



Applications

Parker general purpose 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. Primarily used with hydraulic fluid, general purpose Double Shut-Off couplings are also used with chemicals, water, steam, and some gases.

Special Order Information

60 Series couplings are available in zinc plated steel, brass, 303 stainless steel, and 316 stainless steel. Brass couplings have double O-Ring seals and stainless locking balls.

Standard seal material is Nitrile; optional seal materials are available.

For 316 stainless steel products, standard seal material is Fluorocarbon, and other seal materials are available upon request. See Fluid Compatibility Chart at end of this catalog.

All sizes of 60 Series can be furnished with locking sleeves. Place suffix letters “-SL” (Sleeve-Lok) after regular catalog numbers. Example H3-62-SL. Parker 60 Series heavy duty nipples are recommended where high cycle rates and pressure surges are encountered. Machined from high tensile steel and induction hardened, they are zinc plated with a yellow chromate finish. To specify a heavy duty nipple, add the prefix “HD” to the steel part number; thus: HD-H2-63.

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

Industry Standard: Parker 60 Series couplings comply with ISO 7241 Series B Standard.																
ANSI/ISO Pressure Rating: Dynamic applications with normal to moderate hydraulic shocks such as general industrial equipment, hydraulic presses, agricultural equipment, etc. Impulse tested at a multiple (125% to 133%) of rated pressure.									Low Cycle, Non-pulsating Pressure Rating: Applications with lower cycle life and no severe cyclic pressure fluctuations, essentially steady pressure during an operating cycle. Typical applications include hydraulic jacks, mine roof support systems, and high pressure fluid transfer (pumping water or slurry in oil wells). Minor pump ripple is considered non-pulsating. Impulse tested at rated pressure.							
Body Size (in.)	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
	Rated Pressure (PSI)								Rated Pressure (PSI)							
Brass	1000	1000	1000	1000	1000	1000	800	800	3000	3700	2700	3500	2200	1500	1500	1200
Stainless steel	2000	2000	1500	1500	1500	1000	1000	1000	5000	5000	5000	5000	3000	3000	1500	1500
Steel	5000	5000	4000	4000	2500	2000	1000	1000	5000	5000	4000	4000	2500	2000	1500	1500
Steel w / HD nipple	N/A	5000	4000	4000	3000	3000	N/A	N/A	5000	5000	4000	4000	3000	3000	N/A	N/A
Seal Temperature Range: Nitrile: -40°F to +250°F (Standard seal for Brass, Steel, & 303 Stainless Steel couplings). Fluorocarbon: -15°F to +400°F (Standard seal for 316 Stainless Steel couplings). Other Seal materials: Contact the Division for availability.																
Vacuum Data: 27.4 inches Hg. both connected and disconnected (1-1/2" and 2-1/2" body size 60 Series couplings are not recommended for service in disconnected mode)																
Note: Read the Safety Guide for Selecting and Using Quick Action Couplings and Related Accessories before making a coupling selection. It may be found in Parker Hannifin Quick Coupling Division catalogs and is available as Parker Publication No. 3800-B1.0.																

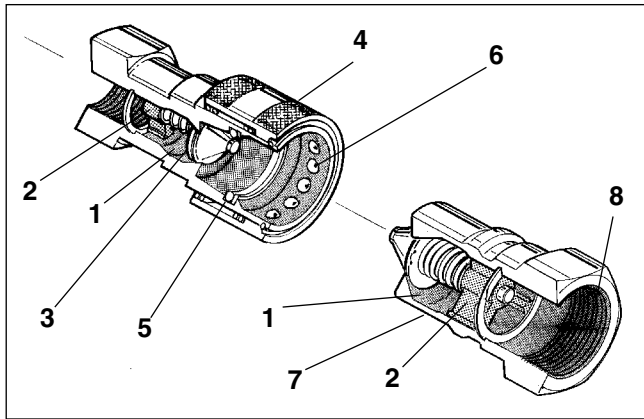
Body Size (in.)	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
Rated Flow (GPM)	.8	3	6	12	28	50	100	200



