

Hydraulic Quick Couplings Non-Spill

FF/FC Series HTMA (3/8 size)

Push to connect/sleeve lock



B Hydraulics



FF Series couplings eliminate spillage and air inclusion when connecting and disconnecting. The sleeve locking mechanism prevents accidental disconnection. 3/8" body size complies with Hydraulic Tool Manufacturers Association standards. FC nipples provide a connect-under-pressure option for trapped pressures up to 3000 psi on the nipple side.

Features

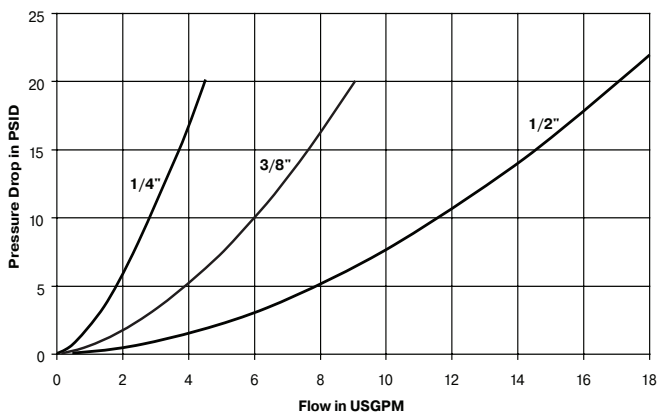
- Flush, non-spill valving
- Hardened steel sleeves and nipple bodies
- Locking sleeve
- Sleeve-Lok design now standard
- Blow-out resistant seal
- Connect-under-pressure FC nipple option
- Standard zinc plating

Applications include:

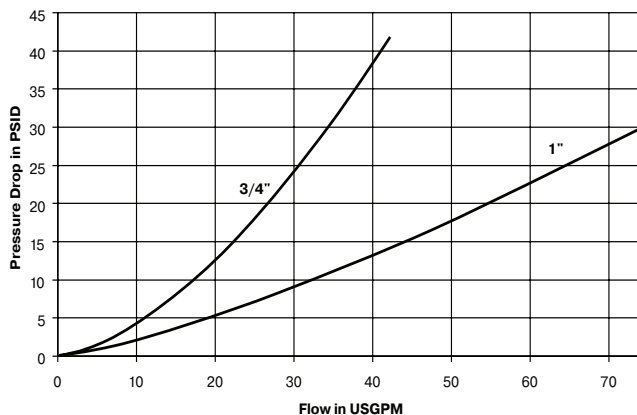
- Hydraulic tools
- Mobile equipment
- Industrial hydraulics

Performance

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



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

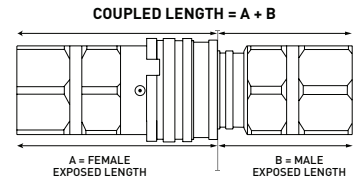


FF Series Specifications

Body Size	Rated Pressure (psi)	Rated Flow (gpm)	Temperature Range	Spillage (ml) max. per disconnect	Air Inclusion (ml) max. per connect	Body Material	Sleeve Type	Seal Material
1/4	5000	3	-40° to +250°F	.015	.020	Steel	Push to Connect	Nitrile/ Polyurethane
3/8	5000	6		.015	.020			
1/2	3000	12		.080	.070			
3/4	3000	28		.150	.100			
1	3000	50		.200	.150			

