



FF Series

Flush Face



The FF Series couplers are a two-way shut-off hydraulic coupler. Typical applications include portable hydraulic tools, railway and construction maintenance equipment, utility company field equipment and general purpose hydraulic service. The flush face technology provides for ease of cleaning, minimal air inclusion and minimal fluid loss. The arrow stamped on the coupler indicates the direction of flow for installation purposes.

Features:

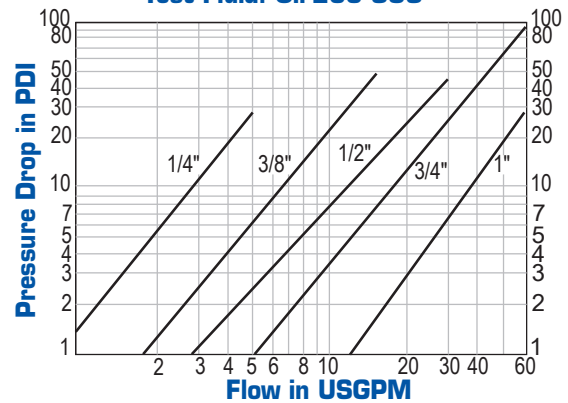
- Meets dimensional and performance standards of ISO 16028 as well as HTMA* and NFPA.
- "FF" Series style double shut-off hydraulic couplings are intended for use on medium pressure hydraulic systems up to 2500 psi operating pressures.
- Combines dual flush face valving, push-to-connect operation, minimum fluid loss upon disconnect, low air inclusion and sleeve lock.
- Primary applications are with hydraulic tools where cleaner automatic connections are needed and in machine tool line connections where minimum fluid leaks can be tolerated.

*Hydraulic Tool Mfg. Assoc. and National Fluid Power Assoc.

Specifications	Size				
	1/4"	3/8"	1/2"	3/4"	1"
Rated Pressure (psi)	5,000	5,000	5,000	5,000	5,000
Minimum Burst pressure, Male half (psi)	27,000	22,000	24,000	23,000	21,000
Minimum Burst pressure, Female half (psi)	27,000	25,000	23,000	20,000	20,000
Minimum Burst pressure, Coupled (psi)	27,000	23,000	25,000	22,000	22,000
Rated Flow (gpm)	3	6	12	26	50
Temperature Range	-10°F to +250°F				
Spillage (ML) (max. per disconnect)	.015	.015	.020	.150	.200
Air Inclusion (max. per disconnect)	.020	.020	.070	.100	.150

Performance:

FF Series (1/4"; 3/8"; 1/2"; 3/4"; 1")
Test Fluid: Oil-200 SUS



FF Series Plugs

Female Thread	Part No. Steel	Size	Dust Plug	Thread Size NPT
	B-FF2F2-FP	1/4"	SDC-2	1/4-20 FPT
	B-FF2F2-FP-SAE			1/4-20 SAE
	B-FF3F3-FP	3/8"	SDC-3	3/8-18 FPT
	B-FF3F4-FP			1/2-14 FPT
	B-FF4F4-FP	1/2"	SDC-4	1/2-14 FPT
	B-FF4F4-FP-SAE			3/4-16 SAE
	B-FF4F6-FP			3/4-14 FPT
	B-FF4F6-FP-SAE			1/16-12-SAE
	B-FF6F6-FP	3/4"	SDC-6	3/4-14 FPT
	B-FF6F6-FP-SAE			1/16-12-SAE
	B-FF8F8-FP	1"	SDC-8	1-11/2 FPT

FF Series Sockets

Female Thread	Part No. Steel	Size	Dust Plug	Thread Size NPT
	B-2FF2-FP	1/4"	PDC-2	1/4-20 FPT
	B-2FF2-FP-SAE			1/4-20 SAE
	B-3FF3-FP	3/8"	PDC-3	3/8-18 FPT
	B-3FF4-FP			1/2-14 FPT
	B-4FF4-FP	1/2"	PDC-4	1/2-14 FPT
	B-4FF4-FP-SAE			3/4-16 SAE
	B-4FF6-FP			3/4-14 FPT
	B-4FF6-FP-SAE			1/16-12-SAE
	B-6FF6-FP	3/4"	PDC-6	3/4-14 FPT
	B-6FF6-FP-SAE			1/16-12-SAE
	B-8FF8-FP	1"	PDC-8	1-11/2 FPT

Note: Foster approved components (May be imported)