

# *Pneumatic Quick Couplings*

**Pneumatic Quick Couplings**

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**Single Shut-Off Couplings**

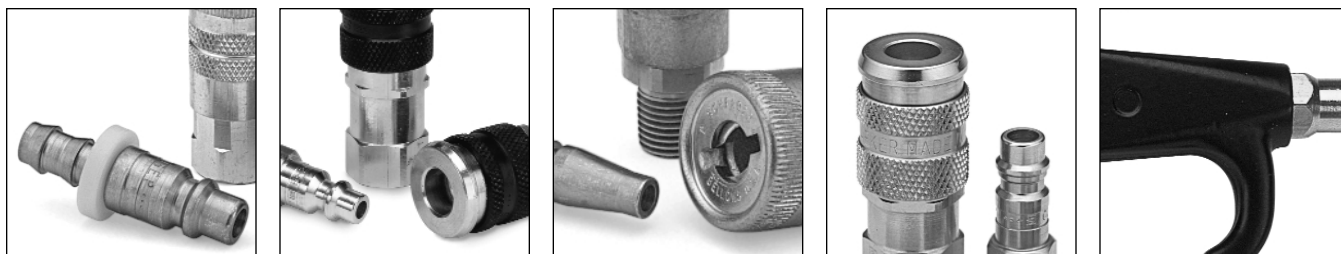
Single Shut-Off couplings are primarily used for pneumatic applications, connecting air tools, hoses, or other implements to compressed air supplies. They are also used with other gases, and with the exception of the E-z-mate Series can be used with low pressure fluids. The coupler half contains a shut-off valve that is automatically opened when a mating nipple is inserted and automatically closes when the nipple is removed.

Parker Single Shut-Off couplings come in three basic designs: general purpose/manual connect, general purpose/push-to-connect, and special purpose.

The standard seal material for all Parker Single Shut-Off couplers is Nitrile. Ethylene Propylene, Fluorocarbon, and Neoprene seals are available as options. See the comprehensive Fluid Compatibility Chart that provides guidelines for seal and body material selection. When there is need for further assistance in selecting the appropriate seal material, please consult factory.

# Pneumatic Quick Couplings

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# Pneumatic Quick Couplings

	Coupler Style	Interchange	Body Size (in.)	Material				Locking Mechanism	Std. Seal Material	Temp Range**	Rated Pressure
				B	SS	S*	P				
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 †	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 and RF No-Mar™	Push to Connect	RF	1/4	●		●		Ball	Buna-N (Nitrile)	-40° to +250° F	300 PSI
HF Series and HF No-Mar™	Push to Connect	Industrial	1/8*** to 3/8	●		●		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
50A 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)	-10° to +165° F	250 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 & E-z-mate No-Mar™	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
DM Series	Push to Connect/ Double Shut-Off	DM	1/8	●				Ball	Fluorocarbon	-15° to +390° F	250 PSI
Tool-Mate Series	Push to Connect/ Exhaust & Std	Industrial & RF	1/4 to 1/2			●	●	Fingers	Buna-N (Nitrile)	-40° to +250° F	300 PSI
SC Series	Push to Connect/ Manual/Swivel	Industrial & by Request▲	1/4	●				Ball	Buna-N (Nitrile)	-40° to +250° F	▲

## 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?

\* Steel Parts are zinc plated with yellow chromate coating for extra corrosion resistance

\*\* with Standard Seals

\*\*\* 1/8" couplings have no standard industry interface

CODE: B = Brass; SS = Stainless Steel; S = Steel; P = Plastic

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

▲ Contact the division for coupler interchanges that can be incorporated and for the specific rated pressure for the selected coupler.

# Pneumatic Quick Couplings

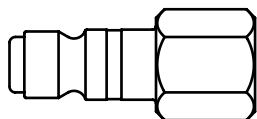
## Interchange Match-up Chart

### Popular Coupling Designs

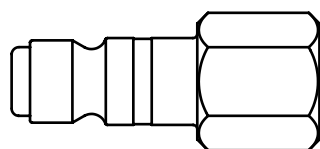
Parker's Quick Coupling Division manufactures quick couplings to interchange with popular designs that have become accepted standards in the industry today. The actual

size nipple chart below can be used to help select Parker Quick Couplings that will interchange with specific nipple designs and sizes.

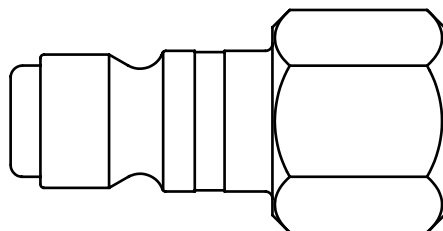
#### 10 Series (Tru-Flate Interchange)



1/4" Body Size

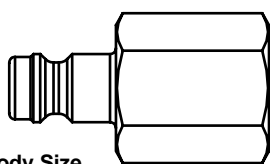


3/8" Body Size



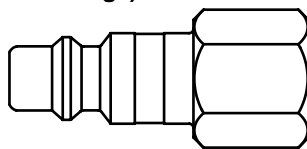
1/2" Body Size

#### 1/8" HF Series, DM Series

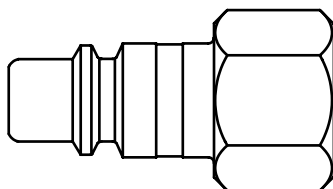


1/8" Body Size

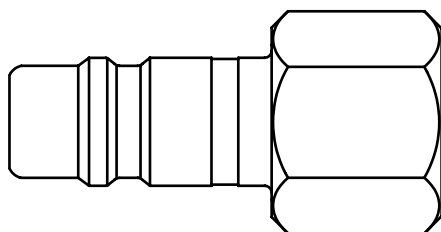
#### 20 Series, 30 Series, HF Series, E-z-mate (Industrial Interchange)



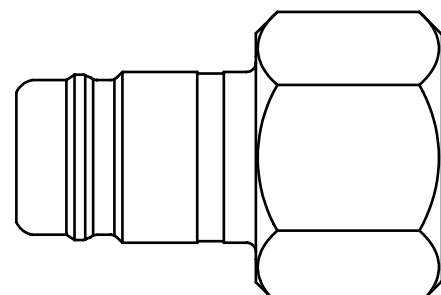
1/4" Body Size



3/8" Body Size

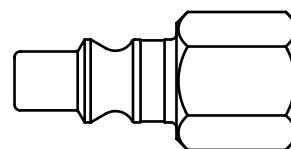


1/2" Body Size



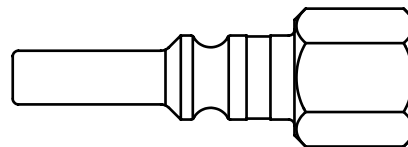
3/4" Body Size

#### 50 Series (ARO-210 Interchange)



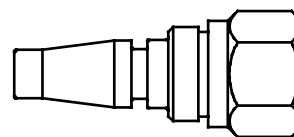
1/4" Body Size

#### 70 Series (Lincoln Interchange)



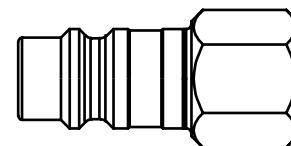
1/4" Body Size

#### Twist-Lock (Schrader Interchange)



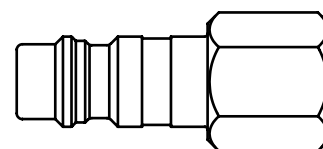
1/4" Body Size

#### RF Series



1/4" Body Size

#### CJ Series (CEJN 342/343 Interchange)



1/4" Body Size

## Pneumatic Quick Couplings

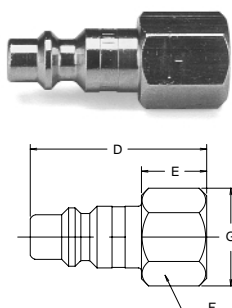
## Industrial Interchange § Nipples

### Features

- Parker Industrial Interchange § nipples are for use with any Parker 20 Series, HF Series, 30 Series, Universal, HF or E-z-mate couplers.
- Parker Industrial Interchange § nipples are interchangeable with similar nipples manufactured by other quick coupling manufacturers conforming to A-A-59439 (formerly known as MIL-C4109), ANSI/(NFPA) T3.20.14-1990, or ISO6150-B requirements.
- Hardened wear points\*\* and solid barstock construction provide extended service life.
- Precision machined surfaces and hardened load-bearing areas\*\* resist the effects of mechanical shock in the most rugged applications.
- The 20 Series, HF Series, 30 Series, Universal and E-z-mate couplers that mate with the Industrial Interchange § nipples are located in their respective coupling "Type" (e.g. Manual Type) as noted in the Table of Contents.

\*\* steel nipples only

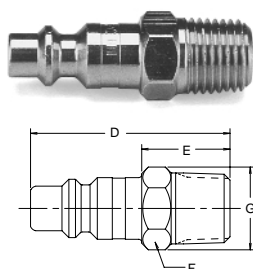
### Female Pipe Thread



Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.)				Wt. (LB.) P/Piece
					Exposed Length*	Hex Size	Largest Diameter		
				D	E	F	G		
1/4	—	H1C	1/8-27	1.38	0.61	0.50	0.58	0.03	
1/4	BH3C	—	1/4-18	1.56	0.80	0.62	0.72	0.05	
1/4	—	H3C	1/4-18	1.56	0.80	0.62	0.72	0.05	
1/4	—	H3C-E	3/8-18	1.60	0.83	0.81	0.94	0.08	
3/8	—	H1E	1/4-18	1.60	0.65	0.62	0.72	0.06	
3/8	BH3E	—	3/8-18	1.69	0.74	0.81	0.94	0.10	
3/8	—	H3E	3/8-18	1.69	0.74	0.81	0.94	0.09	
3/8	—	H3E-F	1/2-14	1.84	0.90	1.00	1.16	0.13	
1/2	—	H1F	3/8-18	2.03	0.79	0.81	0.94	0.12	
1/2	BH3F	—	1/2-14	2.25	1.01	1.00	1.16	0.19	
1/2	—	H3F	1/2-14	2.25	1.01	1.00	1.16	0.17	
1/2	—	H3F-G	3/4-14	2.38	1.13	1.25	1.44	0.26	
3/4	—	H3G-F	1/2-14	2.22	1.06	1.31	1.52	0.23	
3/4	—	H3G	3/4-14	2.22	1.06	1.31	1.52	0.34	
3/4	—	H3G-J	1-11 1/2	2.41	1.25	1.56	1.80	0.47	

\*This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 20 Series coupler.

### Male Pipe Thread



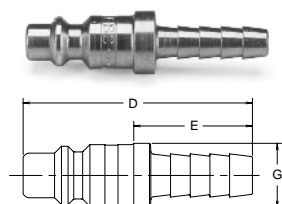
Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.)				Wt. (LB.) P/Piece
					Exposed Length*	Hex Size	Largest Diameter		
				D	E	F	G		
1/4	—	H0C	1/8-27	1.56	0.80	0.50	0.58	0.05	
1/4	BH2C	—	1/4-18	1.72	0.95	0.56	0.65	0.06	
1/4	—	H2C	1/4-18	1.72	0.95	0.56	0.65	0.05	
1/4	—	H2C-E	3/8-18	1.81	1.05	0.69	0.80	0.07	
3/8	—	H00E	1/8-27	1.72	0.77	0.62	0.72	0.08	
3/8	—	H0E	1/4-18	1.88	0.93	0.62	0.72	0.08	
3/8	BH2E	—	3/8-18	1.91	0.96	0.69	0.80	0.09	
3/8	—	H2E	3/8-18	1.91	0.96	0.69	0.80	0.09	
3/8	—	H2E-F	1/2-14	2.12	1.18	0.88	1.02	0.15	
1/2	—	H0F	3/8-18	2.31	1.07	0.69	0.79	0.16	
1/2	BH2F	—	1/2-14	2.48	1.22	0.88	1.01	0.18	
1/2	—	H2F	1/2-14	2.48	1.22	0.88	1.01	0.16	
1/2	—	H2F-G	3/4-14	2.53	1.29	1.13	1.30	0.24	
3/4	—	H2G-F	1/2-14	2.32	1.16	1.00	1.16	0.22	
3/4	BH2G	—	3/4-14	2.38	1.22	1.06	1.22	0.28	
3/4	—	H2G	3/4-14	2.38	1.22	1.06	1.22	0.25	
3/4	—	H2G-J	1-11 1/2	2.56	1.40	1.31	1.52	0.36	

\*This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 20 Series coupler.

## Pneumatic Quick Couplings

## Industrial Interchange & Nipples

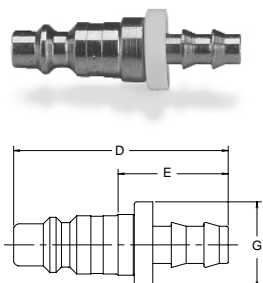
### Standard Hose Barb



Body Size (in.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimension (in.)			Wt. (LB.) P/Piece
				Overall Length	Exposed Length*	Largest Diameter	
				D	E	G	
1/4	—	H8C	1/4	2.09	1.33	0.55	0.04
1/4	—	H8C-D	5/16	2.09	1.33	0.55	0.04
1/4	—	H9C	3/8	2.09	1.33	0.55	0.05
3/8	—	H5E	3/8	2.19	1.24	0.62	0.07
3/8	—	H6E	1/2	2.19	1.24	0.68	0.08
1/2	—	H4F	3/8	2.53	1.29	0.68	0.10
1/2	—	H5F	1/2	2.53	1.29	0.68	0.11
1/2	—	H5F-G	3/4	3.06	1.82	0.93	0.18
3/4	—	H5G-F	1/2	2.47	1.31	0.93	0.19
3/4	BH5G	—	3/4	3.00	1.84	0.93	0.25
3/4	—	H5G	3/4	3.00	1.84	0.93	0.23
3/4	—	H5G-J	1	3.24	2.08	1.24	0.36

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 20 Series coupler.

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

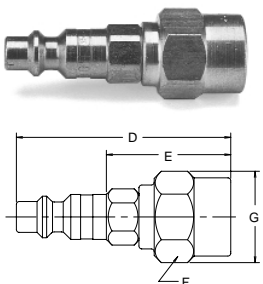


Body Size (in.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimension (in.)			Wt. (LB.) P/Piece
				Overall Length	Exposed Length*	Largest Diameter	
				D	E	G	
1/4	BH8CP	—	1/4	1.93	1.16	0.69	0.04
1/4	—	H8CP	1/4	1.93	1.16	0.69	0.03
1/4	—	H9CP	3/8	2.08	1.31	0.86	0.05
3/8	—	H4EP	1/4	2.02	1.08	0.69	0.06
3/8	—	H5EP	3/8	2.17	1.23	0.86	0.07
3/8	—	H6EP	1/2	2.31	1.37	0.97	0.09
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
1/2	—	H6FP	5/8	2.95	1.71	1.14	0.14

\*This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 20 Series coupler.

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

### Reusable Hose Fittings



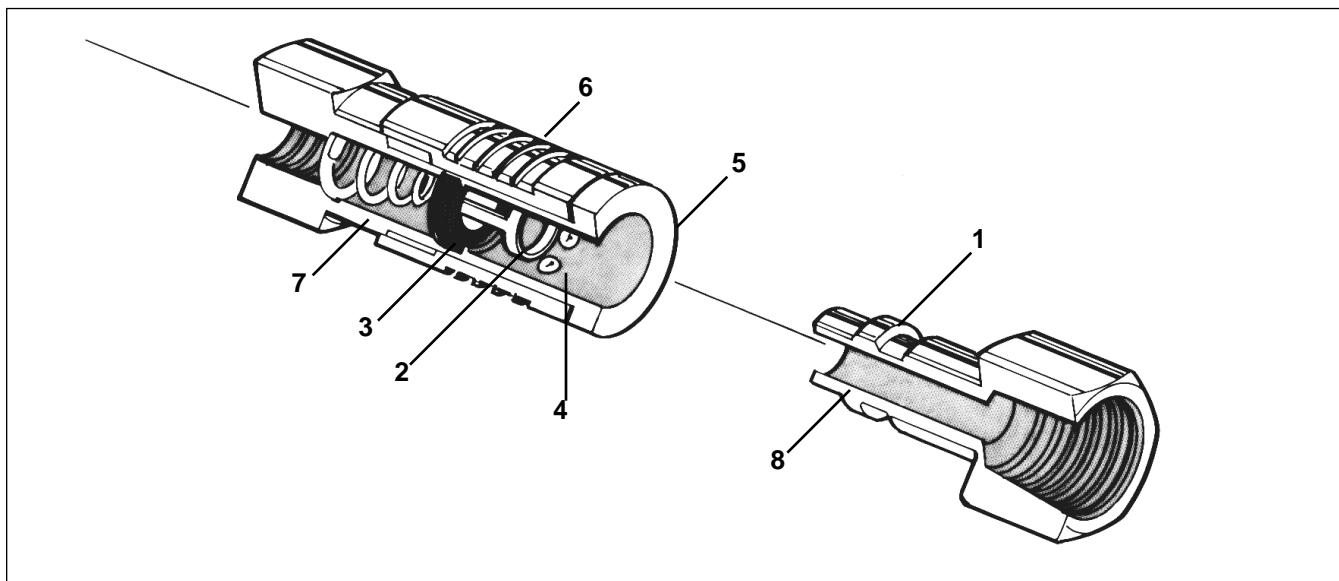
Body Size (in.)	Part No. Steel	Hose I.D.	Hose O.D.	Dimensions (in.)				Wt. (LB.) P/Piece
				Overall Length	Exposed Length*	Hex Size	Largest Diameter	
				D	E	F	G	
1/4	H8C-C3	1/4	1/2	2.19	1.42	0.69	0.79	0.10
1/4	H8C-C5	1/4	9/16	2.19	1.42	0.75	0.87	0.10
1/4	H8C-C6	1/4	5/8	2.19	1.42	0.81	0.94	0.10

\*This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 20 Series coupler.

