

Quick Release Couplings

A

Technical Specifications:

BODY SIZE	INTERCHANGE STANDARDS				FUNCTIONAL PARAMETERS				
	U.S. MILITARY	U.S. GOVERNMENT	INTERNATIONAL STANDARDS	ANSI/NFPA STANDARDS	LOCKING BALL QUANTITY	AIR INCLUSION	FLUID LOSS	VACUUM INCH HG	FLOW $\Delta P = 22$ PSI L/MIN
1/8"	-	-	ISO7241 'B'	B93.113M-B	8	0.6cc	0.3cc	27.4	11
1/4"	-	-	ISO7241 'B'	B93.113M-B	8	1.1cc	0.9cc	27.4	4.5
3/8"	-	-	ISO7241 'B'	B93.113M-B	9	2.6cc	1.8cc	27.4	45
1/2"	-	-	ISO7241 'B'	B93.113M-B	9	3.8cc	2.9cc	27.4	68
3/4"	-	-	ISO7241 'B'	B93.113M-B	12	10.8cc	9.7cc	27.4	109
1"	-	-	ISO7241 'B'	B93.113M-B	12	15.9cc	15.3cc	27.4	188
1 1/4"	-	-	ISO7241 'B'	B93.113M-B	12	30.0cc	45.0cc	N/R	388
1 1/2"	-	-	ISO7241 'B'	B93.113M-B	12	60.0cc	75.0cc	N/R	451
2 1/2"	-	-	ISO7241 'B'	B93.113M-B	15	N/A	N/A	N/R	733



H-SERIES ISO-B INTERCHANGE (NIPPLE MALE THREAD)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
H2M3 H4M6-S	1/4" 1/2"	3/8" - 18 NPTF 3/4" - 14NPTF	Steel 303 Stainless Steel



H-SERIES ISO-B INTERCHANGE DUST CAPS AND PLUGS

BODY SIZE	COUPLER DUST PLUG	NIPPLE DUST CAP	MATERIAL
1/8"	1HDP	H1DC	Nitrile
1/4"	2HDP-H2DC combo plug/cap		Nitrile
3/8"	3HDP-H3DC combo plug/cap		Nitrile
1/2"	4HDP-H4DC combo plug/cap		Nitrile
3/4"	6HDP-H6DC combo plug/cap		Nitrile
1"	8HDP-H8DC* combo plug/cap		Nitrile

* 8HDP-H8DC fits both 1" and 1 1/4" body sizes

H Series ISO 7241 Series B Interchange

Interchange Data:

- Interchangeable to ISO7241 Series 'B'
- Parker 60-Series, Snap-Tite 72-Series, Hansen HK-Series, Faster Series 'HNV' Aeroquip/Eaton FD45, Stucchi Series IRB/IRBO/IRBX



Materials:

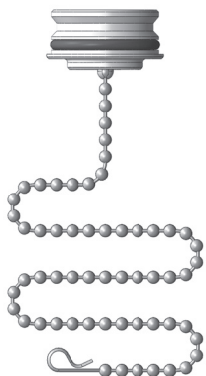
- Machined components are manufactured using solid Steel, Brass, 303 Stainless Steel or 316 Stainless Steel bar stock
- Stainless Steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS Compliant Trivalent Chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy duty performance and resist brinelling

Seal Components:

- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to +121°C (-40°F to +250°F)
- 1/8" to 1" Steel and stainless couplers have a PTFE anti-extrusion ring
- 1/8" to 2 1/2" Brass couplers have a redundant O-Ring sealing system (dual O-Rings/no PTFE back-up ring)
- 1 1/4" to 2 1/2" Steel and stainless couplers have a redundant o-ring sealing system (dual O-Rings/no PTFE back-up ring)
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection

Rated Pressure Chart:

H-SERIES ISO-B INTERCHANGE (CONNECTED)																
BODY SIZE	STEEL COUPLER/PLUG				BRASS COUPLER/PLUG				303 STAINLESS COUPLER/PLUG				316 STAINLESS COUPLER/PLUG			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/8"	4,000	275	14,500	1,000	3,000	200	16,500	1,100	3,500	240	29,500	2,000	3,500	240	29,500	2,000
1/4"	5,000	345	22,500	1,550	3,000	200	15,000	1,000	3,500	240	31,500	2,150	3,500	240	33,000	2,200
3/8"	4,000	275	16,500	1,150	2,500	175	12,000	800	3,500	240	26,500	1,800	3,500	240	28,000	1,900
1/2"	4,000	275	16,000	1,100	2,500	175	11,500	750	3,500	240	27,500	1,900	3,500	240	22,000	1,500
3/4"	4,000	275	16,500	1,150	2,000	138	12,000	800	3,000	200	16,000	1,100	3,000	200	21,500	1,450
1"	4,000	275	16,000	1,100	1,500	100	8,500	600	2,000	138	15,000	1,000	2,000	138	15,000	1,000
1 1/4"	2,500	170	10,000	700	1,000	70	6,500	450	2,000	138	10,000	700	1,000	70	8,500	580
1 1/2"	2,500	170	12,500	850	1,000	70	6,500	450	1,500	100	8,500	580	1,000	70	7,000	480
2 1/2"	1,500	100	6,000	400	700	50	5,500	380	1,000	70	6,500	450	900	62	6,000	400



H-SERIES ISO-B INTERCHANGE COUPLER RIGID DUST PLUG

PART NO	BODY SIZE	LANYARD	BODY
2HDP-A	1/4"	SS bead chain	Aluminium
3HDP-A	3/8"	SS bead chain	Aluminium
4HDP-A	1/2"	SS bead chain	Aluminium
6HDP-A	3/4"	SS bead chain	Aluminium
8HDP-A	1"	SS bead chain	Aluminium
12HDP-A	1 1/2"	SS bead chain	Aluminium
20HDP-A	2 1/2"	SS bead chain	Aluminium



H-SERIES ISO-B INTERCHANGE NIPPLE RIGID DUST CAP

PART NO	BODY SIZE	LANYARD	BODY
H2DC-A	1/4"	SS bead chain	Aluminium
H3DC-A	3/8"	SS bead chain	Aluminium
H4DC-A	1/2"	SS bead chain	Aluminium
H6DC-A	3/4"	SS bead chain	Aluminium
H8DC-A	1"	SS bead chain	Aluminium
H12DC-A	1 1/2"	SS bead chain	Aluminium
H20DC-A	2 1/2"	SS bead chain	Aluminium



(Female Thread)

H-SERIES ISO-B STEEL MILL 'SLIDE-GATE' INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
4HF4-HV	1/2"	1/2" - 14 NPTF	Steel



(Female Thread)

H-SERIES ISO-B STEEL MILL 'SLIDE-GATE' INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
H4F4-HV	1/2"	1/2" - 14 NPTF	Steel

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(Female Thread)

