

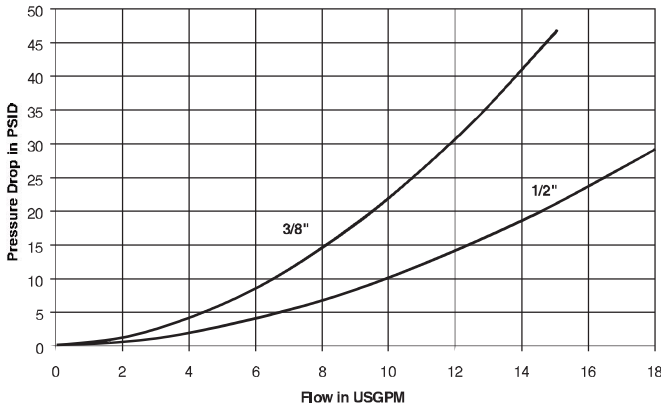
Applications

Non-Spill couplings by Parker 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 hand tools in the construction, railway maintenance and mining industries. They are also ideal for in-plant use where excess oil spillage can create a hazard.

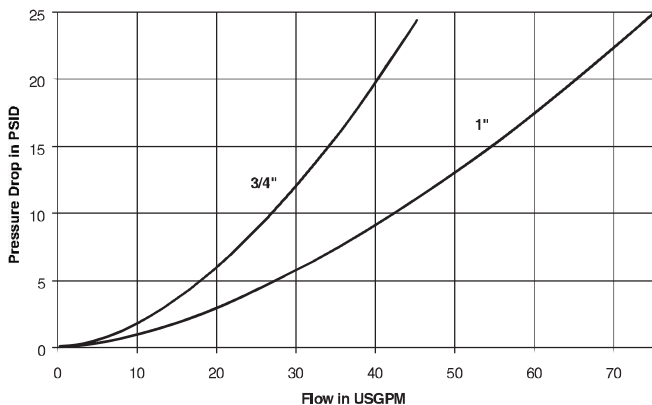
Note: See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

Performance

NS Series (3/8" & 1/2")
Test Fluid: Oil - 200 SUS



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



Features

1. Positive valve stop. The perch maintains valve alignment and provides metal to metal valve stop to ensure that the valves open fully, every time.
2. Captive valve seal assures "bubble tight" poppet sealing. The valve seal is positively captured by the metal poppet to minimize seal washout or damage from high velocity fluid.
3. Steel construction, zinc plated with yellow chromate finish. Hardened nipples and sleeves and solid barstock construction for maximum resistance to damage from hydraulic and mechanical shock.
4. The seal is designed to withstand high pressures and provide reliable sealing. 1/2" and above sizes feature PTFE back-up rings that support mating seals for high pressure applications.
5. Durable ball-locking assure reliable connection, every time. A large number of locking balls distribute the work load evenly while providing alignment and swiveling action to reduce hose torque and prolong hose life.
CAUTION: these products are not to be used as swivels, rotation under pressure will result in excessive and premature wear.
6. Female pipe (NPSF), SAE O-Ring Boss and British pipe (BSPF) are available as standard.
7. Dry-Disconnect 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 included during reconnection.
8. Sleeve locking mechanism prevents accidental disconnection when the coupling is dragged along the ground. Sleeve is rotated to engage the lock. The sleeve-lock feature is standard on this product.

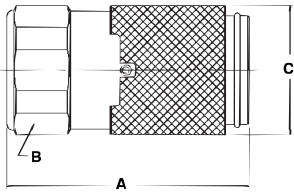
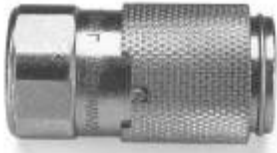
Specifications

Body Size (in.)	3/8	1/2	3/4	1
Rated Pressure (PSI)	2500	2500	2500	2500
Rated Flow (GPM)	10	12	30	50
Temperature Range (std seals)	-40° to +250°F			
Spillage (ML) (max. per disconnect)	0.020	0.070	0.150	0.220
Air Incl. (ML) (max. per disconnect)	0.010	0.020	0.050	0.070

Hydraulic Quick Couplings

Non-Spill Couplings NS Series

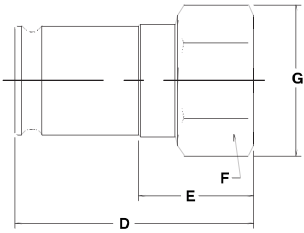
Couplers



Body Size (in.)	Part No. Steel	Thread Size	Dimensions (in.)			Wt. (LB.) P/Piece	
			Overall Length	Hex Size	Largest Diameter		
			A	B	C		
3/8	NS-371-6FP	3/8-18 NPSF	2.10	1.06	1.13	0.36	
3/8	NS-371-6FB	G3/8 BSPP	2.10	1.06	1.13	0.38	
3/8	NS-371-8FO	3/4-16UNF	2.20	1.06	1.13	0.40	
1/2	NS-501-8FP	1/2-14 NPSF	2.88	1.25	1.56	0.80	
1/2	NS-501-8FB	G1/2 BSPP	2.95	1.25	1.56	0.74	
1/2	NS-501-10FO*	7/8-14UNF	2.97	1.25	1.56	0.80	
3/4	NS-751-12FP	3/4-14 NPSF	3.19	1.56	1.96	1.48	
3/4	NS-751-12FB	G3/4 BSPP	3.38	1.56	1.96	1.54	
3/4	NS-751-12FO	1 1/16-12UN	3.51	1.56	1.96	1.58	
1	NS-1001-16FP	1-11 1/2 NPSF	3.70	1.75	2.25	2.35	
1	NS-1001-16FB	G 1 BSPP	3.81	1.75	2.25	2.36	
1	NS-1001-16FO	1 5/16-12UN	3.81	1.75	2.25	2.36	

* Contact factory for Connect-Under-Pressure option availability in the 1/2" size.