## Pneumatic Quick Couplings

### General Purpose – Manual Connect

10 Series, 20 Series, 50 Series, 70 Series



#### Component Part Features

1. Precision machining, hardened wear points\* and solid barstock construction provide long life even in rugged applications.
2. Tubular valve with large flow passages delivers high air flow with minimal 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 (Buna-N). Ethylene Propylene, Fluorocarbon and Neoprene seals are available as options.
4. Proven ball locking mechanism with large numbers of hardened steel or stainless steel locking balls evenly distribute the load to resist wear and provide positive connections. The ball locking mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque.
5. Integral sleeve guard protects the sleeve and resists accidental disconnects by allowing the coupling to ride over obstructions without the sleeve being retracted.
6. Knurling and/or grooves on sleeve provide a gripping surface for ease of operation.
7. Wide range of body sizes, materials, options and end terminations are available to meet specific needs. Parker sleeve type couplings are available with male pipe thread, female pipe thread, standard hose barb, Push-Lok hose barb\*\*, and reusable hose fitting ends. Standard body materials are brass in 1/4" body size and steel in larger sizes.
8. Parker sleeve type couplings are available in interchanges for industrial interchange, Tru-flate, ARO 210 and Lincoln long stem design nipples.

\* Steel nipples only.

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



## 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 Buna-N (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.)	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)			
Disconnected (coupler only)	<b>Not recommended</b>		
Connected	27.4	27.4	27.4

#### Special 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.

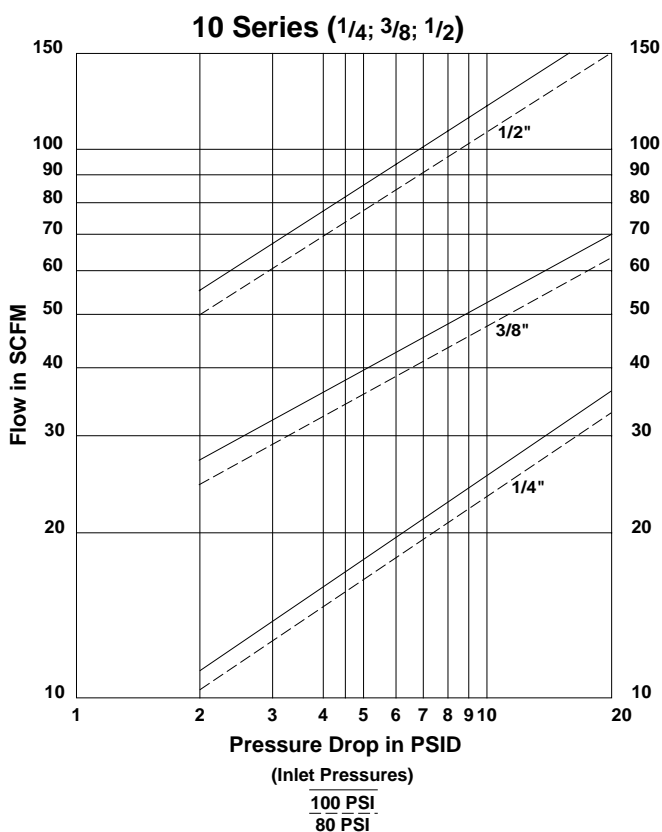
All-brass couplings should be used to avoid corrosion from moisture. Consult factory for specific recommendations.

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.

Push-to-connect version is also available – contact the division.

#### Performance



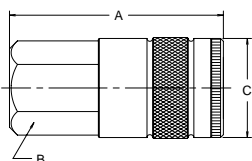
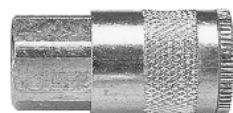
# Pneumatic Quick Couplings

## General Purpose – Manual Connect

10 Series

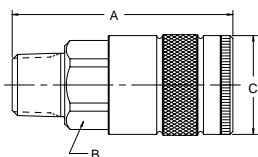
### Couplers

#### Female Pipe Thread



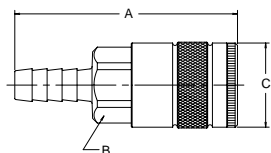
Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B13A	—	1/8-27	1.83	0.75	0.88	0.19
1/4	B13	—	1/4-18	1.83	0.75	0.88	0.19
1/4	B13E	—	3/8-18	1.95	0.81	0.94	0.31
3/8	—	15C	1/4-18	2.22	0.88	1.06	0.30
3/8	B15	—	3/8-18	2.28	0.88	1.06	0.34
3/8	—	15	3/8-18	2.28	0.88	1.06	0.29
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	—	1/2-14	2.96	1.00	1.19	0.50
1/2	—	17	1/2-14	2.96	1.00	1.19	0.56
1/2	—	17G	3/4-14	3.19	1.25	1.44	0.20

#### Male Pipe Thread



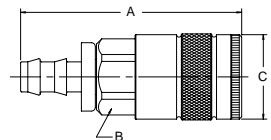
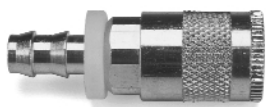
Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B12A	—	1/8-27	1.89	0.75	0.88	0.17
1/4	B12	—	1/4-18	2.05	0.75	0.88	0.18
1/4	B12E	—	3/8-18	2.08	0.75	0.88	0.19
3/8	—	14C	1/4-18	2.36	0.88	1.06	0.26
3/8	B14	—	3/8-18	2.39	0.88	1.06	0.24
3/8	—	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	—	1/2-14	3.08	1.00	1.19	0.41
1/2	—	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.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B10-3B	—	1/4	2.49	0.75	0.88	0.18
1/4	B10-4B	—	5/16	2.49	0.75	0.88	—
1/4	B10-5B	—	3/8	2.49	0.75	0.88	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.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B10-3BP	-	1/4	2.32	0.75	0.88	0.19
1/4	B10-5BP	-	3/8	2.47	0.75	0.88	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.

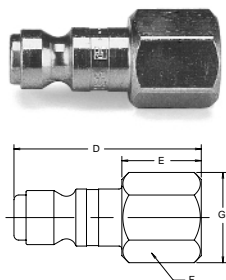
## Pneumatic Quick Couplings

### General Purpose – Manual Connect

10 Series

#### Nipples

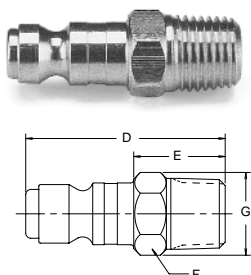
##### Female Pipe Thread



Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
				Overall Length	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	—	1/4-18	1.47	0.74	0.62	0.72	0.05
1/4	—	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.

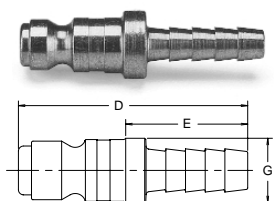
##### Male Pipe Thread



Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
				Overall Length	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	—	1/4-18	1.62	0.89	0.56	0.65	0.06
1/4	—	2C	1/4-18	1.62	0.89	0.56	0.65	0.05
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.

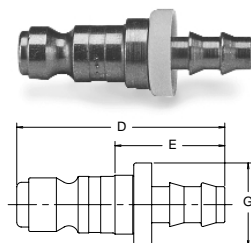
##### Standard Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Largest Diameter	
			D	E	G	
1/4	8C	1/4	2.00	1.27	0.55	0.04
1/4	9C	3/8	2.00	1.27	0.55	0.05
3/8	5E	3/8	2.19	1.27	0.63	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.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Largest Diameter	
			D	E	G	
1/4	8CP	1/4	1.84	1.10	0.69	0.04
1/4	9CP	3/8	1.98	1.25	0.86	0.05
3/8	5EP	3/8	2.17	1.25	0.86	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.

## Pneumatic Quick Couplings

## General Purpose – Manual Connect

### 20 Series Industrial Interchange



### Features

- Parker 20 Series sleeve type couplers accept industrial interchange nipples manufactured by Parker and other manufacturers.
- § Denotes Industrial Interchange nipples. See Table of Contents for those nipples used with 20 Series couplers.
- Standard seals are Buna-N (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.)	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)			
Connected	27.4	27.4	27.4

### Special Order Information

The standard 1/4" 20 Series is a brass coupler with a steel valve. The larger sizes are an all steel construction with brass available as an option. To order a 3/8" or 1/2" body size coupler with a brass body and a steel sleeve and valve, add the prefix "B" to the steel part number. Example: B16.

Add the suffix "N" as well as the "B" prefix to order an all brass coupler with stainless steel locking balls and springs, Example: B25N.

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 "SL" as a suffix to the part number, Example: 25-SL.

Available for 1/4" 20 Series couplers is a Grip-Ring sleeve (See Coupler Options). To order, add the suffix "R" to the part number, Example: B23R.

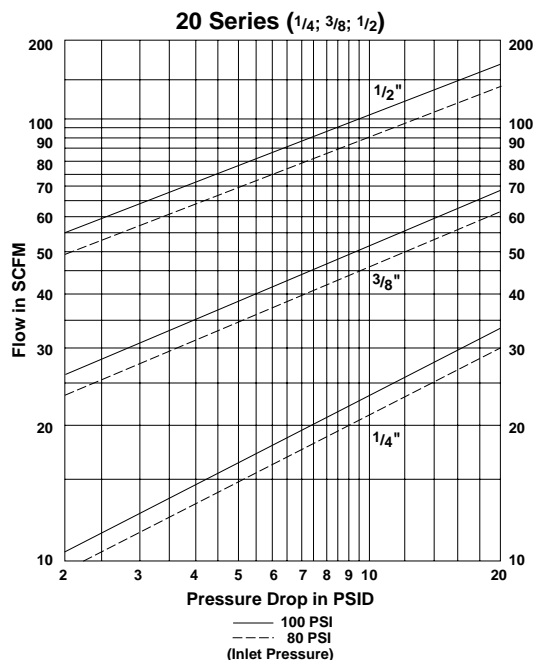
### Operation

Sleeve type couplings are widely used to connect air and low pressure fluid lines.

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.

### Performance



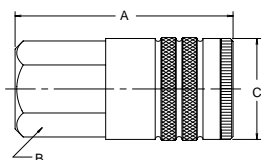
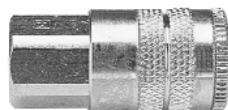
## Pneumatic Quick Couplings

## General Purpose – Manual Connect

### 20 Series Industrial Interchange

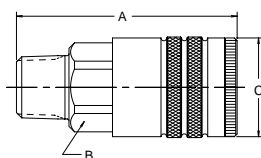
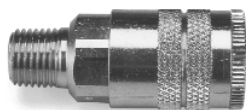
### Couplers

#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimension (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B23A	—	1/8-27	1.83	0.75	0.88	0.20
1/4	B23	—	1/4-18	1.83	0.75	0.88	0.19
1/4	B23E	—	3/8-18	1.95	0.81	0.94	0.20
3/8	—	25C	1/4-18	2.22	0.88	1.06	0.30
3/8	B25	—	3/8-18	2.28	0.88	1.06	0.31
3/8	—	25	3/8-18	2.28	0.88	1.06	0.32
3/8	—	25F	1/2-14	2.55	1.00	1.16	0.34
1/2	—	17E	3/8-18	2.74	1.00	1.19	0.46
1/2	B17	—	1/2-14	2.96	1.00	1.19	0.50
1/2	—	17	1/2-14	2.96	1.00	1.19	0.46
1/2	—	17G	3/4-14	3.19	1.25	1.44	0.56

#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Part No. Steel	Thread Size NPTF	Dimension (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B22A	—	1/8-27	1.89	0.75	0.88	0.18
1/4	B22	—	1/4-18	2.05	0.75	0.88	0.18
1/4	B22E	—	3/8-18	2.08	0.75	0.88	0.19
3/8	—	24C	1/4-18	2.36	0.88	1.06	0.26
3/8	B24	—	3/8-18	2.39	0.88	1.06	0.29
3/8	—	24	3/8-18	2.39	0.88	1.06	0.27
3/8	—	24F	1/2-14	2.55	0.88	1.06	0.29
1/2	—	16E	3/8-18	2.93	1.00	1.19	0.42
1/2	B16	—	1/2-14	3.08	1.00	1.19	0.47
1/2	—	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

### Note

§ Denotes Industrial Interchange nipples. See Table of Contents for those nipples used with 20 Series couplers.

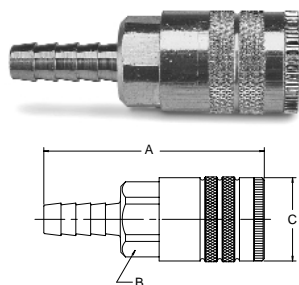
## Pneumatic Quick Couplings

## General Purpose – Manual Connect

### 20 Series Industrial Interchange

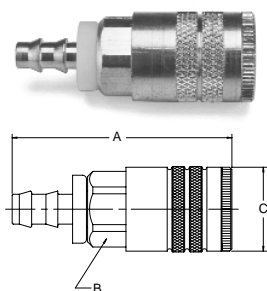
### Couplers

#### Standard Hose Barb



Body Size (in.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B20-3B	—	1/4	2.49	0.75	0.88	0.18
1/4	B20-4B	—	5/16	2.49	0.75	0.88	0.18
1/4	B20-5B	—	3/8	2.49	0.75	0.88	0.18
3/8	—	24-5B	3/8	2.86	0.88	1.06	0.27
3/8	—	24-6B	1/2	3.08	0.88	1.06	0.28
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

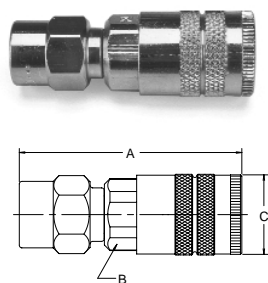
#### Push-Lok Hose Barb\*



Body Size (in.)	Part No. Brass	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B20-3BP	—	1/4	2.32	0.75	0.88	0.18
1/4	B20-5BP	—	3/8	2.47	0.75	0.88	0.19
3/8	—	24-5BP	3/8	2.88	0.88	1.06	0.27
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.

#### Reusable Hose Fitting



Body Size (in.)	Part No. Brass	Hose I.D.	Hose O.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B22-C3	1/4	1/2	2.45	0.69	0.88	0.24
1/4	B22-C5	1/4	9/16	2.45	0.75	0.88	0.24
1/4	B22-C6	1/4	5/8	2.45	0.81	0.94	0.24s

### Note

§ Denotes Industrial Interchange nipples. See Table of Contents for those nipples used with 20 Series couplers.

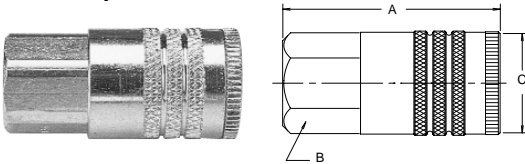


### Features

- Parker 50 Series couplings are interchangeable with ARO's 210 series couplings.
- 50 Series couplings have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- The 50 Series is only available in 1/4" body size.
- 50 Series couplings have all brass bodies and steel valves.
- Standard seal material is 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.
- Push-to-Connect version available. See 50A Series.
- Contact the division for Standard Hose Barb availability.

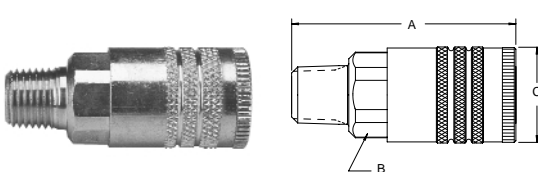
### Couplers

#### Female Pipe Thread



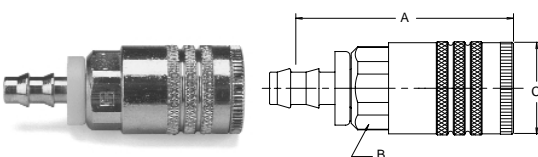
Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter		
			A	B	C		
1/4	B53	1/4-18	1.86	0.75	0.88		0.20
1/4	B53E	3/8-18	1.92	0.81	0.94		0.20

#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter		
			A	B	C		
1/4	B52	1/4-18	2.08	0.75	0.88		0.19
1/4	B52E	3/8-18	2.11	0.75	0.88		0.20

#### Push-Lok Hose Barb\*



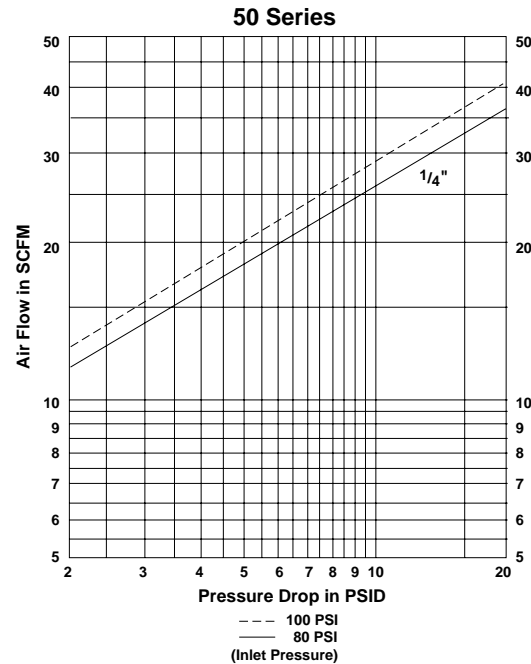
Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter		
			A	B	C		
1/4	B50-3BP	1/4	2.35	0.75	0.88		0.19
1/4	B50-5BP	3/8	2.50	0.75	0.88		0.20

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

### Specifications

Body Size (in.)	1/4
Rated Pressure (PSI)	300
Temperature Range (std seals)	-40° to +250° F.
Locking Device	4 balls

### Performance

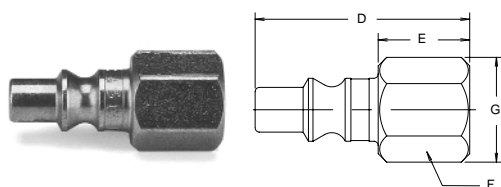


# Pneumatic Quick Couplings

## General Purpose – Manual Connect 50 Series

### Nipples

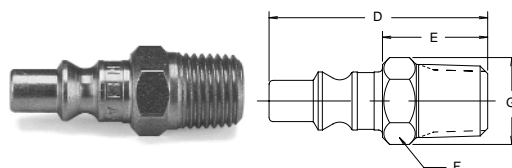
#### Female Pipe Thread



Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.) Exposed Length*	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			D	E	F	G	
1/4	A3C	1/4-18	1.47	0.66	0.62	0.72	0.04

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 50 Series coupler.

