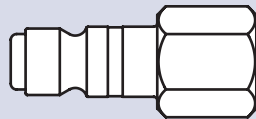


### Popular Coupling Designs

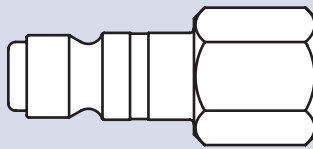
Parker's Quick Coupling Division manufactures quick couplings to interchange with popular designs that have become accepted standards in the industry today. The actual size nipple chart below can be used to help select Parker Quick Couplings that will interchange with specific nipple designs and sizes.

#### 10 Series

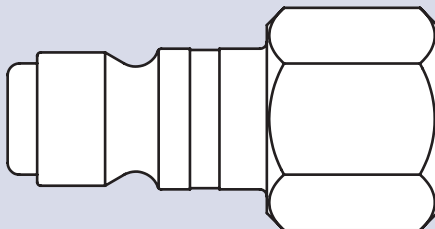
(Tru-Flate Automotive Interchange)



1/4" Body Size

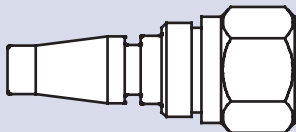


3/8" Body Size

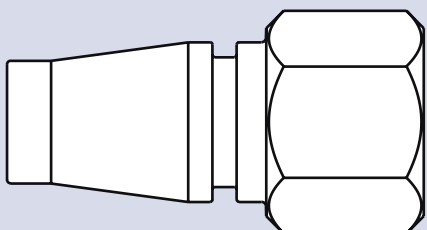


1/2" Body Size

#### Twist-Lock (Schrader Interchange)

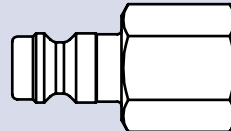


1/4" Body Size

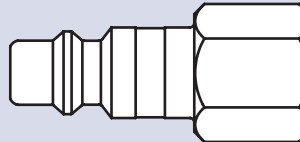


1/2" Body Size

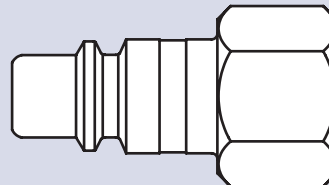
#### 20 Series, 30 Series, Rectus 21, 23, 30 Series, E-z-mate (Industrial Interchange)



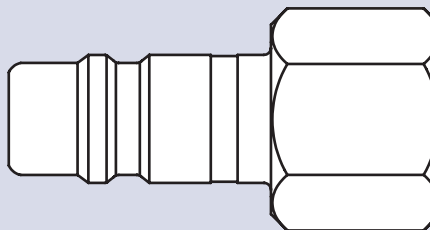
1/8" Body Size



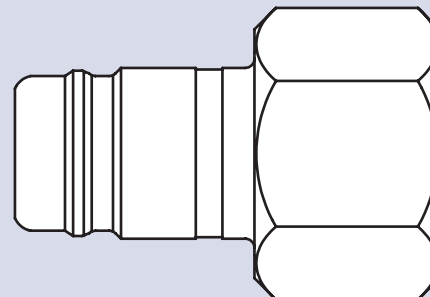
1/4" Body Size



3/8" Body Size

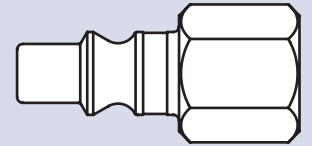


1/2" Body Size



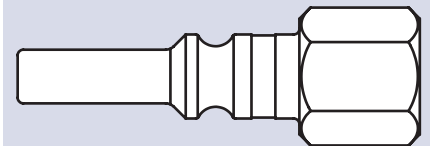
3/4" Body Size

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



1/4" Body Size

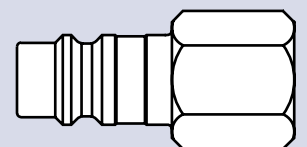
#### 70 Series (Lincoln Interchange)



1/4" Body Size

#### Rectus 25 Series

(European Interchange)



1/4" Body Size



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# Pneumatic Quick Couplings

## General Purpose

# Industrial Interchange Nipples

## A-A-59439, MIL- C-4109F Design

Non-valved, straight through



Parker Industrial Interchange Nipples are compatible for use with 20 Series, 30 Series, Rectus 21, 23, 30 Series, Universal or E-z-mate couplers. The standard male tip of the pneumatic industry, these nipples are interchangeable with similar nipples manufactured to the same requirements.

### Features:

- Conforms to A-A-59439 (MIL-C-4109F, ISO 6150-B) requirements for global interchangeability
- Steel nipples have hardened wear points and load-bearing areas
- Unvalved style nipple mates with valved couplers

### Applications include:

- Air compressors
- Pneumatic tools
- Drop-down air lines

### Optional Material:

(add code to part number)

Code	Description	Part Number Example
prefix <b>B</b>	Brass body	BH1E

Contact QCD for availability and additional options.

## Nipples - Female Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303) **	Thread Size	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	–	H1C	–	1/8-27 NPTF	1.48	0.71	0.58	0.50	0.03
1/4	BH3C	H3C	SH3C	1/4-18 NPTF	1.56	0.80	0.72	0.62	0.05
1/4	–	H3C-E	SH3C-E	3/8-18 NPTF	1.60	0.83	0.94	0.81	0.08
3/8	–	H1E	–	1/4-18 NPTF	1.60	0.69	0.72	0.62	0.06
3/8	BH3E	H3E	–	3/8-18 NPTF	1.72	0.74	0.94	0.81	0.10
3/8	–	H3E-F	–	1/2-14 NPTF	1.89	0.90	1.16	1.00	0.13
1/2	–	H1F	–	3/8-18 NPTF	2.03	0.79	0.94	0.81	0.12
1/2	BH3F	H3F	–	1/2-14 NPTF	2.20	0.83	1.16	1.00	0.19
1/2	–	H3F-G	–	3/4-14 NPTF	2.30	1.05	1.44	1.25	0.26
3/4	–	H3G-F	–	1/2-14 NPTF	2.22	1.06	1.16	1.00	0.23
3/4	–	H3G	–	3/4-14 NPTF	2.18	1.02	1.44	1.25	0.34
3/4	–	H3G-J	–	1-11 1/2 NPTF	2.41	1.25	1.80	1.63	0.47

\* This dimension represents the portion of the nipple that is exposed when the nipple is connected to a Parker 20 Series coupler.

\*\*Prop 65 Warning does not apply to stainless steel part numbers.



**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## Nipples - Male Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303)**	Thread Size	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	—	H0C	—	1/8-27 NPTF	1.68	0.92	0.58	0.50	0.05
1/4	BH2C	H2C	SH2C	1/4-18 NPTF	1.66	0.89	0.65	0.56	0.06
1/4	—	H2C-E	SH2C-E	3/8-18 NPTF	1.90	1.14	0.80	0.69	0.07
3/8	—	H00E	—	1/8-27 NPTF	1.68	0.73	0.72	0.62	0.08
3/8	—	H0E	—	1/4-18 NPTF	1.90	0.95	0.72	0.62	0.08
3/8	BH2E	H2E	—	3/8-18 NPTF	1.90	0.95	0.80	0.69	0.09
3/8	—	H2E-F	—	1/2-14 NPTF	2.03	1.09	1.02	0.88	0.15
1/2	—	H0F	—	3/8-18 NPTF	2.20	0.96	0.79	0.69	0.16
1/2	BH2F	H2F	—	1/2-14 NPTF	2.35	1.09	1.01	0.88	0.18
1/2	—	H2F-G	—	3/4-14 NPTF	2.40	1.16	1.22	1.06	0.24
3/4	—	H2G-F	—	1/2-14 NPTF	2.32	1.16	1.16	1.00	0.22
3/4	BH2G	H2G	—	3/4-14 NPTF	2.28	1.12	1.22	1.06	0.28
3/4	—	H2G-J	—	1-11 1/2 NPTF	2.56	1.40	1.52	1.31	0.36

## Nipples - Standard Hose Barb



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303)**	Hose I.D.	Length	Exposed Length*	Largest Diameter	Weight (lbs.)
1/4	—	H8C	—	1/4	1.72	0.95	0.46	0.04
1/4	—	—	SH8C	1/4	2.09	1.33	0.56	0.04
1/4	—	H8C-D	—	5/16	1.96	1.20	0.50	0.04
1/4	—	H9C	SH9C	3/8	1.96	1.20	0.50	0.05
3/8	—	H5E	—	3/8	1.85	0.90	0.59	0.07
3/8	—	H6E	—	1/2	2.09	1.14	0.68	0.08
1/2	—	H4F	—	3/8	2.36	1.12	0.66	0.10
1/2	—	H5F	—	1/2	2.36	1.12	0.66	0.11
1/2	—	H5F-G	—	3/4	2.95	1.71	0.87	0.18
3/4	—	H5G-F	—	1/2	2.47	1.31	0.93	0.19
3/4	BH5G	H5G	—	3/4	3.00	1.84	0.93	0.25
3/4	—	H5G-J	—	1	3.24	2.08	1.24	0.36

\* This dimension represents the portion of the nipple that is exposed when the nipple is connected to a Parker 20 Series coupler.

\*\*Prop 65 Warning does not apply to stainless steel part numbers.



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Nipples - Push-Lok Hose Barb\*\*



Body Size	Part Number Brass	Part Number Steel	Hose I.D.	Length	Exposed Length*	Largest Diameter	Weight (lbs.)
1/4	BH8CP	H8CP	1/4	1.74	0.97	0.69	0.04
1/4	–	H9CP	3/8	1.96	1.19	0.86	0.05
3/8	–	H4EP	1/4	1.87	0.92	0.69	0.06
3/8	–	H5EP	3/8	2.02	1.07	0.86	0.07
3/8	–	H6EP	1/2	2.21	1.27	0.97	0.09
1/2	–	H4FP	3/8	2.36	1.11	0.86	0.11
1/2	–	H5FP	1/2	2.48	1.24	0.97	0.11
1/2	–	H6FP	5/8	2.95	1.71	1.14	0.14

\* This dimension represents the portion of the nipple that is exposed when the nipple is connected to a Parker 20 Series coupler.

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

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20 Series Pneumatic Couplers mate with Industrial Interchange nipples, the standard male tip of the pneumatic industry. Available options include Sleeve-Lok, stainless steel locking balls and springs, and grip-ring sleeve.

### Features:

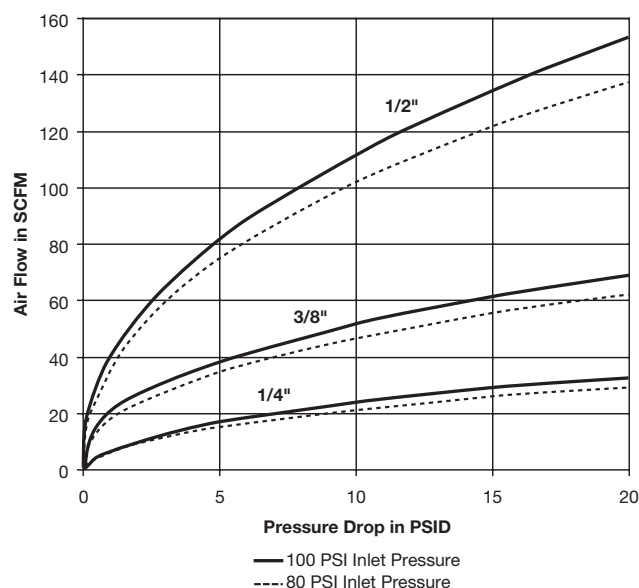
- Mates with Industrial Interchange nipples manufactured to A-A-59439 (MIL-C-4109F, ISO 6150-B) global standards
- 1/4" body size has a brass body and steel valve, 3/8" body size has all steel construction
- Tubular valve delivers high flow with minimal pressure drop
- Integral sleeve guard resists accidental disconnection
- Standard seal is Nitrile

### Applications:

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

### Performance

20 Series (1/4", 3/8", 1/2" sizes)



### 20 Series Specifications

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

### Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
3/8	Nitrile	14K
3/8	Ethylene Propylene	14KW
3/8	Fluorocarbon	14KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY
3/4	Nitrile	38K
3/4	Ethylene Propylene	38KW
3/4	Fluorocarbon	38KY



### Couplers - Female Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303) **	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B23A	–	–	1/8-27 NPTF	1.83	0.90	0.75	0.20
1/4	B23	–	S23	1/4-18 NPTF	1.83	0.90	0.75	0.19
1/4	B23E	–	–	3/8-18 NPTF	1.95	0.94	0.81	0.20
3/8	–	25C	–	1/4-18 NPTF	2.22	1.06	0.88	0.30
3/8	B25	25	–	3/8-18 NPTF	2.28	1.06	0.88	0.32
3/8	–	25F	–	1/2-14 NPTF	2.55	1.16	1.00	0.34
1/2	–	17E	–	3/8-18 NPTF	2.74	1.19	1.00	0.46
1/2	B17	17	–	1/2-14 NPTF	2.96	1.19	1.00	0.50
1/2	–	17G	–	3/4-14 NPTF	3.19	1.44	1.25	0.56

### Couplers - Male Pipe Thread



Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303) **	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B22A	–	–	1/8-27 NPTF	1.89	0.90	0.75	0.18
1/4	B22	–	S22	1/4-18 NPTF	2.05	0.90	0.75	0.18
1/4	B22E	–	–	3/8-18 NPTF	2.08	0.90	0.75	0.19
3/8	–	24C	–	1/4-18 NPTF	2.36	1.06	0.88	0.26
3/8	B24	24	–	3/8-18 NPTF	2.39	1.06	0.88	0.29
3/8	–	24F	–	1/2-14 NPTF	2.55	1.16	0.88	0.29
1/2	–	16E	–	3/8-18 NPTF	2.93	1.19	1.00	0.42
1/2	B16 *	16	–	1/2-14 NPTF	3.08	1.19	1.00	0.47
1/2	–	16G	–	3/4-14 NPTF	3.21	1.30	1.13	0.56

\* Coupler has brass body and steel sleeve.

\*\* Prop 65 Warning does not apply to stainless steel part numbers.

#### Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
prefix <b>B</b>	Brass body (Couplers - 3/8" & 1/2" sizes only)	B24C
suffix <b>N</b>	Stainless steel springs, locking balls & brass valves (Couplers)	B24N
suffix <b>-SL</b>	Sleeve-Lok (Couplers)	24-SL
suffix <b>R</b>	Grip Ring sleeve (Couplers)	24R
suffix <b>W</b>	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	24W
suffix <b>Y</b>	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	24Y

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



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### Couplers - Standard Hose Barb



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B20-3B	–	1/4	2.49	0.90	0.75	0.18
1/4	B20-4B	–	5/16	2.49	0.90	0.75	0.18
1/4	B20-5B	–	3/8	2.49	0.90	0.75	0.18
3/8	–	24-5B	3/8	2.60	1.06	0.88	0.27
3/8	–	24-6B	1/2	2.60	1.06	0.88	0.28
1/2	–	16-5B	3/8	3.14	1.19	1.00	0.41
1/2	–	16-6B	1/2	3.14	1.19	1.00	0.43
1/2	–	16-7B	3/4	3.60	1.19	1.00	0.48

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



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B20-3BP	–	1/4	2.32	0.90	0.75	0.18
1/4	B20-5BP	–	3/8	2.47	0.90	0.75	0.19
3/8	–	24-5BP	3/8	2.88	1.06	0.88	0.27
1/2	–	16-5BP	3/8	3.35	1.19	1.00	0.41
1/2	–	16-6BP	1/2	3.46	1.19	1.00	0.43

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

NOTE: See Table of Contents for pneumatic Industrial Interchange nipples used with 20 Series couplers.



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# Pneumatic Quick Couplings - General Purpose

## 30 Series Couplers Accepts Industrial Interchange Nipples

Push-to-connect sleeve, single shut off



30 Series Pneumatic Couplers mate with Industrial Interchange nipples, the standard male tip of the pneumatic industry. The couplers have brass bodies. Standard seal is Nitrile.

### Features:

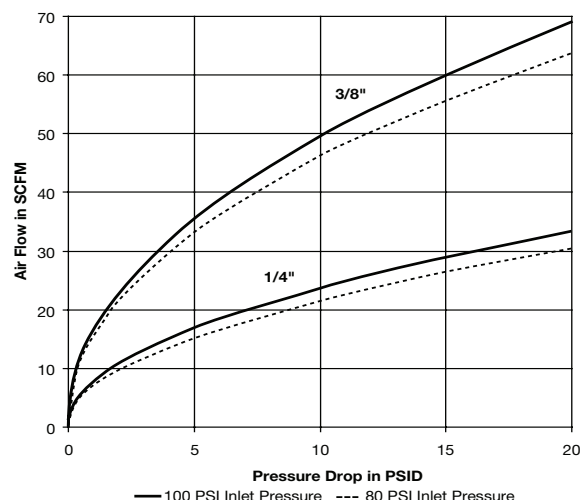
- Mates with Industrial Interchange nipples manufactured to A-A-59439 (MIL-C-4109F, ISO 6150-B) global standards
- Tubular valve delivers high flow with minimal pressure drop
- Push-to-connect operation
- Options include Sleeve-Lok, brass valve for added corrosion resistance, and alternative seal materials

