

### Features

The SM Series couplings feature:

- Poppet valves with captive valve seals: the valve seal is positively captured by the metal poppet to minimize seal washout.
- Coupler and nipple are precision machined from solid barstock.
- SM Series are available in female pipe (NPTF), SAE O-Ring Boss and British Pipe (BSPP) as standard.

### Applications

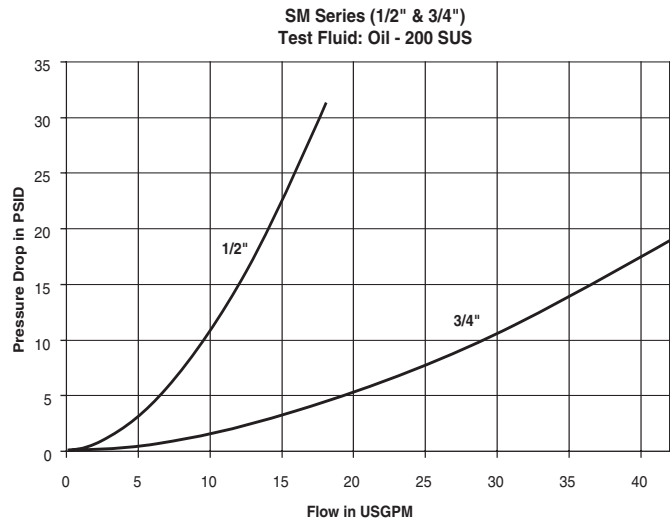
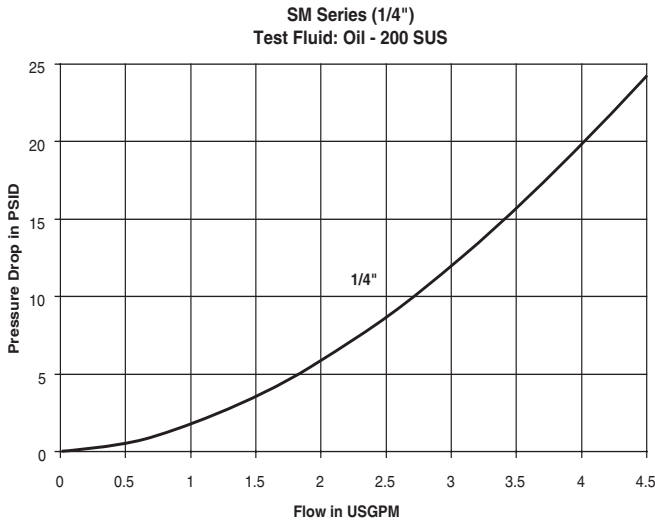
SM Series couplings are used across the spectrum of hydraulic applications. These Double Shut-Off couplings can be found anywhere that fluid transfer lines need to be connected and disconnected for operation or maintenance of equipment, and a loss of fluid is undesirable. Designed for use with commercial grades of hydraulic fluids. These couplings are ideally suited for all mobile or industrial applications.

**Note:** Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

### Specifications

Body Size (in.)	1/4	1/2	3/4
Rated Pressure (PSI)	6,000	6,000	4,500
Rated Flow (GPM)	3	12	28
Temperature Range (Nitrile Seals)	-40° to +250°F		

### Performance

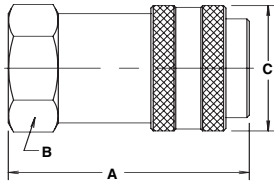


## Hydraulic Quick Couplings

## General Purpose Couplings SM Series

### Couplers

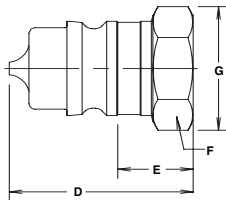
#### Female Thread



Body Size (in.)	Part No. Steel	Thread Size	Dimensions (in.)			Wt. (LB.) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	SM-251-4FP	1/4-18 NPTF	1.89	0.75	1.06	0.24
1/4	SM-251-4FB	G1/4 BSPP	2.04	0.75	1.06	0.26
1/4	SM-251-6FP	3/8-18 NPTF	2.04	0.94	1.06	0.28
1/4	SM-251-6FB	G3/8 BSPP	2.04	0.94	1.06	0.26
1/4	SM-251-6FO	9/16-18ORB	2.04	0.75	1.06	0.25
1/2	SM-501-8FP	1/2-14 NPTF	2.81	1.25	1.56	0.70
1/2	SM-501-8FB	G1/2 BSPP	2.95	1.25	1.56	0.74
1/2	SM-501-12FP	3/4-14 NPTF	2.99	1.37	1.56	0.81
1/2	SM-501-12FB	G3/4 BSPP	3.16	1.37	1.56	0.85
1/2	SM-501-8FO	3/4-16ORB	2.95	1.25	1.56	0.70
3/4	SM-751-12FO	1 1/16-12ORB	3.62	1.62	2.25	1.78
3/4	SM-751-12FP	3/4-14 NPTF	3.62	1.62	2.22	1.83
3/4	SM-751-12FB	G3/4 BSPP	3.76	1.62	2.22	1.88
3/4	SM-751-16FP	1-11 1/2 NPTF	3.90	1.62	2.22	1.84
3/4	SM-751-16FB	G 1 BSPP	3.90	1.62	2.22	1.89
3/4	SM-751-16FO	1-5/16-12ORB	3.90	1.62	2.22	1.89

### Nipples

#### Female Thread



Body Size (in.)	Part No. Steel	Thread Size	Dimensions (in.)				Wt. (LB.) P/Piece
			Overall Length	Exposed* Length	Hex Size	Largest Diameter	
			D	E	F	G	
1/4	SM-252-4FP	1/4-18 NPTF	1.29	0.50	0.75	0.87	0.08
1/4	SM-252-4FB	G1/4 BSPP	1.44	0.65	0.75	0.87	0.09
1/4	SM-252-6FP	3/8-18 NPTF	1.60	0.81	0.94	1.08	0.14
1/4	SM-252-6FB	G3/8 BSPP	1.60	0.81	0.94	1.08	0.14
1/4	SM-252-6FO	9/16-18ORB	1.44	0.55	0.75	0.87	0.08
1/2	SM-502-8FO	3/4-16ORB	2.27	0.72	1.06	1.23	0.16
1/2	SM-502-8FP	1/2-14 NPTF	1.81	0.45	1.06	1.23	0.15
1/2	SM-502-8FB	G1/2 BSPP	1.96	0.60	1.06	1.23	0.18
1/2	SM-502-12FP	3/4-14 NPTF	2.27	0.90	1.37	1.59	0.30
1/2	SM-502-12FB	G3/4 BSPP	2.44	1.07	1.37	1.59	0.34
3/4	SM-752-12FO	1 1/16-12ORB	2.33	0.39	1.50	1.73	0.48
3/4	SM-752-12FP	3/4-14 NPTF	2.33	0.39	1.50	1.73	0.52
3/4	SM-752-12FB	G3/4 BSPP	2.79	0.53	1.50	1.73	0.56
3/4	SM-752-16FP	1-11 1/2 NPTF	2.61	0.67	1.62	1.88	0.56
3/4	SM-752-16FB	G 1 BSPP	2.61	0.67	1.62	1.88	0.68
3/4	SM-752-16FO	1-5/16-12ORB	2.61	0.67	1.62	1.88	0.68

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

### Optional Seals



Optional Seals Suffix (Standard seals are Nitrile)	
E4	Fluorocarbon
E5	Ethylene Propylene (EPR)
E12	Neoprene
	Perfluoroelastomer (Contact Factory for Seal Options)