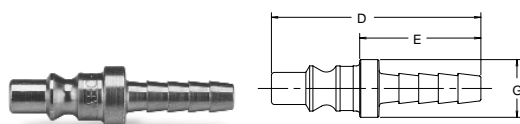
#### Male Pipe Thread



Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.) Exposed Length*	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			D	E	F	G	
1/4	A2C	1/4-18	1.62	0.82	0.56	0.65	0.05

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 50 Series coupler.

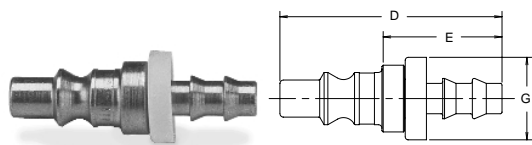
#### Standard Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.) Exposed Length*	Largest Diameter	Wt. (LB) P/Piece
			D	E	G	
1/4	A8C	1/4	2.00	1.19	0.55	0.03

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 50 Series coupler.

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



Body Size (in.)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.) Exposed Length*	Largest Diameter	Wt. (LB) P/Piece
			D	E	G	
1/4	A8CP	1/4	1.84	1.03	0.69	0.03

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 50 Series coupler.

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





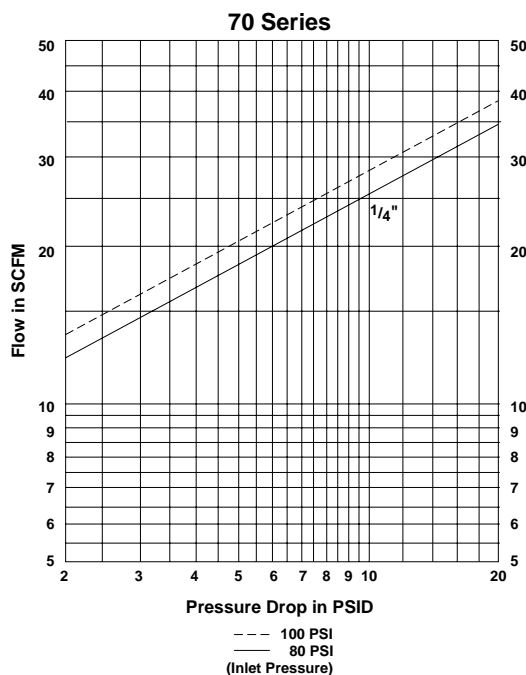
### Features

- Parker 70 Series couplings are interchangeable with Lincoln's "Long Stem" series couplings.
- 70 Series couplings have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- The 70 Series is only available in 1/4" body size.
- 70 Series couplings have all brass bodies and steel valves.
- Standard seal material is Buna-N (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.)	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250° F.
Locking Device	4 balls

### Performance

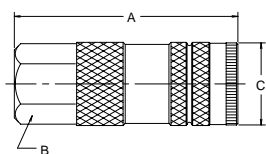


# Pneumatic Quick Couplings

## General Purpose – Manual Connect 70 Series

### Couplers

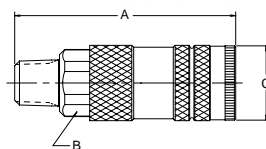
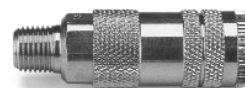
#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length A	Hex Size B	Largest Diameter C	
1/4	B73	1/4-18	2.39	0.75	0.88	0.28

### Couplers

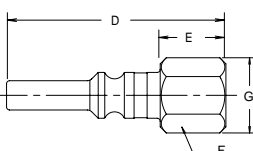
#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length A	Hex Size B	Largest Diameter C	
1/4	B72	1/4-18	2.61	0.75	0.88	0.27

### Nipples

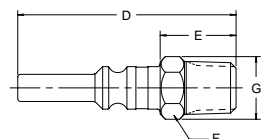
#### Female Pipe Thread



Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length D	Dimensions (in.)			Wt. (LB) P/Piece
				Exposed Length* E	Hex Size F	Largest Diameter G	
1/4	L3C	1/4-18	2.10	0.77	0.62	0.72	0.05

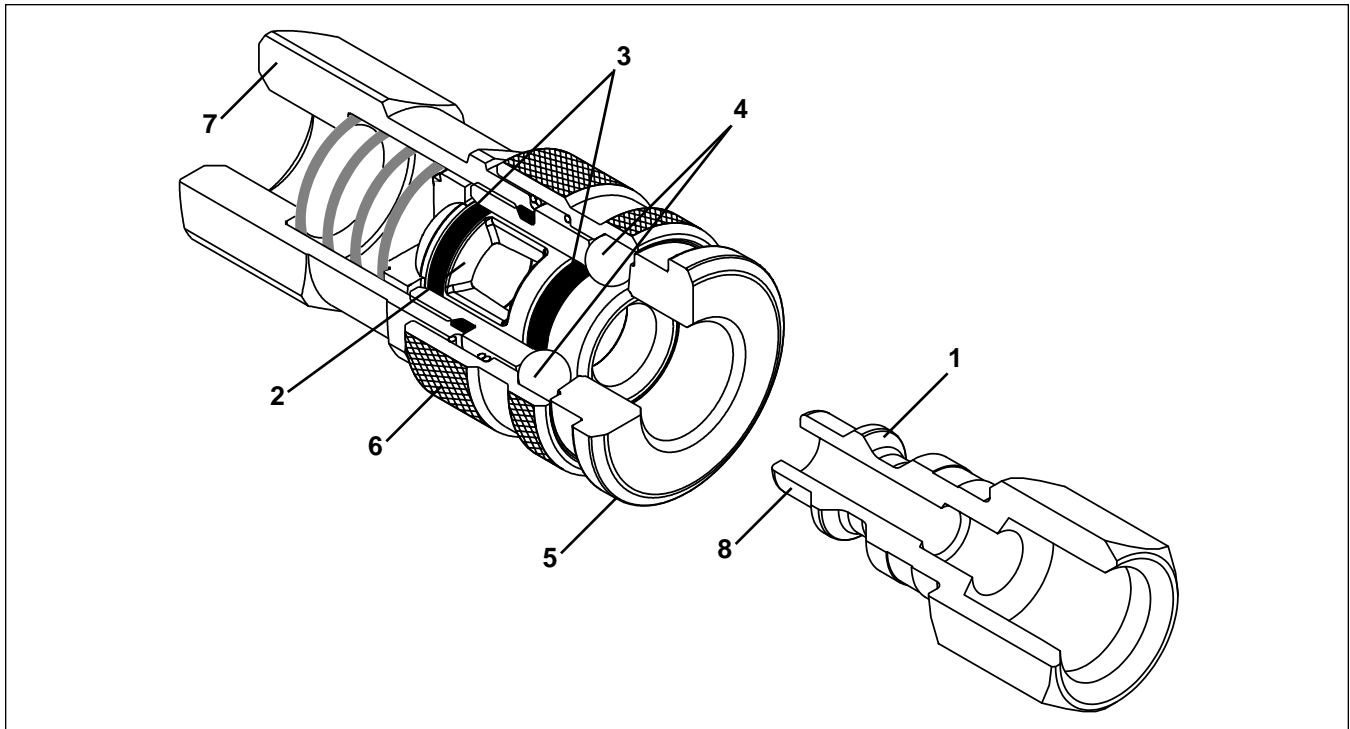
\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 70 Series coupler.

#### Male Pipe Thread



Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length D	Dimensions (in.)			Wt. (LB) P/Piece
				Exposed Length* E	Hex Size F	Largest Diameter G	
1/4	L2C	1/4-18	2.25	0.92	0.56	0.65	0.06

\* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker 70 Series coupler.



### 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 (Buna-N). Ethylene Propylene, Fluorocarbon and Neoprene are available as options.
4. Proven ball locking mechanism with large numbers of hardened steel or stainless steel locking balls evenly distribute the load to resist wear and provide positive connections. The ball locking mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque.
5. Integral sleeve guard protects the sleeve and resists accidental disconnects by allowing the coupling to ride over obstructions without the sleeve being retracted.
6. Knurling on the sleeve provides a gripping surface for ease of operation.
7. Wide range of end configurations 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 HF Series couplings mate with industrial interchange design nipples. See Table of Contents.
9. Push-to-connect design permits one-handed connection when the coupler half is rigidly mounted.

\* steel nipples only

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

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect

### RF Series



### Features

- New aerodynamic valve design.
- Flow area of the RF nipple is 2-1/2 times larger than industrial interchange nipples.
- Flow rates greater than many 3/8" body size couplers.
- Coupler sleeves are nickel-plated steel and coupler bodies are nickel-plated brass construction for excellent corrosion resistance. Standard RF nipples are manufactured from solid steel bar stock, case hardened and plated with yellow zinc chromate for superior service life.
- Dependable ball locking mechanism allows a swiveling action to reduce hose torque.
- Push-To-Connect design for easy one hand connection.
- Integral sleeve guard to protect against accidental disconnection.
- 300 psi working pressure.
- Wide range of port options available.
- More efficient use of compressed air due to higher flows and reduced pressure drop.

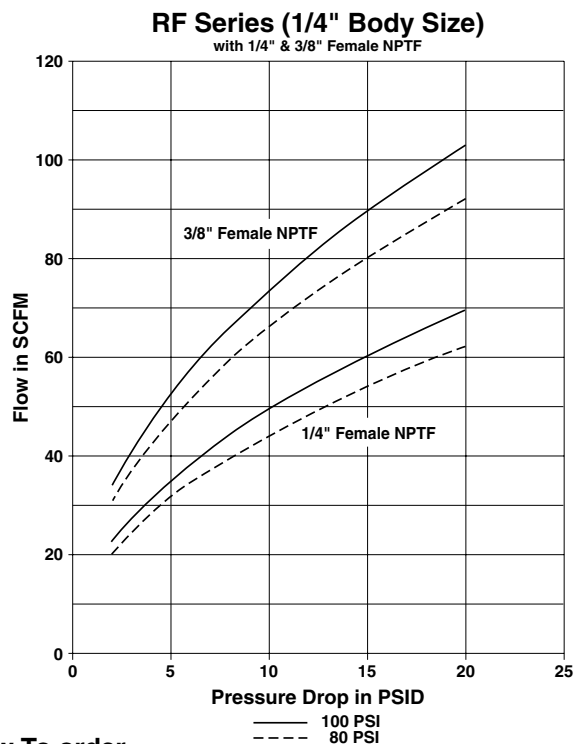
### Specifications

Body Size (in.)	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250°F
Locking Device	4 balls
Vacuum Data (inches Hg)	—
Disconnected (coupler only)	<b>Not Recommended</b>
Connected	27.4

### Description

The Parker RF Series pneumatic couplings offer the quality and dependability customers have come to expect from Parker's line of pneumatic quick couplings. The RF Series has been designed to increase the flow through and reduce the pressure drop over the coupling. The nipple design has a 2-1/2 times larger flow area than standard industrial interchange nipples. This, along with a specially designed coupler valve, allows tremendous flow through a coupling with an envelope size of current 1/4" couplings in the market today. The benefits to the end user are increased tool efficiency and decreased air costs.

### Performance



### How To order

**C RF N 01 - 4 - 4**

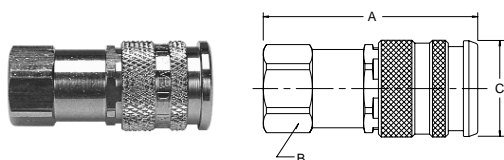
- C** = Coupler
- RF** = RF Series
- N** = Nipple
- 01** - Port Configuration: 01 - Male NPTF, 02 - Female NPTF, HB - Hose Barb, PL - Push-Lok Hose Barb, NM - NoMar™ Tube End (With Nut)
- 4** - Body Size (1/16 of an inch)
- 4** - Port Size (1/16 of an inch)
- Body Material**: Blank = Brass, -S = Steel
- NoMar™ Soft Sided Coupler**

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect RF Series

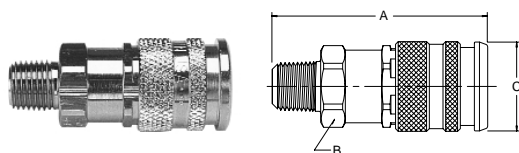
### Couplers

#### Female Pipe Thread



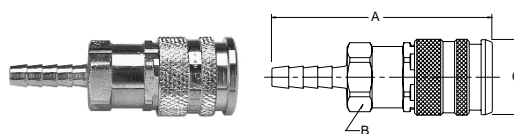
Body Size (in.)	Part No.	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	CRF02-4-4	1/4-18	2.19	0.81	0.99	0.26
1/4	CRF02-4-6	3/8-18	2.34	0.81	0.99	0.27

#### Male Pipe Thread



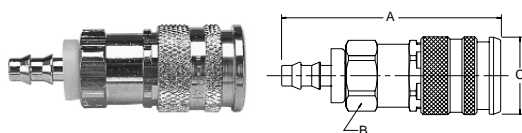
Body Size (in.)	Part No.	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	CRF01-4-4	1/4-18	2.34	0.81	0.99	0.24
1/4	CRF01-4-6	3/8-18	2.37	0.81	0.99	0.25
1/4	CRF01-4-8	1/2-14	2.56	0.88	0.99	0.29

#### Standard Hose Barb



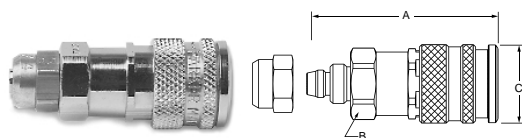
Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	CRFHB-4-4	1/4	2.81	0.81	0.99	0.26
1/4	CRFHB-4-6	3/8	2.81	0.81	0.99	0.27

#### Push-Lok Hose Barb



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	CRFPL-4-4	1/4	2.64	0.81	0.99	0.26
1/4	CRFPL-4-6	3/8	2.78	0.81	0.99	0.27
1/4	CRFPL-4-8	1/2	2.93	0.81	0.99	0.28

#### NoMar™ Tube End (With Nut)



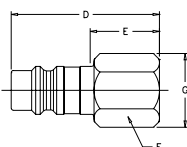
Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	CRFNM-4-6x4	1/4 Tube I.D. 3/8 Tube O.D.	2.44	0.81	1.07	0.31

# Pneumatic Quick Couplings

## General Purpose – Push-To-Connect RF Series

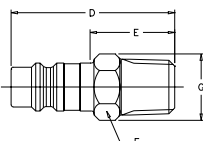
### Nipples

#### Female Pipe Thread



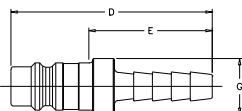
Body Size (in.)	Part No.	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Exposed Length	Hex Size	Largest Diameter	
			D	E	F	G	
1/4	NRF02-4-4-S	1/4-18	1.45	0.66	0.62	0.72	0.06
1/4	NRF02-4-6-S	3/8-18	1.50	0.66	0.81	0.89	0.09

#### Male Pipe Thread



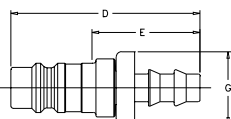
Body Size (in.)	Part No.	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Exposed Length	Hex Size	Largest Diameter	
			D	E	F	G	
1/4	NRF01-4-4-S	1/4-18	1.60	0.82	0.56	0.65	0.05
1/4	NRF01-4-6-S	3/8-18	1.67	0.82	0.69	0.75	0.08

#### Standard Hose Barb



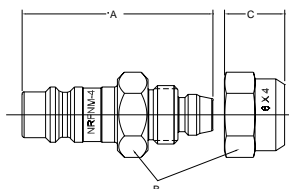
Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			D	E	G	
1/4	NRFHB-4-4-S	1/4	2.00	1.19	0.55	0.04
1/4	NRFHB-4-6-S	3/8	2.00	1.19	0.55	0.05

#### Push-Lok Hose Barb



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			D	E	G	
1/4	NRFPL-4-4-S	1/4	1.80	1.03	0.69	0.04
1/4	NRFPL-4-6-S	3/8	1.95	1.03	0.86	0.05

#### NoMar™ Tube End (With Nut)



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Nipple Length	Hex Size	Nut Length	
			A	B	C	
1/4	NRFNM-4-6x4-S	1/4" Tube I.D. 3/8" Tube O.D.	1.62	.63	.72	0.06



### Description

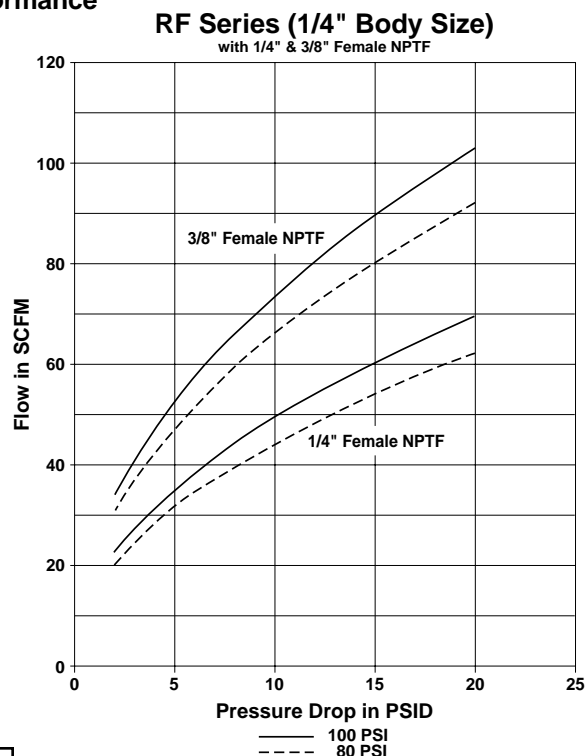
Parker RF NoMar™ pneumatic couplers offer all the features of our standard RF Series products, combined with a non-marking, oil resistant, polyurethane cover and port protector. Features include: slim profile, push-to-connect operation, and brass construction with corrosion resistant components.