### Applications include:

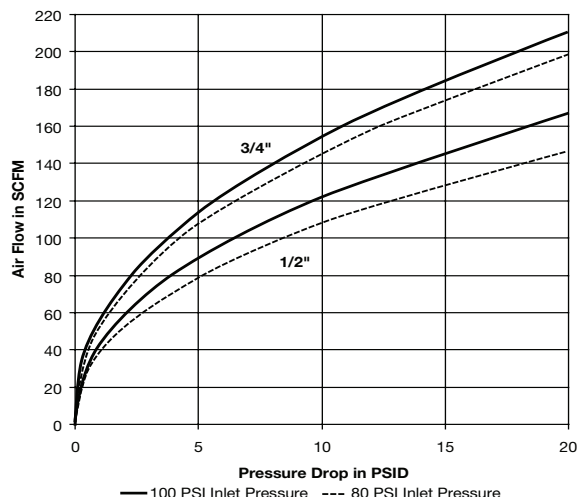
- Air compressors
- Pneumatic tools
- Water
- Grease
- Paint

### Performance

30 Series (1/4" & 3/8" sizes)



30 Series (1/2" & 3/4" sizes)



### 30 Series Specifications

Body Size	1/4	3/8	1/2	3/4
Rated Pressure (psi)	300			
Temperature Range (std seals)	-40° to +250° F			
Locking Device	3 pawls	3 pawls	6 pawls	6 pawls
Vacuum Data (in. Hg.)	—			
Disconnected (coupler only)	Not Recommended			
Connected	27.4			

### Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
3/8	Nitrile	14K
3/8	Ethylene Propylene	14KW
3/8	Fluorocarbon	14KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY
3/4	Nitrile	38K
3/4	Ethylene Propylene	38KW
3/4	Fluorocarbon	38KY





### Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B33A	1/8-27 NPTF	1.96	1.20	0.75	0.30
1/4	B33	1/4-18 NPTF	1.96	1.20	0.75	0.28
1/4	B33E	3/8-18 NPTF	2.03	1.20	0.81	0.30
3/8	B35C	1/4-18 NPTF	2.26	1.39	0.88	0.42
3/8	B35	3/8-18 NPTF	2.33	1.39	0.88	0.42
3/8	B35F	1/2-14 NPTF	2.57	1.39	1.00	0.46
1/2	B37E	3/8-18 NPTF	2.76	1.52	1.00	0.56
1/2	B37	1/2-14 NPTF	3.00	1.52	1.00	0.66
1/2	B37G	3/4-14 NPTF	3.12	1.52	1.25	0.73
3/4	B39F	1/2-14 NPTF	2.85	1.90	1.31	0.15
3/4	B39	3/4-14 NPTF	2.99	1.90	1.31	1.10
3/4	B39J	1-11 1/2 NPTF	3.18	1.90	1.63	1.24

### Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B32A	1/8-27 NPTF	2.03	1.20	0.75	0.27
1/4	B32	1/4-18 NPTF	2.18	1.20	0.75	0.28
1/4	B32E	3/8-18 NPTF	2.18	1.20	0.75	0.28
3/8	B34C	1/4-18 NPTF	2.38	1.39	0.88	0.36
3/8	B34	3/8-18 NPTF	2.44	1.39	0.88	0.39
3/8	B34F	1/2-14 NPTF	2.57	1.39	0.88	0.41
1/2	B36E	3/8-18 NPTF	2.92	1.52	1.00	0.58
1/2	B36	1/2-14 NPTF	3.09	1.52	1.00	0.61
1/2	B36G	3/4-14 NPTF	3.12	1.52	1.13	0.67
3/4	B38	3/4-14 NPTF	2.95	1.90	1.31	0.91
3/4	B38J	1-11 1/2 NPTF	3.12	1.90	1.31	0.99



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## Couplers - Standard Hose Barb



Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B30-3B	1/4	2.62	1.20	0.75	0.27
1/4	B30-4B	5/16	2.62	1.20	0.75	0.27
1/4	B30-5B	3/8	2.62	1.20	0.75	0.28
3/8	B34-5B	3/8	2.65	1.39	0.88	0.39
3/8	B34-6B	1/2	2.65	1.39	0.88	0.41
1/2	B36-6B	1/2	3.13	1.52	1.00	0.59
1/2	B36-7B	3/4	3.60	1.52	1.00	0.65
3/4	B38-7B	3/4	3.69	1.90	1.31	0.93
3/4	B38-8B	1	3.93	1.90	1.31	1.03

## Couplers - Push Lok Hose Barb\*



Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B30-3BP	1/4	2.45	1.20	0.75	0.27
1/4	B30-5BP	3/8	2.60	1.20	0.75	0.29
3/8	B34-5BP	3/8	2.82	1.39	0.88	0.40
1/2	B36-6BP	1/2	3.46	1.52	1.00	0.56

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

### Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
suffix <b>N</b>	Stainless steel springs, locking balls & brass valves (Couplers)	B34N
suffix <b>-SL</b>	Sleeve-Lok (Couplers)	B34-SL
suffix <b>W</b>	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	B34W
suffix <b>Y</b>	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	B34Y

Contact QCD for availability and additional options.

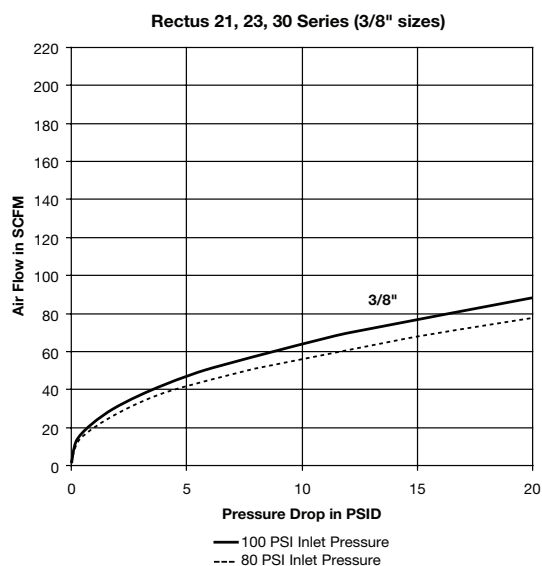
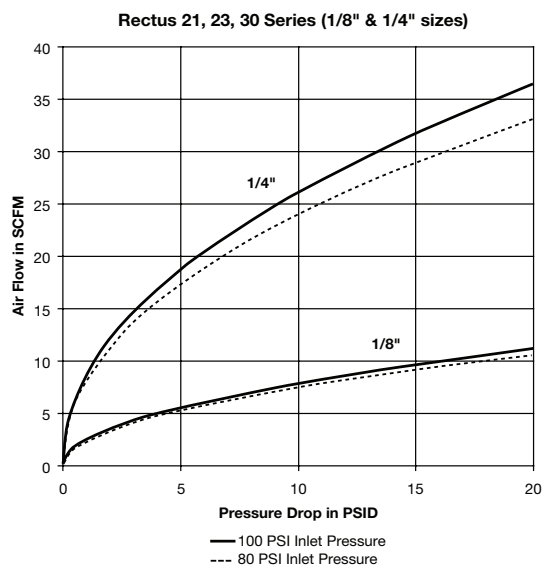
To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



### Performance



Rectus 21, 23, 30 Series Pneumatic Quick Couplers connect with Industrial Interchange nipples, the standard male tip of the pneumatic industry. The 1/8" and 1/4" couplers have nickel plated brass construction, a corrosion resistant valve, stainless steel locking balls and a stainless steel valve spring. The 3/8" couplers have nickel plated steel construction, a corrosion resistant valve, stainless steel locking pins and a stainless steel valve spring.

### Features:

- Integral sleeve guard protects against accidental disconnection
- Push-to-connect operation
- Slim profile

### Applications include:

- Air compressors
- Pneumatic tools
- Drop-down air lines

### Rectus 21, 23, 30 Series Specifications

Body Size	1/8	1/4	3/8
Rated Pressure (psi)	250	300	300
Temperature Range (std seals)	-4° to +212° F		
Locking Device	5 balls	4 balls	6 balls
Vacuum Data (in. Hg.)			
Disconnected (coupler only)	Not Recommended		



### 1/8" Body Size Couplers - Female Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	21KAIN10MPN	HF-121-2FP	1/8-27 NPSF	1.42	0.63	0.55	0.06
1/8	21KAIN13MPN	HF-121-4FP	1/4-18 NPSF	1.81	0.63	0.67	0.10

### 1/8" Body Size Couplers - Male Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	21KAAN10MPN	HF-121-2MP	1/8-27 NPT	1.50	0.63	0.55	0.06
1/8	21KAAN13MPN	HF-121-4MP	1/4-18 NPT	1.61	0.63	0.55	0.07

### 1/8" Body Size Nipples - Female Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	21SF1N10MXN	HF-124-2FP	1/8-27 NPSF	1.08	0.58	0.50	0.03
1/8	21SF1N13MXN	HF-124-4FP	1/4-18 NPSF	1.34	0.78	0.67	0.07

### 1/8" Body Size Nipples - Male Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	21SFAN10MXN	HF-124-2MP	1/8-27 NPT	1.06	0.51	0.44	0.03
1/8	21SFAN13MXN	HF-124-4MP	1/4-18 NPT	1.25	0.63	0.56	0.05



