

HIGH PRESSURE - quick release couplings

Dry break couplings according to ISO-F standard



PH IF (1/4" ÷ 2")

- Standard:** ISO 16028 (to the size of 1 ")
- Applications:** Hydraulics (hydraulic oil)
Industrial (water, steam, fuel, oil, gas and chemicals)
- Working press.:** Up to 315 bar (safety factor 4:1)
- Material:** AISI 316 Ti steel
- Seal:** Viton (from -20°C up to +200°C)
- Advantages:** Made of stainless steel

Dry break, "flat face" quick release couplings are intended for application in industry and high pressure hydraulics. A sockets has a safety locking pin preventing accidental disconnection. One hand operation. Interchangeable with ISO-F quick release couplings of different producers.

Socket and plug	size [inch]	female thread [inch]	code	
			socket	plug
	1/4	1/4 BSP	PH-IF06-F-04G-SS	PH-IF06-M-04G-SS
	3/8	3/8 BSP	PH-IF10-F-06G-SS	PH-IF10-M-06G-SS
	1/2	1/2 BSP	PH-IF12-F-08G-SS	PH-IF12-M-08G-SS
	5/8	3/4 BSP	PH-IF16-F-12G-SS	PH-IF16-M-12G-SS
	3/4	1 BSP	PH-IF19-F-16G-SS	PH-IF19-M-16G-SS
	1	1.1/4 BSP	PH-IF25-F-20G-SS	PH-IF25-M-20G-SS
	1.1/2	1.1/2 BSP	PH-IF40-F-24G-SS	PH-IF40-M-24G-SS
	2	2 BSP	PH-IF50-F-32G-SS	PH-IF50-M-32G-SS

Blank plugs/caps	size [inch]	material	code	
			socket blank plug	plug blank cap
	1/4	PVC	HQ-IF06-F-RED	HQ-IF06-M-RED
	3/8		HQ-IF10-F-RED	HQ-IF10-M-RED
	1/2		HQ-IF12-F-RED	HQ-IF12-M-RED
	5/8		HQ-IF16-F-RED	HQ-IF16-M-RED
	3/4		HQ-IF19-F-RED	HQ-IF19-M-RED
	1		HQ-IF25-F-RED	HQ-IF25-M-RED

Operating parameters

size [inch]	working pressure [bar]	flow rate at Δp = 3 bar [l/min]
1/4	315	29
3/8	250	45
1/2	250	103
5/8	250	158
3/4	250	194
1	200	270
1.1/2	90	758
2	60	1256