

PUP JOINT

Straight Pipe Assy

Working Pressure: 14-140MPa (2000 Psi-20000 Psi)

Normal Bore: 1"-6"

Temperature Class: -29°C -121°C (Class PU)



Straight pipe is a pipeline with thread, flange or union connectors on both end, and widely used for petroleum drilling and production, cementing & fracturing and testing operations.

The straight pipes with size ranging from 1" to 6" and rated working pressure range of 14-140 MPa (2000 psi-20000 psi) are available. We can provide various straight pipes working in normal temperature, low temperature and H2S environment.

Size	Working Pressure MPa / Psi	Length (mm)	Connection	Environment
2", 3", 4"	42 / 6000	500-5000	FIG602 (MxF, MxM, FxF)	Standard / H2S
2", 3", 4"	70 / 10000	500-5000	FIG1002 (MxF, MxM, FxF)	Standard / H2S
2", 3", 4"	105 / 15000	300-5000	FIG1502 (MxF, MxM, FxF)	Standard / H2S
2", 3", 4"	140 / 20000	300-5000	FIG1502 (MxF, MxM, FxF)	Standard / H2S

Plug Valve

Plug Valve

1", 2" and 3" plug valves with rated working pressure of 42MPa, 70MPa, 105MPa, 140MPa (6000Psi, 10000Psi, 15000Psi, 20000Psi) are available. The end connection can be of union, LP, TBG thread. All the plug valves are made as standard API 6A and NACE MR 0175, and can be connected with other similar products in the world. Various models of plug valves are relevant repair kits for normal temperature, low temperature and sour gas conditions are available.



Size	Working Pressure	Connection	Actuator	Environment
1"	70MPa/10000Psi	2" FIG1502 (FxM)	Manual	Standard / H2S
1"	105MPa/15000Psi	2" FIG1502 (FxM)	Manual	Standard / H2S
2"	42MPa/6000Psi	FIG602 (FxM)	Manual	Standard / H2S
2"	70MPa/10000Psi	FIG1002 (FxM)	Manual	Standard / H2S
2"	105MPa/15000Psi	FIG1502 (FxM)	Manual	Standard / H2S
2"	105MPa/15000Psi	3" 1502 (FxM)	Manual	Standard / H2S
2"	105MPa/15000Psi	1502 (FxM)	Pneumatic	Standard
2"	105MPa/15000Psi	1502 (FxM)	Hydraulic	Standard
2"	140MPa/20000Psi	FIG2002(FxM)	Manual	Standard
3"	42MPa/6000Psi	FIG602 (FxM)	Manual	Standard
3"	70MPa/10000Psi	FIG1002 (FxM)	Manual	Standard / H2S
3"	105MPa/15000Psi	FIG1502 (FxM)	Worm Gear	Standard / H2S
3"	105MPa/15000Psi	FIG1502	Hydraulic	Standard
3"	105MPa/15000Psi	FIG1502	Manual	Standard / H2S
3"	140MPa/20000Psi	FIG2002(FxM)	Worm Gear	Standard
3"	140MPa/20000Psi	FIG2002(FxM)	Hydraulic	Standard
3"	140MPa/20000Psi	FIG2002(FxM)	Manual	Standard / H2S
1"	42MPa/6000Psi	2" LP External Thread	Manual	Standard
1"	105MPa/15000Psi	2" LP External Thread	Manual	Standard
1"	105MPa/15000Psi	2" TBG External Thread	Manual	Standard
2"	42MPa/6000Psi	2" LP Inner Thread	Manual	Standard
2"	70MPa/10000Psi	2" LP Inner Thread	Manual	Standard
2"	70MPa/10000Psi	2" TBG Inner Thread	Manual	Standard
3"	70MPa/10000Psi	3" LP Inner Thread	Manual	Standard

SWIVEL JOINT

Working Pressure: 25 MPa-140 MPa (3626 psi-20000 psi)

Normal Bore: 1"-4"



Swivel joint is a metal pipe adapter installed with the roller bearing. The swivel joints with size ranging from 1" to 4" and rated working pressure range of 25-140 MPa (3626 psi-20000 psi) are available. Various models of swivel joints are relevant repair kits for normal temperature, low temperature and sour gas (H₂S) conditions can be provided.

We can provide long radius and short radius swivel joints. The long swivel joints can minimize fluid resistance and have better performance in corrosion resistance than the short radius ones due to their smooth bore, but the short radius swivel joints are needed where the installation space is limited or pressure is low.



