



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 materials are Buna-N (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

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|---|----------------------|------|------|------|------|------|-------|-------|---|------|------|------|------|------|-------|-------|
| 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: Buna-N: -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. | | | | | | | | | | | | | | | | |

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|------------------------|-----|-----|-----|-----|-----|----|-------|-------|
| 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 |