



### Applications

The 4000 Series brings to the industry a proven design for use on construction equipment, forestry equipment, agricultural machinery, oil tools, steel mill machinery, and other demanding hydraulic 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.

### Special Order Information

Standard seal material is Nitrile, other seal options are available. See Ordering Information at end of Section B and Fluid Compatibility Chart at end of this catalog for assistance in making seal selection.

Note: The part numbers for the 4000 Series Poppet Valve design are designated with a -P. For example 4050-4P.

### Specifications

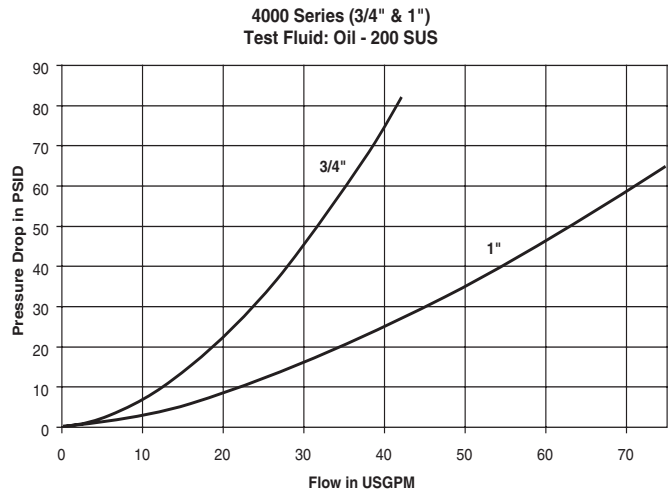
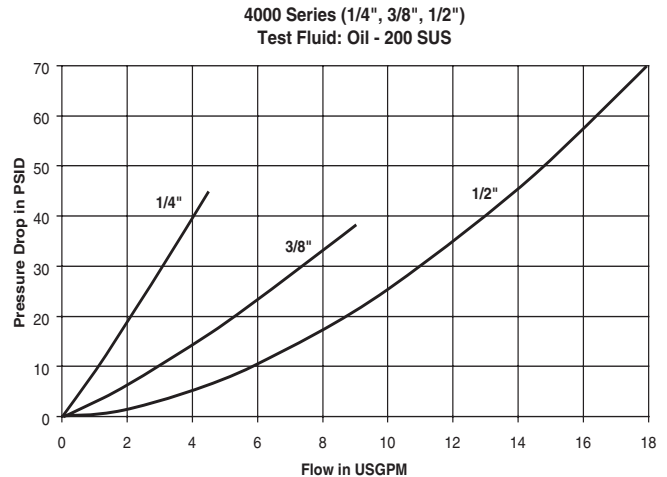
Body Size (in.)	1/4	3/8	1/2	3/4	1
Rated Pressure (PSI)	3000	3000	3000	3000	3000
Rated Flow (GPM)	3	6	12	28	50
Temperature Range (std seals)	-40° to +250°F				

### Features

Parker 4000 Series couplings feature:

- Poppet valves available to prevent uncoupled leakage.
- Ball valves available for rugged dependability in heavy-duty hydraulic applications, within rated working pressures.
- Critical parts are induction hardened for durability.
- Dependable ball-locking mechanism holds the mating halves together.
- Couplers and nipple are precision machined from solid bar stock.
- For applications with residual trapped pressure use connect-under-pressure nipples designated by the -DC option.

### Performance

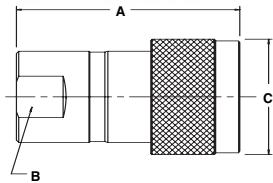
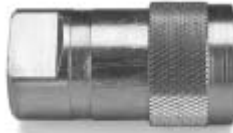


