and undergo strict quality control.
- All material meets ASTM and/or AISI standards.



Size Chart

SIZE (Inches)	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	V
3/4-1	4-5/8	2-23/32	4-7/32	7-11/32	5-7/16	1-3/4	9-1/4	2-7/16	1-3/4	4-7/32	4-5/8	5-3/16	6-15/16	4-7/32	8-27/32	6-15/16	4-5/8	1-7/8	4-7/32
1-1/4/1-1/2	4-23/32	3-3/16	4-9/32	7-29/32	6-3/8	2-1/2	10-1/32	2-7/8	2-3/8	4-9/32	5-5/16	5-15/32	7-15/32	4-9/32	9-9/16	7-15/32	4-23/32	2-1/8	4-27/32
2	5-27/32	4-1/32	5-7/8	9-7/8	8-1/16	3-1/8	12-5/16	4-1/8	3-5/16	5-7/8	6-15/32	6-21/32	10-1/32	6-1/32	12-11/32	9-29/32	5-27/32	2-21/32	6-1/2
3	8-5/8	8-5/8	7-15/16	13-1/4	9-1/4	4-5/16	18-1/16	5-13/16	4-1/2	8-3/4	9-7/16	9-1/8	12-9/16	7-15/16	17-3/8	12-9/16	9-7/16	3-3/8	8-3/4

Note : All dimensions are in inches



INTEGRAL FITTINGS

COMPETENT FORGING MANUFACTURES: Integral fittings those are high quality forged construction with wing union end connections and can be combined to suit virtually any installation.

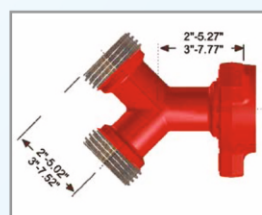
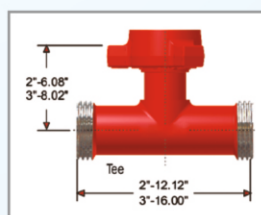
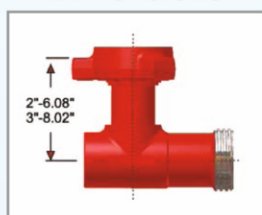
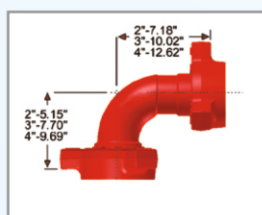
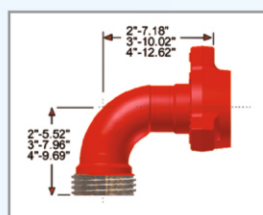
Quick Reference Chart

Integral Fitting Sizes (Inches)	Hammer Union Figure No.	Long sweep Elbows		Block Elbows		
						
		FxM (LBS)	MxM (LBS)	FxM (LBS)	MxM (LBS)	FxF (LBS)
2	602	22	29	29	35	24
	1002	24	29	29	35	24
	1502	30	36	35	41	29
3	602	50	60	65	74	56
	1002	52	60	65	74	56
	1502	55	70	70	84	58
4	602	90	103	-	-	-
	1002	90	103	-	-	-
	1502	123	163	-	-	-



Integral Fitting Sizes (Inches)	Hammer Union Figure No.	Tees						Wyes
								
		FxFxF (LBS)	FxFxM (LBS)	MxFxF (LBS)	MxFxM (LBS)	MxMxF (LBS)	MxMxM (LBS)	MxFxF (LBS)
2	602	28	35	35	40	40	45	31
	1002	28	35	35	40	40	45	31
	1502	34	40	40	46	46	52	34
3	602	61	70	70	78	78	87	-
	1002	61	70	70	78	78	87	-
	1502	62	75	75	87	87	101	-

Dimensions

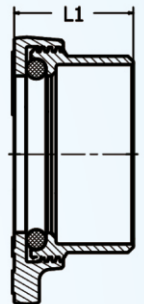
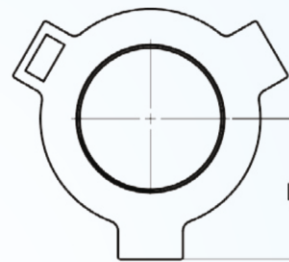


HAMMER SEAL UNIONS

- Designed to quickly connect mud tanks with flanged connections.
- Nitrile o-ring provides a compressive non leak seal that limits the line fluid pressure to 150 PSI.
- The female sub of the hammer seal union welds to a schedule 40/80 pipe.

