

Hydraulic Quick Couplings

Connect Under Pressure

8200 Series

Push/Pull/Breakaway Sleeve

Accepts ISO 5675 nipples



Parker's 8200 Series unique valve design allows connection while either or both the coupler and nipple are under pressure. Valves in both halves remain closed, opening only when system pressure has been relieved on the female body and then reapplied. This pressure sequence may be done with either an open center or a closed center hydraulic system that has a control valve.

Features:

- Accepts ISO 5675 universal tips
- Connect under system pressure on the coupler side and residual pressure on the nipple side
- Sleeve designed to accommodate bracket mounting
- One-handed push-to-connect operation when coupler is clamp mounted
- 1/2" body size couplers are compatible with 5001-4 and 5006-4 breakaway clamps
- Critical parts are hardened
- Protective zinc plating with clear trivalent chromate finish

Applications include:

- Tractors
- Mid-sized agricultural equipment
- Agricultural attachments requiring breakaway

B Hydraulics

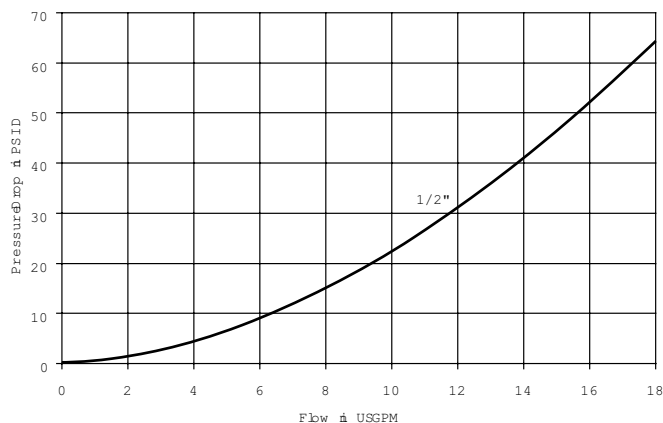


8200 Series Specifications

| Body Size | Rated Flow | Rated Pressure | Temperature | Body Material | Sleeve Type | Seal Material |
|-----------|------------|----------------|-------------------|---------------|----------------------|---------------|
| 1/2 | 12 gpm | 3000 psi | -40° F to +250° F | Steel | Push/pull/break away | Nitrile |

Performance

8200 Series (1/2")
Test Fluid: Oil - 200 SUS



Optional Seal Materials:

(add code to part number)

| Code | Description | Part Number Example |
|----------|--|---------------------|
| suffix W | Ethylene Propylene seal material- EPR (Couplers) | 8250-15W |
| suffix Y | Fluorocarbon seal material (Couplers) | 8250-15Y |
| suffix Z | Neoprene seal material (Couplers) | 8250-15Z |

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.





8200 Series Couplers - Female Thread



| Body Size | Coupler Part Number | Port End | Valve Type | Length | Largest Diameter | Wrench Flats | Weight (lbs.) | Complete Coupling Part Number |
|-----------|---------------------|-------------|------------|--------|------------------|--------------|---------------|-------------------------------|
| 1/2 | 8250-4 | 1/2-14 NPSF | Poppet | 3.29 | 1.50 | 0.87 | 0.63 | 8200-4 |
| 1/2 | 8250-15 | 3/4-16 ORB | Poppet | 3.29 | 1.50 | 0.87 | 0.63 | 8200-15 |
| 1/2 | 8250-16 | 7/8-14 ORB | Poppet | 3.29 | 1.50 | 0.87 | 0.63 | 8200-16 |

8010 Series Nipples - Female Thread



| Body Size | Nipple Part Number | Port End | Valve Type | Length | Largest Diameter | Wrench Flats | Weight (lbs.) | Complete Coupling Part Number |
|-----------|--------------------|-------------|------------|--------|------------------|--------------|---------------|-------------------------------|
| 1/2 | 8010-4 | 1/2-14 NPTF | Ball | 1.95 | 1.23 | 1.06 | 0.20 | 8200-4 |
| 1/2 | 8010-4P | 1/2-14 NPTF | Poppet | 1.95 | 1.23 | 1.06 | 0.20 | - |
| 1/2 | 8010-15 | 3/4 -16 ORB | Ball | 1.95 | 1.23 | 1.06 | 0.20 | 8200-15 |
| 1/2 | 8010-15P | 3/4 -16 ORB | Poppet | 1.95 | 1.23 | 1.06 | 0.20 | - |
| 1/2 | 8010-16 | 7/8 -14 ORB | Ball | 1.95 | 1.23 | 1.06 | 0.25 | 8200-16 |
| 1/2 | 8010-16P | 7/8 -14 ORB | Poppet | 1.95 | 1.23 | 1.06 | 0.25 | - |

8200 Series Replacement Parts

| Body Size | Part Number | Description | Material |
|-----------|----------------|-------------|----------|
| 1/2 | 50005-211-0200 | O-Ring | Nitrile |

8200 Series Dust Caps and Plugs



| Body Size | Dust Plug | Color/Material | Dust Cap | Weight (lbs.) |
|-----------|------------|----------------|------------|---------------|
| 1/2 | 5205-4M | Black Rubber | 5209-4M | .04 |
| 1/2 | 5005-4 | Steel w/Chain | 5009-4 | .21 |
| 1/2 | 5205-4M-BU | Blue Rubber | 5209-4M-BU | .04 |
| 1/2 | 5205-4M-GR | Green Rubber | 5209-4M-GR | .04 |
| 1/2 | 5205-4M-RE | Red Rubber | 5209-4M-RE | .04 |
| 1/2 | 5205-4M-YE | Yellow Rubber | 5209-4M-YE | .04 |