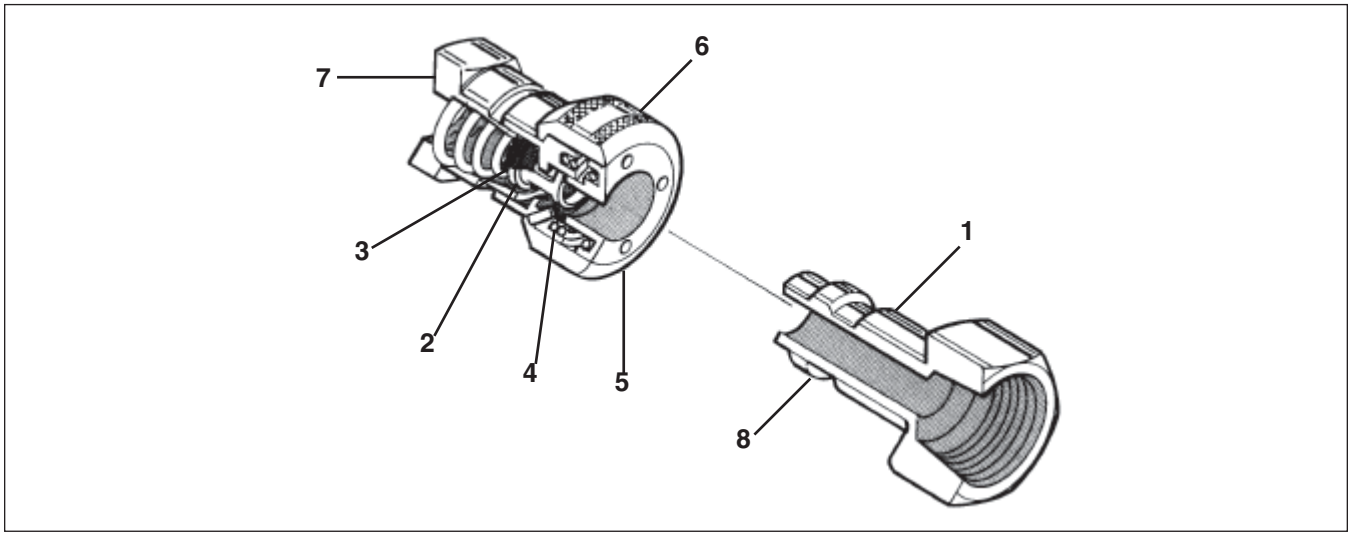



### Component Part Features

1. Precision machining, hardened wear points* and solid bar stock construction provide long life even in rugged applications.
2. Tubular valve with large flow passages delivers high flow with minimum pressure drop for efficient performance. The tubular design provides 360° support for both the valve seal and the mating nipple for long service life.
3. Precision molded seals form a “bubble tight” seal for reliable operation within rated working pressures. Standard seal material is Nitrile. Ethylene Propylene, Fluorocarbon and Neoprene are available as options.
4. Locking pawls (pins) constructed of stainless steel create a durable locking mechanism that provides alignment and evenly distributes loads.
5. Push-to-connect design permits one-handed connection when the coupler half is rigidly mounted.
6. Knurling on the sleeve provides a gripping surface for ease of operation.
7. Wide range of end terminations are available to meet specific needs. Parker push type couplings are available with male pipe thread, female pipe thread, standard hose barb, and Push-Lok hose barb**.
8. Parker 30 Series couplings mate with industrial interchange design nipples. See Table of Contents.

* steel nipples only

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

## Features

- Parker 30 Series couplers are designed for rigid mounting that allows a simple push-to-connect operation.
- Constructed of a solid brass body and a steel valve, 30 Series couplers are noted for their high flow capability, reliability and rugged design.
- Parker 30 Series couplers accept industrial interchange nipples manufactured by Parker and other manufacturers.
- Standard seal material is Nitrile. See Ordering Information at the beginning of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.

## Specifications

| Body Size (in.Z | 1/4 | 3/8 | 1/2 | 3/4 |
|---|---|---|---|---|
| Rated Pressure (PSI) | 300 | 300 | 300 | 300 |
| Temperature Range (Std. seals)* | -40° to +250° F. | | | |
| Locking Device | 3 pawls | 4 pawls | 5 pawls | 6 pawls |
| Vacuum Data (inches Hg) | | | | |
| Disconnected (coupler only) | **Not recommended** | | | |
| Connected | 27.4 | 27.4 | 27.4 | 27.4 |

* See Coupling Selection and Ordering Guide for Optional Seals.