### Specifications

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

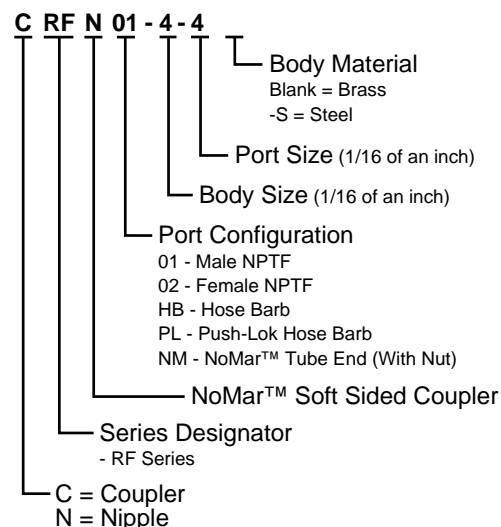
### Performance



Body Size (in.)	Part No.	Material	Port Size	Dimensions (in.)			Wt.(LB) P/Piece
				**Overall Length	Hex Size	Largest Diameter	
Male Pipe Thread				A	B	C	
1/4	CRFN01-4-4	Brass	1/4-18 NPTF	2.18	.81	1.07	0.29
1/4	CRFN01-4-6	Brass	3/8-18 NPTF	2.22	.81	1.07	0.30
Female Pipe Thread				A	B	C	
1/4	CRFN02-4-4	Brass	1/4-18 NPSF	2.36	.81	1.07	0.28
1/4	CRFN02-4-6	Brass	3/8-18 NPSF	2.36	.81	1.07	0.29
Standard Hose Barb				A	B	C	
1/4	CRFNHB-4-4	Brass	1/4" Hose I.D.	2.77	.81	1.07	0.29
1/4	CRFNHB-4-6	Brass	3/8" Hose I.D.	2.77	.81	1.07	0.30
Push-Lok Hose Barb				A	B	C	
1/4	CRFNPL-4-4	Brass	1/4" Hose I.D.	2.86	.81	1.07	0.29
1/4	CRFNPL-4-6	Brass	3/8" Hose I.D.	2.86	.81	1.07	0.30
* NoMar™ Tube End (With Nut)					A	B	C
1/4	CRFNNM-4-6X4	Brass	1/4" Tube I.D. 3/8" Tube O.D.	2.44	.81	1.07	.031

\*Use in conjunction with Parflex Division Polyurethane NoMar™ Fast-Stor® Coils.  
\*\*Overall length with hose shell assembled is 3.7 on all port options.

### How To Order



## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect HF Series Industrial Interchange



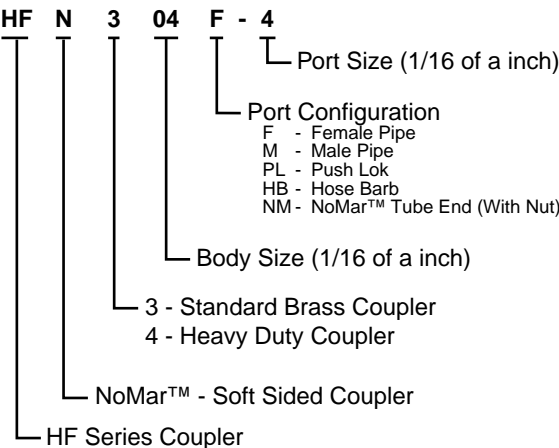
### Features

- Parker HF Series Pneumatic Quick Couplings offer an alternative to traditional industrial interchange couplers. The quality and durability you have come to expect from Parker 20 Series couplers, combined with a slim profile and push-to-connect design. The result is an easy to use general purpose pneumatic coupler suitable for use in a variety of applications.
- Parker HF couplers feature sleeve guards to protect against accidental disconnection.
- Standard couplers feature solid brass construction, high flow valving, corrosion resistant valves, and stainless steel locking balls and valve spring.
- Parker HF couplers accept Industrial Interchange nipples\* manufactured by Parker and other manufacturers. See table of contents.
- Heavy Duty Couplers\*\* featuring heat treated, solid steel bodies and sleeves for added strength and durability.

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

\*\* 1/8" couplings do not incorporate an integral sleeve guard and are unavailable in the Heavy Duty version.

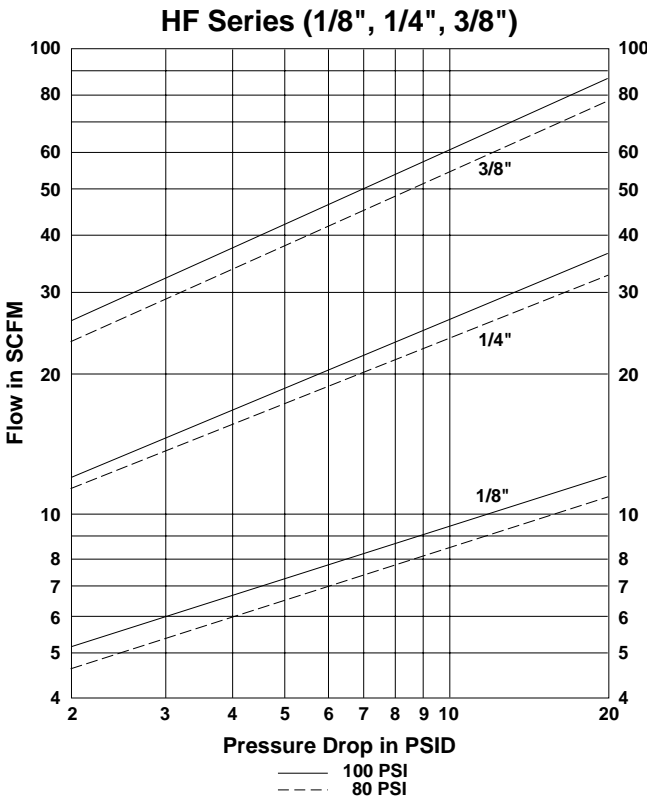
### How To Order



### Specifications

Body Size (in.)	1/8	1/4	3/8
Rated Pressure (psi)	250	300	300
Temperature Range (std seals)	-40° to +250°F		
Locking Device	5 balls	4 balls	6 balls
Vacuum Data (inches Hg)	—	—	—
Disconnected (coupler only)	<b>Not Recommended</b>		
Connected	—	27.4	28.2

### Performance



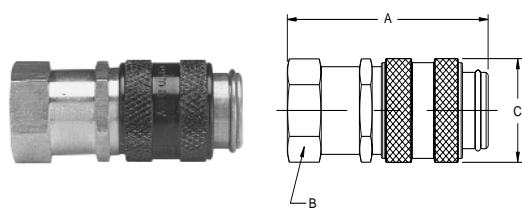


## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect HF Series Industrial Interchange

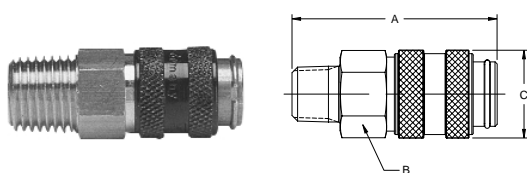
### 1/8" Body Size Couplers

#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/8	HF302F-2	1/8-27	1.42	0.55	0.63	.06
1/8	HF302F-4	1/4-18	1.81	0.67	0.63	.10

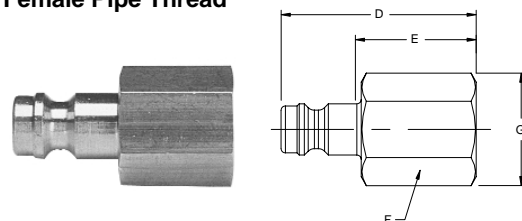
#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/8	HF302M-2	1/8-27	1.50	0.55	0.63	.06
1/8	HF302M-4	1/4-18	1.61	0.55	0.63	.07

### 1/8" Body Size Nipples

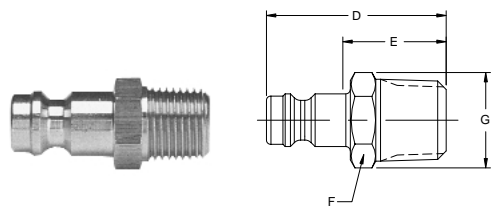
#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Hex Size	
			D	E	F	G
1/8	HF702F-2	1/8-27	1.14	.61	0.55	0.63
1/8	HF702F-4	1/4-18	1.34	.81	0.67	0.78

\* This dimension represents the portion that is exposed when nipple is inserted in a Parker HF series coupler.

#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Hex Size	
			D	E	F	G
1/8	HF702M-2	1/8-27	1.06	.53	0.44	0.51
1/8	HF702M-4	1/4-18	1.20	.67	0.55	0.63

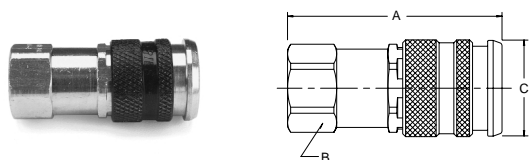
\* This dimension represents the portion that is exposed when nipple is inserted in a Parker HF series coupler.

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect HF Series Industrial Interchange

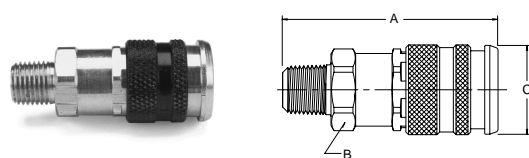
### 1/4" and 3/8" Body Size Couplers

#### Female Pipe Thread



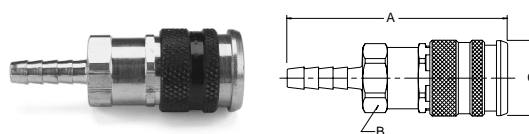
Body Size (in.)	Part No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF304F-4	1/4-18	2.19	0.81	0.99	0.26
1/4	HF304F-6	3/8-18	2.34	0.81	0.99	0.27
3/8	HF306F-4	1/4-18	2.33	0.94	1.07	0.33
3/8	HF306F-6	3/8-18	2.33	0.94	1.07	0.31
3/8	HF306F-8	1/2-14	2.49	1.00	1.07	0.35

#### Male Pipe Thread



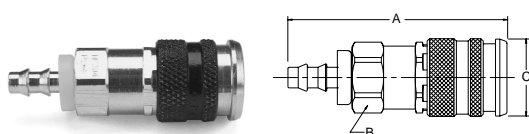
Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF304M-4	1/4-18	2.34	0.81	0.99	0.25
1/4	HF304M-6	3/8-18	2.37	0.81	0.99	0.26
3/8	HF306M-4	1/4-18	2.49	0.94	1.07	0.32
3/8	HF306M-6	3/8-18	2.52	0.94	1.07	0.30
3/8	HF306M-8	1/2-14	2.68	0.94	1.07	0.33

#### Standard Hose Barb



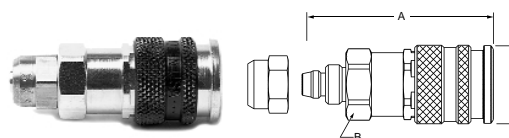
Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF304HB-4	1/4	2.81	0.81	0.99	0.26
1/4	HF304HB-6	3/8	2.81	0.81	0.99	0.27
3/8	HF306HB-6	3/8	3.02	0.94	1.07	0.31
3/8	HF306HB-8	1/2	3.02	0.94	1.07	0.34

#### Push-Lok Hose Barb



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF304PL-4	1/4	2.64	0.81	0.99	0.26
1/4	HF304PL-6	3/8	2.78	0.81	0.99	0.27
3/8	HF306PL-6	3/8	3.02	0.94	1.07	0.33
3/8	HF306PL-8	1/2	3.07	0.94	1.07	0.31

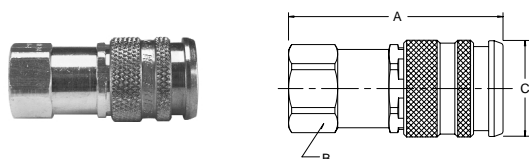
#### NoMar™ Tube End (With Nut)



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF304NM-6x4	1/4 Tube I.D. 3/8 Tube O.D.	2.44	0.81	1.07	0.31

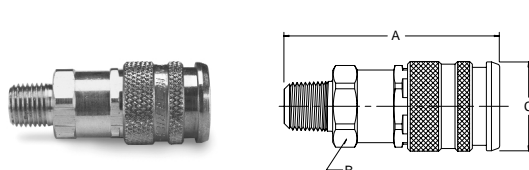
### Heavy Duty Couplers

#### Female Pipe Thread



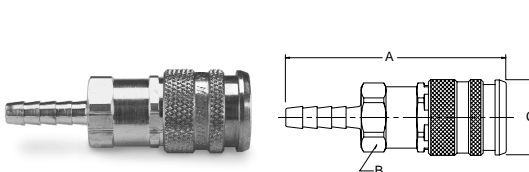
Body Size (in.)	Part No. Steel	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF404F-4	1/4-18	2.18	0.81	0.99	0.25
1/4	HF404F-6	3/8-18	2.22	0.81	0.99	0.26
3/8	HF406F-4	1/4-18	2.33	0.94	1.07	0.33
3/8	HF406F-6	3/8-18	2.33	0.94	1.07	0.30
3/8	HF406F-8	1/2-14	2.49	1.00	1.07	0.35

#### Male Pipe Thread



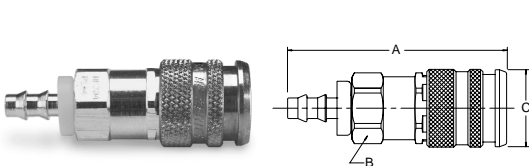
Body Size (in.)	Part No. Steel	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF404M-4	1/4-18	2.36	0.81	0.99	0.24
1/4	HF404M-6	3/8-18	2.36	0.81	0.99	0.25
3/8	HF406M-4	1/4-18	2.49	0.94	1.07	0.32
3/8	HF406M-6	3/8-18	2.52	0.94	1.07	0.30
3/8	HF406M-8	1/2-14	2.68	0.94	1.07	0.33

#### Standard Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF404HB-4	1/4	2.86	0.81	0.99	0.24
1/4	HF404HB-6	3/8	2.86	0.81	0.99	0.25
3/8	HF406HB-6	3/8	3.02	0.94	1.07	0.31
3/8	HF406HB-8	1/2	3.02	0.94	1.07	0.34

#### Push-Lok Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	HF404PL-4	1/4	2.77	0.81	0.99	0.25
1/4	HF404PL-6	3/8	2.77	0.81	0.99	0.26
3/8	HF406PL-6	3/8	3.02	0.94	1.07	0.33
3/8	HF406PL-8	1/2	3.07	0.94	1.07	0.31

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect HF NoMar™ Series Industrial Interchange



### Description

Parker HF NoMar™ pneumatic couplers offer all the features of our standard HF Series products, combined with a non-marking, oil resistant, polyurethane cover and port protector. Features include: slim profile, push-to-connect operation, industrial interchange profile, and brass construction with corrosion resistant components.



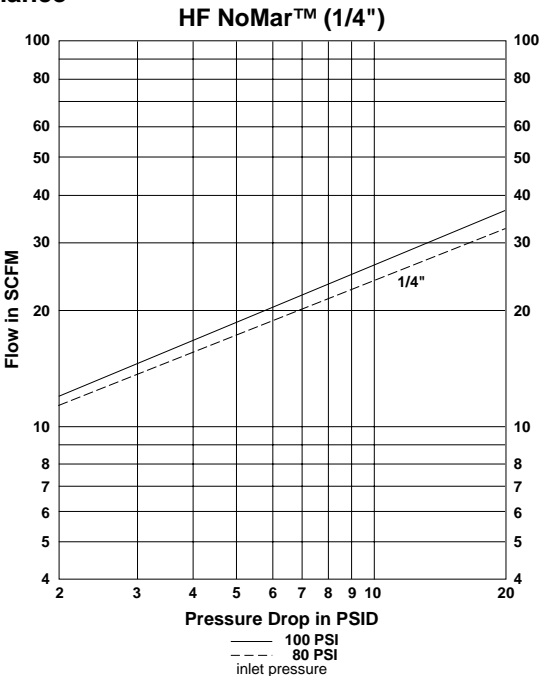
Body Size (in.)	Part No.	Material	Port Size	Dimensions (in.)			Wt.(LB) P/Piece
				**Overall Length	Hex Size	Largest Diameter	
Female Pipe Thread				A	B	C	
1/4	HFN304F-4	Brass	1/4-18 NPSF	2.18	.81	1.07	0.29
1/4	HFN304F-6	Brass	3/8-18 NPSF	2.22	.81	1.07	0.30
Male Pipe Thread				A	B	C	
1/4	HFN304M-4	Brass	1/4-18 NPTF	2.36	.81	1.07	0.28
1/4	HFN304M-6	Brass	3/8-18 NPTF	2.36	.81	1.07	0.29
Push-Lok Hose Barb				A	B	C	
1/4	HFN304PL-4	Brass	1/4" Hose I.D.	2.77	.81	1.07	0.29
1/4	HFN304PL-6	Brass	3/8" Hose I.D.	2.77	.81	1.07	0.30
Standard Hose Barb				A	B	C	
1/4	HFN304HB-4	Brass	1/4" Hose I.D.	2.86	.81	1.07	0.29
1/4	HFN304HB-6	Brass	3/8" Hose I.D.	2.86	.81	1.07	0.30
* NoMar™ Tube End (With Nut)				A	B	C	
1/4	HFN304NM-6X4	Brass	1/4" Tube I.D. 3/8" Tube O.D.	2.44	.81	1.07	.031

\*Use in conjunction with Parflex Division Polyurethane NoMar™ Fast-Stor® Coils.  
\*\*Overall length with hose shell assembled is 3.7 on all port options.