SWIVEL JOINT

Long Radius Swivel Joint

Working Pressure: 42 MPa-140 MPa (6000 psi-20000 psi)

Normal Bore: 2"-4"

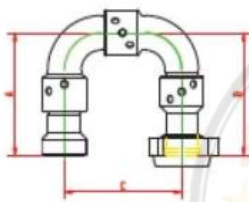
Temperature Class: -29°C -121°C (Class PU)

Application Environment: Standard or H2S

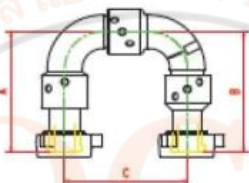
Manufacturing standard: API 16C & NACE MR0175



Style 10 Long Radius

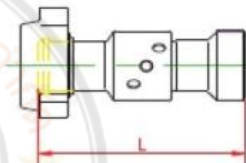


Style 10 F-M



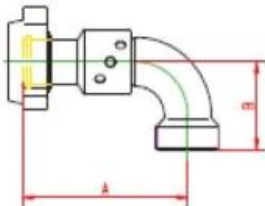
Style 10 M-M

Style 20 Long Radius



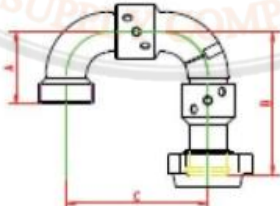
Style 20 F-M

Style 30 Long Radius



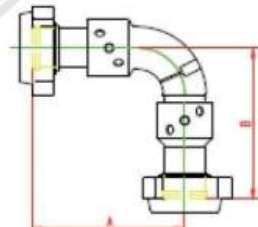
Style30 F-M

Style 50 Long Radius



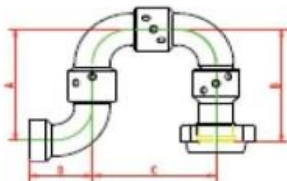
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Style 60 Long Radius



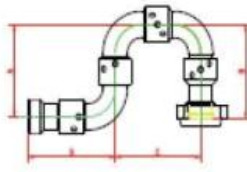
Style 60 M-M

Style 80 Long Radius



Style 80 F-M

Style 100 Long Radius



Style 100 F-M

SWIVEL JOINT

Swivel Joints Long Radius

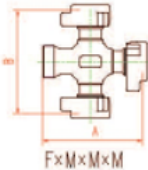
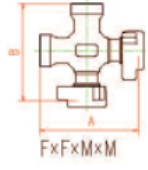
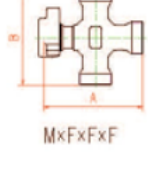
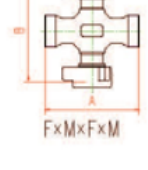
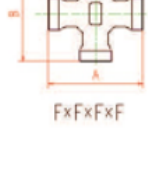
Style	Size	Working Pressure	Connection	Environment
Style 10				
	2"	42MPa/6000Psi	FIG602 (FxM)	Standard
	3"	42MPa/6000Psi	FIG602 (FxM)	Standard
	3"	42MPa/6000Psi	FIG602 (MxM)	Standard
	4"	42MPa/6000Psi	FIG602 (FxM)	Standard
	2"	70MPa/10000Psi	FIG1002 (FxM))	Standard
	3"	70MPa/10000Psi	FIG1002 (FxM)	Standard
	4"	70MPa/10000Psi	FIG1002 (FxM))	Standard
	2"	105MPa/15000Psi	FIG1502 (FxM)	Standard
	2"	105MPa/15000Psi	FIG1502 (MxM)	Standard
	3"	105MPa/15000Psi	FIG1502 (FxM)	Standard
	3"	105MPa/15000Psi	FIG1502 (MxM)	Standard
	3"	140MPa/20000Psi	FIG2002 (FxM)	Standard
	2"	42MPa/6000Psi	FIG602 (FxM)	H2S
	3"	42MPa/6000Psi	FIG602 (FxM)	H2S
	2"	70MPa/10000Psi	FIG1002 (FxM)	H2S
	3"	70MPa/10000Psi	FIG1002 (FxM))	H2S
	3"	140MPa/20000Psi	FIG2002(FxM)	H2S
Style 50				
	2"	42MPa/6000Psi	FIG602 (FxM)	Standard
	3"	42MPa/6000Psi	FIG602 (MxM)	Standard
	2"	70MPa/10000Psi	FIG1002 (FxM))	Standard
	3"	70MPa/10000Psi	FIG1002 (FxM)	Standard
	4"	70MPa/10000Psi	FIG1002 (FxM))	Standard
	2"	105MPa/15000Psi	FIG1502 (FxM)	Standard
	3"	105MPa/15000Psi	FIG1502 (FxM)	Standard
	3"	140MPa/20000Psi	FIG2002 (FxM)	Standard
	2"	42MPa/6000Psi	FIG602 (FxM)	H2S
	3"	42MPa/6000Psi	FIG602 (FxM)	H2S
	2"	70MPa/10000Psi	FIG1002 (FxM)	H2S
	3"	70MPa/10000Psi	FIG1002 (FxM))	H2S

INTEGRAL CONNECTOR

Integral Connector

Various models of integral connectors for normal temperature and sour gas (H₂S) condition can be provided. The integral connectors for sour gas (H₂S) environments are made to NACR MR0175. Some reinforce have been done in the area where flow changes its direction and erosion happens to prolong the operation life. 90° Ells, 90° Elbow, Tees, Ys, Laterals, Crosses, Fishtail Connectors, etc.