## 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 |
| 3/4 | Nitrile | 38K |
| 3/4 | Ethylene Propylene | 38KW |
| 3/4 | Fluorocarbon | 38KY |

## How to Order Information

Available with Sleeve-Lok (See Coupler Options Section). To order, add the suffix *"-SL"* to part number, Example: B33-SL.

Brass valves are available for extra corrosion resistance. To specify a brass valve, add the suffix *"N"* to the regular part number. Example: B33N. A brass valve should be used for corrosive applications where steel parts are not suitable. Consult the factory for specific recommendations.

## Operation

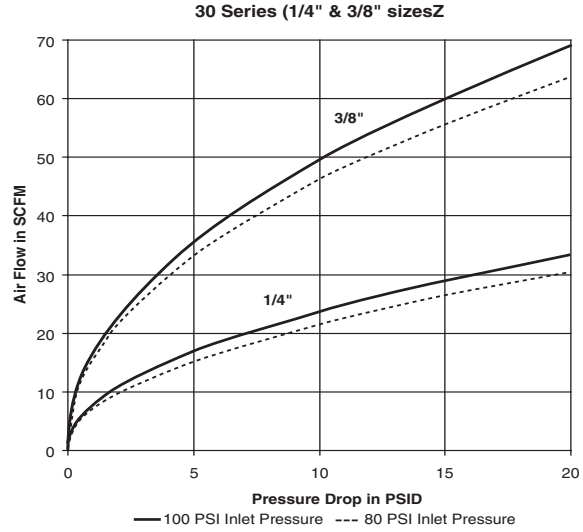
Push type couplings feature one handed "automatic" connection by pushing the nipple into the coupler–provided the coupler half is firmly mounted.

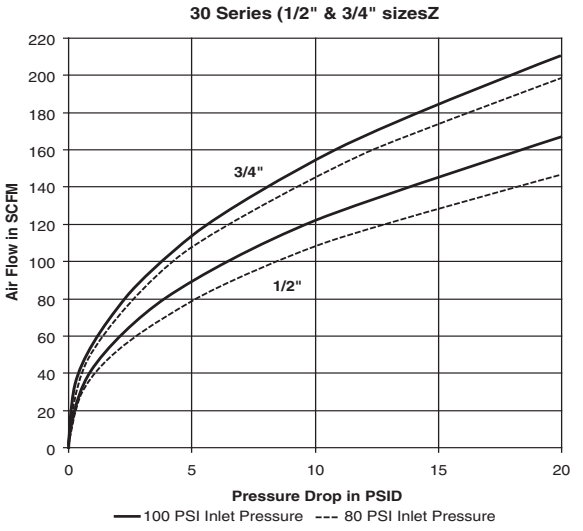
The locking mechanism of Parker 30 Series couplers consists of pawls (or pins) which act directly on the sleeve, thereby causing the sleeve to automatically retract when the mating nipple is inserted.

Sleeve must be manually retracted to remove the nipple.

30 Series couplings are push type Single Shut-Off couplings.

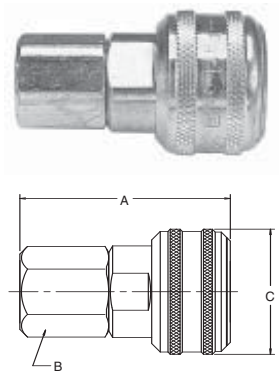
## Performance



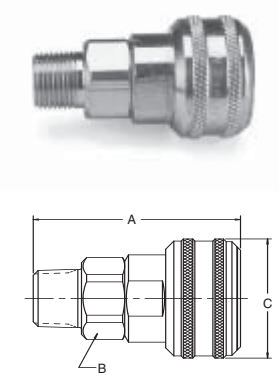
## Couplers

### Female Pipe Thread




| Body Size (in.Z | Part No. Brass | Thread Size NPTF | Dimensions (in.Z Overall Length | Hex Size | Largest Diameter | Wt. (LBZ P/Piece |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1/4 | B33A | 1/8-27 | 1.96 | 0.75 | 1.20 | 0.30 |
| 1/4 | B33 | 1/4-18 | 1.96 | 0.75 | 1.20 | 0.28 |
| 1/4 | B33E | 3/8-18 | 2.03 | 0.81 | 1.20 | 0.30 |
| 3/8 | B35C | 1/4-18 | 2.26 | 0.88 | 1.39 | 0.42 |
| 3/8 | B35 | 3/8-18 | 2.33 | 0.88 | 1.39 | 0.42 |
| 3/8 | B35F | 1/2-14 | 2.57 | 1.00 | 1.39 | 0.46 |
| 1/2 | B37E | 3/8-18 | 2.76 | 1.00 | 1.52 | 0.56 |
| 1/2 | B37 | 1/2-14 | 3.00 | 1.00 | 1.52 | 0.66 |
| 1/2 | B37G | 3/4-14 | 3.12 | 1.25 | 1.52 | 0.73 |
| 3/4 | B39F | 1/2-14 | 2.85 | 1.31 | 1.90 | 0.15 |
| 3/4 | B39 | 3/4-14 | 2.99 | 1.31 | 1.90 | 1.10 |
| 3/4 | B39J | 1-11 1/2 | 3.18 | 1.56 | 1.90 | 1.24 |