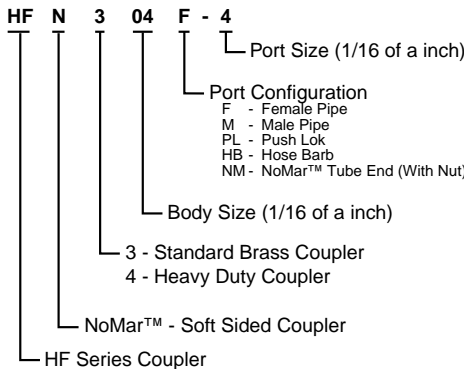
### Specifications

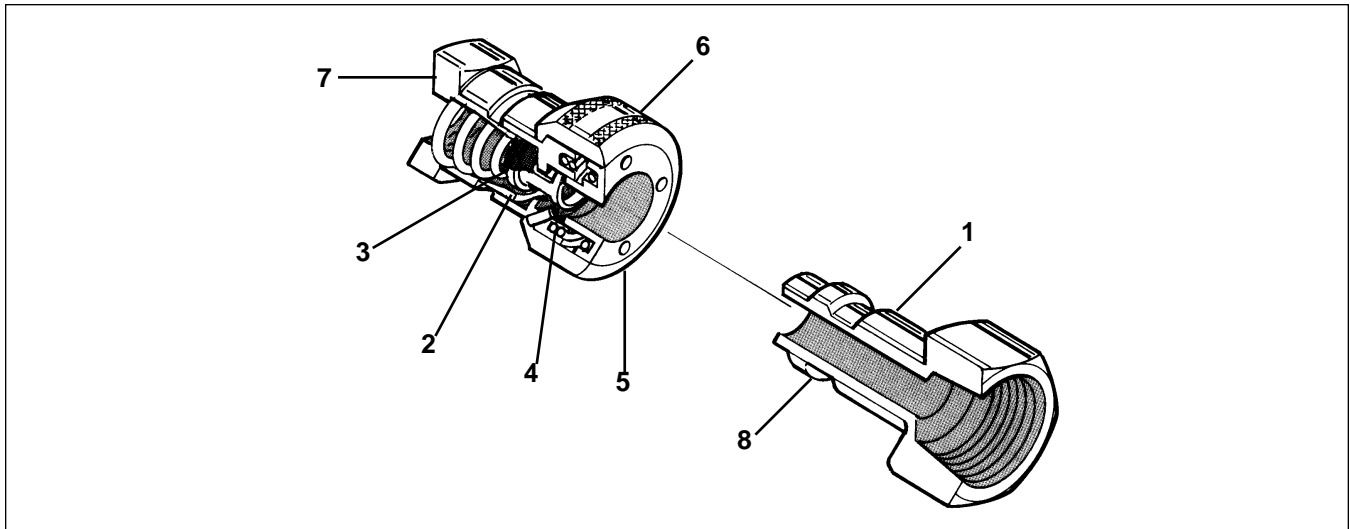
Body Size (in.)	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250° F
Locking Device	4 balls
Vacuum Data (inches Hg)	
Disconnected (coupler only)	Not Recommended
Connected	27.4

### Performance



### How To Order





### 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 (Buna-N). 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.

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect 30 Series Industrial Interchange



### 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 Buna-N (Nitrile). See Ordering Information at the end of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.

### Specifications

Body Size (in.)	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)	<b>Not recommended</b>			
Connected	27.4	27.4	27.4	27.4

### Special Order Information

Available with Sleeve-Lok (See Coupler Options Section). To order, add the suffix “-SL” to the 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

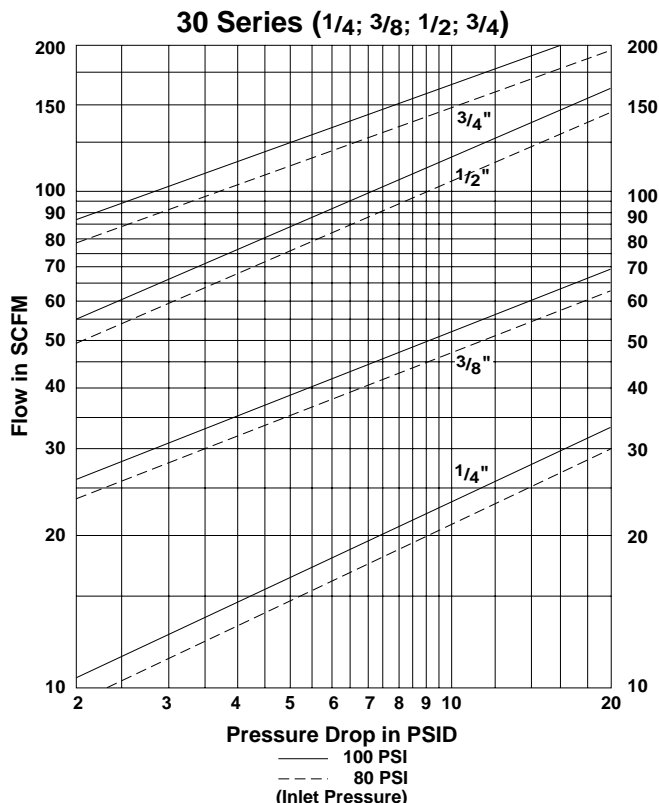
Push type couplings feature one handed “automatic” connection by pushing the nipple into the coupler—provided the coupler half is firmly mounted.

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.

The sleeve must be manually retracted in order to remove the nipple.

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

### Performance

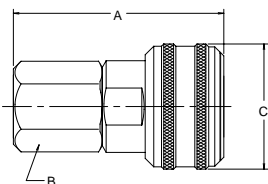
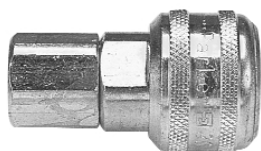


## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect 30 Series Industrial Interchange

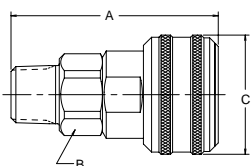
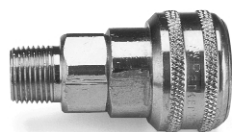
### Couplers

#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			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	1.10
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.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			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	B38F	1/2-14	2.93	1.31	1.90	.89
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

### Note

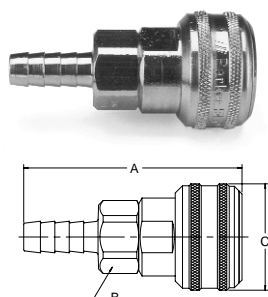
See Table of Contents for Industrial Interchange Nipples used with 30 Series couplers .

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect 30 Series Industrial Interchange

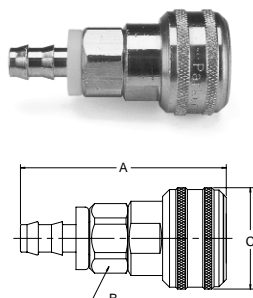
### Couplers

#### Standard Hose Barb



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			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	B38-6B	1/2	3.16	1.31	1.90	0.90
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

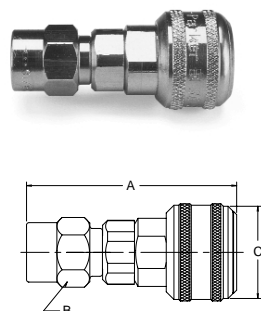
#### Push-Lok Hose Barb\*



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			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.

#### Reusable Hose Fittings



Body Size (in.)	Part No. Brass	Hose I.D.	Hose O.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	B32-C3	1/4	1/2	2.59	0.69	1.20	0.38

### Note

See Table of Contents for Industrial Interchange Nipples used with 30 Series couplers .



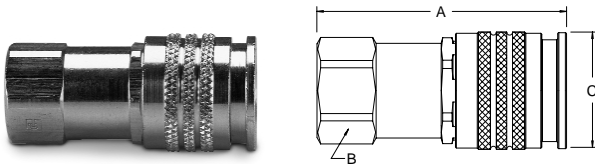


### Features

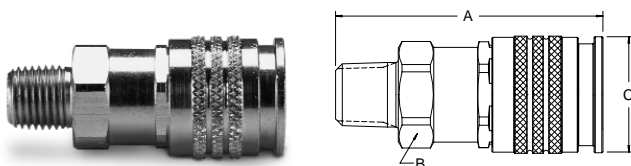
- Parker 50 Series couplings are interchangeable with ARO's 210 series couplings. See Table of Contents.
- 50 Series couplings utilize a tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- The 50 Series is only available in 1/4" body size.
- 50 Series couplings have all brass bodies.
- Standard seal material is 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.
- Other port options available – contact the division.

### Couplers

#### Female Pipe Thread



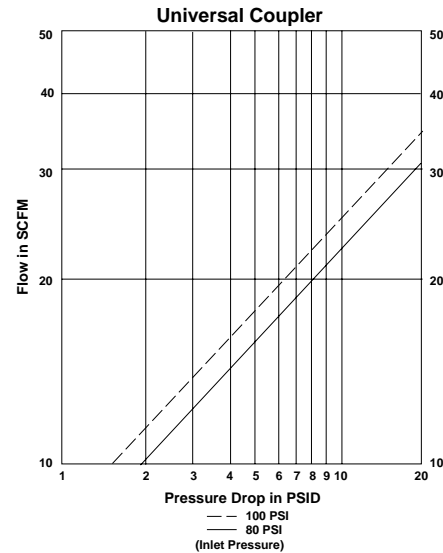
#### Male Pipe Thread



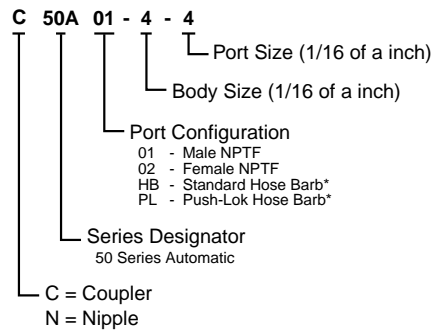
### Specifications

Body Size (in.)	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250° F
Locking Device	4 balls
Vacuum Service	Not Recommended

### Performance



### How To Order



\*Consult division for availability

Body Size (in.)	Part No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	C50A02-4-4	1/4-18	2.11	0.81	1.01	0.26
1/4	C50A02-4-6	3/8-18	2.14	0.81	1.01	0.27

Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	C50A01-4-4	1/4-18	2.26	0.81	1.01	0.24
1/4	C50A01-4-6	3/8-18	2.29	0.81	1.01	0.25

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect Twist-Lock



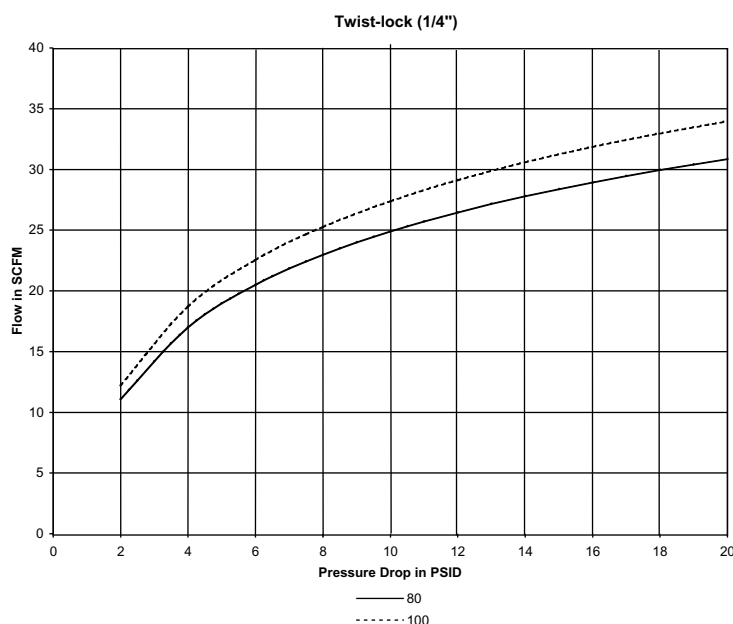
### Features

- Engineered for speedy coupling and uncoupling. To lock – push in; to unlock – give the coupler sleeve a 1/8 turn. Designed to protect against accidental uncoupling.
- A variety of port configurations are available to meet specific needs.
- Standard Twist-Lock couplings are ideal for low to medium air flows, such as air tools.
- Standard Seals are Buna-N (Nitrile).
- Constructed of Zinc bodies and Zinc plated steel sleeves and nipples.
- Interchanges with Schrader Twist-Lock style couplings.

### Specification

Body Size (in.)	1/4	1/2
Rated Pressure (PSI)	250	250
Temperature Range (Nitrile seal)	-10° F to +165° F.	
Locking Device	CAM	
Vacuum Service	Not Recommended	

### Performance

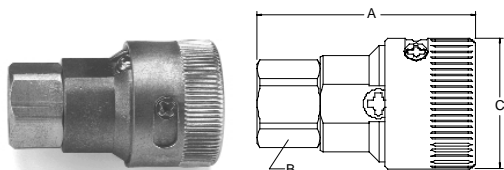


## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect Twist-Lock

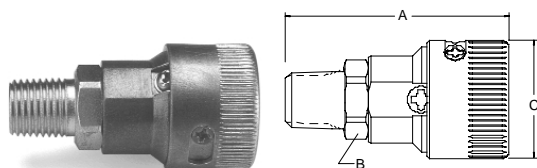
### Couplers

#### Female Thread



Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	8052-0319	1/4-18	2.02	.69	1.12	0.21
1/2	1095-0040	3/8-18	2.19	1.13	1.50	0.44
1/2	1461-0070	1/2-14	2.50	1.13	1.50	0.44
1/2	1462-0040	3/4-14	2.56	1.13	1.50	0.44

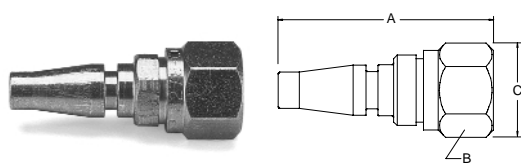
#### Male Thread



Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	3060-0109	1/4-18	2.24	.69	1.12	0.21
1/4	3061-0109	3/8-18	2.27	.69	1.12	0.22
1/2	3080-0020	3/8-18	2.31	1.13	1.50	0.39
1/2	3081-0020	1/2-14	2.75	1.13	1.50	0.40

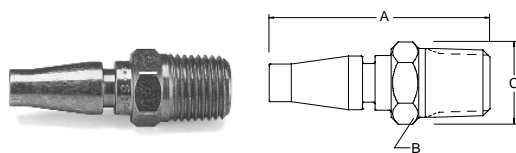
### Nipples

#### Female Thread



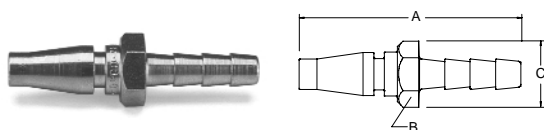
Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	2047-0010	1/8-27	1.53	.56	.65	0.04
1/4	8278-0050	1/4-18	1.81	.69	.79	0.07
1/2	1261-0020	1/4-18	1.68	.69	.80	0.14
1/2	1096-0010	3/8-18	1.84	.88	1.01	0.14

#### Male Thread



Body Size (in.)	Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	8051-0010	1/8-27	1.65	.56	.65	0.05
1/4	8050-0110	1/4-18	1.75	.56	.65	0.05
1/2	8624-0070	1/4-18	1.87	.69	.80	0.12
1/2	1095-0020	3/8-18	1.93	.69	.80	0.12
1/2	1461-0050	1/2-14	2.16	.88	1.01	0.13
1/2	1462-0100	3/4-14	2.16	1.06	1.22	0.14

#### Standard Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	8787-0040	1/4	2.18	.56	.65	0.04
1/4	8788-0030	3/8	2.18	.56	.65	0.06
1/2	2123-0030	1/4	2.31	.69	.80	0.10
1/2	1097-0010	3/8	2.28	—	.69	0.11
1/2	1098-0010	1/2	2.28	—	.81	0.12

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect Universal Coupler



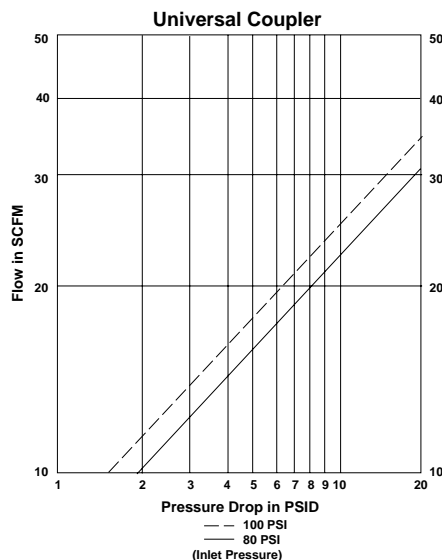
### Features

- The 1/4" Universal Coupler will accept the industrial interchange, [(MIL-C4109) and (ANSI/(NFPA) T3.20.14-1990)], 10 Series (Tru-Flate) and the 50 series (ARO 210) style nipples.
- The coupler features automatic push-to-connect operation, high flow machined "window valve," corrosion resistant solid brass construction and a sleeve guard which helps prevent accidental disconnects and protects the sleeve from damage.
- While the best quick coupling performance is obtained by matching like series couplers and nipples, the universal coupler permits multiple series nipples to mate with one coupler.

