

General Description: Parker FF Series couplings are widely used in the public utility market where hydraulic oil spillage can constitute a serious safety hazard, particularly in overhead bucket hoists that are used for maintenance of high-voltage power transmission lines. These couplings are also used for quick change of hydraulic tools in construction, railway maintenance and mining industries. The ease of cleaning makes them ideal for use in these types of hostile environments.

- Features:**
- Sleeve locking mechanism is engaged by rotating sleeve after connection. It prevents accidental disconnection when, for example, the coupling is dragged along the ground during use.
 - Sleeve mechanism is designed to help prevent dirt from entering the internal mechanism and thus causing faulty operation when connecting or disconnecting. The sleeve covers the retaining ring and also incorporates a dust seal in the spring area.
 - Steel construction, zinc plated with chromate finish. Hardened nipples and sleeves and solid barstock construction for maximum resistance to damage from hydraulic and mechanical shock.
 - The Anti-Blowout Nitrile/PTFE bonded seal is designed to prevent blow-out or damage during severe service conditions.
 - Durable ball-locking mechanism assures reliable connections, every time. A large number of locking balls distributes the work load evenly.
 - Female pipe (NPSF) and SAE O-Ring Boss are available as standard.
 - FF Series couplings employ flush valving when connecting or disconnecting. This means that the valves are mated together so that only small amounts of fluid can be lost during disconnection or air inclusion during reconnection.
 - The 3/8" size conforms to HTMA (Hydraulic Tool Manufacturer's Association) standards. All sizes incorporate flush face mating surfaces which greatly facilitate cleaning of the product when disconnected. HTMA couplings (3/8" only)-coupler and nipple are marked with a directional flow arrow as per specifications. However, couplings are bi-directional.

HYDRAULIC QUICK COUPLINGS

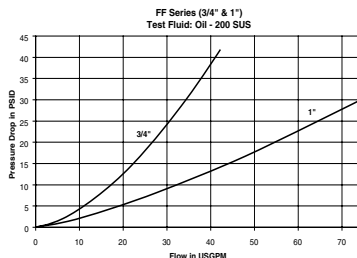
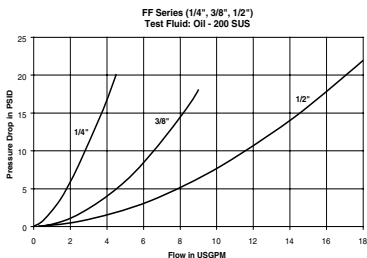
FF SERIES NON-SPILL COUPLINGS



Specifications

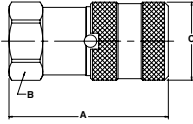
Body Size (in.)	1/4	3/8	1/2	3/4	1
Rated Pressure (psi)	5000	3000	3000	3000	3000
Rated Flow (GPM)	3	6	12	28	50
Temperature Range	-40° to +250° F.				
Spillage (ML) (max. per disconnect)	.015	.015	.020	.150	.200
Air Inclusion (ML) (max. per connect)	.020	.020	.070	.100	.150

Performance



NON-SPILL COUPLINGS FF SERIES

COUPLERS

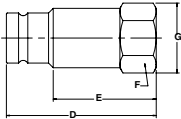


Standard Port Configurations
FP – Female Pipe Thread
FO – Female Straight Thread

Body Size (in.)	Part No. Steel	Thread Size	Overall Length (in.) A	Hex Size (in.) B	Largest Diameter (in.) C	Wt. (LB.) P/Piece
1/4	FF-251-4FP	1/4-18 NPSF	1.79	1.00	1.06	0.23
1/4	FF-251-6FO	9/16-18 UNF	1.91	1.00	1.06	0.23
3/8	FF-371-6FP	3/8-18 NPSF	2.39	1.06	1.20	0.44
3/8	FF-371-8FP	1/2-14 NPSF	2.80	1.06	1.20	0.50
3/8	FF-371-8FO	3/4-16 UNF	2.82	1.06	1.20	0.52
1/2	FF-501-8FP	1/2-14 NPSF	2.67	1.37	1.58	0.88
1/2	FF-501-10FO	7/8-14 UNF	2.89	1.37	1.58	1.05
3/4	FF-751-12FP	3/4-14 NPSF	3.50	1.75	1.94	1.84
3/4	FF-751-12FO	1 1/16-12 UNF	3.75	1.75	1.94	1.93
1	FF-1001-16FP	1-11 1/2 NPSF	4.14	1.87	2.25	2.64
1	FF-1001-16FO	1 5/16-12 UNF	4.24	1.87	2.25	2.68

NON-SPILL COUPLINGS FF SERIES

NIPPLES



Standard Port Configurations
FP – Female Pipe Thread
FO – Female Straight Thread

Body Size (in.)	Part No. Steel	Thread Size	Overall Length (in.) D	Exposed Length (in.)* E	Hex Size (in.) F	Largest Diameter (in.) G	Wt. (LB.) P/Piece
1/4	FF-252-4FP	1/4-18 NPSF	1.66	1.15	1.00	1.06	0.16
1/4	FF-252-6FO	9/16-18 UNF	1.66	1.15	1.00	1.06	0.16
3/8	FF-372-6FP	3/8-18 NPSF	2.31	1.71	0.94	1.08	0.26
3/8	FF-372-8FP	1/2-14 NPSF	2.64	2.04	1.06	1.19	0.32
3/8	FF-372-8FO	3/4-16 UNF	2.70	2.16	1.06	1.19	0.30
1/2	FF-502-8FP	1/2-14 NPSF	2.75	2.11	1.12	1.30	0.42
1/2	FF-502-10FO	7/8-14 UNF	2.97	2.29	1.12	1.30	0.44
3/4	FF-752-12FP	3/4-14 NPSF	3.38	2.47	1.50	1.73	1.00
3/4	FF-752-12FO	1 1/16-12 UNF	3.58	2.64	1.50	1.73	1.02
1	FF-1002-16FP	1-11 1/2 NPSF	3.85	2.60	1.87	2.17	1.60
1	FF-1002-16FO	1 5/16-12 UNF	3.85	2.60	1.87	2.17	1.70

*This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.