Hydraulic Quick Couplings

General Purpose Couplings

60 Series

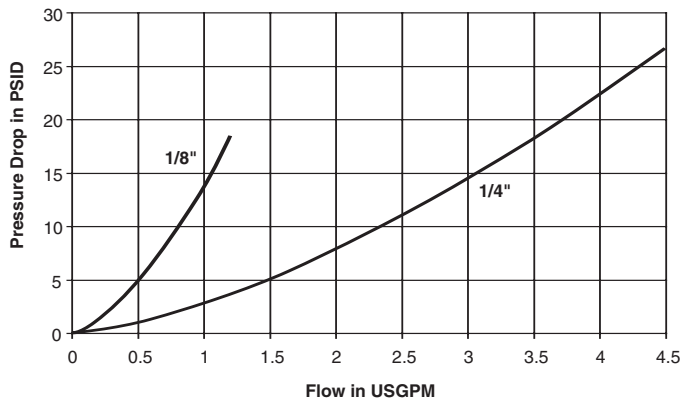


Features

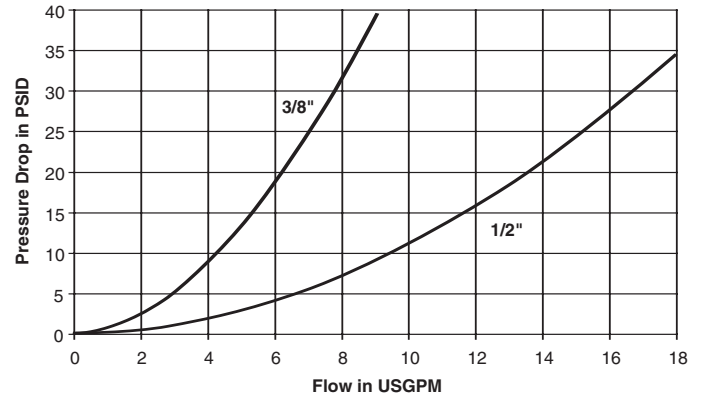
1. Large flow areas machined into the body of the coupler and nipple facilitate flow around the valve, for a high flow capacity.
2. Positive valve stop. The perch maintains valve alignment and provides metal to metal valve stop to ensure that the valves open fully, every time.
3. Captive valve seal assures "bubble tight" poppet sealing. The valve seal is positively captured by the metal poppet to minimize seal washout or damage from high velocity fluid.
4. Hardened nipples and sleeves (steel) and solid barstock construction make for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock.
5. The seal is designed to withstand high pressures and provide reliable sealing. A wide selection of optional seal materials are available, see Fluid Compatibility Chart at end of this catalog for selection assistance. Steel versions feature PTFE back-up rings that support mating seals for high pressure applications. Brass couplers have a double O-ring seal for redundancy in low pressure, vacuum and steam applications.
6. Durable ball-locking mechanism assures reliable connection, every time. A large number of locking balls distributes the work load evenly while providing alignment and swiveling action to reduce hose torque and prolong hose life.
7. Manufactured from brass, steel and stainless steel as standard materials. A wide range of seals allow these couplings to be used with a broad range of media.
8. Also available with a Straight Thread (ORB) end configuration available as standard.
9. Industrial Standard: Parker 60 Series couplings comply with ISO 7241, Series B Standard.

