



## High Pressure Equipment

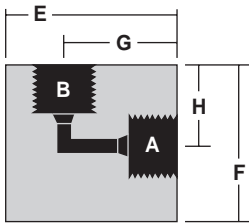
### Glands/Sleeves/Plugs/Elbows/Tees/Crosses

A complete range of elbows, tees, and crosses is available for all of the tubing connection sizes. Material is high tensile 316 stainless steel. Standard tubing glands and collars are provided unless otherwise specified.

#### Connection Components

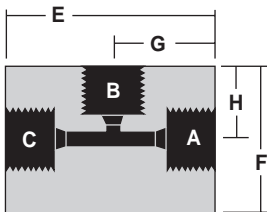
Catalog No.	Tube Size	Gland	Catalog No.	Tube Size	Collar	Catalog No.	Tube Size	Plug
60-2HM2	1/8"		60-2H2	1/8"		60-7HM2	1/8"	
60-2HM4	1/4"		60-2H4	1/4"		60-7HM4	1/4"	
60-2HM6	3/8"		60-2H6	3/8"		60-7HM6	3/8"	
60-2HM9	9/16"		60-2H9	9/16"		60-7HM9	9/16"	
40-2HM9	9/16"		40-2H9	9/16"		40-7HM9	9/16"	
30-2HM16	1"		30-2H16	1"		30-7HM16	1"	

#### High Pressure Elbows



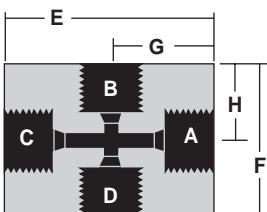
Catalog No.	Pressure Rating psi	Connections	A-B	E	F	G	H	Thickness
60-22HF2	60,000	1/8" O.D. TUBE	HF2	1 1/8"	1 1/8"	3/4"	3/4"	3/4"
60-22HF4	60,000	1/4" O.D. TUBE	HF4	1 3/8"	1 1/2"	7/8"	1"	1"
60-22HF6	60,000	3/8" O.D. TUBE	HF6	1 3/4"	1 1/2"	1 1/4"	1"	1"
60-22HF9	60,000	9/16" O.D. TUBE	HF9	2 5/8"	1 7/8"	1 7/8"	1 1/8"	1 1/2"
40-22HF9	40,000	9/16" O.D. TUBE	HF9	2 5/8"	1 7/8"	1 7/8"	1 1/8"	1 1/2"
30-22HF16	30,000	1" O.D. TUBE	HF16	3"	3"	2 1/16"	2 1/16"	1 3/4"

#### High Pressure Tees



Catalog No.	Pressure Rating psi	Connections	A-B-C	E	F	G	H	Thickness
60-23HF2	60,000	1/8" O.D. TUBE	HF2	1 1/2"	1 1/8"	3/4"	3/4"	3/4"
60-23HF4	60,000	1/4" O.D. TUBE	HF4	2"	1 3/8"	1"	7/8"	1"
60-23HF6	60,000	3/8" O.D. TUBE	HF6	2"	1 9/16"	1"	1 1/16"	1"
60-23HF9	60,000	9/16" O.D. TUBE	HF9	2 5/8"	2 1/8"	1 5/16"	1 3/8"	1 1/2"
40-23HF9	40,000	9/16" O.D. TUBE	HF9	2 5/8"	2 1/8"	1 5/16"	1 3/8"	1 1/2"
30-23HF16	30,000	1" O.D. TUBE	HF16	4 1/8"	3"	2 1/16"	2 1/16"	1 3/4"

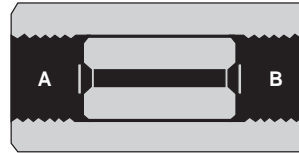
#### High Pressure Crosses



Catalog No.	Pressure Rating psi	Connections	A-B-C-D	E	F	G	H	Thickness
60-24HF2	60,000	1/8" O.D. TUBE	HF2	1 1/2"	1 1/2"	3/4"	3/4"	3/4"
60-24HF4	60,000	1/4" O.D. TUBE	HF4	2"	1 1/2"	1"	3/4"	1"
60-24HF6	60,000	3/8" O.D. TUBE	HF6	2 1/8"	2"	1 1/16"	1"	1"
60-24HF9	60,000	9/16" O.D. TUBE	HF9	2 3/4"	2 5/8"	1 3/8"	1 5/16"	1 1/2"
40-24HF9	40,000	9/16" O.D. TUBE	HF9	2 3/4"	2 5/8"	1 3/8"	1 5/16"	1 1/2"
30-24HF16	30,000	1" O.D. TUBE	HF16	4 1/8"	4 1/8"	2 1/16"	2 1/16"	1 3/4"