Specifications

Size	Nut Radius	Total Length	Weight
(Inches)	(Inches)	(Inches)	(LBS)
	L	L1	(Approx.)
4	5.30	3.70	22.10
6	6.60	5.25	33.10
8	7.75	5.25	43.70
10	8.85	5.25	52.05
12	9.85	5.20	63.75
14	10.60	4.70	73.50



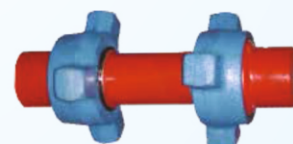
HOSE NIPPLES UNIONS

COMPETENT MANUFACTURES: Hose Nipple Unions from 1" to 8" for all pressure ratings.



ADAPTERS & CROSSOVERS

COMPETENT MANUFACTURES: Adapters and Crossovers are available in high quality forged construction with threaded, integral & welded hammer lug union end connections.



INTEGRAL BLIND SUBS

COMPETENT MANUFACTURES: Blind Male and Female Subs with NPT / Autoclave ports with or without MS/SS chain for all sizes ranging from 1" to 12" for all pressure ratings.





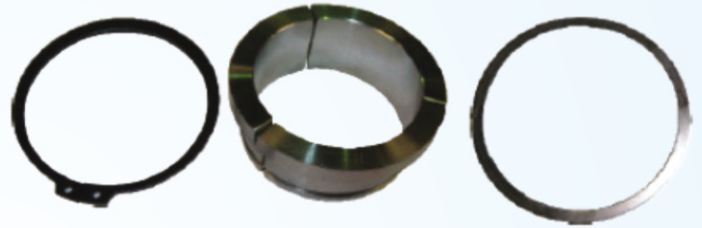
O-RINGS & SEAL RINGS

- O-Rings & Seal Rings for hammer unions are available in Nitrile for standard service and Viton for sour service.



RETAINER RINGS & RETAINER SEGMENTS

- Retainer Rings and Retainer Segments are used for assembly of a wing nut with a male end of hammer union. These are manufactured in all sizes and figure of hammer unions.



API FLANGES

- **Types:** Weld Neck, Blind, Adapter & Companion Flanges.
- **Inlays:** Stainless Steel & Inconel.
- **Services:** Standard & H2S (NACE).
- **PSL Level:** PSL-1, PSL-2, and PSL-3.
- These products are supplied as per customer requirement of PSL level, material class and temperature class.



Weld Neck



Blind



Adapter



Companion

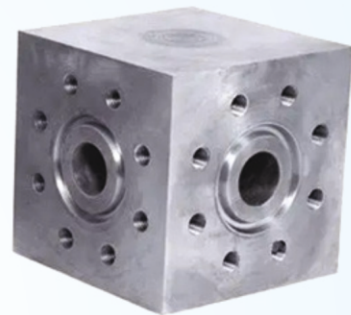
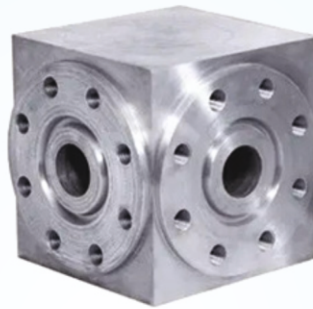
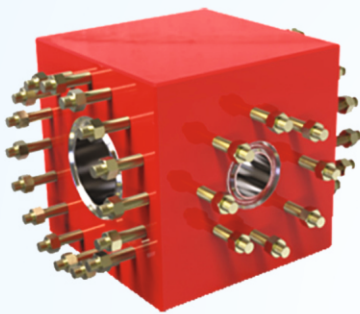
ASME FLANGES