### Specifications

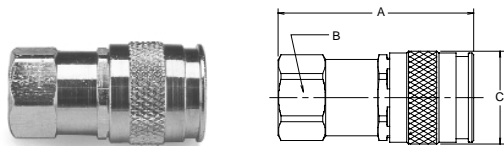
Body Size (in.)	1/4
Rated Pressure (PSI)	150
Temperature Range (Nitrile seal)	-40° to +250° F.
Locking Device	4 balls
Vacuum Service	Not Recommended

### Performance



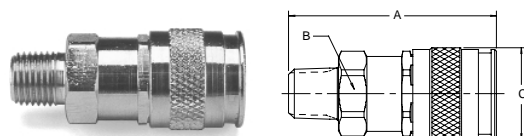
### Couplers

#### Female Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	UC304F-4	1/4-18	2.06	0.81	.98	0.23
1/4	UC304F-6	3/8-18	2.21	0.81	.98	0.23

#### Male Pipe Thread



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	UC304M-4	1/4-18	2.21	0.81	.98	0.22
1/4	UC304M-6	3/8-18	2.24	0.81	.90	0.23

Contact the Division for Hose Barb and Push-Lok port availability



### Features

- Standard style Tool-Mate couplers are lightweight, easy to operate, and non-marking with easy, push-to-connect action
- Couplers are constructed of Polyamide material; springs, balls, and pins are stainless steel; and locking fingers are made of polyacetate
- PBH Tool-Mate Series is built to the industrial interchange profile identifiable with a yellow ring around the body
- PER Tool-Mate Series is designed to use with Parker's high flow RF Series nipples and is identifiable with a green ring around the body

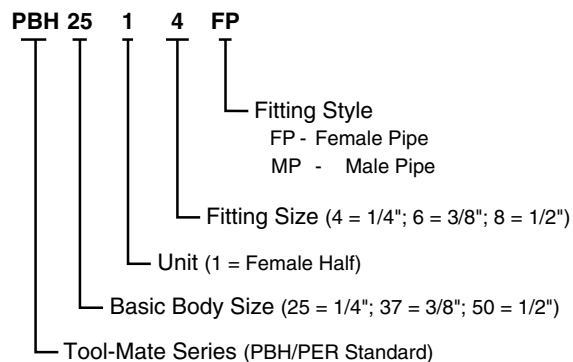
### Operation

- Pull in the direction of the arrow indicated on the body of the coupler to release the nipple

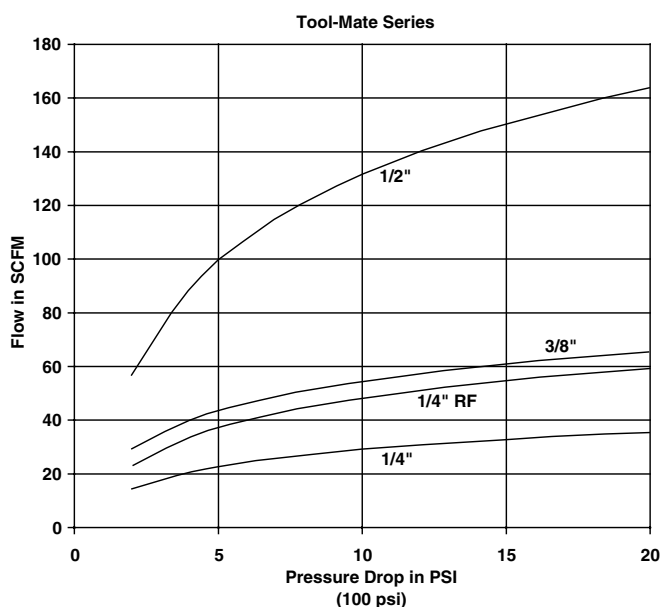
### Specifications

Body Size	1/4"	3/8"	1/2"
Rated Pressure	300	300	300
Temperature Range (°F)	5 to 158	5 to 158	5 to 158
Vacuum Service	Not Recommended		

### How To Order



### Performance



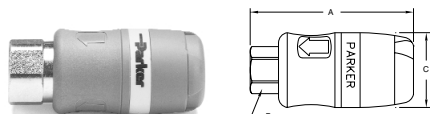
## Pneumatic Quick Couplings

## Special Purpose – Standard

### Tool-Mate Series

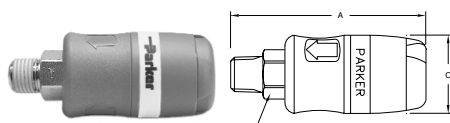
### Standard Industrial Interchange

#### Female Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PBH-251-4FP	1/4-18	2.60	.67	1.19	0.13
1/4"	PBH-251-6FP	3/8-18	2.67	.91	1.19	0.15
3/8"	PBH-371-4FP	1/4-18	2.95	.67	1.38	0.21
3/8"	PBH-371-6FP	3/8-18	2.95	.83	1.38	0.20
3/8"	PBH-371-8FP	1/2-14	3.33	.99	1.38	0.22

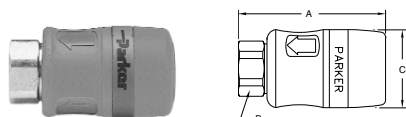
#### Male Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PBH-251-4MP	1/4-18	2.97	.83	1.19	0.14
1/4"	PBH-251-6MP	3/8-18	2.99	.91	1.19	0.19
3/8"	PBH-371-4MP	1/4-18	3.39	.83	1.38	0.23
3/8"	PBH-371-6MP	3/8-18	3.39	.83	1.38	0.23

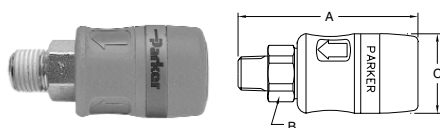
### RF Interchange

#### Female Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PER-251-4FP	1/4-18	2.83	.83	1.25	0.17
1/4"	PER-251-6FP	3/8-18	2.83	.83	1.25	0.15
1/4"	PER-251-8FP	1/2-14	3.02	.99	1.25	0.18

#### Male Pipe Thread



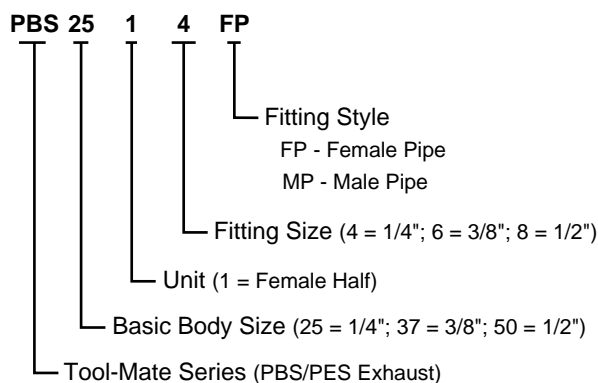
Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PER-251-4MP	1/4-18	2.36	.83	1.25	0.19
1/4"	PER-251-6MP	3/8-18	2.40	.83	1.25	0.18
1/4"	PER-251-8MP	1/2-18	2.41	.91	1.25	0.24



## Specifications

Body Size	1/4"	3/8"	1/2"
Rated Pressure	300	300	300
Temperature Range (°F)	5 to 158	5 to 158	5 to 158
Vacuum Service	Not Recommended		

## How To Order



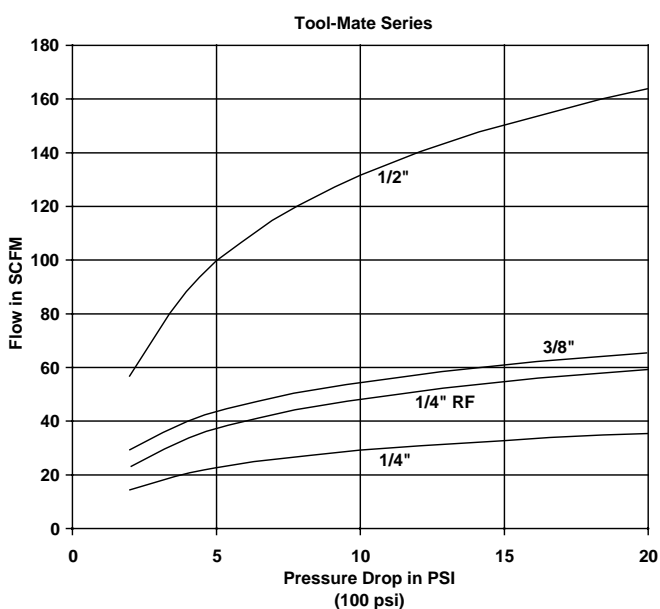
## Features

- Exhaust style Tool-Mate couplers are lightweight, easy to operate, and non-marking with easy, push-to-connect action and one-handed disconnection
- Couplers are constructed of black Polyamide material; springs, balls, and pins are stainless steel in the PES series and 1/2" PBS series; and locking fingers in the PBS series are made of polyacetate
- PBS Tool-Mate Series is built to the industrial interchange profile identifiable with a yellow ring around the body
- PES Tool-Mate Series is designed for use with high flow RF Series nipples and is identifiable with a green ring around the body
- Tool-Mate couplers meet the ISO 4414 specification to allow trapped air pressure to be vented prior to disconnection

## Operation

- Pull the body in the direction of the arrow marked 1, this will safely vent the downstream pressure
- Push the body in the direction of arrow 2 to disconnect at 0 pressure.

## Performance



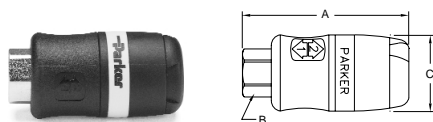
# Pneumatic Quick Couplings

## Special Purpose – Exhaust

### Tool-Mate Series

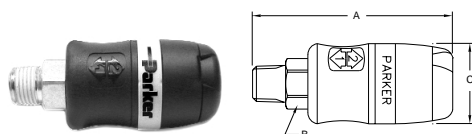
#### Exhaust Industrial Interchange

##### Female Pipe Thread



Body Size (in.)	Part No	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PBS-251-4FP	1/4-18	2.60	.67	1.19	0.13
1/4"	PBS-251-6FP	3/8-18	2.67	.91	1.19	0.15
3/8"	PBS-371-6FP	3/8-18	2.95	.82	1.38	0.20
3/8"	PBS-371-8FP	1/2-14	3.33	.99	1.38	0.22
1/2"	PBS-501-6FP	3/8-18	3.25	1.18	1.62	0.50
1/2"	PBS-501-8FP	1/2-14	3.36	1.18	1.62	0.50
1/2"	PBS-501-12FP	3/4-14	3.66	1.18	1.62	0.50

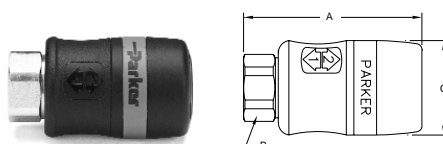
##### Male Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PBS-251-4MP	1/4-18	2.97	.67	1.19	0.14
1/4"	PBS-251-6MP	3/8-18	2.99	.91	1.19	0.19
3/8"	PBS-371-6MP	3/8-18	3.39	.82	1.38	0.23
3/8"	PBS-371-8MP	1/2-18	3.39	.91	1.38	0.28
1/2"	PBS-501-8MP	1/2-18	3.70	1.18	1.62	0.50

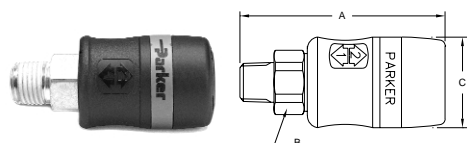
#### Exhaust RF Interchange

##### Female Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PES-251-4FP	1/4-18	2.83	.83	1.25	0.17
1/4"	PES-251-6FP	3/8-18	2.83	.83	1.25	0.15

##### Male Pipe Thread



Body Size (in.)	Part No.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
1/4"	PES-251-4MP	1/4-18	2.36	.83	1.25	0.19
1/4"	PES-251-6MP	3/8-18	2.40	.83	1.25	0.18



## Pneumatic Quick Couplings

### Special Purpose – Exhaust

E-z-mate Series



### Operation

Parker E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the On-Off arrow stamped on the yellow chromate valve sleeve. It's that easy.

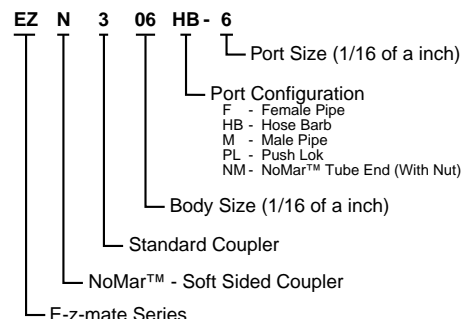
To connect, push the nipple into the coupler. The black locking sleeve automatically slides forward securely locking the nipple in place. No air is allowed to flow through the coupling at this point. The yellow chromate valve sleeve is then rotated clockwise (when viewed from the coupler port end) to open flow and automatically engage the sleeve-lock mechanism.

To disconnect, rotate the valve sleeve counter clockwise (when viewed from the coupler end). The flow of air through the coupling will be shut off and all downstream air is vented to the atmosphere. The locking sleeve may now be retracted and the nipple removed.

### Specifications

Body Size (in.)	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	4 balls	4 balls	6 balls	8 balls
Force required to Connect (lbs)	Less than 10			
Vacuum Service	Not recommended			

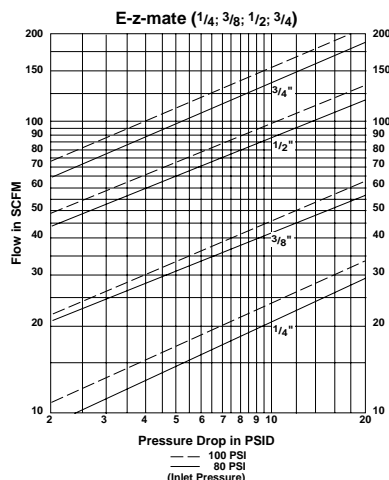
### How To Order



### Features

- Meets ISO 4414 requirements for a controlled pressure release system.
- The valve sleeve acts as an integral shut off valve that allows connect and disconnect at zero pressure. The valve sleeve is operated independently of the locking sleeve. When the sleeve is moved to shut off air flow, it automatically vents downstream pressure so disconnect can be performed easily at zero pressure.
- Built in sleeve-lok mechanically locks the valve sleeve to help prevent accidental disconnects.
- O-ring interface seal assures "bubble tight" seal and long service life.
- Proven ball locking mechanism evenly distributes load to resist wear and provide positive connections. The ball locking mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque.
- Knurling and grooves on the sleeves provide a gripping surface for ease of operation.
- Design ensures the valve sleeve is locked in place with rotational movement to prohibit disconnect under pressure.
- Venting ports exhaust down stream air to atmosphere so disconnect is at zero pressure reducing the chance of "hose whip."
- Parker's E-z-mate is an exhaust type coupler that is designed to exhaust air pressure prior to disconnection process. This allows for connection or disconnection at "ZERO" psi, which greatly reduces the force required to make the connection and disconnection and minimizes the possibility of hazardous hose whip.
- Parker E-z-mate Series couplers accept industrial interchange nipples manufactured by Parker and other manufacturers. See Table of Contents.
- Nipples used with the E-z-mate Series Couplers are the Industrial Interchange § Nipples. See Table of Contents.
- Lubricate sleeve as part of periodic maintenance to coupler
- Brass versions available. Contact the division for availability

### Performance

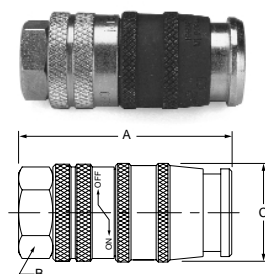


# Pneumatic Quick Couplings

## Special Purpose – Exhaust E-z-mate Series

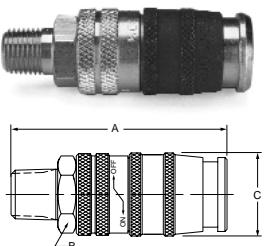
### Couplers

#### Female Pipe Thread



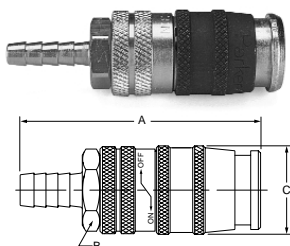
Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.)			Wt. (LB) P/Piece
				Hex Size	Largest Diameter		
			A	B	C		
1/4	EZ304F-4T	1/4-18	2.25	0.75	1.00		0.25
1/4	EZ304F-6T	3/8-18	2.68	0.88	1.01		0.29
3/8	EZ306F-6T	3/8-18	2.53	0.88	1.18		0.38
3/8	EZ306F-8T	1/2-14	3.00	1.12	1.30		0.50
1/2	EZ308F-8T	1/2-14	3.01	1.12	1.38		0.65
1/2	EZ308F-12T	3/4-14	3.44	1.38	1.59		0.70
3/4	EZ312F-12T	3/4-14	3.01	1.38	1.57		0.76
3/4	EZ312F-16T	1-11 1/2	3.52	1.56	1.80		0.92

#### Male Pipe Thread



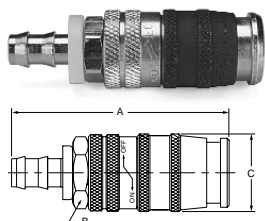
Body Size (in.)	Part No. Steel	Thread Size NPTF	Overall Length	Dimensions (in.)			Wt. (LB) P/Piece
				Hex Size	Largest Diameter		
			A	B	C		
1/4	EZ304M-4T	1/4-18	2.85	0.75	1.00		0.30
1/4	EZ304M-6T	3/8-18	2.87	0.75	1.00		0.31
3/8	EZ306M-6T	3/8-18	3.10	0.88	1.18		0.44
1/2	EZ308M-8T	1/2-14	3.62	1.12	1.38		0.73
3/4	EZ312M-12T	3/4-14	3.70	1.38	1.57		0.90

#### Standard Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.)			Wt. (LB) P/Piece
				Hex Size	Largest Diameter		
			A	B	C		
1/4	EZ304HB-4T	1/4	3.20	0.75	1.00		0.28
1/4	EZ304HB-6T	3/8	3.20	0.75	1.00		0.29
3/8	EZ306HB-6T	3/8	3.43	0.88	1.18		0.42
1/2	EZ308HB-8T	1/2	4.06	1.12	1.40		0.70
1/2	EZ308HB-12T	3/4	4.06	1.12	1.40		0.71

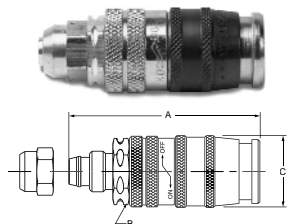
#### Push-Lok Hose Barb\*



Body Size (in.)	Part No. Steel	Hose I.D.	Overall Length	Dimensions (in.)			Wt. (LB) P/Piece
				Hex Size	Largest Diameter		
			A	B	C		
1/4	EZ304PL-4T	1/4	3.03	0.75	1.00		0.28
1/4	EZ304PL-6T	3/8	3.18	0.75	1.00		0.29
3/8	EZ306PL-6T	3/8	3.38	0.88	1.18		0.42
1/2	EZ308PL-8T	1/2	3.91	1.12	1.38		0.70
1/2	EZ308PL-10T	5/8	4.31	1.12	1.38		0.70

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

#### NoMar™ Tube End (With Nut)



Body Size (in.)	Part No. Steel	Tube Size	Overall Length	Dimensions (in.)			Wt. (LB) P/Piece
				Hex Size	Largest Diameter		
			A	B	C		
3/8	EZ306NM-8x6T	3/8 Tube I.D. 1/2 Tube O.D.	3.10	0.88	1.18		0.45

#### Note

See Table of Contents for § Industrial Interchange nipples used with E-z-mate Series couplers.