H-SERIES ISO-B INTERCHANGE (COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
1HF1	1/8"	1/8"-27 NPTF	Steel
1HF1-B	1/8"	1/8"-27 NPTF	Brass
1HF1-S	1/8"	1/8"-27 NPTF	303 Stainless Steel
1HF1-SS	1/8"	1/8"-27 NPTF	316 Stainless Steel
1HOF2	1/8"	7/16"-20 ORB	Steel
2HF2	1/4"	1/4"-18 NPTF	Steel
2HF2-B	1/4"	1/4"-18 NPTF	Brass
2HF2-S	1/4"	1/4"-18 NPTF	303 Stainless Steel
2HF2-SS	1/4"	1/4"-18 NPTF	316 Stainless Steel
2HOF3	1/4"	9/16"-18 ORB	Steel
2HOF3-S	1/4"	9/16"-18 ORB	303 Stainless Steel
2HOF3-SS	1/4"	9/16"-18 ORB	316 Stainless Steel
2HBF2	1/4"	1/4"-19 BSPP	Steel
2HBF2-B	1/4"	1/4"-19 BSPP	Brass
2HBF2-S	1/4"	1/4"-19 BSPP	303 Stainless Steel
2HBF2-SS	1/4"	1/4"-19 BSPP	316 Stainless Steel
3HF3	3/8"	3/8"-18 NPTF	Steel
3HF3-B	3/8"	3/8"-18 NPTF	Brass
3HF3-S	3/8"	3/8"-18 NPTF	303 Stainless Steel
3HF3-SS	3/8"	3/8"-18 NPTF	316 Stainless Steel
3HOF4	3/8"	3/4"-16 ORB	Steel
3HOF4-S	3/8"	3/4"-16 ORB	303 Stainless Steel
3HOF4-SS	3/8"	3/4"-16 ORB	316 Stainless Steel
3HBF3	3/8"	3/8"-19 BSPP	Steel
3HBF3-B	3/8"	3/8"-19 BSPP	Brass
3HBF3-S	3/8"	3/8"-19 BSPP	303 Stainless Steel
3HBF3-SS	3/8"	3/8"-19 BSPP	316 Stainless Steel
4HF4	1/2"	1/2"-14 NPTF	Steel
4HF4-B	1/2"	1/2"-14 NPTF	Brass
4HF4-S	1/2"	1/2"-14 NPTF	303 Stainless Steel
4HF4-SS	1/2"	1/2"-14 NPTF	316 Stainless Steel
4HOF5	1/2"	7/8"-14 ORB	Steel
4HOF5-S	1/2"	7/8"-14 ORB	303 Stainless Steel
4HOF5-SS	1/2"	7/8"-14 ORB	316 Stainless Steel
4HBF4	1/2"	1/2"-14 BSPP	Steel
4HBF4-B	1/2"	1/2"-14 BSPP	Brass
4HBF4-S	1/2"	1/2"-14 BSPP	303 Stainless Steel
4HBF4-SS	1/2"	1/2"-14 BSPP	316 Stainless Steel
6HF6	3/4"	3/4"-14 NPTF	Steel
6HF6-B	3/4"	3/4"-14 NPTF	Brass
6HF6-S	3/4"	3/4"-14 NPTF	303 Stainless Steel
6HF6-SS	3/4"	3/4"-14 NPTF	316 Stainless Steel
6HOF6	3/4"	1 1/16"-12 ORB	Steel
6HOF6-S	3/4"	1 1/16"-12 ORB	303 Stainless Steel
6HOF6-SS	3/4"	1 1/16"-12 ORB	316 Stainless Steel
6HBF6	3/4"	3/4"-14 BSPP	Steel
6HBF6-B	3/4"	3/4"-14 BSPP	Brass
6HBF6-S	3/4"	3/4"-14 BSPP	303 Stainless Steel
6HBF6-SS	3/4"	3/4"-14 BSPP	316 Stainless Steel
8HF8	1"	1"-11 1/2 NPTF	Steel
8HF8-B	1"	1"-11 1/2 NPTF	Brass
8HF8-S	1"	1"-11 1/2 NPTF	303 Stainless Steel
8HF8-SS	1"	1"-11 1/2 NPTF	316 Stainless Steel
8HOF8	1"	1 5/16"-12 ORB	Steel
8HOF8-S	1"	1 5/16"-12 ORB	303 Stainless Steel
8HOF8-SS	1"	1 5/16"-12 ORB	316 Stainless Steel
8HBF8	1"	1"-11 BSPP	Steel
8HBF8-B	1"	1"-11 BSPP	Brass
8HBF8-S	1"	1"-11 BSPP	303 Stainless Steel
8HBF8-SS	1"	1"-11 BSPP	316 Stainless Steel
10HF10	1 1/4"	1 1/4"-11 1/2 NPTF	Steel
10HF10-B	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
10HF10-S	1 1/4"	1 1/4"-11 1/2 NPTF	303 Stainless Steel
10HF10-SS	1 1/4"	1 1/4"-11 1/2 NPTF	316 Stainless Steel
10HBF10	1 1/4"	1 1/4"-11 BSPP	Steel
10HBF10-B	1 1/4"	1 1/4"-11 BSPP	Brass
10HBF10-S	1 1/4"	1 1/4"-11 BSPP	303 Stainless Steel
10HBF10-SS	1 1/4"	1 1/4"-11 BSPP	316 Stainless Steel
12HF10	1 1/2"	1 1/4"-11 1/2 NPTF	Steel
12HF10-B	1 1/2"	1 1/4"-11 1/2 NPTF	Brass
12HF10-S	1 1/2"	1 1/4"-11 1/2 NPTF	306 SS
12HOF10	1 1/2"	1 5/8"-12 ORB	Steel
12HF12	1 1/2"	1 1/2"-11 1/2 NPTF	Steel
12HF12-B	1 1/2"	1 1/2"-11 1/2 NPTF	Brass
12HF12-S	1 1/2"	1 1/2"-11 1/2 NPTF	303 Stainless Steel
12HF12-SS	1 1/2"	1 1/2"-11 1/2 NPTF	316 Stainless Steel
12HOF12	1 1/2"	1 7/8"-12 ORB	Steel
12HBF12	1 1/2"	1 1/2"-11 BSPP	Steel
12HBF12-B	1 1/2"	1 1/2"-11 BSPP	Brass
12HBF12-S	1 1/2"	1 1/2"-11 BSPP	303 Stainless Steel
12HBF12-SS	1 1/2"	1 1/2"-11 BSPP	316 Stainless Steel