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### 1/4, 3/8" Body Size Couplers - Female Pipe Thread



Body Size	New Part No. Nickel Plated Brass	New Part No. Nickel Plated Steel	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	23KAIN13MPN	-	HF-251-4FP	1/4-18 NPSF	2.19	0.99	0.81	0.26
1/4	23KAIN17MPN	-	HF-251-6FP	3/8-18 NPSF	2.34	0.99	0.81	0.27
3/8	-	30KAIN13SPN	HF-371-4FP	1/4-18 NPSF	2.17	1.19	0.87	0.33
3/8	-	30KAIN17SPN	HF-371-6FP	3/8-18 NPSF	2.30	1.19	0.87	0.31
3/8	-	30KAIN21SPN	HF-371-8FP	1/2-14 NPSF	2.48	1.19	0.94	0.35

### 1/4, 3/8" Body Size Couplers - Male Pipe Thread



Body Size	New Part No. Nickel Plated Brass	New Part No. Nickel Plated Steel	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	23KAAN13MPN	-	HF-251-4MP	1/4-18 NPTF	2.34	0.99	0.81	0.25
1/4	23KAAN17MPN	-	HF-251-6MP	3/8-18 NPTF	2.37	0.99	0.81	0.26
3/8	-	30KAAN13SPN	HF-371-4MP	1/4-18 NPTF	2.07	1.19	0.87	0.32
3/8	-	30KAAN17SPN	HF-371-6MP	3/8-18 NPTF	2.07	1.19	0.87	0.3
3/8	-	30KAAN21SPN	HF-371-8MP	1/2-14 NPTF	2.24	1.19	0.87	0.33

### 1/4, 3/8" Body Size Couplers - Standard Hose Barb



Body Size	New Part No. Nickel Plated Brass	New Part No. Nickel Plated Steel	Old Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	23KATF06MPN	-	HF-251-4HB	1/4	2.81	0.99	0.81	0.26
1/4	23KATF10MPN	-	HF-251-6HB	3/8	2.81	0.99	0.81	0.27
3/8	-	30KATF10SPN	HF-371-6HB	3/8	2.60	1.19	0.83	0.31
3/8	-	30KATF13SPN	HF-371-8HB	1/2	2.60	1.19	0.83	0.34

### 1/4, 3/8" Body Size Couplers - Push-Lok Hose Barb\*



Body Size	New Part No. Nickel Plated Brass	New Part No. Nickel Plated Steel	Old Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	23KATP06MPN	-	HF-251-4PL	1/4	2.64	0.99	0.81	0.26
1/4	23KATP10MPN	-	HF-251-6PL	3/8	2.78	0.99	0.81	0.27
3/8	-	30KATP10SPN	HF-371-6PL	3/8	2.54	1.19	0.83	0.33
3/8	-	30KATP13SPN	HF-371-8PL	1/2	2.68	1.19	0.83	0.31

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



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# Pneumatic Quick Couplings

## General Purpose

## 10 Series Couplers

### Tru-Flate Design (Automotive Interchange)

Manual sleeve, single shut off



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

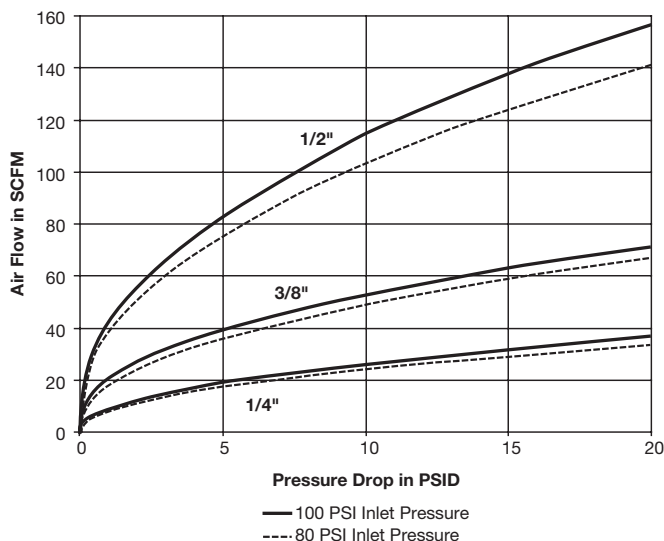
### Features:

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

### Applications include:

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

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



### Optional Materials and Features:

(add code to part number)

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

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.

### 10 Series Specifications

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

### Repair Kits

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



### Nipples - Female Pipe Thread



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

### Nipples - Male Pipe Thread



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

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

\*\*\* Prop 65 Warning does not apply to stainless steel part numbers

### Nipples - Standard Hose Barb



Body Size	Part No. Steel	Hose I.D.	Length	Exposed Length**	Largest Diameter	Weight (lbs)
1/4	8C	1/4	1.63	.090	0.45	0.04
1/4	9C	3/8	2.00	1.27	0.55	0.05
3/8	5E	3/8	1.81	0.98	0.59	0.07
1/2	H4F	3/8	2.36	1.29	0.66	0.08
1/2	5F	1/2	2.36	1.60	0.66	0.11
1/2	H5F-G	3/4	2.95	1.91	0.87	0.18

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



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

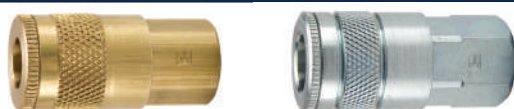


Body Size	Part No. Steel	Hose I.D.	Length	Exposed Length**	Largest Diameter	Weight (lbs)
1/4	8CP	1/4	1.66	0.93	0.45	0.04
1/4	9CP	3/8	1.98	1.25	0.86	0.05
3/8	5EP	3/8	1.98	1.06	0.59	0.08
1/2	H4FP	3/8	2.52	1.27	0.86	0.11
1/2	H5FP	1/2	2.66	1.42	0.97	0.11

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

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

### Couplers - Female Pipe Thread



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

\* Coupler has brass body and steel sleeve.

### Couplers - Male Pipe Thread



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

\* Coupler has brass body and steel sleeve.



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### Couplers - Standard Hose Barb



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B10-3B	–	1/4	2.49	0.90	0.75	0.18
1/4	B10-4B	–	5/16	2.49	0.90	0.75	–
1/4	B10-5B	–	3/8	2.49	0.90	0.75	0.18
3/8	–	14-5B	3/8	2.60	1.06	0.88	0.26
3/8	–	14-6B	1/2	2.60	1.06	0.88	0.27
1/2	–	16-5B	3/8	3.14	1.19	1.00	0.41
1/2	–	16-6B	1/2	3.14	1.19	1.00	0.43
1/2	–	16-7B	3/4	3.60	1.19	1.00	0.48

Add suffix "N" to brass coupler part number for stainless steel springs and locking balls (ie B15N).

Add suffix "-SL" for Sleeve-Lok option.

Add suffix "R" for grip-ring sleeve (1/4" size only).

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



Body Size	Part No. Brass	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B10-3BP	–	1/4	2.32	0.90	0.75	0.19
1/4	B10-5BP	–	3/8	2.47	0.90	0.75	0.19
3/8	–	14-5BP	3/8	2.88	1.06	0.88	0.26
1/2	–	16-5BP	3/8	3.35	1.19	1.00	0.40
1/2	–	16-6BP	1/2	3.46	1.19	1.00	0.43

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



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50 Series Pneumatic Couplers are interchangeable with ARO's 210 series. Couplers have brass bodies. Nipples are constructed of steel. Sleeve-Lok is an optional feature.

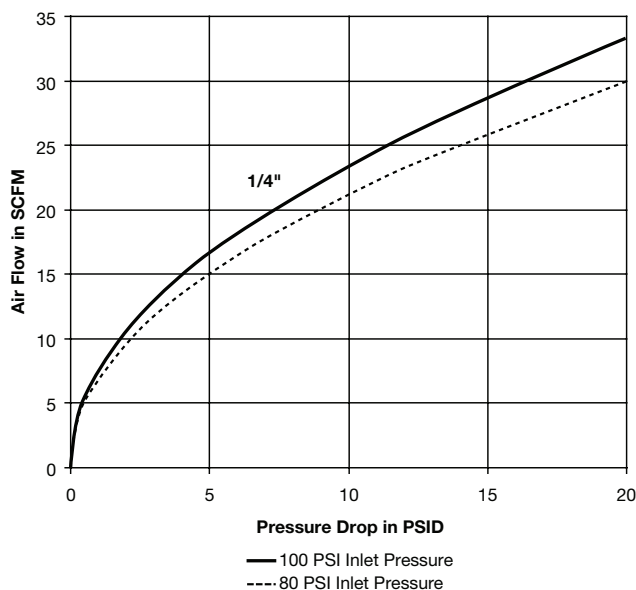
### Features:

- Integral sleeve guard resists accidental disconnection
- Tubular valve delivers high air flow with minimal pressure drop
- Stainless steel springs and locking balls option is available for added corrosion resistance
- Standard seal is Nitrile