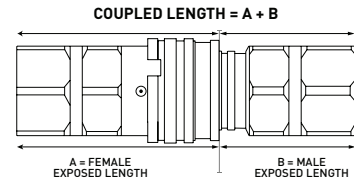


FF Series Couplers



Body Size	Coupler Part Number	Port End	Length	Coupled Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	FF-251-4FP	1/4-18 NPSF	1.79		1.06	25 mm	0.23
1/4	FF-251-4MP	1/4-18 NPTF	1.84		1.06	25 mm	0.24
1/4	FF-251-6FO	9/16-18 UNF	1.91		1.06	25 mm	0.23
3/8	FEM-371-6FP	3/8-18 NPTF	3.06	5.02	1.26	30 mm	0.77
3/8	FEM-371-8FP	1/2-14 NPTF	3.17	5.23	1.26	30 mm	0.75
3/8	FEM-371-6FB	3/8-19 BSPP	3.06	5.02	1.31	30 mm	0.75
3/8	FEM-371-8FB	G1/2 BSPP	3.17	5.23	1.31	30 mm	0.75
3/8	FEM-371-8FO	3/4-16 UNF	3.06	5.02	1.26	30 mm	0.74
1/2	FF-501-8FP	1/2-14 NPSF	3.25		1.53	36 mm	1.18
1/2	FF-501-10FO	7/8-14 UNF	3.07		1.53	36 mm	1.075
3/4	FF-751-12FP	3/4-14 NPSF	3.50		1.94	45 mm	1.84
3/4	FF-751-12FO	1 1/16-12 UNF	3.75		1.94	45 mm	1.93
1	FF-1001-16FP	1-11 1/2 NPSF	4.14		2.25	48 mm	2.64
1	FF-1001-16FO	1 5/16-12UNF	4.24		2.25	48 mm	2.68

FF Series Nipples



Body Size	Nipple Part Number	Port End	Length	Coupled Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	FF-252-4FP	1/4-18 NPSF	1.66		1.15	1.06	25 mm	0.16
1/4	FF-252-4MP	1/4-18 NPTF	1.72		1.18	1.06	25 mm	0.26
1/4	FF-252-6FO	9/16-18 UNF	1.66		1.15	1.06	25 mm	0.16
3/8	FEM-372-6FP	3/8-18 NPTF	2.59	5.02		1.26	30 mm	0.48
3/8	FEM-372-8FP	1/2-14 NPSF	2.69	5.23		1.26	30 mm	0.48
3/8	FEM-372-6FB	3/8-19 BSPP	2.59	5.02		1.26	30 mm	0.48
3/8	FEM-372-8FB	G1/2 BSPP	2.69	5.22		1.26	30 mm	0.47
3/8	FEM-372-8FO	3/4-16 UNF	2.59	5.02		1.26	30 mm	0.45
1/2	FF-502-8FP	1/2-14 NPSF	3.13		2.11	1.57	36 mm	0.87
1/2	FF-502-10FO	7/8-14 UNF	2.95		2.07	1.57	36 mm	0.77
3/4	FF-752-12FP	3/4-14 NPSF	3.38		2.47	1.73	45 mm	1.00
3/4	FF-752-12FO	1 1/16-12 UNF	3.58		2.47	1.73	45 mm	1.02
1	FF-1002-16FP	1-11 1/2 NPSF	3.85		2.60	2.17	48 mm	1.60
1	FF-1002-16FO	1 5/16-12UNF	3.85		2.60	2.17	48 mm	1.70

Standard Port Configurations: **FP** - Female Pipe Thread **FO** - Female Straight Thread
MP - Male Pipe Thread **FB** - Female British Standard Pipe Parallel

* This dimension represents the portion of the nipple that is exposed when the nipple and coupler are connected.



WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



Optional Seal Materials:
(add code to part number)

Code	Description	Part Number Example
suffix -E5	Ethylene Propylene seal material (EPR)	FF-501-8FP-E5
suffix -E4	Fluorocarbon seal material	FF-501-8FP-E4

Optional seals include O-ring & Back-Up Ring, not Anti-Blow Out bonded seal. Contact QCD for availability and additional options. To select proper seal materials, see Fluid Compatibility Chart or contact QCD.

FF Series Repair Kits

1/4" Nipple	FF-252-KIT	FF-252-KIT-E4	FF-252-KIT-E5
3/8" Nipple	FF-372-KIT	FF-372-KIT-E4	FF-372-KIT-E5
3/4" Nipple	FF-752-KIT	FF-752-KIT-E4	FF-752-KIT-E5
1/2" Nipple	FF-502-KIT	FF-502-KIT-E4	FF-502-KIT-E5
1" Nipple	FF-1002-KIT	FF-1002-KIT-E4	FF-1002-KIT-E5

Dust Caps - FF Series

	Body Size	Coupler Dust Cap - Rubber	Nipple Dust Cap - Rubber
	1/4	FR-25	FR-25
	3/8	NR-50	NR-37
	1/2	FR-501	FR-502
	3/4	FR-751	FR-752
	1	FR-1001	FR-1002