# Hydraulic Quick Couplings

# General Purpose Couplings 4000 Series

## Couplers

### Female Thread



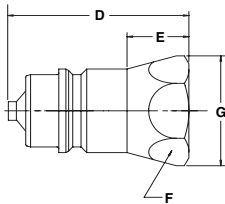
Body Size (in.)	Part No. Steel*	Thread Size NPTF	Thread Size ORB	Thread Size BSPP	Dimensions (in.)			Wt. (LB.) P/Piece	
					Overall Length	Wrench Flats	Largest Diameter		
					A	B	C		
1/4	4050-2P	1/4-18	-		2.18	0.88	1.06	0.24	
1/4	4050-2P-T8M	-	3/4-16 (Male)		1.80	0.88	1.06	0.21	
1/4	4050-T6	-	9/16-18		2.18	0.88	1.06	0.27	
1/4	4050P-T6**	-	9/16-18		2.43	0.81	1.33	0.33	
3/8	4050-3P	3/8-18	-		2.31	0.94	1.33	0.51	
1/2	4050-4	1/2-14	-		2.60	1.06	1.52	0.58	
1/2	4050-4P	1/2-14	-		2.60	1.06	1.52	0.58	
1/2	4050-5	3/4-14	-		2.69	1.13	1.52	0.71	
1/2	4050-5P	3/4-14	-		2.69	1.13	1.52	0.71	
1/2	4050-15	-	3/4-16		2.81	1.06	1.52	0.64	
1/2	4050-15P	-	3/4-16		2.81	1.06	1.52	0.64	
1/2	4050-16	-	7/8-14		2.75	1.06	1.52	0.59	
1/2	4050-16P	-	7/8-14		2.75	1.06	1.52	0.59	
1/2	4050-29BSPP	-	-	1/2-14	2.68	1.06	1.52	0.59	
3/4	4150-5	3/4-14	-		3.50	1.38	1.90	1.00	
1	4050-6P	1-11 1/2	-		3.84	1.63	2.08	1.89	

\* P in part number designates Poppet design

\*\* Push-to-Connect design.

## Nipples

### Female Thread

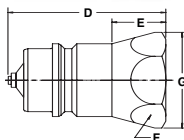


Body Size (in.)	Part No. Steel*	Thread Size NPTF	Thread Size ORB	Thread Size BSPP	Dimensions (in.)				Wt. (LB.) P/Piece	
					Overall Length	Exposed Length†	Hex Size	Largest Diameter		
					D	E	F	G		
1/4	4010-2P	1/4-18	-		1.39	0.71	0.75	0.87	0.08	
1/4	4010-T6	-	9/16-18		1.49	0.81	0.75	0.87	0.09	
3/8	4010-3P	3/8-18	-		1.50	.80	.94	1.08	0.16	
1/2	8010-4	1/2-14	-		1.95	1.09	1.06	1.23	0.20	
1/2	8010-4P	1/2-14	-		1.95	1.09	1.06	1.23	0.20	
1/2	8010-5	3/4-14	-		2.14	1.28	1.25	1.44	0.25	
1/2	8010-5P	3/4-14	-		2.14	1.28	1.25	1.44	0.25	
1/2	8010-15	-	3/4-16		2.06	1.20	1.06	1.23	0.20	
1/2	8010-15P	-	3/4-16		2.06	1.20	1.06	1.23	0.20	
1/2	8010-16	-	7/8-14		2.05	1.18	1.06	1.23	0.25	
1/2	8010-16P	-	7/8-14		2.05	1.18	1.06	1.23	0.25	
1/2	8010-29BSPP	-	-	1/2-14	1.95	1.09	1.06	1.18	0.25	
3/4	4110-5	3/4-14	-		1.81	1.23	1.31	1.52	0.50	
1	4010-6P	1-11 1/2	-		2.79	1.49	1.63	1.88	0.62	

\* P in part number designates Poppet design

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

## Connect-Under-Pressure



Body Size (in.)	Part No. Steel*	Thread Size NPTF	Thread Size ORB	Thread Size BSPP	Dimensions (in.)				Wt. (LB.) P/Piece	
					Overall Length	Exposed Length†	Hex Size	Largest Diameter		
					D	E	F	G		
1/2	8010-4P-DC	1/2-14	-	-	1.81	1.09	1.06	1.16	0.20	
1/2	8010-15P-DC	-	3/4-16	-	1.81	1.09	1.06	1.16	0.20	

## Replacement Parts - 4000 Series

Body Size (in.)	1/4	3/8	1/2	3/4	1
O-Rings - Nitrile	50001-113-0260	50001-116-0260	50001-211-0260	50001-215-0010	50001-218-0260