Cross

 F×M×M×M	Size	Working Pressure	Overall Dimension (mm)		Connection	Service
 F×F×M×M	2"	6000Psi	308	308	FIG602 F×M×M×M	Standard
	3"	6000Psi	428	428	F×F×M×M F×M×F×M	
	4"	6000Psi	428	428	M×M×M×M F×F×F×F	
 M×F×F×F	2"	10000Psi	308	308	FIG1002 F×M×M×M	Standard
	3"	10000Psi	428	428	F×F×M×M F×M×F×M	
	4"	10000Psi	428	428	M×M×M×M F×F×F×F	
 F×M×F×M	2"	15000Psi	308	308	FIG 1502 F×M×M×M F×F×M×M F×M×F×M M×M×M×M F×F×F×F	Standard
	3"	15000Psi	428	428		
	4"	15000Psi	428	428		
 M×M×M×M	2"	20000Psi	346	346	FIG2002 F×M×M×M F×F×M×M F×M×F×M M×M×M×M F×F×F×F	Standard
	3"	20000Psi	533	533		
 F×F×F×F						

INTEGRAL CONNECTOR

Integral Connector

Various models of integral connectors for normal temperature and sour gas (H2S) condition can be provided. The integral connectors for sour gas (H2S) environments are made to NACR MR0175. Some reinforce have been done in the area where flow changes its direction and erosion happens to prolong the operation life. 90° Ells, 90° Elbow, Tees, Ys, Laterals, Crosses, Fishtail Connectors, etc.



Tees

Size	Working Pressure	Overall Dimension (mm)		Connection	Service
2"	6000Psi	308	154	FIG602 MxFxF, MxFxM, FxMxF	Standard & H2S
3"	6000Psi	428	214		Standard & H2S
4"	6000Psi	428	214		Standard & H2S
2"	10000Psi	308	154	FIG1002 MxFxF, MxFxM, FxMxF	Standard & H2S
3"	10000Psi	428	214		Standard & H2S
4"	10000Psi	428	214		Standard & H2S
2"	15000Psi	308	154	FIG1502 MxFxF, MxFxM, FxMxF	Standard & H2S
3"	15000Psi	428	214		Standard & H2S
4"	15000Psi	428	214		Standard & H2S
2"	20000Psi	346	185	FIG2202 MxFxF, MxFxM, FxMxF	Standard & H2S
3"	20000Psi	533	266.5		Standard & H2S

CROSSOVER ADAPTER

Crossover Adapter

Type: Flange Adaptors, Crossover Wing x Wing Union, Crossover Thread x Thread

Normal Bore: 1"- 6"

Working Pressure: 7MPa-140Mpa (1000Psi-20000Psi)

Standard Length: 200mm

Flange Size: 1-13/16", 2-1/16", 2-9/16", 3-1/16", 3-1/8", 4-1/16", 5-1/8" , 6" or customized

Union Size: 2" , 3" , 4" , 5" , 6"

Union Connection: FIG206, FIG400, FIG602, FIG1002, FIG1502, FIG2202



Size	End Connection	Working Pressure	Environment
2" , 3" , 4" 5" , 6"	Hammer Union FIG206	2000Psi	Standard & H2S
	Hammer Union FIG400	4000Psi	Standard & H2S
	Hammer Union FIG602	6000Psi	Standard & H2S
	Hammer Union FIG1002	10000Psi	Standard & H2S
	Hammer Union FIG1502	15000Psi	Standard & H2S
	Hammer Union FIG2202	20000Psi	Standard & H2S
2"	LP B, LP P	10000Psi	Standard
2-3/8"	TBG B, TBGP, UPTBGB, UPTBG P	5000Psi	Standard
2-7/8"	TBG B, TBGP, UPTBGB, UPTBG P	5000Psi	Standard
3"	LP B, LP P	10000Psi	Standard
3-1/2"	TBG B, TBGP, UPTBGB, UPTBG P	5000Psi	Standard
2-1/16"	API Flange	5000Psi-15000Psi	Standard
2-9/16"	API Flange	5000Psi-15000Psi	Standard
3-1/8"	API Flange	5000Psi-15000Psi	Standard
3-1/16"	API Flange	5000Psi-15000Psi	Standard
4"	LP B, LP P	10000Psi	Standard
4-1/16"	API Flange	5000Psi-15000Psi	Standard
5-1/8"	API Flange	5000Psi-15000Psi	Standard