Performance

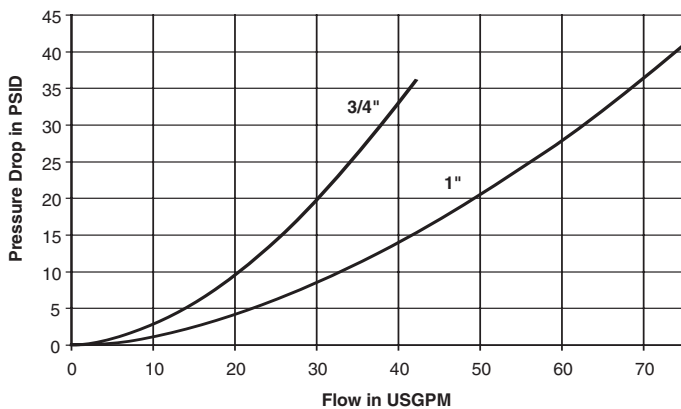
60 Series (1/8" & 1/4")
Test Fluid: Oil - 150 SUS



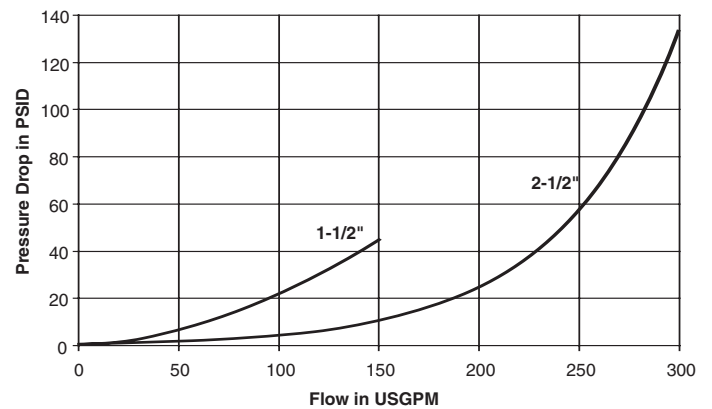
60 Series (3/8" & 1/2")
Test Fluid: Oil - 150 SUS



60 Series (3/4" & 1")
Test Fluid: Oil - 150 SUS



60 Series (1-1/2" & 2-1/2")
Test Fluid: Oil - 200 SUS

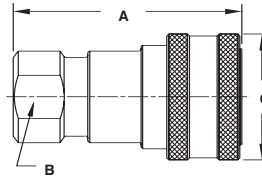


Hydraulic Quick Couplings

General Purpose Couplings 60 Series

Couplers

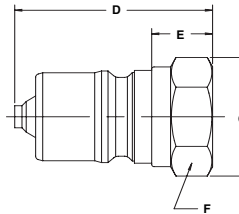
Female Thread



Body Size (in.)	Part No. Brass	Wt. (LB.) P/Piece	Part No. Steel	Wt. (LB.) P/Piece	Part No. Type 303 Stainless	Wt. (LB.) P/Piece	Part No. Type 316 Stainless	Wt. (LB.) P/Piece	Thread Size NPTF	Thread Size ORB	Dimensions (in.)			
											Overall Length	Wrench Flats	Largest Diameter	
												A	B	C
1/8	BH1-60	0.16	H1-62	0.16	SH1-62	0.16	SSH1-62Y	0.15	1/8-27	-	1.90	0.68	0.96	
1/8	-	-	H1-62-T4	0.18	SH1-62-T4	0.10	SSH1-62Y-T4	0.17	-	7/16-20	2.06	0.68	0.96	
1/4	BH2-60	0.32	H2-62	0.30	SH2-62	0.30	SSH2-62Y	0.30	1/4-18	-	2.26	0.81	1.14	
1/4	-	-	H2-62-T6	0.31	SH2-62-T6	0.31	SSH2-62Y-T6	0.31	-	9/16-18	2.41	0.81	1.14	
3/8	BH3-60	0.43	H3-62	0.40	SH3-62	0.40	SSH3-62Y	0.40	3/8-18	-	2.49	0.88	1.40	
3/8	-	-	H3-62-T8	0.51	SH3-62-T8	0.51	SSH3-62Y-T8	0.51	-	3/4-16	2.75	1.00	1.40	
1/2	BH4-60	0.80	H4-62	0.73	SH4-62	0.75	SSH4-62Y	0.76	1/2-14	-	2.87	1.12	1.77	
1/2	-	-	H4-62-T10	0.78	SH4-62-T10	0.75	SSH4-62Y-T10	0.78	-	7/8-14	3.05	1.12	1.77	
3/4	BH6-60	-	H6-62	1.30	SH6-62	1.31	SSH6-62Y	1.33	3/4-14	-	3.56	1.31	2.14	
3/4	-	-	H6-62-T12	1.39	SH6-62-T12	1.34	SSH6-62Y-T12	1.40	-	1-1/16-12	3.56	1.31	2.14	
1	BH8-60	-	H8-62	1.95	SH8-62	1.95	SSH8-62Y	1.95	1-11 1/2	-	4.18	1.62	2.52	
1	-	-	H8-62-T16	1.95	SH8-62-T16	1.95	SSH8-62Y-T16	1.95	-	1-5/16-12	4.18	1.62	2.52	

