MP / HP connection fittings

MP/HP connection fittings allow both rigid piping systems to be built and flexible lines (hoses) to be connected ultra-high-pressure. All components are rated for two pressure ranges: 1380 bar (MP) and 4140 bar (HP).
Made of AISI 316 steel, they are intended for use with liquid and gaseous media. MP/HP connection with a 58° cone on a left-hand-threaded tube.

drawing	index	connection size	thread female	used together with	working working
Collar  MP  HP	SS-UHP-CLR-04-MP	MP 1/4”	1/4”-28 UNF LH	SS-UHP-GN-04-MP	MP 20000 psi 1380 bar
	SS-UHP-CLR-06-MP	MP 3/8”	3/8”-24 UNF LH	SS-UHP-GN-06-MP	
	SS-UHP-CLR-09-MP	MP 9/16”	9/16”-18 UNF LH	SS-UHP-GN-09-MP	
	SS-UHP-CLR-12-MP	MP 3/4”	3/4”-16 UNF LH	SS-UHP-GN-12-MP	
	SS-UHP-CLR-16-MP	MP 1”	1”-14 UNF LH	SS-UHP-GN-16-MP	
	SS-UHP-CLR-04-HP	HP 1/4”	1/4”-28 UNF LH	SS-UHP-GN-04-HP / SS-UHP-GN-M16	HP 60000 psi 4140 bar
	SS-UHP-CLR-06-HP	HP 3/8”	3/8”-24 UNF LH	SS-UHP-GN-06-HP / SS-UHP-GN-M20	
	SS-UHP-CLR-09-HP	HP 9/16”	9/16”-18 UNF LH	SS-UHP-GN-09-HP / SS-UHP-GN-M26 / SS-UHP-GN-M30	
	SS-UHP-CLR-M14	HP M14	M14x1,5 LH	SS-UHP-GN-M30 / SS-UHP-GN-M26	
	SS-UHP-CLR-M18	HP M18	M18x1,5 LH	SS-UHP-GN-M30-M18	

drawing	index	connection size	nut male thread	used together with	working working
Nut  MP  HP	SS-UHP-GN-04-MP	MP 1/4”	7/16”-20 UNF	SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-GN-06-MP	MP 3/8”	9/16”-18 UNF	SS-UHP-CLR-06-MP	
	SS-UHP-GN-09-MP	MP 9/16”	13/16”-16 UNF	SS-UHP-CLR-09-MP	
	SS-UHP-GN-12-MP	MP 3/4”	3/4”-14 NPSM	SS-UHP-CLR-12-MP	
	SS-UHP-GN-16-MP	MP 1”	1.3/8”-12 UNF	SS-UHP-CLR-16-MP	
	SS-UHP-GN-04-HP	HP 1/4”	9/16”-18 UNF	SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-GN-06-HP	HP 3/8”	3/4”-16 UNF	SS-UHP-CLR-06-HP	
	SS-UHP-GN-09-HP	HP 9/16”	1.1/8”-12 UNF	SS-UHP-CLR-09-HP	
	SS-UHP-GN-M16	HP 1/4”	M16x1,5	SS-UHP-CLR-04-HP	
	SS-UHP-GN-M20	HP 3/8”	M20x1,5	SS-UHP-CLR-06-HP	
	SS-UHP-GN-M26	HP 9/16”	M26x1,5	SS-UHP-CLR-09-HP / SS-UHP-CLR-M14	
	SS-UHP-GN-M30	HP M14	M30x2	SS-UHP-CLR-09-HP / SS-UHP-CLR-M14	
	SS-UHP-GN-M30-M18	HP M18	M30x2	SS-UHP-CLR-M18	

drawing	index	connection size	nut male thread	notes	working working
Anti-vibration nut  MP HP	SS-UHP-GN-04-MP-AV	MP 1/4”	7/16”-20 UNF	a set incorporating a collar with a female thread for the tube	MP 20000 psi 1380 bar
	SS-UHP-GN-06-MP-AV	MP 3/8”	9/16”-18 UNF		
	SS-UHP-GN-09-MP-AV	MP 9/16”	13/16”-16 UNF		
	SS-UHP-GN-12-MP-AV	MP 3/4”	3/4”-14 NPSM		
	SS-UHP-GN-16-MP-AV	MP 1”	1.3/8”-12 UNF		
	SS-UHP-GN-04-HP-AV	HP 1/4”	9/16”-18 UNF	a set incorporating a collar with a female thread for the tube	HP 60000 psi 4140 bar
	SS-UHP-GN-06-HP-AV	HP 3/8”	3/4”-16 UNF		
	SS-UHP-GN-09-HP-AV	HP 9/16”	1.1/8”-12 UNF		

