

High-Pressure Cross Fitting

This high-pressure cross fitting features a 316 stainless steel structure. It is capable of handling work pressures up to 60000psi and is also available for sour gas service.



ADDITIONAL IMAGES



Product Overview

High-Performance Fluid Control

This high-pressure cross fitting is engineered for demanding industrial environments such as chemical processing and hydraulic systems. Constructed from 316 stainless steel, it provides exceptional durability and leak-free performance under extreme pressures. The fitting is also available in specialized alloys and is suitable for sour gas service, ensuring reliability in harsh operating conditions.

Technical Capabilities

Performance Metrics

60000 psig

Maximum Working Pressure

Service Compatibility

Sour Gas Service • High Pressure • Corrosive Media

Material Specifications

Standard Material	316 Stainless Steel
Special Materials Available	Inconel 718, Inconel 625, Inconel 825

Dimensional Data

Medium Pressure Fittings, Up to 20000 psig

								mm(in.)	
Ordering Code	Types	Size	Ports	E	F	G	H	Thickness	
20L-MF4	Elbow	1/4"	MF 4	30.15(1.19)	25.40(1.00)	22.23(0.88)	17.50(0.69)	15.88(0.63)	
20L-MF6	Elbow	3/8"	MF 6	34.93(1.38)	34.93(1.38)	25.40(1.00)	25.40(1.00)	19.05(0.75)	
20L-MF9	Elbow	9/16"	MF 9	44.45(1.75)	44.45(1.75)	31.75(1.25)	31.80(1.25)	25.40(1.00)	
20L-MF12	Elbow	3/4"	MF 12	57.15(2.25)	57.15(2.25)	38.10(1.50)	38.10(1.50)	34.93(1.38)	
20L-MF16	Elbow	1"	MF 16	76.20(3.00)	76.20(3.00)	52.32(2.06)	52.30(2.06)	44.45(1.75)	
20F-MF4	Tee	1/4"	MF 4	44.45(1.75)	25.40(1.00)	22.23(0.88)	17.50(0.69)	15.88(0.63)	
20F-MF6	Tee	3/8"	MF 6	50.80(2.00)	34.93(1.38)	25.40(1.00)	25.40(1.00)	19.05(0.75)	
20F-MF9	Tee	9/16"	MF 9	63.50(2.50)	44.45(1.75)	31.75(1.25)	31.80(1.25)	25.40(1.00)	
20F-MF12	Tee	3/4"	MF 12	76.20(3.00)	57.15(2.25)	38.10(1.50)	38.10(1.50)	34.93(1.38)	
20F-MF16	Tee	1"	MF 16	104.80(4.13)	76.20(3.00)	52.32(2.06)	52.30(2.06)	44.45(1.75)	
20F-MF4	Cross	1/4"	MF 4	44.45(1.75)	34.93(1.38)	22.23(0.88)	17.50(0.69)	15.88(0.63)	
20F-MF6	Cross	3/8"	MF 6	50.80(2.00)	50.80(2.00)	25.40(1.00)	25.40(1.00)	19.05(0.75)	
20F-MF9	Cross	9/16"	MF 9	63.50(2.50)	63.50(2.50)	31.75(1.25)	31.80(1.25)	25.40(1.00)	
20F-MF12	Cross	3/4"	MF 12	76.20(3.00)	76.20(3.00)	38.10(1.50)	38.10(1.50)	34.93(1.38)	
20F-MF16	Cross	1"	MF 16	104.80(4.13)	104.80(4.13)	52.32(2.06)	52.30(2.06)	44.45(1.75)	

Detailed dimensions and ordering codes for medium pressure cross, elbow, and tee fittings up to 20,000 psig.

High Pressure Fitting, Up to 60000 psig

								mm(in.)	
Ordering Code	Types	Size	Ports	E	F	G	H	Thickness	
60L-HF4	Elbow	1/4"	HF 4	34.93(1.38)	38.10(1.50)	22.23(0.88)	25.40(1.00)	25.40(1.00)	
60L-HF6	Elbow	3/8"	HF 6	44.45(1.75)	38.10(1.50)	31.75(1.25)	25.40(1.00)	25.40(1.00)	
60L-HF9	Elbow	9/16"	HF 9	66.80(2.63)	47.75(1.88)	47.63(1.88)	28.60(1.13)	38.10(1.50)	
60T-HF4	Tee	1/4"	HF 4	50.80(2.00)	34.93(1.38)	25.40(1.00)	22.20(0.88)	25.40(1.00)	
60T-HF6	Tee	3/8"	HF 6	50.80(2.00)	39.67(1.56)	25.40(1.00)	28.60(1.13)	25.40(1.00)	
60T-HF9	Tee	9/16"	HF 9	66.80(2.63)	53.98(2.13)	33.32(1.31)	34.90(1.38)	38.10(1.50)	
60F-HF4	Cross	1/4"	HF 4	50.80(2.00)	38.10(1.50)	25.40(1.00)	19.10(0.75)	25.40(1.00)	
60F-HF6	Cross	3/8"	HF 6	54.10(2.13)	50.80(2.00)	26.92(1.06)	25.40(1.00)	25.40(1.00)	
60F-HF9	Cross	9/16"	HF 9	69.85(2.75)	66.68(2.63)	34.93(1.38)	33.20(1.31)	38.10(1.50)	

Technical specifications and dimensional data for high pressure fittings rated up to 60,000 psig.

High Pressure Cross (60,000 psig) Specifications

Ordering Code	Size	Port Type	E (mm)	F (mm)	Thickness (mm)
60F-HF4	1/4"	HF 4	50.8	38.1	25.4
60F-HF6	3/8"	HF 6	54.1	50.8	25.4
60F-HF9	9/16"	HF 9	69.85	66.68	38.1

Medium Pressure Cross (20,000 psig) Specifications

Ordering Code	Size	Port Type	E (mm)	Thickness (mm)
20F-MF4	1/4"	MF 4	44.45	15.88
20F-MF6	3/8"	MF 6	50.8	19.05
20F-MF9	9/16"	MF 9	63.5	25.4
20F-MF12	3/4"	MF 12	76.2	34.93
20F-MF16	1"	MF 16	104.8	44.45

Applications

Recommended Applications

- Hydraulic Systems
- Chemical Processing
- Oil and Gas Fluid Handling
- High-Pressure Research Labs