Nipples

Female Thread



Body Size (in.)	Part No. Brass	Wt. (LB.) P/Piece	Part No. Steel	Wt. (LB.) P/Piece	Part No. Type 303 Stainless	Wt. (LB.) P/Piece	Part No. Type 316 Stainless	Wt. (LB.) P/Piece	Thread Size NPTF	Thread Size ORB	Dimensions (in.)				
											Overall Length	Exposed Length*	Wrench Flats	Largest Diameter	
												D	E	F	G
1/8	BH1-61	0.04	H1-63	0.03	SH1-63	0.03	SSH1-63Y	0.04	1/8-27	-	1.26	0.44	0.56	0.65	
1/8	-	0.06	H1-63-T4	0.05	SH1-63-T4	-	SSH1-63Y-T4	0.06	-	7/16-20	1.41	0.59	0.69	0.79	
1/4	BH2-61	0.09	H2-63	0.08	SH2-63	0.08	SSH2-63Y	0.08	1/4-18	-	1.54	0.55	0.75	0.87	
1/4	-	0.11	H2-63-T6	0.10	SH2-63-T6	0.10	SSH2-63Y-T6	0.10	-	9/16-18	1.69	0.70	0.88	1.01	
3/8	BH3-61	0.10	H3-63	0.12	SH3-63	0.12	SSH3-63Y	0.12	3/8-18	-	1.68	0.54	0.88	1.01	
3/8	-	0.12	H3-63-T8	0.16	SH3-63-T8	0.16	SSH3-63Y-T8	0.14	-	3/4-16	1.94	0.80	1.00	1.15	
1/2	BH4-61	0.25	H4-63	0.24	SH4-63	0.24	SSH4-63Y	0.24	1/2-14	-	1.94	0.69	1.12	1.30	
1/2	-	0.28	H4-63-T10	0.27	SH4-63-T10	0.27	SSH4-63Y-T10	0.27	-	7/8-14	2.12	0.87	1.19	1.37	
3/4	BH6-61	0.50	H6-63	0.46	SH6-63	0.45	SSH6-63Y	0.46	3/4-14	-	2.43	0.79	1.38	1.59	
3/4	-	0.55	H6-63-T12	0.46	SH6-63-T12	0.50	SSH6-63Y-T12	0.50	-	1-1/16-12	2.54	0.90	1.34	1.59	
1	BH8-61	0.76	H8-63	0.76	SH8-63	0.76	SSH8-63Y	0.76	1-11 1/2	-	2.91	0.99	1.62	1.88	
1	-	0.80	H8-63-T16	0.80	SH8-63-T16	0.80	SSH8-63Y-T16	0.80	-	1-5/16-12	2.91	0.99	1.62	1.88*	

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

Optional Seals

60 Series



Optional Seals Suffix	
W	Ethylene Propylene (EPR)
Y	Fluorocarbon
Z	Neoprene
	Perfluoroelastomer (Contact factory for Seal options)