## Pneumatic Quick Couplings

### Special Purpose – Exhaust

E-z-mate NoMar™ Series



#### Description

Parker E-z-mate NoMar™ is an exhaust-style coupler designed to exhaust air pressure prior to disconnection. This allows for connection and disconnection at 0 psi, greatly reduces the force required to couple and uncouple, and minimizes the possibility of hazardous hose whip. E-z-mate couplers incorporate the industrial interchange nipple profile. These features are combined with a non-marking, oil resistant polyurethane cover.

#### Specifications

Body Size (in.)	3/8
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250° F
Locking Device	4 balls
Vacuum Data (inches Hg)	
Disconnected (coupler only)	<b>Not Recommended</b>
Connected	27.4



Body Size (in.)	Part No.	Port Size	Dimensions (in.)	**Overall Length	Hex Size	Largest Diameter	Wt.(LB) P/Piece
<b>Female Pipe Thread</b>			<b>A</b>	<b>B</b>	<b>C</b>		
3/8	EZN306F-6T	3/8" NPTF	2.53	.88	1.18	0.41	
<b>Male Pipe Thread</b>			<b>A</b>	<b>B</b>	<b>C</b>		
3/8	EZN306M-6T	3/8" NPTF	3.10	.88	1.18	0.47	
<b>Standard Hose Barb</b>			<b>A</b>	<b>B</b>	<b>C</b>		
3/8	EZN306HB-6T	3/8" Hose I.D.	3.43	.88	1.18	0.45	
<b>Push-Lok Hose Barb</b>			<b>A</b>	<b>B</b>	<b>C</b>		
3/8	EZN306PL-6T	3/8" Hose I.D.	3.38	.88	1.18	0.45	
<b>* NoMar™ Tube End (With Nut)</b>				<b>A</b>	<b>B</b>		
<b>C</b>							

\*Use in conjunction with Parflex Division Polyurethane NoMar™ Fast-Stor® Coils.

\*\*Overall length with hose shell assembled is 4.94 on all port options.

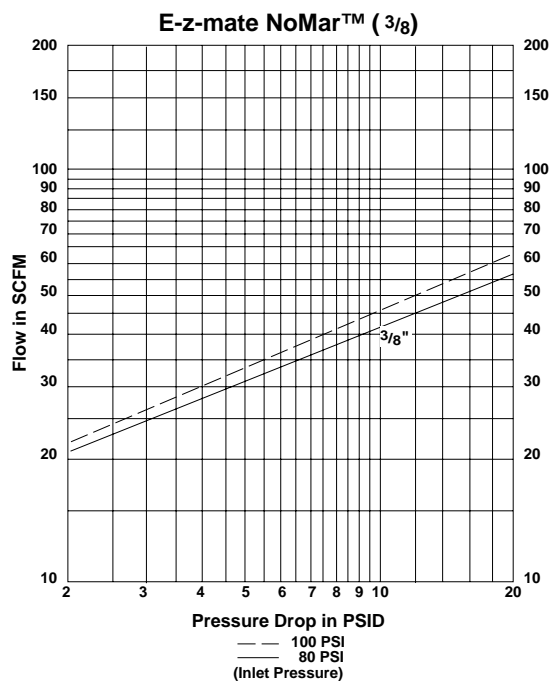
#### Operation

Parker NoMar™ E-z-mate couplers combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the On-Off arrow on the valve sleeve. It's that easy.

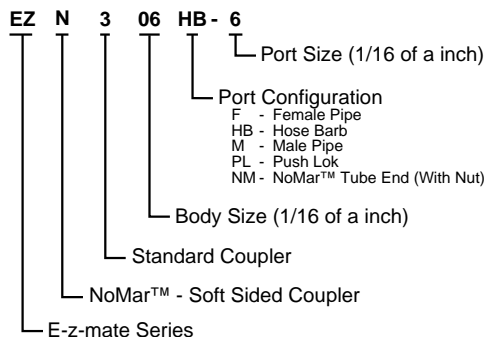
To connect, push the nipple into the coupler. The locking sleeve automatically slides forward securely locking the nipple in place. No air is allowed to flow through the coupling at this point. The valve sleeve is then rotated clockwise (when viewed from the coupler port end) to open flow and automatically engage the sleeve-lock mechanism.

To disconnect, rotate the valve sleeve counter clockwise (when viewed from the coupler port end). The flow of air through the coupling will be shut off and all downstream air vented to atmosphere. The locking sleeve may now be retracted and the nipple removed. Lubricate sleeve as part of periodic maintenance.

#### Performance



#### How To Order



Pneumatic Quick Couplings

Special Purpose – Breathing Air  
CJ Series



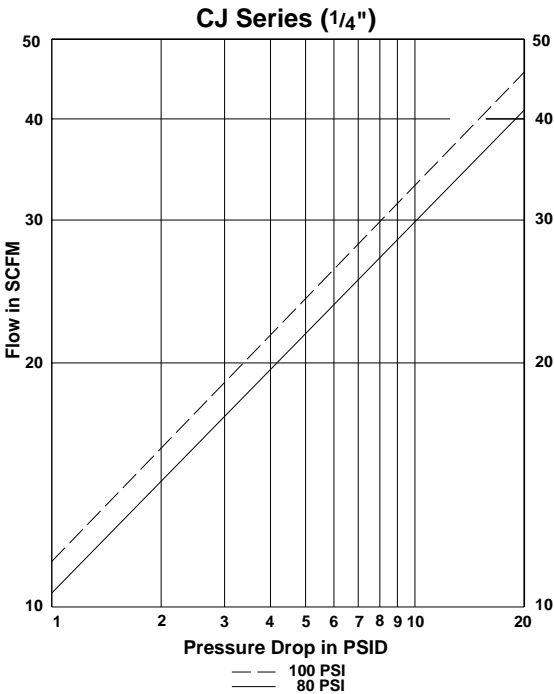
Features

- Parker CJ series couplings feature a unique design that allows for simple push-to connect operation yet requires a two step process to disconnect. To disconnect, the nipple must be pushed into the coupler before the coupler sleeve can be retracted.
- This sleeve locking feature greatly reduces the potential of accidental disconnects in applications where connection integrity is of primary importance.
- Typical uses include rescue and breathing air equipment in addition to general pneumatic applications.
- Couplers feature solid brass construction, nickel plating, sleeve guard, high flow window valve, stainless steel springs and locking balls.
- Nitrile seals are standard with Ethylene Propylene seals available by adding a "W" suffix to the part number. Example: CJ304M-4W.
- Nipples feature heat treated solid steel bar stock construction and nickel plating. CJ series couplings are available in 1/4" body size with 1/4" and 3/8" male pipe, female pipe, and hose barb ports.
- Interchanges with CEJN 342/343 series.

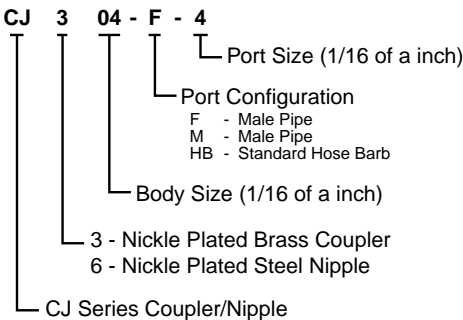
Specifications

Body Size (in.)	1/4
Rated Pressure (PSI)	150
Temperature Range	-40° to +250° F.
Locking Device	4 balls
Vacuum Service	Not Recommended

Performance



How To Order



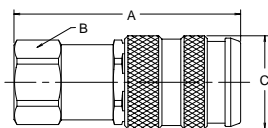
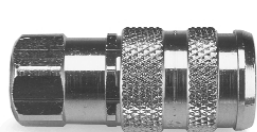
## Pneumatic Quick Couplings

### Special Purpose – Breathing Air

CJ Series

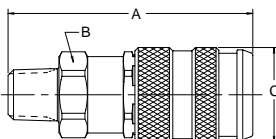
#### Couplers

##### Female Pipe



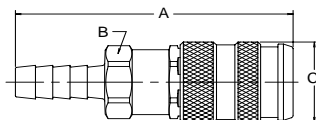
Body Size (in.)	Part No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	CJ304F-4	1/4-18	2.40	.81	.99	0.28
1/4	CJ304F-6	3/8-18	2.55	.81	.99	0.30

##### Male Pipe



Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	CJ304M-4	1/4-18	2.55	.81	.99	0.26
1/4	CJ304M-6	3/8-18	2.58	.81	.99	0.27

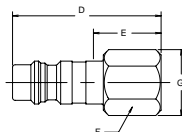
##### Hose Barb



Body Size (in.)	Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
1/4	CJ304HB-4	1/4	3.02	.81	.99	0.25
1/4	CJ304HB-6	3/8	3.02	.81	.99	0.25

#### Nipples

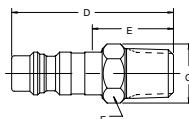
##### Female Pipe



Body Size (in.)	Part No. Steel	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Hex Size	Largest Diameter	
1/4	CJ604F-4	1/4-18	1.62	.74	.62	.72	0.06
1/4	CJ604F-6	3/8-18	1.65	.77	.81	.94	0.10

\* This dimension represents the portion that is exposed when a nipple is inserted into a Parker CJ Series coupler.

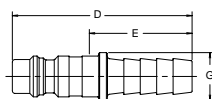
##### Male Pipe



Body Size (in.)	Part No. Steel	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Hex Size	Largest Diameter	
1/4	CJ604M-4	1/4-18	1.77	.89	.56	.72	0.05
1/4	CJ604M-6	3/8-18	1.80	.92	.69	.94	0.05

\* This dimension represents the portion that is exposed when a nipple is inserted into a Parker CJ Series coupler.

##### Hose Barb



Body Size (in.)	Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Exposed Length*	Largest Diameter	
1/4	CJ604HB-4	1/4	2.06	1.18	.55	0.04
1/4	CJ604HB-6	3/8	2.06	1.18	.55	0.04

\* This dimension represents the portion that is exposed when a nipple is inserted into a Parker CJ Series coupler.

Pneumatic Quick Couplings

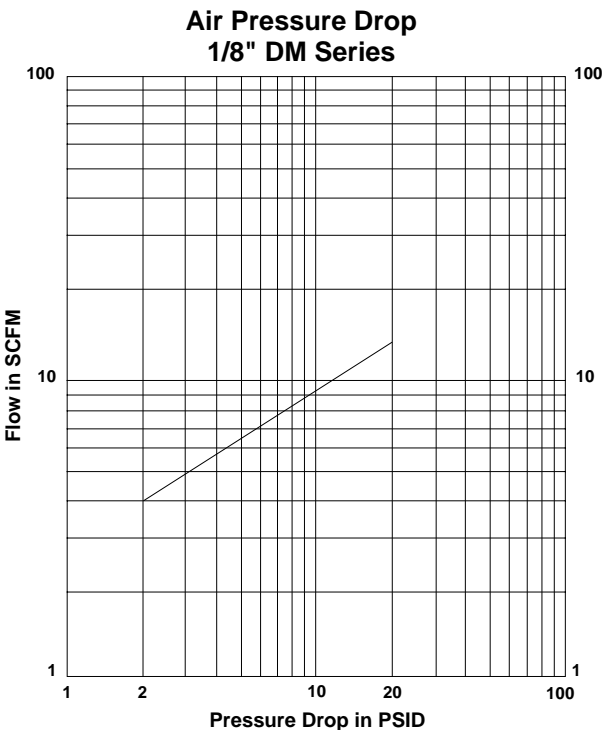
Special Purpose—Double Shut-Off  
DM Series



Features

- Parker DM Series offer double shut-off valving and push-to-connect operation in a small envelope size.
- They are constructed of nickel plated brass and are available in 1/8" body size only.
- Standard seals are Fluorocarbon, but other seal material is available upon request. 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.

Performance



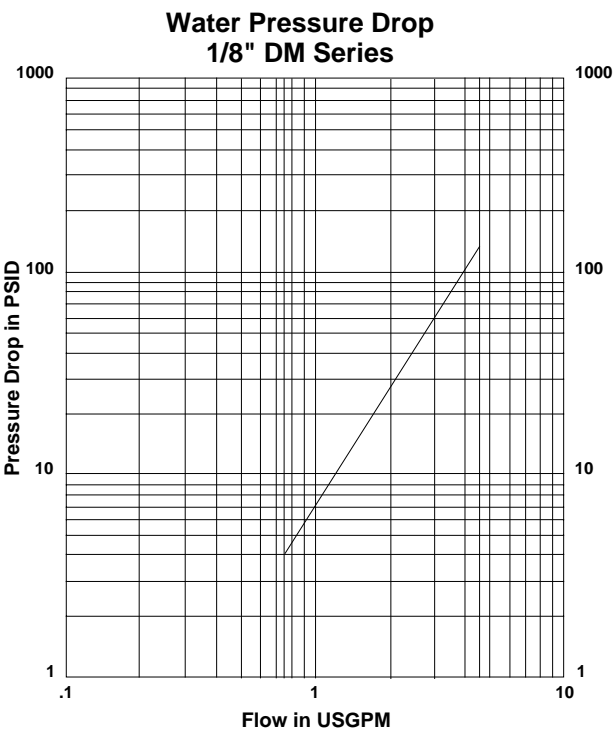
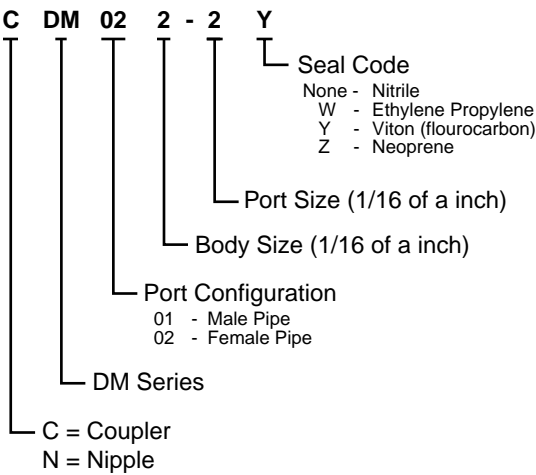
Applications

Typical applications dental equipment, lubrication equipment, fluid transfer and coolant lines.

Specifications

Body Size (in.)	1/8"
Temperature Range	-15°F to +390°F
Rated Pressure	250 PSI
Locking Device	5 Balls
Rated Flow (GPM)	0.8

How To Order

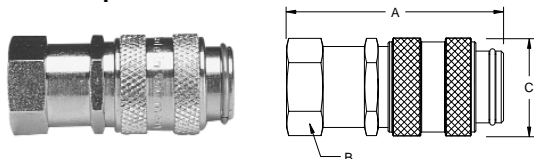


## Pneumatic Quick Couplings

## Special Purpose—Double Shut-Off DM Series

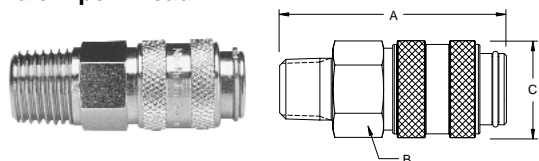
### Couplers

#### Female Pipe Thread



Body Size (in.)	Part Number Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Price
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/8	CDM02-2-2Y	1/8-27	1.42	0.55	0.63	.06
1/8	CDM02-2-4Y	1/4-18	1.81	0.67	0.78	.10

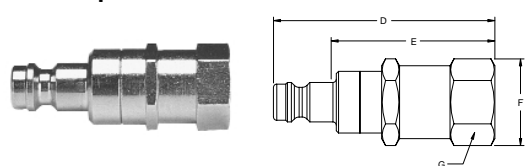
#### Male Pipe Thread



Body Size (in.)	Part Number Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Price
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/8	CDM01-2-2Y	1/8-27	1.50	0.55	0.63	.06
1/8	CDM01-2-4Y	1/4-18	1.61	0.55	0.63	.07

### Nipples

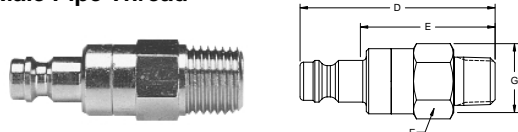
#### Female Pipe Thread



Body Size (in.)	Part Number Brass	Thread Size NPTF	Dimensions (in.)				Wt. (lb) P/Price
			Overall Length	Exposed Length*	Hex Size	Largest Diameter	
			D	E	F	G	
1/8	NDM02-2-2Y	1/8-27	1.56	1.03	0.55	0.63	.05
1/8	NDM02-2-4Y	1/4-18	1.97	1.44	0.67	0.78	.09

\* This dimension represents the portion that is exposed when a nipple is inserted into a Parker DM Series coupler.

#### Male Pipe Thread



Body Size (in.)	Part Number Brass	Thread Size NPTF	Dimensions (in.)				Wt. (lb) P/Price
			Overall Length	Exposed Length*	Hex Size	Largest Diameter	
			D	E	F	G	
1/8	NDM01-2-2Y	1/8-27	1.65	1.12	0.55	0.63	.05
1/8	NDM01-2-4Y	1/4-18	1.77	1.24	0.55	0.63	.06

\* This dimension represents the portion that is exposed when a nipple is inserted into a Parker DM Series coupler.