### Applications include:

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

### Performance 50 Series (1/4" size)



### 50 Series Specifications

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

### Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY

### Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
suffix <b>N</b>	Stainless steel springs, locking balls & brass valves (Couplers)	B52N
suffix <b>-SL</b>	Sleeve-Lok (Couplers)	B52-SL
suffix <b>W</b>	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	B52W
suffix <b>Y</b>	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	B52Y

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



### Nipples - Female Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Exposed Length**	Wrench Flats	Weight (lbs)
1/4	A3C	1/4-18 NPTF	1.47	0.72	0.66	0.62	0.04

### Nipples - Male Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Exposed Length**	Wrench Flats	Weight (lbs)
1/4	A2C	1/4-18 NPTF	1.62	0.65	0.82	0.56	0.05

### Nipples - Standard Hose Barb



Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Exposed Length**	Wrench Flats	Weight (lbs)
1/4	A8C	1/4	1.63	.043	0.82	0.62	0.03

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



Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Exposed Length**	Wrench Flats	Weight (lbs)
1/4	A8CP	1/4	1.65	.067	0.87	0.62	0.03

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

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



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### Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B53	1/4-18 NPTF	1.83	0.90	0.75	0.20
1/4	B53E	3/8-18 NPTF	1.95	0.94	0.81	0.21

### Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B52	1/4-18 NPTF	2.05	0.90	0.75	0.20
1/4	B52E	3/8-18 NPTF	2.08	0.90	0.75	0.21

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



Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B50-3BP	1/4	2.32	0.90	0.75	0.19
1/4	B50-5BP	3/8	2.47	0.90	0.75	0.20

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



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UC Series Pneumatic Quick Couplers connect with Industrial Interchange, 10 series (Tru-Flate), and 50 series (ARO 210) style nipples. While the best performance is obtained by matching like series couplers and nipples, the Universal Coupler permits multiple series nipples to mate with one coupler.

### Features:

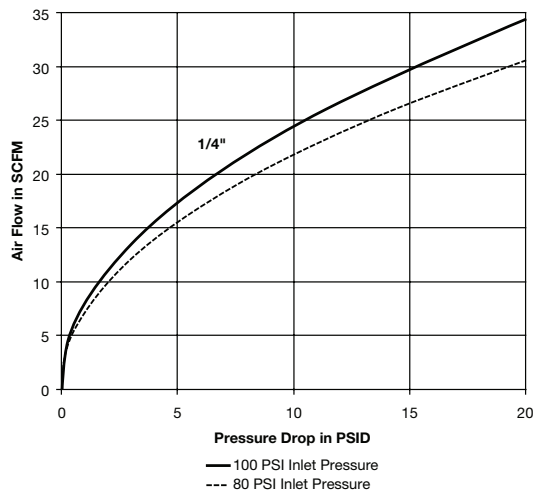
- Sleeve guard protects against accidental disconnection
- Push-to-connect operation
- Brass construction
- One coupler connects with three nipple styles
- UC Series is a replacement for the HA Series.

### Applications include:

- Air compressors
- Pneumatic tools
- Drop-down air lines

### Performance

UC Series Coupler (1/4" size)



### UC Series Specifications

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

**UC - 251 - 4 FP - \*** \* Contact the Division for availability

UC Series

Body Size 25 - 1/4"

Unit 1 - Valved Coupler

Seal Options  
Blank - Nitrile  
F - Fluorocarbon  
E - Ethylene Propylene

Port Configuration  
FP - Female Pipe  
MP - Male Pipe  
HB - Standard Hose Barb\*  
PL - Push-Lok Hose Barb\*

Port Size (1/16 of an inch)

### Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	UC-251-4FP	1/4-18 NPSF	2.06	0.98	0.81	0.23
1/4	UC-251-6FP	3/8-18 NPSF	2.21	0.98	0.81	0.23

### Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	UC-251-4MP	1/4-18 NPTF	2.21	0.98	0.81	0.22
1/4	UC-251-6MP	3/8-18 NPTF	2.24	0.98	0.81	0.23



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# Pneumatic Quick Couplings

## General Purpose

## 70 Series Couplers

### Lincoln (Long) Interchange

Manual sleeve, single shut off



70 Series Pneumatic Couplers are interchangeable with Lincoln's "Long Stem" series couplings. Couplers have brass bodies and steel valves. Nipples are constructed of steel. Sleeve-Lok is an optional feature.

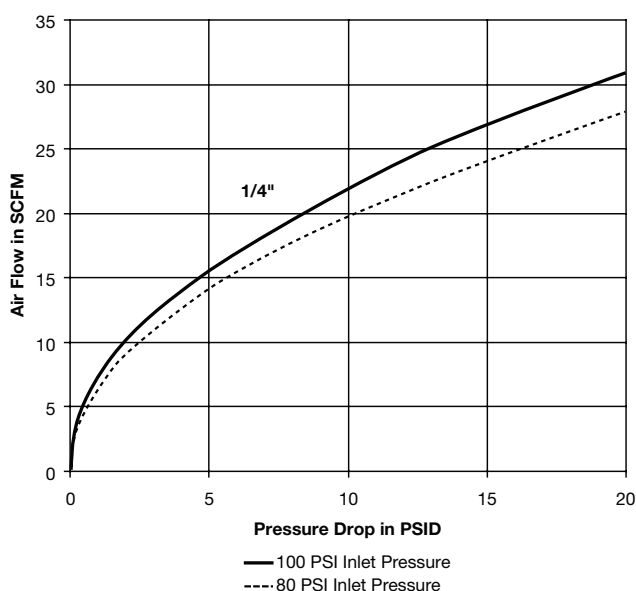
### Features

- Integral sleeve guard resists accidental disconnection
- Tubular valve delivers high air flow with minimal pressure drop
- Standard seal is Nitrile

### Applications:

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

### Performance 70 Series (1/4" size)



### 70 Series Specifications

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

### Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY

### Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B73	1/4-18 NPTF	2.40	0.90	0.75	0.25



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### Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B72	1/4-18 NPTF	2.62	0.90	0.75	0.25

### Nipples - Female Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	L3C	1/4-18 NPTF	2.10	0.77	0.65	0.56	0.05

### Nipples - Male Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	L2C	1/4-18 NPTF	2.25	0.92	0.65	0.56	0.06

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

### Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
suffix <b>N</b>	Stainless steel springs, locking balls & brass valves (Couplers)	B72N
suffix <b>-SL</b>	Sleeve-Lok (Couplers)	B72-SL
suffix <b>W</b>	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	B72W
suffix <b>Y</b>	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	B72Y

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



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Rectus 25 Series Pneumatic Couplers are designed to increase flow and reduce pressure drop through the coupling. Rectus 25 nipples have up to 2-1/2 times larger flow area than standard industrial interchange nipples. The increased flow results in greater tool efficiency and decreased air costs. Couplers are nickel plated brass and nipples are steel.

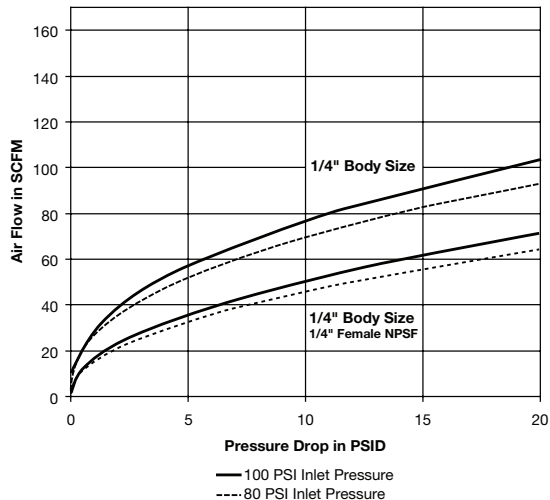
**Features:**

- Aerodynamic valve design
- Flow rates on 1/4" is greater than many 3/8" body size couplers
- Integral sleeve guard protects against accidental disconnection
- Functionally interchanges with a common high-flow European design. 1/4 Rectus 25 interchanges with CEJN 320.
- Standard seal is Nitrile

**Applications include:**

- Air compressors
- Pneumatic tools
- Drop-down air lines

**Performance** Rectus 25 Series (1/4" body size)  
with 1/4" Female NPSF



Rectus 25 Series Specifications	
Body Size	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-4° to +212° F
Locking Device	4 balls
Vacuum Service	Not Recommended



### Couplers - Female Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25KAIN13MPN	RF-251-4FP	1/4-18 NPSF	2.19	0.99	0.81	0.26
1/4	25KAIN17MPN	RF-251-6FP	3/8-18 NPSF	2.34	0.99	0.81	0.27

### Couplers - Male Pipe Thread



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25KAAN13MPN	RF-251-4MP	1/4-18 NPTF	2.34	0.99	0.81	0.24
1/4	25KAAN17MPN	RF-251-6MP	3/8-18 NPTF	2.37	0.99	0.81	0.25