Nipples



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		
3/8	NS-372-6FP	3/8-18 NPSF	1.70	1.17	0.94	1.08	0.16	
3/8	NS-372-6FB	G3/8 BSPP	1.78	1.25	0.94	1.08	0.16	
3/8	NS-372-8FO	3/4-16UNF	1.91	1.38	1.06	1.23	0.20	
1/2	NS-502-8FP	1/2-14 NPSF	1.81	0.69	1.06	1.23	0.20	
1/2	NS-502-8FB	G1/2 BSPP	1.95	0.83	1.06	1.23	0.22	
1/2	NS-502-10FO	7/8-14UNF	2.14	1.02	1.12	1.30	0.28	
3/4	NS-752-12FP	3/4-14 NPSF	2.25	1.12	1.37	1.59	0.48	
3/4	NS-752-12FB	G3/4 BSPP	2.47	1.34	1.37	1.59	0.54	
3/4	NS-752-12FO	1 1/16-12UN	2.62	1.49	1.37	1.59	0.65	
1	NS-1002-16FP	1-11 1/2 NPSF	2.64	1.54	1.62	1.88	0.72	
1	NS-1002-16FB	G 1 BSPP	2.78	1.68	1.62	1.88	0.74	
1	NS-1002-16FO	1 5/16-12UN	2.87	1.77	1.62	1.88	0.80	

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

Standard Port Configurations

- FP - Female Pipe Thread
- FO - Female Straight Thread
- FB - Female British Standard Pipe Parallel

Optional Seals



Optional Seals Suffix	
E4	Fluorocarbon
E5	Ethylene Propylene (EPR)
E35	Perfluoroelastomer (Contact factory for Seal options)

Hydraulic Quick Couplings

Non-Spill Adapters

Applications

Parker Non-Spill Adapters were designed due to the widespread use of several coupling types in the construction market. These adapters help the user adapt between poppet style couplings and non-spill type couplings. Adapters are widely available with Parker FE and FF Series to Parker 6600 Series coupling connections. This product is especially useful where multiple hydraulic attachments are being used with skid steer loaders.

Materials Of Construction

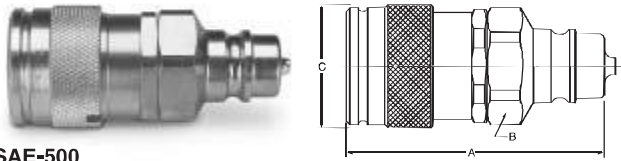
Body: Steel
 Finish: Zinc plated with yellow chromate finish

Specifications

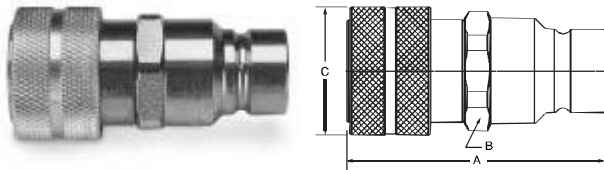
Body Size (in.)	1/2
Rated Pressure (PSI) – EAS/SAE	3625
Rated Pressure (PSI) – FAS/SAF	3000
Temperature Range	-40° to + 250°F
Max Spillage Per Disconnect (ml.) (Flush Face End)	.020
Max Air Inclusion Upon Connect (ml.) (Flush Face End)	.070
Rated Flow (GPM)	12

Adapters

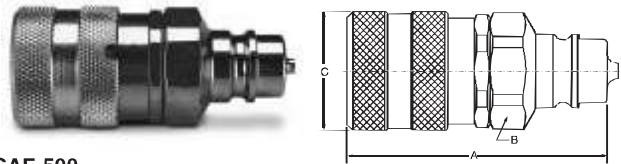
EAS-500



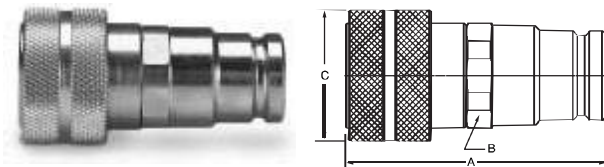
SAE-500



FAS-500



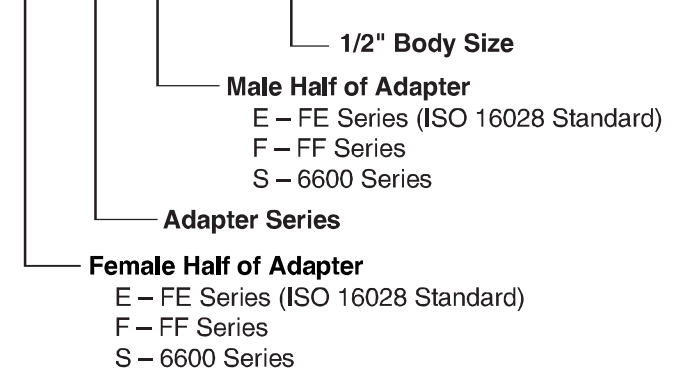
SAF-500



How To Order

Adapter Part Number

E A S – 500



Body Size	Part Number	Thread Size	Overall Length		
			A	B	C
1/2	EAS-500	NA	3.364	1.380	1.50
1/2	SAE-500	NA	3.000	1.250	1.48
1/2	FAS-500	NA	3.390	1.380	1.54
1/2	SAF-500	NA	2.95	1.125	1.48

Performance

FE/FF to 6600 Adapter (1/2")
 Test Fluid: Oil - 200 SUS