H-SERIES ISO-B INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
H1F1	1/8"	1/8"-27 NPTF	Steel
H1F1-B	1/8"	1/8"-27 NPTF	Brass
H1F1-S	1/8"	1/8"-27 NPTF	303 Stainless Steel
H1F1-SS	1/8"	1/8"-27 NPTF	316 Stainless Steel
H1OF2	1/8"	7/16"-20 ORB	Steel
H2F2	1/4"	1/4"-18 NPTF	Steel
H2F2-B	1/4"	1/4"-18 NPTF	Brass
H2F2-S	1/4"	1/4"-18 NPTF	303 Stainless Steel
H2F2-SS	1/4"	1/4"-18 NPTF	316 Stainless Steel
H2OF3	1/4"	9/16"-18 ORB	Steel
H2OF3-S	1/4"	9/16"-18 ORB	303 Stainless Steel
H2OF3-SS	1/4"	9/16"-18 ORB	316 Stainless Steel
H2BF2	1/4"	1/4"-19 BSPP	Steel
H2BF2-B	1/4"	1/4"-19 BSPP	Brass
H2BF2-S	1/4"	1/4"-19 BSPP	303 Stainless Steel
H2BF2-SS	1/4"	1/4"-19 BSPP	316 Stainless Steel
H3F3	3/8"	3/8"-18 NPTF	Steel
H3F3-B	3/8"	3/8"-18 NPTF	Brass
H3F3-S	3/8"	3/8"-18 NPTF	303 Stainless Steel
H3F3-SS	3/8"	3/8"-18 NPTF	316 Stainless Steel
H3OF4	3/8"	3/4"-16 ORB	Steel
H3OF4-S	3/8"	3/4"-16 ORB	303 Stainless Steel
H3OF4-SS	3/8"	3/4"-16 ORB	316 Stainless Steel
H3BF3	3/8"	3/8"-19 BSPP	Steel
H3BF3-B	3/8"	3/8"-19 BSPP	Brass
H3BF3-S	3/8"	3/8"-19 BSPP	303 Stainless Steel
H3BF3-SS	3/8"	3/8"-19 BSPP	316 Stainless Steel
H4F4	1/2"	1/2"-14 NPTF	Steel
H4F4-B	1/2"	1/2"-14 NPTF	Brass
H4F4-S	1/2"	1/2"-14 NPTF	303 Stainless Steel
H4F4-SS	1/2"	1/2"-14 NPTF	316 Stainless Steel
H4OF5	1/2"	7/8"-14 ORB	Steel
H4OF5-S	1/2"	7/8"-14 ORB	303 Stainless Steel
H4OF5-SS	1/2"	7/8"-14 ORB	316 Stainless Steel
H4BF4	1/2"	1/2"-14 BSPP	Steel
H4BF4-B	1/2"	1/2"-14 BSPP	Brass
H4BF4-S	1/2"	1/2"-14 BSPP	303 Stainless Steel
H4BF4-SS	1/2"	1/2"-14 BSPP	316 Stainless Steel
H6F6	3/4"	3/4"-14 NPTF	Steel
H6F6-B	3/4"	3/4"-14 NPTF	Brass
H6F6-S	3/4"	3/4"-14 NPTF	303 Stainless Steel
H6F6-SS	3/4"	3/4"-14 NPTF	316 Stainless Steel
