

# Pneumatic Quick Couplings

## General Purpose

# 10 Series Couplers

## Tru-Flate Design

Manual sleeve, single shut off



Parker's 10 Series Pneumatic Couplers are the original Tru-Flate design. 1/4" body size has a brass body, while standard 3/8" and 1/2" body sizes have all steel construction. Sleeve options include Sleeve-Lok and Grip-Ring sleeve.

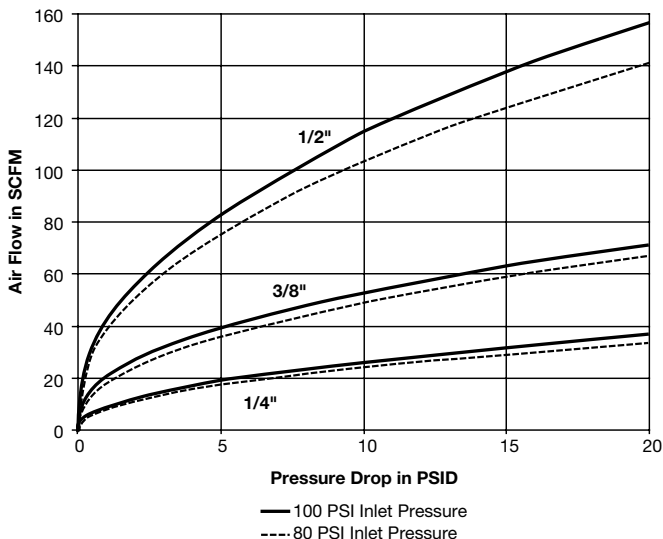
### Features:

- Integral sleeve guard resists accidental disconnection
- Tubular valve delivers high air flow with minimal pressure drop
- 3/8" and 1/2" size options include brass body with steel sleeve
- Brass body option with stainless steel springs and locking balls is available for added corrosion resistance
- Standard seal is Nitrile

### Applications include:

- Air compressors
- Pneumatic tools
- Water
- Grease
- Paint

**Performance** 10 Series (1/4", 3/8", 1/2" sizes)



| 10 Series Specifications      |                 |         |         |
|-------------------------------|-----------------|---------|---------|
| Body Size                     | 1/4             | 3/8     | 1/2     |
| Rated Pressure (psi)          | 300             |         |         |
| Temperature Range (std seals) | -40° to +250° F |         |         |
| Locking Device                | 4 balls         | 8 balls | 8 balls |
| Vacuum Data (in. Hg.)         | —               |         |         |
| Disconnected (coupler only)   | Not Recommended |         |         |
| Connected                     | 27.4            |         |         |

| Repair Kits |                    |          |
|-------------|--------------------|----------|
| Body Size   | Seal Material      | Part No. |
| 1/4         | Nitrile            | 21K      |
| 1/4         | Ethylene Propylene | 21KW     |
| 1/4         | Fluorocarbon       | 21KY     |
| 3/8         | Nitrile            | 14K      |
| 3/8         | Ethylene Propylene | 14KW     |
| 3/8         | Fluorocarbon       | 14KY     |
| 1/2         | Nitrile            | 16K      |
| 1/2         | Ethylene Propylene | 16KW     |
| 1/2         | Fluorocarbon       | 16KY     |

### Optional Materials and Features:

(add code to part number)

| Code              | Description  | Part Number Example |
|-------------------|--|---------------------|
| prefix <b>B</b>   | Brass body (Couplers - 3/8" & 1/2" sizes only)                   | B14F                |
| suffix <b>N</b>   | Stainless steel springs, locking balls & brass valves (Couplers) | B15N                |
| suffix <b>-SL</b> | Sleeve-Lok (Couplers)  | 15-SL               |
| suffix <b>R</b>   | Grip Ring sleeve (Couplers)                                      | 15R                 |
| suffix <b>W</b>   | Ethylene Propylene seal material (-65° to + 400° F) (Couplers)   | B15W                |
| suffix <b>Y</b>   | Fluorocarbon seal material (-30° to + 400° F) (Couplers)         | B15Y                |

