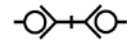


# HIGH PRESSURE - quick release couplings

## Couplings according to ISO-B standard



### PERFECTING (3/16" ÷ 1.1/2")

- Standard:** ISO 7241-1 B (except size 1.1/4")  
**Applications:** Hydraulics (hydraulic oil)  
 Industrial (water, steam, fuel, oil, gas and chemicals)  
**Working press.:** Up to 345 bar (safety factor 4:1)  
**Material:** Brass, galvanized steel, stainless steel  
**Seal:** NBR (from -40°C up to +120°C) - standard  
 Viton (from -30°C up to +205°C) - option  
 EPDM (from -55°C up to +150°C) - option  
**Advantages:** Double O-ring seal

The socket of a quick release couplings made of brass and stainless steel in sizes above 1" is equipped with a second O-ring instead of a stopper ring. It ensures better sealing. Interchangeable with ISO-B quick release couplings of different producers. Available in AISI 316 steel or with blank caps.

Socket	size [inch]	female thread [inch]	code		
			brass	galvanized steel	AISI 303
<p>(from 3/16" up to 1")</p> <p>(from 1.1/4" up to 1.1/2")</p>	3/16	1/8 NPTF	PC-1HF1-B	PC-1HF1	PC-1HF1-S
	1/4	1/4 BSP	PC-2HBF2-B	PC-2HBF2	PC-2HBF2-S
		1/4 NPTF	PC-2HF2-B	PC-2HF2	PC-2HF2-S
	3/8	3/8 BSP	PC-3HBF3-B	PC-3HBF3	PC-3HBF3-S
		3/8 NPTF	PC-3HF3-B	PC-3HF3	PC-3HF3-S
	1/2	1/2 BSP	PC-4HBF4-B	PC-4HBF4	PC-4HBF4-S
		1/2 NPTF	PC-4HF4-B	PC-4HF4	PC-4HF4-S
	3/4	3/4 BSP	PC-6HBF6-B	PC-6HBF6	PC-6HBF6-S
		3/4 NPTF	PC-6HF6-B	PC-6HF6	PC-6HF6-S
	1	1 BSP	PC-8HBF8-B	PC-8HBF8	PC-8HBF8-S
		1 NPTF	PC-8HF8-B	PC-8HF8	PC-8HF8-S
	1.1/4	1.1/4 BSP	PC-10HBF10-B	PC-10HBF10	PC-10HBF10-S
1.1/4 NPT		PC-10HF10-B	PC-10HF10	PC-10HF10-S	
1.1/2	1.1/2 BSP	PC-12HBF12-B	PC-12HBF12	PC-12HBF12-S	
	1.1/2 NPT	PC-12HF12-B	PC-12HF12	PC-12HF12-S	

Plug	size [inch]	female thread [inch]	code		
			brass	galvanized steel	AISI 303
<p>(from 3/16" up to 1")</p> <p>(from 1.1/4" up to 1.1/2")</p>	3/16	1/8 NPTF	PC-H1F1-B	PC-H1F1	PC-H1F1-S
	1/4	1/4 BSP	PC-H2BF2-B	PC-H2BF2	PC-H2BF2-S
		1/4 NPTF	PC-H2F2-B	PC-H2F2	PC-H2F2-S
	3/8	3/8 BSP	PC-H3BF3-B	PC-H3BF3	PC-H3BF3-S
		3/8 NPTF	PC-H3F3-B	PC-H3F3	PC-H3F3-S
	1/2	1/2 BSP	PC-H4BF4-B	PC-H4BF4	PC-H4BF4-S
		1/2 NPTF	PC-H4F4-B	PC-H4F4	PC-H4F4-S
	3/4	3/4 BSP	PC-H6BF6-B	PC-H6BF6	PC-H6BF6-S
		3/4 NPTF	PC-H6F6-B	PC-H6F6	PC-H6F6-S
	1	1 BSP	PC-H8BF8-B	PC-H8BF8	PC-H8BF8-S
		1 NPTF	PC-H8F8-B	PC-H8F8	PC-H8F8-S
	1.1/4	1.1/4 BSP	PC-H10BF10-B	PC-H10BF10	PC-H10BF10-S
1.1/4 NPT		PC-H10F10-B	PC-H10F10	PC-H10F10-S	
1.1/2	1.1/2 BSP	PC-H12BF12-B	PC-H12BF12	PC-H12BF12-S	
	1.1/2 NPT	PC-H12F12-B	PC-H12F12	PC-H12F12-S	

### Operating parameters

size [inch]	working pressure [bar]			flow rate at Δp = 3 bar [l/min]
	brass	galvanized steel	AISI 303	
3/16	207	275	241	16
1/4	207	345	241	23
3/8	207	275	241	55
1/2	172	275	241	83
3/4	138	275	207	151
1	103	275	138	260
1.1/4	69	172	138	476
1.1/2	69	172	103	642