- **Standard:** ASME 16.5, ASME 16.47.
- **Types:** Flat Face (FF), Raised Face (RF), Ring Type Joint (RTJ).
- **Size:** Nominal Diameter 1/2" – 24".
- **Pressure Range:** 150# to 2500#.
- **Material:**
 - ◆ **Carbon Steel:** ASTM A105/A105N A350 LF1, LF2.
 - ◆ **Stainless Steel:** ASTM A182 F304/304L, F316/316L, F316H, F316Ti, F310, F321.
 - ◆ **Alloy Steel:** ASTM A182 F1, F5, F9, F11, F22, F91.
 - ◆ **Duplex & Super Duplex Steel:** ASTM A182.



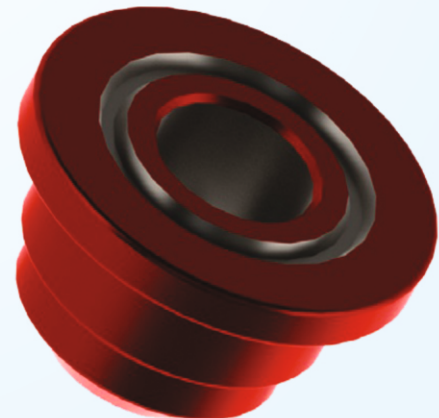
STUDDED TEES AND CROSSES

- **Types :** Tees & Crosses
- **Inlays:** Stainless Steel & Inconel
- **Services:** Standard & H2S (NACE MR 0175)
- **PSL Level:** Upto PSL-4
- These products are supplied as per custom requirement of PSL level, material class and temperature class.
- They come with full material traceability documents.



HUB AND CLAMPS

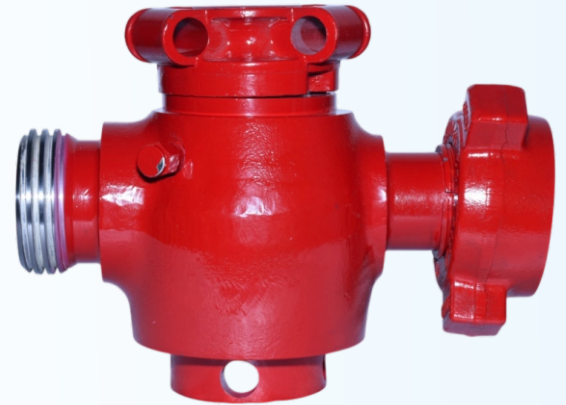
- Clamps allow fast and easy make up even in limited space. All Clamps have 360° adjustability.
- Clamps reliably connect Hubs and other API connections pressure ratings from 2,000 to 20,000 PSI.
- Hubs & Clamps are designed & manufactured in accordance with the following specifications: Temperature rating (- 75° F to + 350° F).
- Physical properties comply with API 16 A requirements Size:- Clamps from No.1 to No. 15.
- Type 16B & 16BX Hubs are of the ring joint type and are designed for face to face make customer requirement of PSL level, material class and re make-up.





PLUG VALVES

- **COMPETENT MANUFACTURERS** high pressure low torque Plug Valves are available in variety size & connections for easy and safe operations. They come in multiple bores and are available up to 15,000 PSI for standard service and 10,000 PSI for sour gas service. Our plug valves are pressure balanced and have replaceable metal liners between the body and plug. Repair kits are also available to increase their life and make them perform safely for longer period.
- These Plug Valves are designed to meet the needs and requirements of the oilfield. They can withstand the high erosion rates and pressures.



