

FD14 Series

Oil Drain Coupling



The FD14 Drain coupling is designed to serve as a drain port for use with Eaton’s FLOCS (Fast Lube Oil Change System) as well as providing a purging port for use during pre-fill operations. The FD14 provides a leak free push to connect operation for improving speed and efficiency for oil evacuation systems.

Product Features

- Low-Profile design with multiple sealing mechanisms
- Push-To-Connect female half for easy one-hand operation
- Broad range of standard thread styles for Male Half
- Utilizes a Copper-Crush gasket to seat against the port face
- Standard male half seal material - Viton
- Standard female half seal material - Buna-N
- Standard body material - High resistance carbon steel with zinc trivalent chromate plating with zinc die-cast valve

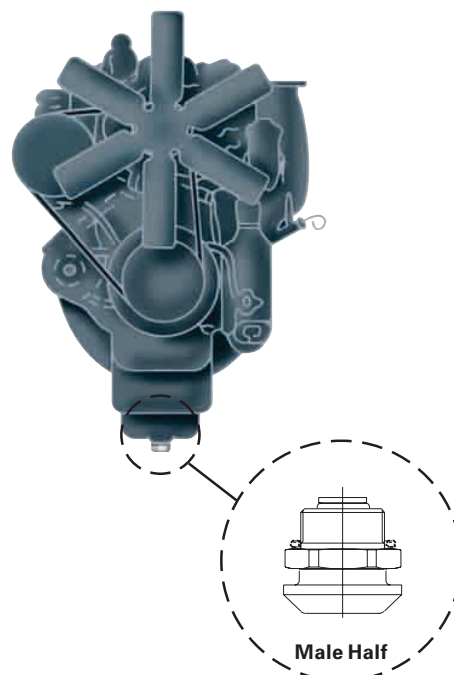
Physical Characteristics

Body Size	Max. Operating Pressure		Min. Burst Pressure Connected		Vacuum Connected Only	Rated Flow	
	bar	(psi)	bar	(psi)	(in./Hg)	L/min	(gpm)
3/8	3.5	(50)	7.0	(200)	28	12	(3)



Applications

- Automated oil evacuation systems
- Gravity drain oil evacuation systems



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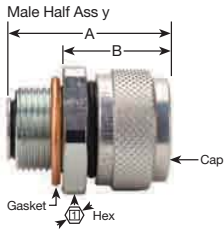


Figure 1

Dimensions (English Thread)

Body Size	Thread Size	Fig.	Dimensions		Hex ①		Min. Assy. Torque		Part Number Assembly (includes Gasket & Cap)	Gasket (Copper-Crush)	Cap (Brass)		
			A	B			N-m	(lbs-ft)					
	P		mm	(in)	mm	(in)	mm	(in)					
3/8	1 1/16-12 UN-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81	(30-60)*	FD14-4002-20-06	FD14-1206-08	FD14-1210-06
3/8	1 1/4-18 UNEF-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81	(30-60)*	FD14-4002-05-06	FD14-1206-11	FD14-1210-06
3/8	1 1/8-12 UNF-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81	(30-60)*	FD14-4002-14-06	FD14-1206-09	FD14-1210-06
3/8	1/2-14 DRYSEAL NPTF	1	40.6	(1.60)	24.4	(.96)	27.0	(1 1/16)	-	-	FD14-4002-27-06*	None Needed	FD14-1210-06
3/8	1/2-14 UNS-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-22-06*	FD14-1206-01	FD14-1210-06
3/8	1/2-20 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-01-06*	FD14-1206-01	FD14-1210-06
3/8	1-18 UNS-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-06-06	FD14-1206-07	FD14-1210-06
3/8	3/4-14 DRYSEAL NPTF	1	43.8	(1.72)	24.4	(.96)	31.8	(1 1/4)	-	-	FD14-4002-26-06	None Needed	FD14-1210-06
3/8	3/4-16 UNF-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-68	(30-50)*	FD14-4002-09-06	FD14-1206-04	FD14-1210-06
3/8	5/8-18 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-54	(20-40)*	FD14-4002-08-06*	FD14-1206-03	FD14-1210-06
3/8	7/8-14 UNF-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-10-06	FD14-1206-06	FD14-1210-06
3/8	7/8-18 UNS-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-07-06	FD14-1206-06	FD14-1210-06
3/8	9/16-18 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-54	(20-40)*	FD14-4002-12-06*	FD14-1206-02	FD14-1210-06

*⚠CAUTION: Failure to meet minimum assembly torque could result in fluid leakage.