Contact QCD for availability and additional options.  
To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



**Nipples- Push-Lok Hose Barb\***



| Body Size | Part No. Steel | Hose I.D. | Length | Exposed Length** | Largest Diameter | Weight (lbs) |
|-----------|----------------|-----------|--------|------------------|------------------|--------------|
| 1/4       | 8CP            | 1/4       | 1.66   | 0.93             | 0.45             | 0.04         |
| 1/4       | 9CP            | 3/8       | 1.98   | 1.25             | 0.86             | 0.05         |
| 3/8       | 5EP            | 3/8       | 1.98   | 1.06             | 0.59             | 0.08         |
| 1/2       | H4FP           | 3/8       | 2.52   | 1.27             | 0.86             | 0.11         |
| 1/2       | H5FP           | 1/2       | 2.66   | 1.42             | 0.97             | 0.11         |

\* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

\*\*This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 10 Series coupler

**Couplers- Female Pipe Thread**



| Body Size | Part No. Brass | Part No. Steel | Thread Size | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|----------------|----------------|-------------|--------|------------------|--------------|--------------|
| 1/4       | B13A           | -              | 1/8-27 NPTF | 1.83   | 0.90             | 0.75         | 0.19         |
| 1/4       | B13            | -              | 1/4-18 NPTF | 1.83   | 0.90             | 0.75         | 0.19         |
| 1/4       | B13E           | -              | 3/8-18 NPTF | 1.95   | 0.94             | 0.81         | 0.31         |
| 3/8       | -              | 15C            | 1/4-18 NPTF | 2.22   | 1.06             | 0.88         | 0.30         |
| 3/8       | B15*           | 15             | 3/8-18 NPTF | 2.28   | 1.06             | 0.88         | 0.34         |
| 3/8       | -              | 15F            | 1/2-14 NPTF | 2.55   | 1.16             | 1.00         | 0.46         |
| 1/2       | -              | 17E            | 3/8-18 NPTF | 2.74   | 1.19             | 1.00         | 0.46         |
| 1/2       | B17*           | 17             | 1/2-14 NPTF | 2.96   | 1.19             | 1.00         | 0.50         |
| 1/2       | -              | 17G            | 3/4-14 NPTF | 3.19   | 1.44             | 1.25         | 0.20         |

\* Coupler has brass body and steel sleeve.

**Couplers- Male Pipe Thread**



| Body Size | Part No. Brass | Part No. Steel | Thread Size | Length | Largest Diameter | Wrench Flats | Weight (lbs) |
|-----------|----------------|----------------|-------------|--------|------------------|--------------|--------------|
| 1/4       | B12A           | -              | 1/8-27 NPTF | 1.89   | 0.90             | 0.75         | 0.17         |
| 1/4       | B12            | -              | 1/4-18 NPTF | 2.05   | 0.90             | 0.75         | 0.18         |
| 1/4       | B12E           | -              | 3/8-18 NPTF | 2.08   | 0.90             | 0.75         | 0.19         |
| 3/8       | -              | 14C            | 1/4-18 NPTF | 2.36   | 1.06             | 0.88         | 0.26         |
| 3/8       | B14*           | 14             | 3/8-18 NPTF | 2.39   | 1.06             | 0.88         | 0.27         |
| 3/8       | -              | 14F            | 1/2-14 NPTF | 2.55   | 1.06             | 0.88         | 0.28         |
| 1/2       | -              | 16E            | 3/8-18 NPTF | 2.93   | 1.19             | 1.00         | 0.42         |
| 1/2       | B16*           | 16             | 1/2-14 NPTF | 3.08   | 1.19             | 1.00         | 0.45         |
| 1/2       | -              | 16G            | 3/4-14 NPTF | 3.21   | 1.30             | 1.13         | 0.50         |

\* Coupler has brass body and steel sleeve.