CHECK VALVES

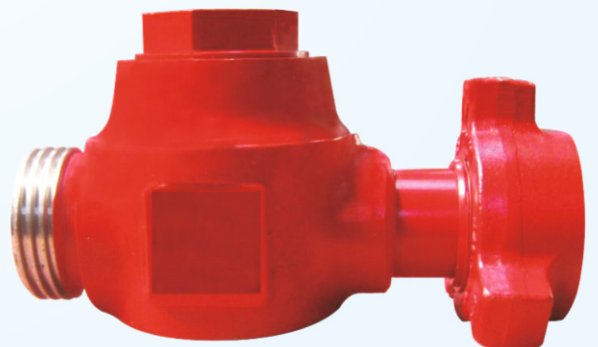
- **COMPETENT MANUFACTURERS:** Check Valves designed and manufactured primarily for use in portable and temporary flow lines & are used to isolate well servicing equipment from high pressure treating fluids during fracturing applications. Top entry design allows easy and rapid replacement of its valve seat and flapper without breaking any connection. All check valves have a unique identifying number and are supplied with full material traceability as standard.

STANDARD SPECIFICATION:

- 2" nominal bore size.
- Standard and sour gas service applications.
- Pressure for Standard Service 15,000 PSI, for sour Service 10,000 PSI.

FEATURES:

- Suitable for in-line maintenance in fixed applications.
- Forged alloy steel body and stainless steel valve seats.
- Easy maintenance and high quality construction ensures long product life and low total cost of ownership.
- Ideal for use in portable and temporary flow lines.



PIPE NIPPLES

Specification:

- **Material:-** Carbon steel Seamless steel Pipe conforms to ASTM A 106 GR. B. Stainless steel Pipe conforms to ASTM/ASME A182.
- **Dimensions:-** Seamless Steel Nipple Design / Dimensions conform to ASTM A733.
- **Threading:-** NPT Threads on Nipples conform to ASME B1.20.1.
- **Marking:-** Manufacturer's Symbol, Material Grade, heat code.
- Standard length of pipe nipples, contact competent for custom length.



BULL PLUGS AND SWAGE NIPPLES

Specification:

- **Material:-** Carbon Steel /alloy steel/Stainless steel.
- **Threading:-** Line Pipe - API 58, NPT - ASME B1.20.1 as applicable.
- **Weld Bevel:-** ASME B16.9.
- **Dimensions:-** MSS SP-95.
- **Marking:-** Manufacturer's Symbol, Material Grade, heat code
- **NACE MR:-** 01-75 - as applicable.
- **Coating:-** Zinc Electroplating/paint as applicable.

Specification:

- **Material:-** Carbon Steel /alloy steel/Stainless steel.
- **Threading:-** NPT - ASME B1.20.1 as applicable.
- **Dimensions:-** ASME B16.11.
- **Marking:-** Manufacturer's Symbol, Material Grade, heat code



COUPLING, HEX PLUGS & BUSHINGS

Specification:

- **Material:-** Carbon Steel /alloy steel/Stainless steel.
- **Threading:-** NPT - ASME B1.20.1 as applicable.
- **Dimensions:-** ASME B16.11.
- **Marking:-** Manufacturer's Symbol, Material Grade, heat code.
- **Pressure:-** 3000 PSI.





STUD & BOLTS

- **Stud Bolt:-** Used in high pressure bolting situations for pipeline, drilling, petroleum/petrochemical refining, and general industry for sealing and flange connections **all-thread, Double-end stud, tap-end stud, and stud bolts.**



- **All-thread studs (Continuous thread):-** All-thread studs bolt is a continuous threaded stud with 2 heavy hex nuts.



- **Double-end studs:-** Double end studs are equal thread lengths on both ends used for flange bolting.



- **Tap-end studs:-** Tap end studs are long thread at one end short thread on other end, short end thread called Tap-end threads, tightened in tapped holes.

- **Hex Bolts:-** bolt with Hex head used for general purpose.

- **Material Specification:-** as per API 20E latest edition.

- ◆ ASTM A193 Gr. 87, 87M
- ◆ ASTM A194 Gr. 2H, 2HM, 7, 7M,
- ◆ ASTM A320 Gr, L7, L7M

- **Dimensions & Threading:**

- ◆ ASME B1.1-UN/UNR
- ◆ ASME B18.31.2-Studs
- ◆ ASME B18.2.2- Nuts



- **Our Capability:**

- ◆ **Quality control:-** Quality control requirements compliance as per API 20E controlled material procurement, material identification, dimensional inspection, Hardness, UT, MP. Thread gauging, equipment calibration, final marking, and traceability, sampling. heat-treatment, chemical testing, physical testing.

- ◆ **Production:-** cutting, turning, drilling, threading (External, Internal), coating (Phosphating, Xylan).

- ◆ **Marking and packing:-** customer specific marking & seaworthy wooden box packing to ensure threads safety.

- **QMS:- ISO 9001:2015**

- ◆ Inspection report using calibrated equipment's.
- ◆ Work test certificate as per EN10204-3.1.
- ◆ All test results provided on certificates from NABL accredited labs.





AN ISO 9001-2015 COMPANY

COMPETENT FORGING
LIMITED

CERTIFICATES



CROWN AND PINION



SPINDLE



CLAMP



D SHACLE



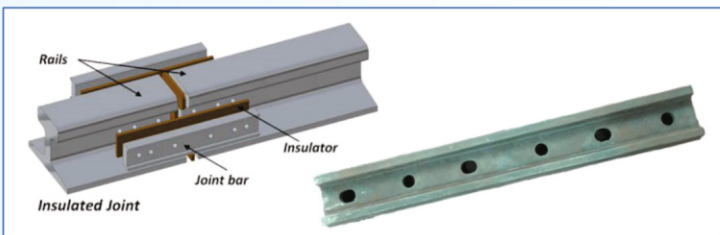
HOOKS



HYDRAULIC CYLINDER



FISH PLATE FOR RAIL LINES



PRODUCT GRADES AND SPECIFICATIONS

STAINLESS STEEL GRADES

ASTM : 304/304L, 316/316Ti, 321, 304H, 316H, 317L, 347, 347H, 904L, 410, 420, 430F, 431, 17-4 and more
EN : 1.4307, 1.4404, 1.4571, 1.4541, 1.4104, 1.4057, 1.4542

DUPLEX & SPECIAL | NICKEL ALLOYS

DUPLEX : F51, F60 (2205), 1.4462, F53 (2507), 1.4410, F55, F44
NICKEL ALLOY : 600, 625, 718, 800 H/HT, 825, ALLOY 20, ALLOY22, ALLOY 400, ALLOY C276

TITANIUM | ALUMINIUM ALLOYS

Ti Alloy : Ti-6AL-4V, Ti-6AL-1.5 Mo-1.5V | AL: Aa2014, Aa2219, Ti-6AL-6V-2Sn

CARBON STEEL

A105, SA266, LF2, LF3, EN8, EN9 And More

ALLOY STEEL & MICROALLOY

EN19, EN23, EN26, 4130, 4340, 4140, 8620, 8630, F1, F5, F9, F11, F22, F91, F6NMM 42CrMo4, 16Mo3, 23CrMo4, 30CrNiMo8, 10725 AB/BU, 1070MBU, 10725BA, C70S6, 20MnCr5, 38MnVS6

SPECIFICATIONS

As per ASTM, EN, DIN, GOST, JIS, BS, ASME, NACE, QQS, AFNOR and More.



Oil and Gas



Cement / Hydro Power Plants



Defence



Railways



Construction Equipment



Auto & Tractor Component



COMPETENT FORGING LIMITED

**HAMMERING TO SHAPE THE FUTURE
NOT JUST FORGING**



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