## Pneumatic Quick Couplings

## Accessories

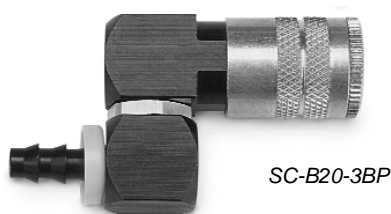
### SC Series - Pneumatic Swivel Coupler



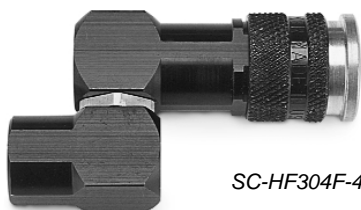
### Features

- Constructed of black anodized aluminum and brass.
- Available with HF and 20 Series in 1/4" bodies\*
- Allows 360° rotation in two planes
- Compact design-standard coupler body and swivel in one piece
- Smooth and easy movement to decrease stress in operating pneumatic tools

\*All other manual-connect products, 10, 50, and 70 Series, couplers can be incorporated into the Coupler/Swivel along with many of the push-to-connect products including: RF, UC, CJ, 10A, and 50A. If you have a need for the other configurations, contact Quick Coupling Division for pricing and delivery.



SC-B20-3BP



SC-HF304F-4

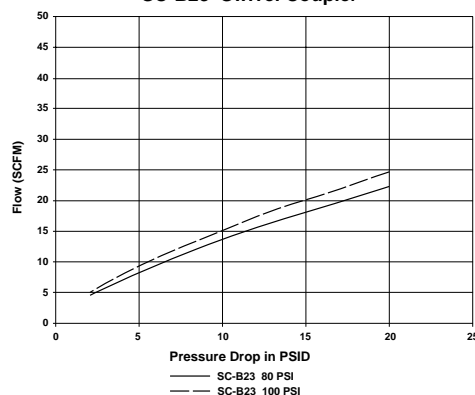
Refer to Parker Publication No. 3800-B1.0 for the selection and safe use of all Parker Quick Couplings.

### Specifications

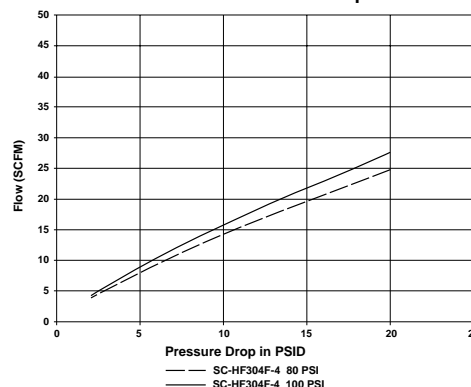
Body Size	1/4"
Rated Pressure	300
Temperature Range	-40° F to +250° F
Locking Device	4 balls

### Performance

SC-B23 Swivel Coupler



SC-HF304F-4 Swivel Coupler



Body Size (in.)	Part No.	Port Size	Dimensions (in.)		
			Overall Length	Hex Size	Largest Diameter
Female Pipe Thread			A	B	C
1/4	SC-B23	1/4-18 NPTF	2.76	.79	.88
1/4	SC-HF304F-4	1/4-18 NPTF	3.11	.79	.99
Male Pipe Thread			A	B	C
1/4	SC-B22	1/4-18 NPTF	2.76	.79	.88
1/4	SC-HF304M-4	1/4-18 NPTF	3.11	.79	.99
Push-Lok Hose Barb			A	B	C
1/4	SC-B20-3BP	1/4" Hose I.D.	3.01	.79	.88
1/4	SC-B20-5BP	3/8" Hose I.D.	3.15	.79	.88
1/4	SC-HF304PL-4	1/4" Hose I.D.	3.36	.79	.99
1/4	SC-HF304PL-6	3/8" Hose I.D.	3.50	.79	.99
Standard Hose Barb			A	B	C
1/4	SC-B20-3B	1/4" Hose I.D.	3.17	.79	.88
1/4	SC-B20-5B	3/8" Hose I.D.	3.17	.79	.88
1/4	SC-HF304HB-4	1/4" Hose I.D.	3.52	.79	.99
1/4	SC-HF304HB-6	3/8" Hose I.D.	3.52	.79	.99

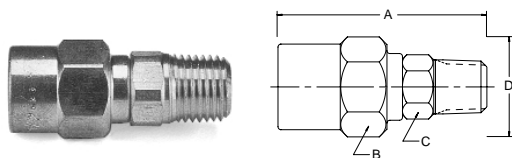


## Pneumatic Quick Couplings

## Accessories

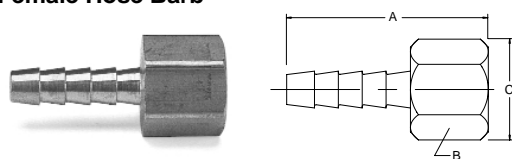
### Hose Fittings

#### Male Reusable Hose End



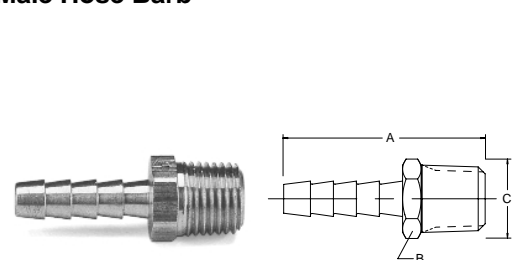
Part No. Brass	Hose I.D.	HOSE O.D.	Thread Size NPTF	Overall Length	Hex Size	Hex Size	Largest Diameter	Wt. (LB) P/Piece
				A	B	C	D	
330-C3	1/4	1/2	1/4	1.720	9/16	11/16	0.79	—
330-C5	1/4	9/16	1/4	1.720	9/16	3/4	0.87	—
330-C6	1/4	5/8	1/4	1.720	9/16	13/16	0.94	—
332-E6	3/8	5/8	1/4	2.095	9/16	7/8	1.01	—
332-E7	3/8	21/32	1/4	2.095	9/16	7/8	1.01	—
332-E8	3/8	11/16	1/4	2.095	9/16	7/8	1.01	—
332-E10	3/8	3/4	1/4	2.095	9/16	15/16	1.08	—
334-E7	3/8	21/32	3/8	2.155	11/16	7/8	1.01	—
334-E8	3/8	11/16	3/8	2.155	11/16	7/8	1.01	—

#### Female Hose Barb



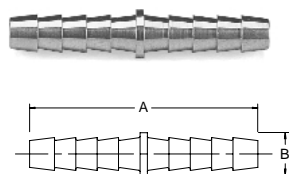
Part No. Brass	Hose I.D.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Wt. (LB) P/Piece
			A	B	C	
311	1/4	1/4	1.58	—	—	0.05
311-3/8	3/8	1/4	1.58	—	—	0.05

#### Male Hose Barb



Part No.	Hose I.D.	Thread Size NPTF	Overall Length	Hex Size	Largest Diameter	Weight P/Piece
			A	B	C	
308	1/4	1/8	1.54	0.44	0.50	0.02
310	1/4	1/4	1.64	0.56	0.65	0.02
310-5/16	5/16	1/4	1.64	0.56	0.65	0.03
310-3/8	3/8	1/4	1.64	0.56	0.65	0.11
310-1/2	1/2	1/4	1.64	0.56	0.65	0.04
318	3/8	3/8	1.71	0.69	0.79	0.05
318-1/4	1/4	3/8	1.71	0.69	0.79	0.04
318-1/2	1/2	3/8	1.71	0.69	0.79	0.06
322	1/2	1/2	1.86	0.88	1.01	0.10
322-3/8	3/8	1/2	1.86	0.88	1.01	0.09
322-3/4	3/4	1/2	1.86	0.88	1.01	0.13

#### Brass Hose Splicer



Part No. Brass	Hose I.D.	Overall Length	Largest Diameter	Wt. (LB) P/Piece
		A	B	
314	1/4	2.00	0.38	0.01
314-5/16	5/16	2.00	0.50	0.02
314-3/8	3/8	2.00	0.56	0.03

## Pneumatic Quick Couplings

## Accessories

### Blow Guns (Controlled Pressure)

#### Features

- Parker Controlled Pressure Blow Guns meet OSHA requirements (section 29 CFR 1910.242 paragraph b), and directive #100-1. "Compressed air shall not be used for cleaning purposes except where reduced to less than 30 psi, and then only with effective chip guarding and personal protective equipment."

- Parker Controlled Pressure Blow Guns have a black epoxy coated zinc body and vented nozzles to prevent pressure build-up when dead ending occurs up to 150 psi.



#### Description

**410-S** – Parker Controlled Pressure Blow Guns features thumb lever valve actuator and brass nozzle. Inlet port is 1/4" NPT.



**415-S** – Parker Controlled Pressure Blow Guns features push button valve actuator and brass nozzle. Inlet port is 1/4" NPT.



**410-SV** – Parker Venturi Nozzle Controlled Pressure Blow Gun with thumb lever valve and large venturi side ports for high volume flow. Inlet port is 1/4" NPT.

#### Specifications

Part No.	Maximum Pressure	Wt. (LB) P/Piece
410-S	150 PSI.	0.50
415-S	150 PSI	0.48
410-SV	150 PSI	0.53

## Pneumatic Quick Couplings

## Accessories

### Blow Guns (Full Pressure)

The following Parker Blow Guns must have a pressure regulator setting below 30 psi to conform to OSHA safety requirements 29 CFR 1910.242 Paragraph b.



#### Description

**410-N** – Parker thumb lever style Blow Gun features an aluminum body, extended nozzle, and 1/4" NPT female inlet.



**415-N** – Parker Blow Gun features a push button style actuator, aluminum body, and 1/4" NPT female inlet.



**410** – Parker two way thumb lever valve has an aluminum body with 1/4" NPT inlet and 1/8" NPSF outlet.

**Note:** Standard Gun without nozzle.

#### Specifications

Part No.	Maximum Pressure	Wt. (LB) P/Piece
410-N	150 PSI	0.51
415-N	150 PSI	0.49
410	150 PSI	0.48

## Pneumatic Quick Couplings

## Accessories

### BG Series



### Description

Made from impact resistant plastic, BG Series blow guns are durable and versatile. Extended nozzles allow air to be directed where it is required. The pistol grip trigger allows greater control over the amount of air delivered. Combined, these two features provide superior performance in a light weight, ergonomically designed package.

Nozzles are available in short and extended versions and most models meet OSHA directives on the use of compressed air for cleaning purposes. OSHA directive #100-1 states that "when dead ending occurs a static pressure at the main orifice shall not exceed 30 psi." For those blow guns that do not meet this requirement, OSHA requires that "compressed air shall not be used for cleaning purposes except where reduced to less than 30 psi, and then only with effective chip guarding and personal protective equipment" (section 29 CFR 1910.242 paragraph b). Please refer to the blow gun descriptions below for compatibility with OSHA directive #100-1.

Nozzle configurations are designed for maximum flexibility. Applications with special requirements may find the BG443-NBL with a 1/8" NPT fitting convenient for adapting existing nozzles or extra-long extensions. For information on specials or made-to-order blow gun nozzles, please contact the Quick Coupling Division.



Part Number	Nozzle	Meets OSHA Requirements
BG441-NBL	Extended	No



Part Number	Nozzle	Meets OSHA Requirements
BG442-SBL	Extended	Yes



Part Number	Nozzle	Meets OSHA Requirements
BG443-NBL	1/8" Female NPT	No



Part Number	Nozzle	Meets OSHA Requirements
BG444-SBL	Short	Yes



Part Number	Nozzle	Meets OSHA Requirements
BG445-SBL	Two Inch	Yes*

\* 90 PSI MAX Inlet

### Features

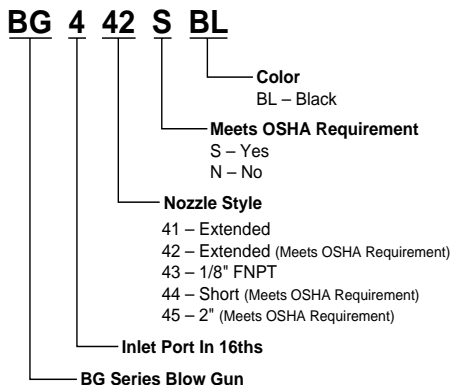
- Easy to control variable flow pistol grip trigger.
- Nozzles available that meet OSHA requirements.
- Lightweight ergonomol design.
- Bodies are constructed of impact resistant plastic.

### Specifications

Rated Pressure (PSI)	175 psi
Temperature Range	to 120° F
Inlet Port	1/4" NPTF

### How to Order

BG Part Number: **BG 4 42 S BL**



## Pneumatic Quick Couplings

## Accessories

### Two-Way Valves

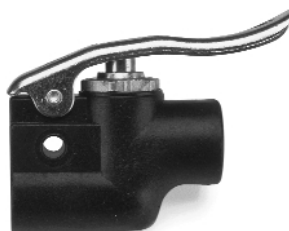
### Features

- Parker two-way valves are designed for use in air or liquid service.
- Bodies are constructed of molded polypropylene.
- The valve cartridge components are machined from brass and stainless steel for corrosion resistance and long life.
- Nitrile stem seals are standard. Add suffix Y for optional fluorocarbon seal. Consult factory for price and delivery.

### Specifications

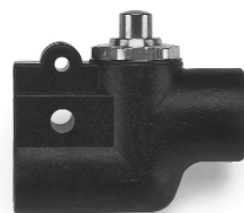
Rated Pressure (PSI)	175 @ 70° F	120 @ 180° F
Temperature Range	-20° to 180° F	

\* **Note:** All two way valves are available in three colors: Black (standard), Red and Blue. Add suffix B for black, BU for blue, R for Red. For example, P410B, P410BU, P410R.

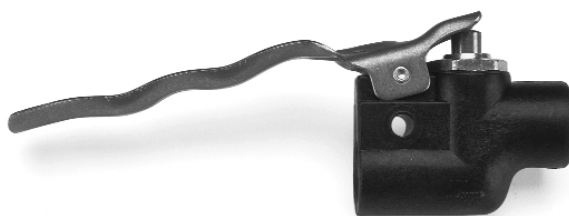


### Description

**P410\*** – Two way valve with forward positioned lever handle. Inlet and outlet ports are 1/4" NPT.



**P415\*** – Two way valve features push button style valve actuator. Inlet and outlet ports are 1/4" NPT.



**P420\*** – Reverse oriented lever handle is used in carpet cleaning applications which utilize tube mounted valves. Inlet and outlet ports are 1/4".

## Pneumatic Quick Couplings

## Accessories

### Air Line Filters

**150M** – The Parker Air Line Filter is an extremely effective accessory that protects air equipment from rust, pipe scale, and dirt. It reduces down time, prevents expensive repairs and prolongs tool life. The 150 M filter can also be used for effective filtration of other compatible fluids. Available with 1/4" female NPT inlet and 1/4" male NPT outlet. The nominal 40 Micron sintered metal element is easily replaced. Or it can be simply cleaned by reversing flow (back flushing). Element replacement kit number is

**150M-05\***, which includes necessary seals.

\*Other Micron filtration elements, including necessary seals, are available from the division upon request.



### Specifications

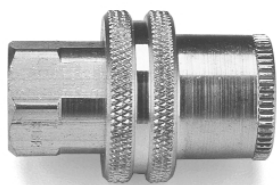
<b>Filtration</b>	
40 Micron (.00016") nominal.	
Effective area	1 sq. in.
<b>Pressure Rating</b>	
Working Pressure (PSI)	1000

## Pneumatic Quick Couplings

## Accessories

### Coupler Options

### Grip-Ring Sleeve

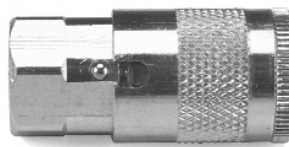


#### Features

- This Grip-Ring sleeve enables the operator to connect or disconnect the coupling easily, even with greasy hands or while wearing heavy gloves.
- Grip-Ring sleeves are available for all 10 and 20 Series couplers. To specify a model with a Grip-Ring sleeve, add the suffix letter "R" to the regular model number. Example: B13R.

**Caution:** The Grip-Ring sleeve is subject to unintended disconnect if dragged on the end of a hose. Do not attempt to pull it over obstacles.

### Sleeve-Lok



#### Features

- All sizes of 10, 20, 30, 50, and 70 Series couplers can be furnished with Locking Sleeves, as illustrated.
- Place suffix letters -"SL" (Sleeve-Lok) after regular catalog number. Example: B13-SL.

## Pneumatic Quick Couplings

## Ordering Information

### Ordering Information

When ordering Parker coupler bodies and nipples, please state the part number of each type of coupler body and each type of nipple desired. List coupler bodies and nipples as separate items rather than in combinations. Be sure to double check thread or hose sizes of items required.

Many of Parker's coupling products are available with unique non-standard options well suited to very specific applications. Examples of unusual end use applications might include: high temperatures (above 250° F), extremely caustic/corrosive solutions passing through the coupling, external/environmental corrosion situations, or other high wear and tear situations such as dragging the product along the ground. It is always recommended that the Quick Coupling Division be contacted with any questions concerning specific product application needs.

Typically, a prefix or suffix is added to the base part number to specify a non-standard O-ring seal, or special option such as a sleeve lock. The list at right illustrates the designations.

Please Note: Certain couplings series have additional "Special Order Information" which should be referred to in ordering those products. If applicable to the product, "Special Order Information" is found next to the Features and Specifications charts.

#### Coupling Material

##### Coupler

- Prefix "B" for Brass - available for 3/8 & 1/2" body sizes only
- Suffix "N" for Stainless Steel springs, locking balls and brass valves. (10, 20, 30, 50, and 70 series only)

##### Nipple

- Prefix "B" for Brass (Standard material is steel)

#### Seals\*

	Material	Suffix
Standard	Buna-N	none
Optional	Ethylene Propylene	W
Optional	Fluorocarbon	Y

#### Operation

- Suffix "SL" for coupler sleeve-lok (10, 20, 50, and 70 series only)
- Suffix "R" for grip-ring sleeve (10 and 20 series only)

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

