

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

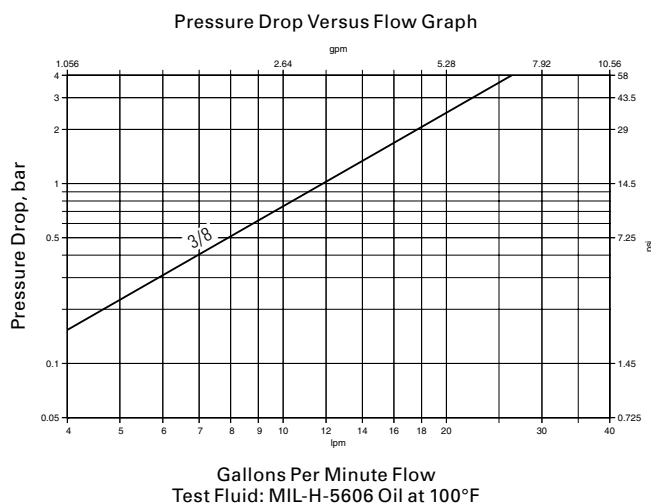
Physical Characteristics

Body Size	Max. Operating Pressure		Min. Burst Pressure		Vacuum Connected Only	Rated Flow		Air Inclusion	Fluid Loss
	(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

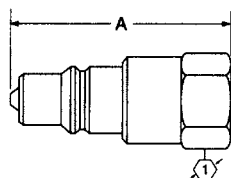


Figure 1

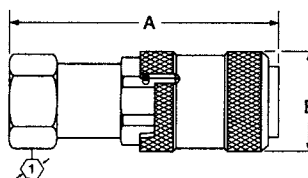


Figure 2

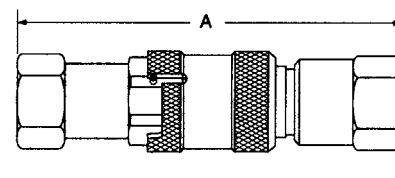


Figure 3

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 A		Hex ①	
							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

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT