

## Pneumatic Quick Couplings

## General Purpose – Manual Connect

10 Series



### Features

- Parker 10 Series couplings are the original Tru-Flate design.
- This unique design has been field proven as a long lasting, high performance coupling especially when used with pneumatic tools.
- Standard seals are Nitrile. See the Coupling Selection and Ordering Information Guide 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
Rated Pressure (PSI)	300	300	300
Temperature Range (Std. seals)*	-40° to +250° F.		
Locking Device	4 balls	8 balls	8 balls
Vacuum Data (inches Hg)	<b>Not recommended</b>		
Disconnected (coupler only)	<b>Not recommended</b>		
Connected	27.4	27.4	27.4

\* See Coupling Selection and Ordering Guide for Optional Seals  
See **Coupling Repair Kits** Table on introduction page to General Purpose - Manual Connect Couplers.

### Applications

Sleeve type couplings are widely used to connect air lines and can also be used with low pressure fluids.

Their compact and economical design uses a ball locking mechanism consisting of captive steel balls that engage the locking groove on the mating nipple. The sliding spring loaded sleeve on the coupler must be manually retracted in order to connect or disconnect the nipple. It is easy to do, but two hands are normally required.

Common applications include: compressed air, water, grease, paint, limited vacuum and limited gases.

### How to Order Information

The standard 1/4" 10 Series features a brass coupler with a steel valve. Larger sizes include an all steel construction with brass also available. To order a 3/8" or 1/2" coupler with a brass body and steel sleeve, add the prefix "B" to the steel part number, Example: B15.

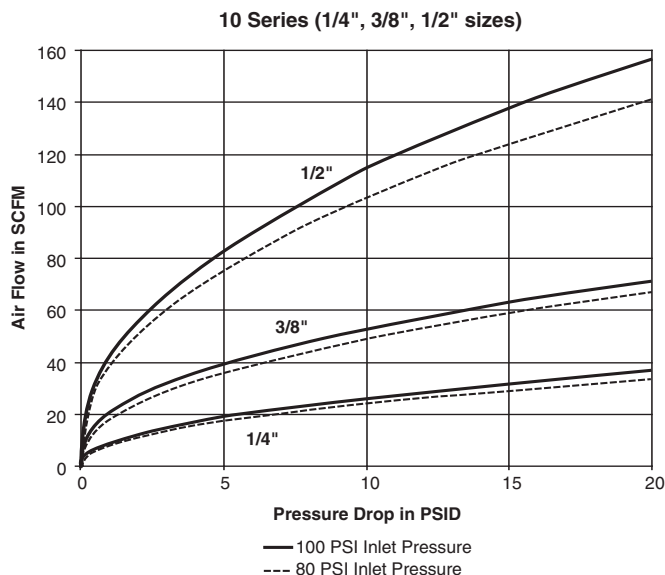
Add the suffix "N" as well as the "B" prefix to order an all brass coupler with stainless steel locking balls and springs, Example: B15N.

All-brass couplings should be used to avoid corrosion from moisture. Consult factory for specific recommendations.

Available with Sleeve-Lok (See Coupler Options). To order, add the suffix "SL" to the part number, Example: 15-SL.

Available for 1/4" 10 Series couplers is a Grip-Ring Sleeve (See Coupler Options). To order add the suffix "R" to the part number, Example: B13R.

### Performance



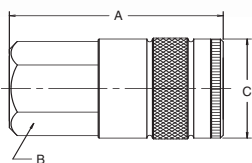
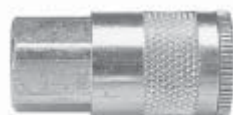
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### General Purpose – Manual Connect

#### 10 Series

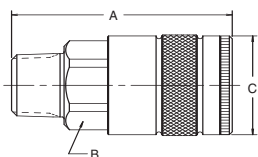
#### Couplers

##### Female Pipe Thread



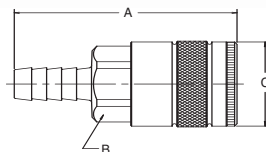
Body Size (in.Z)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B13A	–	1/8-27	1.83	0.75	0.90	0.19
1/4	B13	–	1/4-18	1.83	0.75	0.90	0.19
1/4	B13E	–	3/8-18	1.95	0.81	0.94	0.31
3/8	–	15C	1/4-18	2.22	0.88	1.06	0.30
3/8	B15	15	3/8-18	2.28	0.88	1.06	0.34
3/8	–	15F	1/2-14	2.55	1.00	1.16	0.46
1/2	–	17E	3/8-18	2.74	1.00	1.19	0.46
1/2	B17	17	1/2-14	2.96	1.00	1.19	0.50
1/2	–	17G	3/4-14	3.19	1.25	1.44	0.20

##### Male Pipe Thread



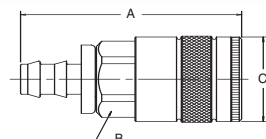
Body Size (in.Z)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B12A	–	1/8-27	1.89	0.75	0.90	0.17
1/4	B12	–	1/4-18	2.05	0.75	0.90	0.18
1/4	B12E	–	3/8-18	2.08	0.75	0.90	0.19
3/8	–	14C	1/4-18	2.36	0.88	1.06	0.26
3/8	B14	14	3/8-18	2.39	0.88	1.06	0.27
3/8	–	14F	1/2-14	2.55	0.88	1.06	0.28
1/2	–	16E	3/8-18	2.93	1.00	1.19	0.42
1/2	B16	16	1/2-14	3.08	1.00	1.19	0.45
1/2	–	16G	3/4-14	3.21	1.13	1.30	0.50

##### Standard Hose Barb



Body Size (in.Z)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B10-3B	–	1/4	2.49	0.75	0.90	0.18
1/4	B10-4B	–	5/16	2.49	0.75	0.90	–
1/4	B10-5B	–	3/8	2.49	0.75	0.90	0.18
3/8	–	14-5B	3/8	2.86	0.88	1.06	0.26
3/8	–	14-6B	1/2	3.08	0.88	1.06	0.27
1/2	–	16-5B	3/8	3.37	1.00	1.19	0.41
1/2	–	16-6B	1/2	3.62	1.00	1.19	0.43
1/2	–	16-7B	3/4	3.96	1.00	1.19	0.48

##### Push-Lok Hose Barb\*



Body Size (in.Z)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B10-3BP	–	1/4	2.32	0.75	0.90	0.19
1/4	B10-5BP	–	3/8	2.47	0.75	0.90	0.19
3/8	–	14-5BP	3/8	2.88	0.88	1.06	0.26
1/2	–	16-5BP	3/8	3.35	1.00	1.19	0.40
1/2	–	16-6BP	1/2	3.46	1.00	1.19	0.43

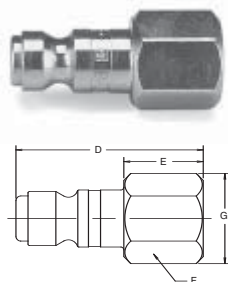
\* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

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### Nipples

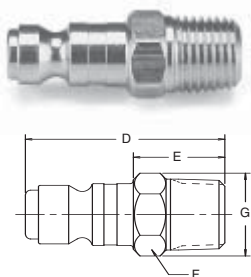
#### Female Pipe Thread



Body Size (in.Z)	Part No. Brass	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.Z)				Wt. (LBZ P/Piece)
					Exposed Length*	Hex Size	Largest Diameter		
				D	E	F	G		
1/4	–	1C	1/8-27	1.28	0.55	0.50	0.58	0.05	
1/4	B3C	3C	1/4-18	1.47	0.74	0.62	0.72	0.05	
1/4	–	3C-E	3/8-18	1.50	0.77	0.81	0.94	0.07	
3/8	–	1E	1/4-18	1.60	0.67	0.62	0.72	0.07	
3/8	–	3E	3/8-18	1.68	0.77	0.81	0.94	0.10	
1/2	–	1F	3/8-18	2.05	0.83	0.81	0.94	0.13	
1/2	–	3F	1/2-14	2.27	1.05	1.00	1.16	0.18	
1/2	–	H3F-G	3/4-14	2.38	1.13	1.25	1.44	0.26	

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

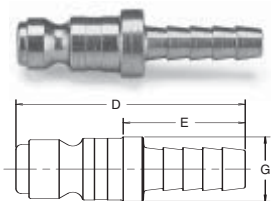
#### Male Pipe Thread



Body Size (in.Z)	Part No. Brass	Part No. Steel	Part No. Type 303 Stainless	Thread Size NPTF	Overall Length	Dimensions (in.Z)				Wt. (LBZ P/Piece)
						Exposed Length*	Hex Size	Largest Diameter		
					D	E	F	G		
1/4	–	0C	–	1/8-27	1.47	0.74	0.50	0.58	0.04	
1/4	B2C	2C	S2C	1/4-18	1.62	0.89	0.56	0.65	0.06	
1/4	–	2C-E	–	3/8-18	1.72	0.99	0.69	0.80	0.05	
3/8	–	0E	–	1/4-18	1.88	0.95	0.62	0.72	0.08	
3/8	–	2E	–	3/8-18	1.90	0.98	0.69	0.80	0.09	
1/2	–	0F	–	3/8-18	2.33	1.12	0.69	0.79	0.13	
1/2	–	2F	–	1/2-14	2.48	1.27	0.88	1.01	0.17	
1/2	–	H2F-G	–	3/4-14	2.53	1.29	1.13	1.30	0.24	

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

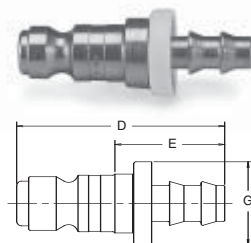
#### Standard Hose Barb



Body Size (in.Z)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Exposed Length*	Largest Diameter		
			D	E	G		
1/4	8C	1/4	1.63	.090	0.45	0.04	
1/4	9C	3/8	2.00	1.27	0.55	0.05	
3/8	5E	3/8	1.81	0.89	0.59	0.07	
1/2	H4F	3/8	2.53	1.29	0.69	0.08	
1/2	5F	1/2	2.81	1.60	0.81	0.11	
1/2	H5F-G	3/4	3.16	1.91	0.94	0.18	

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

#### Push-Lok Hose Barb\*\*



Body Size (in.Z)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.Z)			Wt. (LBZ P/Piece)
				Exposed Length*	Largest Diameter		
			D	E	G		
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	

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

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