

FD35 Series 10,000 psi Ball Latch



Eaton's FD35 Series ball latch has a greater surface contact area for long surface life in rugged high pressure applications. The maximum operating pressure is 10,000 psi.

Product Features

- Safety sleeve lock prevents accidental disconnection
- Heavy duty back-up ring prevents O-Ring extrusion
- Heat treated and plated steel for greater wear and corrosion resistance
- Self-sealing poppet valves provide excellent high and low pressure sealing
- Standard seal material: FKM
- Standard body material: High resistance carbon steel with zinc trivalent plating

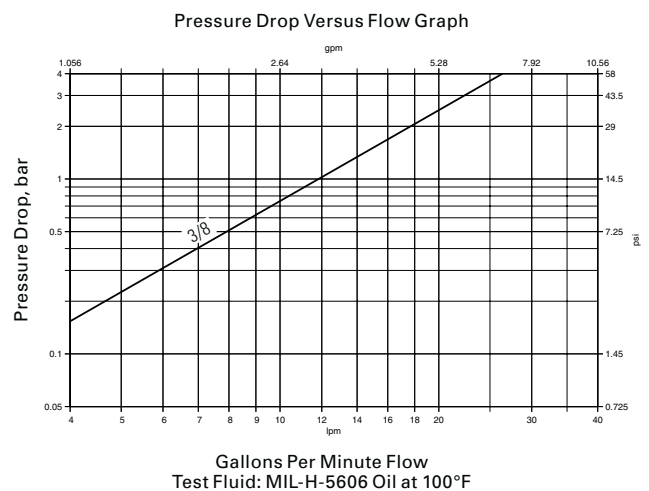
Physical Characteristics

Body Size	Max. Operating Pressure		Min. Burst Pressure		Vacuum Connected Only (in./Hg)	Rated Flow		Air Inclusion cc. max.	Fluid Loss cc.max.
	(bar)	(psi)	(bar)	(psi)		(lpm)	(gpm)		
3/8	700	10,000	2,800	40,000	28	8	2	0.50	0.50

Applications & Markets

- 10,000 psi hydraulic applications
- Hydraulic tool
- Hydraulic ram and work loading

Flow Data



FD35 Series 10,000 psi

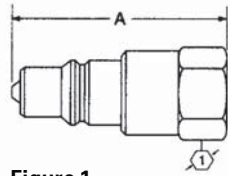


Figure 1

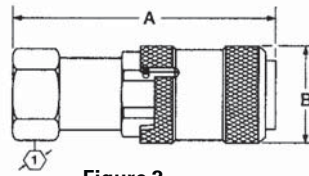


Figure 2

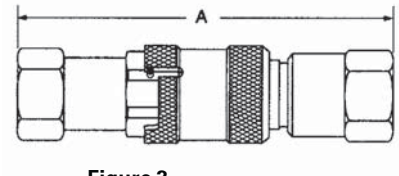


Figure 3

Dimensions (Female NPT, Valved)

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions					
							A		B		Hex ①	
							mm	(in)	mm	(in)	mm	(in)
FD35-1002-06-06	Plug/Male	3/8	3/8	3/8-18	Female NPT	1	53.8	(2.12)	-	-	23.9	(.94)
FD35-1001-06-06	Socket/Female	3/8	3/8	3/8-18	Female NPT	2	65.0	(2.56)	32.3	(1.27)	23.9	(.94)
FD35-1000-06-06	Complete	3/8	3/8	3/8-18	Female NPT	3	89.9	(3.54)	-	-	-	-

Dimensions (Female SAE O-Ring, Valved)

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions					
							A		B		Hex ①	
							mm	(in)	mm	(in)	mm	(in)
FD35-1008-06-06	Plug/Male	3/8	9/16	9/16-18	Female SAE O-Ring	1	53.8	(2.12)	-	-	23.9	(.94)
FD35-1007-06-06	Socket/Female	3/8	9/16	9/16-18	Female SAE O-Ring	2	65.0	(2.56)	32.3	(1.27)	23.9	(.94)
FD35-1006-06-06	Complete	3/8	9/16	9/16-18	Female SAE O-Ring	3	89.9	(3.54)	-	-	-	-

Dimensions (Female SAE O-Ring, 125 PSI Bleed Valve)

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex ①	
							A		mm	(in)
							mm	(in)	mm	(in)
FD35-1052-06-06	Plug/Male	3/8	9/16	9/16-18	Female SAE O-Ring	1	53.8	(2.12)	23.9	(.94)

Note: Incorporates a special relief valve set at 125 psi, preventing disconnected pressure build-up.

Dust Cap/Plug

Part Number	Body Size
FD35-1042-06	3/8

Note: Fits male and female halves



Dust Cap/Plug