## Pneumatic Quick Couplings

| | Coupler Style | Interchange | Body Size (in.) | Material* B | SS | S | P | Locking Mechanism | Std. Seal** Material | Std. Seal* Temp Range | Rated Pressure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Purpose – Manual Connect** | | | | | | | | | | | |
| 10 Series | Manual | Tru-Flate | 1/4 to 1/2 | ● | | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| 20 Series [1] | Manual | Industrial | 1/4 to 1/2 | ● | ● | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| 50 Series | Manual | ARO 210 | 1/4 | ● | | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| 70 Series | Manual | Lincoln (long stem) | 1/4 | ● | | | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| **General Purpose – Push-To-Connect** | | | | | | | | | | | |
| RF Series | Push to Connect | CEJN 320/410 Rectus 25/27 | 1/4 | ● | | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| HF Series | Push to Connect | Industrial | 1/8[2] to 1/2 | ● | | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| 30 Series | Push to Connect | Industrial | 1/4 to 3/4 | ● | | | | Pawl | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| HA Series | Push to Connect | ARO 210 | 1/4 | ● | | | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| Twist Lock | Push to Connect | Schrader | 1/4 to 1/2 | ● | | ● | | Cam | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| Universal | Push to Connect | Industrial Tru-Flate ARO 210 | 1/4 | ● | | | | Ball | Buna-N (Nitrile) | -40° to +250° F | 150 PSI |
| **Special Purpose – Push-To-Connect** | | | | | | | | | | | |
| E-z-mate Series | Exhaust/ Push to Connect | Industrial | 1/4 to 3/4 | | | ● | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| CJ Series | Push to Connect | CEJN 342/343 | 1/4 | ● | | | | Ball | Buna-N (Nitrile) | -40° to +250° F | 150 PSI |
| Tool-Mate Series | Push to Connect/ Exhaust & Std | Industrial & CEJN 320 / Rectus 25 | 1/4 to 1/2 | | | ●[3] | ● | Fingers | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |
| SC Series | Push to Connect/ Manual/Swivel | Industrial | 1/4 | ● | | | | Ball | Buna-N (Nitrile) | -40° to +250° F | 300 PSI |

### Checklist for Selecting Quick Couplings

- ❑ What are the functional requirements of the coupling?
- ❑ What is the maximum working pressure of the application?
- ❑ Which seals and body material are compatible with the system's fluid?
- ❑ Is the application static or dynamic?
- ❑ What size coupler is required?
- ❑ What is the maximum pressure drop suitable for the application?
- ❑ Does the application require the ability to connect and disconnect under pressure?
- ❑ What is the media temperature and ambient temperature?
- ❑ What end configurations are required?
- ❑ Is an industry interchange coupler required?
- ❑ Is air inclusion and fluid loss a concern in the application?

Material Code: B = Brass; SS = Stainless Steel; S = Steel; P= Plastic

**1** 20 Series Stainless Steel available in 1/4" and 3/8" body.

**2** 1/8 " couplings have no standard industry interface.

**3** Tool-Mate metal end ports are Galvanized Steel.

| Coupling Material |
|---|
| **Coupler**<br>• Prefix "B" for Brass - available for 3/8 & 1/2" body sizes only<br>• Suffix "N" for Stainless Steel springs, locking balls and brass valves. (10, 20, 30, 50, and 70 series only) |
| **Nipple**<br>• Prefix "B" for Brass (Standard material is steel) |

**** Optional Seals**

| Material* | Suffix | TEMP Range |
|---|---|---|
| Ethylene Propylene | W | -65° to +400° F |
| Fluorocarbon | Y | -30° to +400° F |

*To select proper seal materials, see Fluid Compatibility Chart in Appendices section, or contact your Parker Quick Coupling Distributor.