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 brass, 303 stainless steel, and 316 stainless steel. Brass couplings have double O-Ring seals and stainless locking balls.

Standard seal materials are Buna-N (Nitrile); optional seal materials are available.

For 316 stainless steel products, standard seal material is Viton™, 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 BH3-62SL. Parker 60 Series heavy duty nipples are recommended where high cycle rates and pressure surges are encountered.

Note

Coupler and Plug protectors 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 protector. See table following 1/8" – 1" nipples for appropriate part numbers.

Specifications

ANSI/ISO Pressure Rating: Dynamic applications witrh 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.

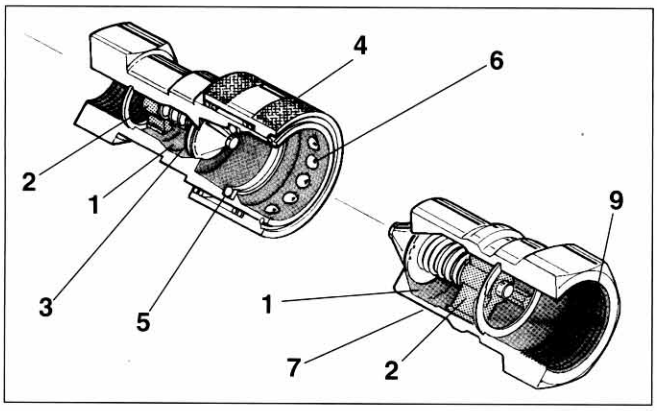
Body Size	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
	Rated Pressure (PSI)								Rated Pressure (PSI)							
Brass	1000	1000	1000	1000	1000	1000	800	800	3000	3700	2700	3500	2200	1500	1500	1200
Stainless steel	2000	2000	1500	1500	1500	1000	1000	1000	5000	5000	5000	5000	3000	3000	1500	1500

Temperature Range: Standard seals (Buna-N) -40° to +250° F Optional Viton seals -10° to +400° F

Vacuum Data: 27.4 inches Hg. both connected and disconnected

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 Divison catalogs and is available as Parker Publication No. 3800-B1.0.

Body Size	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

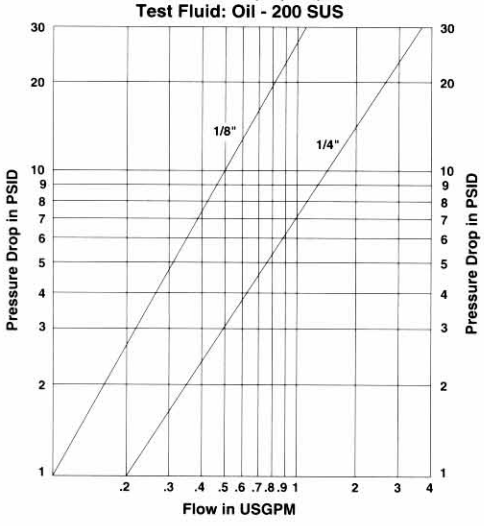


Features

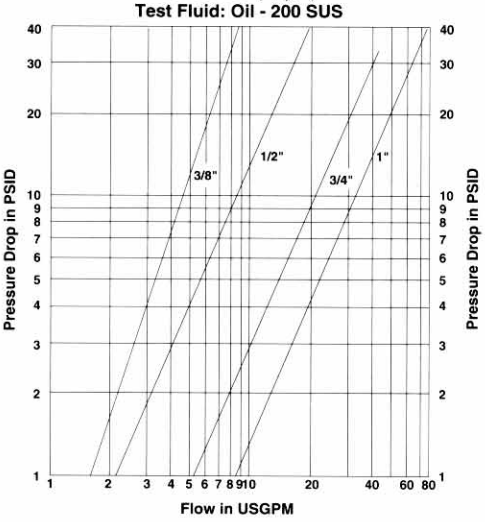
1. Large flow areas machined into the body of the coupler and nipple facilitate flow around the valve, for a high flow capacity.
2. Positive valve stop. The perch maintains valve alignment and provides metal to metal valve stop to ensure that the valves open fully, every time.
3. Captive valve seal assures "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. 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. Stainless Steel versions feature Teflon™ 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.
5. 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.
6. Manufactured from brass, and stainless steel as standard materials. A wide range of seals allow these couplings to be used with a broad range of media.
7. Industry-wide interchangeability. Parker 60 Series couplers and nipples are the "Industrial Interchange" design and meet the dimensional requirements of Series B in ISO 7241-1.
8. Also available with a Straight Thread (ORB) end configuration available as standard, for reduced leakage.

Performance

60 Series (1/8;1/4")
Test Fluid: Oil - 200 SUS



60 Series (3/8;1")
Test Fluid: Oil - 200 SUS



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