## Union Couplings (Slip Type)

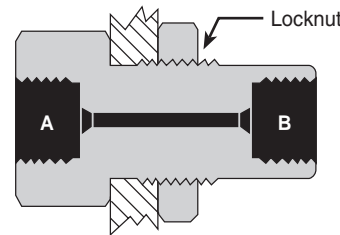
Union (slip Type) couplings are ideal for use in confined space installations. This design allows the entire coupling to be disconnected and slipped back over the tubing to facilitate assembly and disassembly. In installations where tubing is easily assembled, it is preferable (and less expensive) to use standard straight couplings (see accessories section). Standard material is high tensile 316 stainless steel. Standard tubing collars and glands are provided unless otherwise specified.



Catalog No.	Pressure Rating psi	Connections	A	B	Length	Hex Size
60-21HF2-U	60,000	1/8" O.D. TUBING	HF2	HF2	1 1/8"	3/4"
60-21HF4-U	60,000	1/4" O.D. TUBING	HF4	HF4	1 3/4"	1"
60-21HF6-U	60,000	3/8" O.D. TUBING	HF6	HF6	2"	1"
60-21HF9-U	60,000	9/16" O.D. TUBING	HF9	HF9	2 3/8"	1 3/8"
40-21HF9-U	40,000	9/16" O.D. TUBING	HF9	HF9	2 3/8"	1 3/8"
30-21HF16-U	30,000	1" O.D. TUBING	HF16	3 1/2"	1 3/4"	

## Bulkhead Couplings

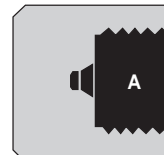
Bulkhead couplings are designed specifically for passing a tubing connection through a panel or steel barricade. These couplings include a locknut as shown. Material is high tensile 316 stainless steel. Standard tubing collars and glands are included unless otherwise specified.



Catalog No.	Pressure Rating psi	Connections	Panel Hole	A	B	Length	Hex Size	Outside Thread
60-21HF2-B	60,000	1/8" O.D. TUBING	15/16"	HF2	HF2	1 13/16"	1"	7/8" - 14
60-21HF4-B	60,000	1/4" O.D. TUBING	15/16"	HF4	HF4	2"	1"	7/8" - 14
60-21HF6-B	60,000	3/8" O.D. TUBING	1 1/8"	HF6	HF6	2 3/8"	1 3/8"	1 1/16" - 12
60-21HF9-B	60,000	9/16" O.D. TUBING	1 11/16"	HF9	HF9	2 3/4"	1 7/8"	1 5/8" - 12
40-21HF9-B	40,000	9/16" O.D. TUBING	1 11/16"	HF9	HF9	2 3/4"	1 7/8"	1 5/8" - 12
30-21HF16-B	30,000	1" O.D. TUBING	1 15/16"	HF16	HF16	3 1/2"	1 7/8"	2 1/8" - 12

## Caps

Tubing end caps are offered for use in sealing off tubing ends either for temporary use or permanent use such as on small volume reservoirs. Standard material is high tensile 316 stainless steel. Standard tubing collars and glands are provided unless otherwise specified.



Catalog No.	Pressure Rating psi	Connections	A	Length	Hex Size
60-21HF2-C	60,000	1/8" O.D. TUBING	HF2	7/8"	3/4"
60-21HF4-C	60,000	1/4" O.D. TUBING	HF4	7/8"	3/4"
60-21HF6-C	60,000	3/8" O.D. TUBING	HF6	1 1/4"	1"
60-21HF9-C	60,000	9/16" O.D. TUBING	HF9	1 1/2"	1 3/8"
40-21HF9-C	40,000	9/16" O.D. TUBING	HF9	1 1/2"	1 3/8"
30-21HF16-C	30,000	1" O.D. TUBING	HF16	3"	1 3/4"