H6OF6	3/4"	1 1/16"-12 ORB	Steel
H6OF6-S	3/4"	1 1/16"-12 ORB	303 Stainless Steel
H6OF6-SS	3/4"	1 1/16"-12 ORB	316 Stainless Steel
H6BF6	3/4"	3/4"-14 BSPP	Steel
H6BF6-B	3/4"	3/4"-14 BSPP	Brass
H6BF6-S	3/4"	3/4"-14 BSPP	303 Stainless Steel
H6BF6-SS	3/4"	3/4"-14 BSPP	316 Stainless Steel
H8F8	1"	1"-11 1/2 NPTF	Steel
H8F8-B	1"	1"-11 1/2 NPTF	Brass
H8F8-S	1"	1"-11 1/2 NPTF	303 Stainless Steel
H8F8-SS	1"	1"-11 1/2 NPTF	316 Stainless Steel
H8OF8	1"	1 5/16"-12 ORB	Steel
H8OF8-S	1"	1 5/16"-12 ORB	303 Stainless Steel
H8OF8-SS	1"	1 5/16"-12 ORB	316 Stainless Steel
H8BF8	1"	1"-11 BSPP	Steel
H8BF8-B	1"	1"-11 BSPP	Brass
H8BF8-S	1"	1"-11 BSPP	303 Stainless Steel
H8BF8-SS	1"	1"-11 BSPP	316 Stainless Steel
H10F10	1 1/4"	1 1/4"-11 1/2 NPTF	Steel
H10F10-B	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
H10F10-S	1 1/4"	1 1/4"-11 1/2 NPTF	303 Stainless Steel
H10F10-SS	1 1/4"	1 1/4"-11 1/2 NPTF	316 Stainless Steel
H10BF10	1 1/4"	1 1/4"-11 BSPP	Steel
H10BF10-B	1 1/4"	1 1/4"-11 BSPP	Brass
H10BF10-S	1 1/4"	1 1/4"-11 BSPP	303 Stainless Steel
H10BF10-SS	1 1/4"	1 1/4"-11 BSPP	316 Stainless Steel
H12F10	1 1/2"	1 1/4"-11 1/2 NPTF	Steel
H12F10-B	1 1/2"	1 1/4"-11 1/2 NPTF	Brass
H12F10-S	1 1/2"	1 1/4"-11 1/2 NPTF	303 Stainless Steel
H12OF10	1 1/2"	1 5/8"-12 ORB	Steel
H12F12	1 1/2"	1 1/2"-11 1/2 NPTF	Steel
H12F12-B	1 1/2"	1 1/2"-11 1/2 NPTF	Brass
H12F12-S	1 1/2"	1 1/2"-11 1/2 NPTF	303 Stainless Steel
H12F12-SS	1 1/2"	1 1/2"-11 1/2 NPTF	316 Stainless Steel
H12OF12	1 1/2"	1 7/8"-12 ORB	Steel
H12BF12	1 1/2"	1 1/2"-11 BSPP	Steel
H12BF12-B	1 1/2"	1 1/2"-11 BSPP	Brass
H12BF12-S	1 1/2"	1 1/2"-11 BSPP	303 Stainless Steel
H12BF12-SS	1 1/2"	1 1/2"-11 BSPP	316 Stainless Steel



(Female Thread)