Dimensions (Metric Thread)

Body Size	Thread Size	Fig.	Dimensions		Hex ①		Min. Assy. Torque		Part Number Assembly (includes Gasket & Cap)	Gasket (Copper-Crush)	Cap (Brass)		
			A	B			N-m	(lbs-ft)					
	P		mm	(in)	mm	(in)	mm	(in)					
3/8	M12 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-23-06*	FD14-1206-01	FD14-1210-06
3/8	M12 X 1.75 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-25-06*	FD14-1206-01	FD14-1210-06
3/8	M14 X 1.25 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-03-06*	FD14-1206-02	FD14-1210-06
3/8	M14 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33	(20-24)*	FD14-4002-24-06*	FD14-1206-02	FD14-1210-06
3/8	M18 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	31.8	(1 1/4)	27-33	(20-24)*	FD14-4002-02-06*	FD14-1206-04	FD14-1210-06
3/8	M20 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-16-06	FD14-1206-05	FD14-1210-06
3/8	M22 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-18-06	FD14-1206-06	FD14-1210-06
3/8	M24 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-19-06	FD14-1206-07	FD14-1210-06
3/8	M24 X 2 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-11-06	FD14-1206-07	FD14-1210-06
3/8	M25 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81	(30-60)*	FD14-4002-17-06	FD14-1206-07	FD14-1210-06
3/8	M27 X 2 6g	1	36.3	(1.43)	24.4	(.96)	38.1	(1 1/2)	41-81	(30-60)*	FD14-4002-29-06	FD14-1206-06	FD14-1210-06
3/8	M30 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81	(30-60)*	FD14-4002-21-06	FD14-1206-10	FD14-1210-06

*⚠CAUTION: Failure to meet minimum assembly torque could result in fluid leakage.

Dimensions (Female Half NPTF, Valved)

Body Size	Thread Size	Fig.	Dimensions		Hex ①	Part Number Assembly			
			A	B					
	P		mm	(in)	mm	(in)			
3/8	3/4-14 Dryseal NPTF	2	46.5	(1.83)	45.7	(1.80)	33.0	(1 5/16)	FD14-1001-12-06



Figure 2

Dimensions (Female Half Assembly, Non-Valved)

Body Size	Hose Size	Fig.	Dimensions		Part Number Assembly		
			A	B			
	P		mm	(in)	mm	(in)	
3/8	5/8" SOCKETLESS™	3	59.4	(2.34)	38.1	(1.50)	FD14-4003-10-06

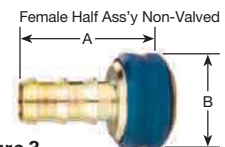


Figure 3

FD14 Series

Oil Drain Coupling

Dimensions (Cap Molded Rubber)

Body Size	Fig.	Dimensions				Part Number Cap (Buna-N)
		A		B		
		mm	(in)	mm	(in)	
3/8	4	13.2	(.519)	35.6	(1.40)	FD14-1204-06

Dimensions (Cap)

Body Size	Fig.	Dimensions				Part Number Cap (Buna-N)
		A		B		
		mm	(in)	mm	(in)	
3/8	5	18.4	(.726)	31.8	(1.25)	FD14-1210-06

Swivel Joint

Body Size	Fig.	Thread Size	Cap	Part Number (Buna-N)
3/8	6	3/4-14	Dryseal NPTF	FD14-1004-12-12

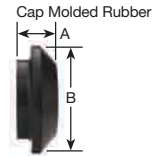


Figure 4

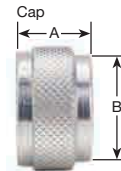


Figure 5



Figure 6



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