drawing	index	connection size	used together with	working working
Cap  MP HP	SS-UHP-HMM-04-PLUG	MP 1/4”	SS-UHP-GN-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HMM-06-PLUG	MP 3/8”	SS-UHP-GN-06-MP	
	SS-UHP-HMM-09-PLUG	MP 9/16”	SS-UHP-GN-09-MP	
	SS-UHP-HMM-12-PLUG	MP 3/4”	SS-UHP-GN-12-MP	
	SS-UHP-HMM-16-PLUG	MP 1”	SS-UHP-GN-16-MP	
	SS-UHP-HHM-04-PLUG	HP 1/4”	SS-UHP-GN-04-HP / SS-UHP-GN-M16	HP 60000 psi 4140 bar
	SS-UHP-HHM-06-PLUG	HP 3/8”	SS-UHP-GN-06-HP / SS-UHP-GN-M20	
	SS-UHP-HHM-09-PLUG	HP 9/16”	SS-UHP-GN-09-HP / SS-UHP-GN-M26 / SS-UHP-GN-M30	

MP / HP connection fittings

drawing	index	connection size	plug female thread	used together with (nut / collar)	working working
Plug 	SS-UHP-HMF-04-CAP	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HMF-06-CAP	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HMF-09-CAP	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HMF-12-CAP	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HMF-16-CAP	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HHF-04-CAP	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HHF-06-CAP	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HHF-09-CAP	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	

drawing	index	connection size	body female thread (x2)	contains (nut / collar – 2 pcs each)	working working
90 elbow° 	SS-UHP-HE-MF-04	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HE-MF-06	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HE-MF-09	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HE-MF-12	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HE-MF-16	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HE-HF-04	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HE-HF-06	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HE-HF-09	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	

Elbows with bolt mounting holes available on request.

drawing	index	connection size	body female thread (x3)	contains (nut / collar – 3 pcs each)	working working
Tee 	SS-UHP-HT-MF-04	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HT-MF-06	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HT-MF-09	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HT-MF-12	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HT-MF-16	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HT-HF-04	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HT-HF-06	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HT-HF-09	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	

Tees with bolt mounting holes available on request.

drawing	index	connection size	body female thread (x4)	contains (nut / collar – 4 pcs each)	working working
Cross 	SS-UHP-HCR-MF-04	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HCR-MF-06	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HCR-MF-09	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HCR-MF-12	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HCR-MF-16	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HCR-HF-04	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HCR-HF-06	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HCR-HF-09	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	

Crosses with bolt mounting holes available on request.

drawing	index	connection size	body female thread (x2)	contains (nut / collar – 2 pcs each)	working working
Straight bulkhead connector 	SS-UHP-HC-MF-04-BH	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HC-MF-06-BH	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HC-MF-09-BH	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HC-MF-12-BH	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HC-MF-16-BH	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HC-HF-04-BH	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HC-HF-06-BH	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HC-HF-09-BH	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	

MP / HP connection fittings

drawing	index	connection size	body female thread (x2)	contains (nut / collar – 2 pcs each)	working working
Straight connector 	SS-UHP-HC-MF-04	MP 1/4”	7/16”-20 UNF	SS-UHP-GN-04-MP / SS-UHP-CLR-04-MP	MP 20000 psi 1380 bar
	SS-UHP-HC-MF-06	MP 3/8”	9/16”-18 UNF	SS-UHP-GN-06-MP / SS-UHP-CLR-06-MP	
	SS-UHP-HC-MF-09	MP 9/16”	13/16”-16 UNF	SS-UHP-GN-09-MP / SS-UHP-CLR-09-MP	
	SS-UHP-HC-MF-12	MP 3/4”	3/4”-14 NPSM	SS-UHP-GN-12-MP / SS-UHP-CLR-12-MP	
	SS-UHP-HC-MF-16	MP 1”	1.3/8”-12 UNF	SS-UHP-GN-16-MP / SS-UHP-CLR-16-MP	
	SS-UHP-HC-HF4	HP 1/4”	9/16”-18 UNF	SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HC-HF6	HP 3/8”	3/4”-16 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	
	SS-UHP-HC-HF9	HP 9/16”	1.1/8”-12 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP	
	SS-UHP-HC-MEF16-CLR-04	HP 1/4"	M16x1,5	SS-UHP-GN-M16 / SS-UHP-CLR-04-HP	
	SS-UHP-HC-MEF20-CLR-06	HP 3/8"	M20x1,5	SS-UHP-GN-M20 / SS-UHP-CLR-06-HP	
	SS-UHP-HC-MEF26-CLR-09	HP 9/16"	M26x1,5	SS-UHP-GN-M26 / SS-UHP-CLR-09-HP	
	SS-UHP-HC-MEF26-CLR-M14	HP M14	M26x1,5	SS-UHP-GN-M26 / SS-UHP-CLR-M14	
	SS-UHP-HC-MEF30-CLR-09	HP 9/16"	M30x2	SS-UHP-GN-M30 / SS-UHP-CLR-09-HP	
	SS-UHP-HC-MEF30-CLR-M14	HP M14	M30x2	SS-UHP-GN-M30 / SS-UHP-CLR-M14	
	SS-UHP-HC-MEF30-CLR-M18	HP M18	M30x2	SS-UHP-GN-M30-M18 / SS-UHP-CLR-M18	

drawing	index	connection size	body female threads	contains (nut / collar)	working working
Straight reducing connector 	SS-UHP-HC-HF6-HF4	HP 3/8" / HP 1/4"	3/4”-16 UNF / 9/16”-18 UNF	SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	HP 60000 psi 4140 bar
	SS-UHP-HC-HF9-HF4	HP 9/16" / HP 1/4"	1.1/8-12 UNF / 9/16”-18 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP SS-UHP-GN-04-HP / SS-UHP-CLR-04-HP	
	SS-UHP-HC-HF9-HF6	HP 9/16" / HP 3/8"	1.1/8”-12 UNF / 3/4”-16 UNF	SS-UHP-GN-09-HP / SS-UHP-CLR-09-HP SS-UHP-GN-06-HP / SS-UHP-CLR-06-HP	

drawing	pipe [inch]	thread (x2)	length L [inch / mm]							working working
			2,75” / 69,85 mm	3” / 76,2 mm	4” / 101,6 mm	6” / 152,4 mm	8” / 203,2 mm	10” / 254 mm	12” / 304,8 mm	
			index							
Nipple tube 	1/4”	1/4”-28 UNF LH	SS-UHP-HMM4-0275	SS-UHP-HMM4-03	-	-	SS-UHP-HMM4-08	SS-UHP-HMM4-10	SS-UHP-HMM4-12	MP 20000 psi 1380 bar
	3/8”	3/8”-24 UNF LH	-	SS-UHP-HMM6-03	SS-UHP-HMM6-04	SS-UHP-HMM6-06	SS-UHP-HMM6-08	SS-UHP-HMM6-10	SS-UHP-HMM6-12	
	9/16”	9/16”-18 UNF LH	-	SS-UHP-HMM9-03	SS-UHP-HMM9-04	SS-UHP-HMM9-06	SS-UHP-HMM9-08	SS-UHP-HMM9-10	SS-UHP-HMM9-12	
	1/4”	1/4”-28 UNF LH	SS-UHP-HHM4-0275	SS-UHP-HHM4-03	SS-UHP-HHM4-04	SS-UHP-HHM4-06	SS-UHP-HHM4-08	SS-UHP-HHM4-10	SS-UHP-HHM4-12	HP 60000 psi 4140 bar
	3/8”	3/8”-24 UNF LH	-	SS-UHP-HHM6-03	SS-UHP-HHM6-04	SS-UHP-HHM6-06	SS-UHP-HHM6-08	SS-UHP-HHM6-10	SS-UHP-HHM6-12	
	9/16”	9/16”-18 UNF LH	-	-	SS-UHP-HHM9-04	SS-UHP-HHM9-06	SS-UHP-HHM9-08	SS-UHP-HHM9-10	SS-UHP-HHM9-12	

On request, many different types of connectors with MP/HP connections are available, including connectors with MP and HP male-thread connections, adaptors MP(HP) / NPT, adaptors MP(HP) / JIC and others.


HP male thread / HP male thread


HP male thread / MP male thread


HP female thread / MP male thread


MP female thread / MP male thread


HP female thread / NPT male thread


NPT female thread / MP male thread


HP male thread / JIC male thread


Y connector 3 x HP female thread