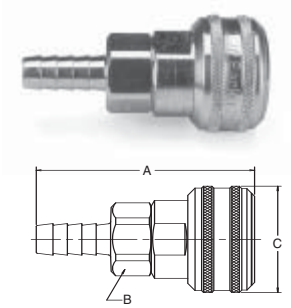
### Male Pipe Thread




| Body Size (in.Z | Part No. Brass | Thread Size NPTF | Dimensions (in.Z Overall Length | Hex Size | Largest Diameter | Wt. (LBZ P/Piece |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1/4 | B32A | 1/8-27 | 2.03 | 0.75 | 1.20 | 0.27 |
| 1/4 | B32 | 1/4-18 | 2.18 | 0.75 | 1.20 | 0.28 |
| 1/4 | B32E | 3/8-18 | 2.18 | 0.75 | 1.20 | 0.28 |
| 3/8 | B34C | 1/4-18 | 2.38 | 0.88 | 1.39 | 0.36 |
| 3/8 | B34 | 3/8-18 | 2.44 | 0.88 | 1.39 | 0.39 |
| 3/8 | B34F | 1/2-14 | 2.57 | 0.88 | 1.39 | 0.41 |
| 1/2 | B36E | 3/8-18 | 2.92 | 1.00 | 1.52 | 0.58 |
| 1/2 | B36 | 1/2-14 | 3.09 | 1.00 | 1.52 | 0.61 |
| 1/2 | B36G | 3/4-14 | 3.12 | 1.13 | 1.52 | 0.67 |
| 3/4 | B38 | 3/4-14 | 2.95 | 1.31 | 1.90 | 0.91 |
| 3/4 | B38J | 1-11 1/2 | 3.12 | 1.31 | 1.90 | 0.99 |

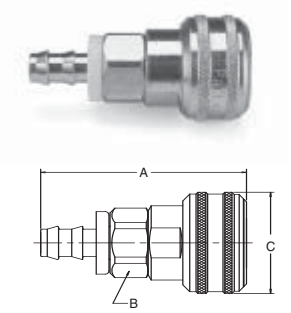
## Couplers

### Standard Hose Barb




| Body Size (in.Z | Part No. Brass | Hose I.D. | Dimensions (in.Z Overall Length | Hex Size | Largest Diameter | Wt. (LBZ P/Piece |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1/4 | B30-3B | 1/4 | 2.62 | 0.75 | 1.20 | 0.27 |
| 1/4 | B30-4B | 5/16 | 2.62 | 0.75 | 1.20 | 0.27 |
| 1/4 | B30-5B | 3/8 | 2.62 | 0.75 | 1.20 | 0.28 |
| 3/8 | B34-5B | 3/8 | 2.85 | 0.88 | 1.39 | 0.39 |
| 3/8 | B34-6B | 1/2 | 2.85 | 0.88 | 1.39 | 0.41 |
| 1/2 | B36-6B | 1/2 | 3.33 | 1.00 | 1.52 | 0.59 |
| 1/2 | B36-7B | 3/4 | 3.86 | 1.00 | 1.52 | 0.65 |
| 3/4 | B38-7B | 3/4 | 3.69 | 1.31 | 1.90 | 0.93 |
| 3/4 | B38-8B | 1 | 3.93 | 1.31 | 1.90 | 1.03 |

### Push-Lok Hose Barb*




| Body Size (in.Z | Part No. Brass | Hose I.D. | Dimensions (in.Z Overall Length | Hex Size | Largest Diameter | Wt. (LBZ P/Piece |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1/4 | B30-3BP | 1/4 | 2.45 | 0.75 | 1.20 | 0.27 |
| 1/4 | B30-5BP | 3/8 | 2.60 | 0.75 | 1.20 | 0.29 |
| 3/8 | B34-5BP | 3/8 | 2.82 | 0.88 | 1.39 | 0.40 |
| 1/2 | B36-6BP | 1/2 | 3.46 | 1.00 | 1.52 | 0.56 |

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



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