### Couplers - Standard Hose Barb



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25KATF06MPN	RF-251-4HB	1/4	2.81	0.99	0.81	0.26
1/4	25KATF10MPN	RF-251-6HB	3/8	2.81	0.99	0.81	0.27

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



Body Size	New Part No. Nickel Plated Brass	Old Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25KATP06MPN	RF-251-4PL	1/4	2.64	0.99	0.81	0.26
1/4	25KATP10MPN	RF-251-6PL	3/8	2.78	0.99	0.81	0.27

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



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### Nipples - Female Pipe Thread



Body Size	New Part No. Steel	Old Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25SFAN13SXZ	RF-254-4FP	1/4-18 NPTF	1.45	0.72	0.62	0.06
1/4	25SFAN17SXZ	RF-254-6FP	3/8-18 NPTF	1.50	0.94	0.81	0.09

### Nipples - Male Pipe Thread



Body Size	New Part No. Steel	Old Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	25SFAN13SXZ	RF-254-4MP	1/4-18 NPTF	1.60	0.65	0.56	0.05
1/4	25SFAN17SXZ	RF-254-6MP	3/8-18 NPTF	1.67	0.75	0.69	0.08

### Nipples - Standard Hose Barb



Body Size	New Part No. Steel	Old Part No. Steel	Hose I.D.	Length	Largest Diameter	Weight (lbs.)
1/4	25SFTF06SXZ	RF-254-4HB	1/4	1.66	0.50	0.04
1/4	25SFTF10SXZ	RF-254-6HB	3/8	1.66	0.50	0.05

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



Body Size	New Part No. Steel	Old Part No. Steel	Hose I.D.	Length	Largest Diameter	Weight (lbs.)
1/4	25SFTP06SXN	RF-254-4PL	1/4	1.69	0.50	0.04
1/4	25SFTP10SXN	RF-254-6PL	3/8	1.83	0.50	0.05

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



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# Pneumatic Quick Couplings General Purpose

## TL Series Couplers Schrader Twist-Lock Interchange Push-to-connect sleeve, single shut off



TL Series Pneumatic Couplers are interchangeable with Schraders Twist-Lock style couplings. Couplers have brass bodies and steel sleeves. Nipples are constructed of steel.

### Features:

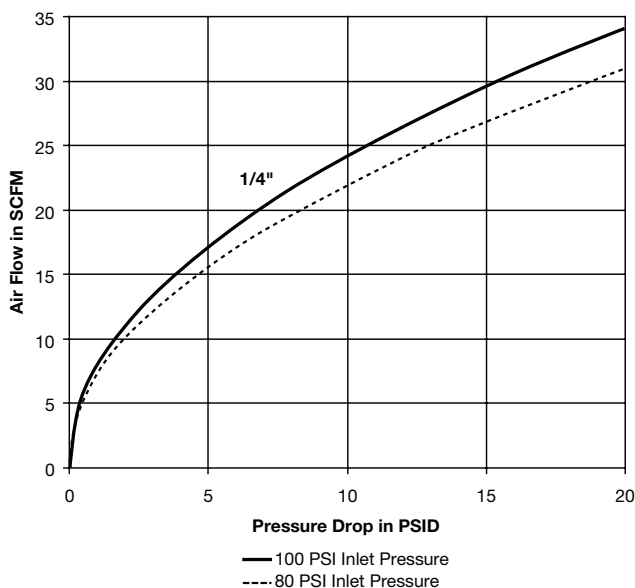
- Designed to resist accidental disconnection
- Push-to-connect, twist sleeve 1/8 turn to disconnect
- Tubular valve delivers high air flow with minimal pressure drop
- Standard seal is Nitrile

### Applications include:

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

### Performance

Twist-Lock Series (1/4" size)



### TL Series Specifications

Body Size	1/4	1/2
Rated Pressure (psi)	300	
Temperature Range (std seals)	-40° to +250° F	
Locking Device	CAM	
Vacuum Service	Not recommended	

### How To Order

**TL - 25 1 - 4 FP**

- Port Configuration
  - FP - Female Pipe
  - MP - Male Pipe
  - HB - Standard Hose Barb
  - PL - Push-Lok Hose Barb
- Port Size (1/16 of an inch)
- Unit
  - 1 - Valved Coupler
  - 4 - Unvalved Nipple
- Body Size
  - 25 - 1/4"
  - 50 - 1/2"
- TL Series

### Repair Kits

Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY



### Couplers - Female Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	TL-251-4FP	1/4-18 NPTF	2.01	1.12	0.75	0.21
1/2	TL-501-6FP	3/8-18 NPTF	2.55	1.50	1.13	0.44
1/2	TL-501-8FP	1/2-14 NPTF	2.78	1.50	1.13	0.44
1/2	TL-501-12FP	3/4-14 NPTF	2.91	1.50	1.13	0.44

### Couplers - Male Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	TL-251-4MP	1/4-18 NPTF	2.23	1.12	0.75	0.21
1/4	TL-251-6MP	3/8-18 NPTF	2.26	1.12	0.75	0.22
1/2	TL-501-6MP	3/8-18 NPTF	2.71	1.50	1.13	0.39
1/2	TL-501-8MP	1/2-14 NPTF	2.88	1.50	1.13	0.40

#### Optional Seal Materials:

(add code to part number)

Code	Description	Part Number Example
suffix <b>W</b>	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	TL-251-4FPW
suffix <b>Y</b>	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	TL-251-4FPY

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



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### Nipples - Female Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	TL-254-2FP	1/8-27 NPTF	1.50	0.58	0.50	0.04
1/4	TL-254-4FP	1/4-18 NPTF	1.60	0.72	0.63	0.06
1/2	TL-504-4FP	1/4-18 NPTF	1.90	0.80	0.69	0.12
1/2	TL-504-6FP	3/8-18 NPTF	1.75	0.94	0.81	0.13

### Nipples - Male Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	TL-254-2MP	1/8-27 NPTF	1.68	0.58	0.50	0.05
1/4	TL-254-4MP	1/4-18 NPTF	1.72	0.65	0.56	0.06
1/2	TL-504-4MP	1/4-18 NPTF	1.90	0.80	0.69	0.12
1/2	TL-504-6MP	3/8-18 NPTF	1.90	0.80	0.69	0.12
1/2	TL-504-8MP	1/2-14 NPTF	2.06	1.01	0.88	0.16
1/2	TL-504-12MP	3/4-14 NPTF	2.12	1.22	1.06	0.22

### Nipples - Standard Hose Barb



Body Size	Part No.	Hose I.D.	Length	Largest Diameter	Weight (lbs)
1/4	TL-254-4HB	1/4	1.83	0.50	0.03
1/4	TL-254-6HB	3/8	1.83	0.50	0.04
1/2	TL-504-4HB	1/4	2.06	0.67	0.07
1/2	TL-504-6HB	3/8	2.06	0.67	0.08
1/2	TL-504-8HB	1/2	2.06	0.67	0.10



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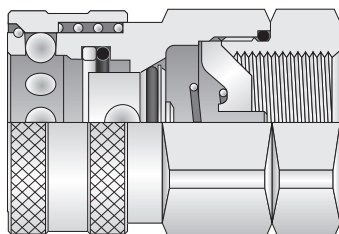
IH couplers are steel with a cylindrical valve designed specifically for pneumatic use. When paired with an unvalved/plain H Series nipple, it functions as a durable single shut-off connection. Standard seal is nitrile.

### Features:

- Sizes 1/4" - 3/4"
- Steel body material
- Standard seal material is nitrile with other options available
- Optional sleeve lock helps to prevent accidental disconnection
- Manually operated sleeve provides secure connection
- Coupler has 360° cylindrical valve contact

### Applications include:

- Industrial air lines
- Pneumatic tools



Cylindrical Pneumatic Valve

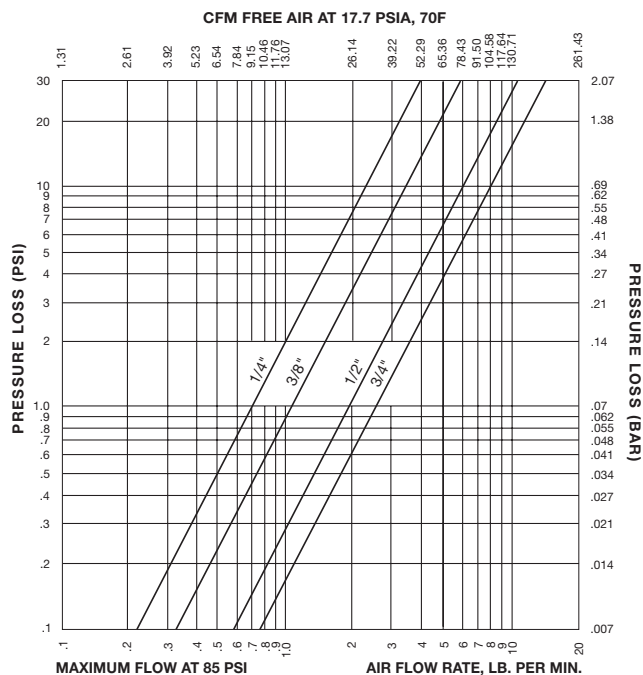
### IH Series Working Pressures (psi)

Valved on coupler and unvalved nipple (Single Shut-off)

Body Size	1/4	3/8	1/2	3/4
Steel	6500	4500	4000	3500

**NOTE:** Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge and/or vibration may vary from these ratings. Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. (Proof pressure equals 1-1/2 times the working pressure; burst pressure equals 2 times working pressure.)

## Performance





### IH Series Couplers - Valved



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Sleeve Lock
1/4	VIHC4-4F	1/4 -18 NPTF (female)	1.65	1.19	1.00	
1/4	VIHC4-4FSL	1/4 -18 NPTF (female)	1.65	1.19	1.00	Y
1/4	VIHC4-4M	1/4 -18 NPT (male)	2.09	1.02	0.88	
1/4	VIHC4-4MSL	1/4 -18 NPT (male)	2.09	1.02	0.88	Y
3/8	VIHC6-6F	3/8 -18 NPTF (female)	1.90	1.19	1.00	
3/8	VIHC6-6FSL	3/8 -18 NPTF (female)	1.90	1.19	1.00	Y
3/8	VIHC6-6M	3/8 -18 NPT (male)	2.19	1.19	1.00	
3/8	VIHC6-6MSL	3/8 -18 NPT (male)	2.19	1.19	1.00	Y
1/2	VIHC8-8F	1/2 -14 NPTF (female)	2.09	1.39	1.19	
3/4	VIHC12-12F	3/4 -14 NPTF (female)	2.42	1.73	1.50	

### H Series Nipples - Unvalved / Plain



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats
1/4	PHN4-4F	1/4 -18 NPTF (female)	1.32	0.73	0.88
1/4	PHN4-4M	1/4 -18 NPT (male)	0.78	0.65	0.56
3/8	PHN6-6F	3/8 -18 NPTF (female)	1.52	0.94	0.81
3/8	PHN6-6M	3/8 -18 NPT (male)	0.98	0.80	0.69
1/2	PHN8-8F	1/2 -14 NPTF (female)	1.72	1.15	1.00
1/2	PHN8-8M	1/2 -14 NPTF (male)	1.01	1.02	0.88
3/4	PHN12-12F	3/4 -14 NPT (female)	1.92	1.37	1.19
3/4	PHN12-12M	3/4 -14 NPT (male)	1.14	1.22	1.06



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Tool-Mate Series are light weight and easy to operate with a non-marring body. Couplers are constructed of Polyamide material with galvanized steel port ends. Springs, balls and pins are stainless steel and locking fingers are polyacetate. Grey body color designates standard, non-venting style coupler.

### Features:

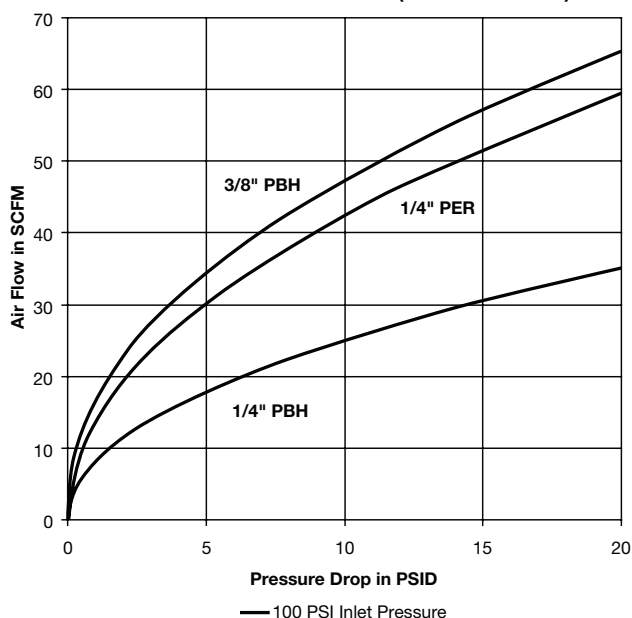
- Push-to-connect operation, pull sleeve in the direction of the arrow to release the nipple
- PBH part number (yellow ring) couplers connect with Industrial Interchange nipples
- PER part number (green ring) couplers connect with Rectus 25 series nipples
- Standard seal is Nitrile

### Applications include:

- Pneumatic tools
- Drop-down air lines

### Performance

Tool-Mate Series Standard (1/4" & 3/8" sizes)



### Tool Mate Standard Series Specifications

Body Size	1/4	3/8
Rated Pressure (psi)	300	
Temperature Range	0 to 160° F	
Vacuum Service	Not recommended	

### How To Order

**PBH - 251 - 4 FP**

- Port Configuration
  - FP - Female Pipe
  - MP - Male Pipe
- Port Size (1/16 of an inch)
  - 4 - 1/4"
  - 6 - 3/8"
  - 8 - 1/2"
- Unit
  - 1 - Valved Coupler
- Body Size
  - 25 - 1/4"
  - 37 - 3/8"

Tool-Mate Series (Non-venting)  
 PBH - Industrial Interchange  
 PER - Rectus 25 Interchange



### Industrial Interchange - Female Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PBH-251-4FP	1/4-18 NPTF	2.60	1.19	0.67	0.13
1/4	PBH-251-6FP	3/8-18 NPTF	2.67	1.19	0.91	0.15
3/8	PBH-371-4FP	1/4-18 NPTF	2.95	1.38	0.67	0.21
3/8	PBH-371-6FP	3/8-18 NPTF	2.95	1.38	0.83	0.20
3/8	PBH-371-8FP	1/2-14 NPTF	3.17	1.38	0.99	0.22

### Industrial Interchange - Male Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PBH-251-4MP	1/4-18 NPTF	2.97	1.19	0.67	0.14
1/4	PBH-251-6MP	3/8-18 NPTF	2.99	1.19	0.91	0.19
3/8	PBH-371-6MP	3/8-18 NPTF	3.39	1.38	0.83	0.23

### Rectus 25 Interchange - Female Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PER-251-4FP	1/4-18 NPTF	2.83	1.25	0.83	0.17
1/4	PER-251-6FP	3/8-18 NPTF	2.83	1.25	0.83	0.15

### Rectus 25 Interchange - Male Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PER-251-4MP	1/4-18 NPTF	2.36	1.25	0.83	0.19



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Tool-Mate Series are light weight and easy to operate with a non-marring body. Exhaust style couplers allow disconnection at zero pressure to avoid dangerous hose whip. Couplers are constructed of Polyamide material with galvanized steel port ends. Springs, balls and pins are stainless steel and locking fingers are polyacetate. Black body color designates venting, exhaust style coupler.

### Features:

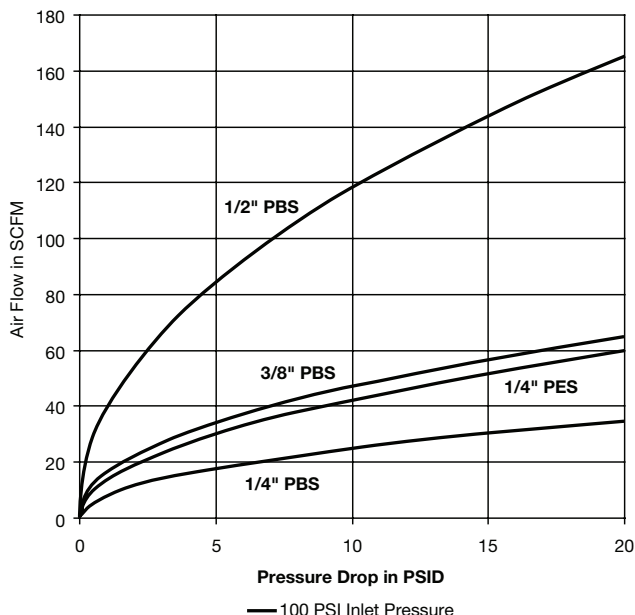
- Meets ISO 4414 requirements for a controlled pressure release system
- Push-to-connect operation, two step disconnection as indicated by the arrows, provides safe venting of downstream pressure
- PBS part number (yellow ring) couplers connect with Industrial Interchange nipples
- PES part number (green ring) couplers connect with Rectus 25 series nipples
- Standard seal is Nitrile

### Applications include:

- Pneumatic tools
- Drop-down air lines

### Performance

Tool-Mate Series Exhaust (1/4", 3/8" & 1/2" sizes)



### Tool Mate Exhaust Series Specifications

Body Size	1/4	3/8	1/2
Rated Pressure (psi)	300		
Temperature Range	0 to 160° F		
Vacuum Service	Not recommended		

### How To Order

**PBS - 251 - 4 FP**

- Port Configuration
  - FP - Female Pipe
  - MP - Male Pipe
- Port Size (1/16 of an inch)
  - 4 - 1/4"
  - 6 - 3/8"
  - 8 - 1/2"
  - 12 - 3/4"
- Unit
  - 1 - Valved Coupler
- Body Size
  - 25 - 1/4"
  - 37 - 3/8"
  - 50 - 1/2"
- Tool-Mate Series (Exhaust)
  - PBS - Industrial Interchange
  - PES - Rectus 25 Interchange



### Exhaust Industrial Interchange - Female Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PBS-251-4FP	1/4-18 NPTF	2.60	1.19	0.67	0.13
1/4	PBS-251-6FP	3/8-18 NPTF	2.67	1.19	0.91	0.15
3/8	PBS-371-6FP	3/8-18 NPTF	2.95	1.38	0.82	0.20
3/8	PBS-371-8FP	1/2-14 NPTF	3.17	1.38	0.99	0.22
1/2	PBS-501-6FP	3/8-18 NPTF	3.25	1.62	1.18	0.50
1/2	PBS-501-8FP	1/2-14 NPTF	3.36	1.62	1.18	0.50
1/2	PBS-501-12FP	3/4-14 NPTF	3.66	1.62	1.18	0.50

### Exhaust Industrial Interchange - Male Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PBS-251-4MP	1/4-18 NPTF	2.97	1.19	0.67	0.14
1/4	PBS-251-6MP	3/8-18 NPTF	2.99	1.19	0.91	0.19
3/8	PBS-371-6MP	3/8-18 NPTF	3.39	1.38	0.82	0.23
3/8	PBS-371-8MP	1/2-14 NPTF	3.39	1.38	0.91	0.28
1/2	PBS-501-8MP	1/2-14 NPTF	3.70	1.62	1.18	0.50

### Exhaust Rectus 25 Interchange - Female Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PES-251-6FP	3/8-18 NPTF	2.83	0.83	0.83	0.15

### Exhaust Rectus 25 Interchange - Male Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PES-251-4MP	1/4-18 NPTF	2.36	1.25	0.83	0.19



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E-z-mate Series are exhaust type quick couplers that are designed to safely relieve air pressure prior to disconnection. When the valve sleeve is twisted to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of "hose whip".

### Features:

- Self- locking valve sleeve protects against accidental disconnection
- Push-to-connect operation
- Meets ISO 4414 requirements for a controlled pressure release system
- Connection and disconnection at zero pressure
- Brass material option - contact QCD for availability

### Applications include:

- Pneumatic tools
- Drop-down air lines

### Operation

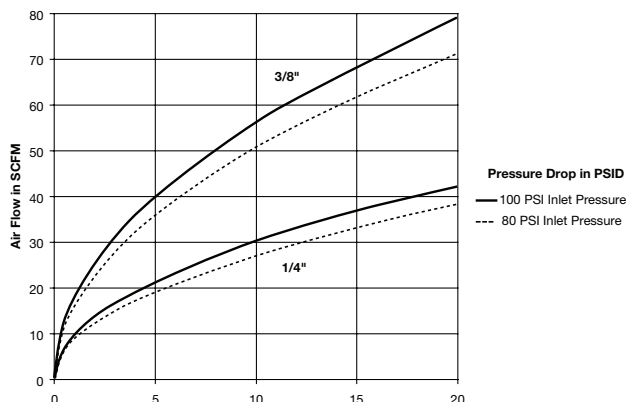
Parker E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the On-Off arrow stamped on the valve sleeve. It's that easy.

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 valve sleeve is then rotated clockwise (when viewed from the coupler port end) to open flow and automatically engage the sleeve-lock mechanism.

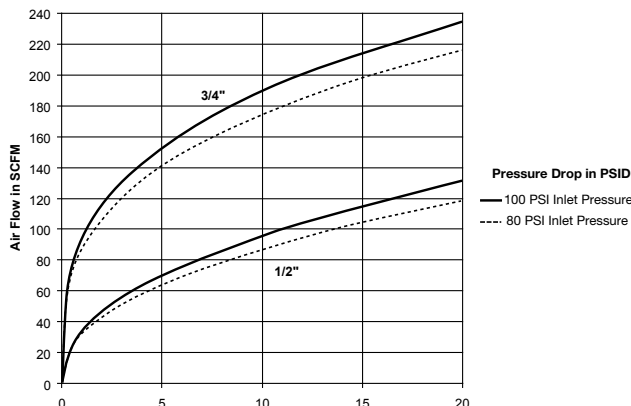
To disconnect, rotate the valve sleeve counter clockwise (when viewed from the coupler end). The flow of air through the coupling will be shut off and all downstream air is vented to the atmosphere. The locking sleeve may now be retracted and the nipple removed. Lubricate sleeve as part of periodic maintenance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

### Performance

E-z-mate Series (1/4" & 3/8" sizes)



E-z-mate Series (1/2" & 3/4" sizes)



### E-z-mate Series Specifications

Body Size	1/4	3/8	1/2	3/4
Rated Pressure (psi)	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			

### EZ - 251 - 4 FP

- Port Configuration
  - FP - Female Pipe
  - MP - Male Pipe
  - HB - Standard Hose Barb
  - PL - Push-Lok Hose Barb
- Port Size (1/16 of an inch)
- Unit
  - 1 - Valved Coupler
- Body Size
  - 25 - 1/4"
  - 37 - 3/8"
  - 50 - 1/2"
  - 75 - 3/4"
- E-z-mate Series





### Couplers - Female Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	EZ-251-4FP	1/4-18 NPTF	2.25	1.00	0.75	0.25
1/4	EZ-251-6FP	3/8-18 NPTF	2.68	1.01	0.88	0.29
3/8	EZ-371-6FP	3/8-18 NPTF	2.53	1.18	0.88	0.38
3/8	EZ-371-8FP	1/2-14 NPTF	3.00	1.30	1.12	0.50
1/2	EZ-501-8FP	1/2-14 NPTF	3.01	1.38	1.12	0.65
1/2	EZ-501-12FP	3/4-14 NPTF	3.44	1.59	1.38	0.70
3/4	EZ-751-12FP	3/4-14 NPTF	3.01	1.57	1.38	0.76
3/4	EZ-751-16FP	1-11 1/2 NPTF	3.52	1.80	1.56	0.92

### Couplers - Male Pipe Thread



Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	EZ-251-4MP	1/4-18 NPTF	2.85	1.00	0.75	0.30
1/4	EZ-251-6MP	3/8-18 NPTF	2.87	1.00	0.75	0.31
3/8	EZ-371-6MP	3/8-18 NPTF	3.10	1.18	0.88	0.44
1/2	EZ-501-8MP	1/2-14 NPTF	3.62	1.38	1.12	0.73
3/4	EZ-751-12MP	3/4-14 NPTF	4.04	1.57	1.38	0.90

### Couplers - Standard Hose Barb



Body Size	Part No.	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	EZ-251-4HB	1/4	3.20	1.00	0.75	0.28
1/4	EZ-251-6HB	3/8	3.20	1.00	0.75	0.29
3/8	EZ-371-6HB	3/8	3.43	1.18	0.88	0.42
1/2	EZ-501-8HB	1/2	4.06	1.40	1.12	0.70

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



Body Size	Part No.	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	EZ-251-4PL	1/4	3.03	1.00	0.75	0.28
1/4	EZ-251-6PL	3/8	3.18	1.00	0.75	0.29
3/8	EZ-371-6PL	3/8	3.38	1.18	0.88	0.42
1/2	EZ-501-8PL	1/2	3.91	1.38	1.12	0.70

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



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GF/GF-1 Series couplings are valved on the coupler half and will automatically shut off gas flow when coupling is disconnected and automatically open on connection. They also incorporate a safety fuse in the nipple that will shut off the gas supply to your application in the event temperatures exceed 350°F.

### Features:

- Superior flow capacity
- 0.5 psi max pressure rating (25 psi max pressure rating on 3/4" body size only)
- 1/2" - 1-1/4" size range
- Certified to ANSI Z21-41-2011, CSA 6.9-2011 for use with natural, manufactured and mixed gases, liquefied petroleum gases and LP gas-air mixtures
- On-site CSA certified lab and qualified inspection personnel
- Fusible link internal to the nipple protects against gas-fed fires

### Applications include:

- Small Gas Appliances



## GF Specifications

Body Size	1/2	3/4	1	1-1/4
Flow Capacity*	99,600 Btu/hr	212,000 Btu/hr	378,000 Btu/hr	475,000 Btu/hr
<b>Temperature Range:</b> Standard GF/GF-1 (indoor use) temperature range: 32°F to 200°F. Contact QCD for low temperature version (outdoor use) temperature range: -40°F to 200°F				

\*Based on a 1000 Btu per cubic foot gas with a specific gravity of 0.64 at a pressure drop of 0.3 in. w.c.

## Couplers



Body Size	Part Number Brass	Port End	Length	Connected Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/2	BVGF-1C8-8F	1/2-14 NPTF	2.47	3.39	1.42	1.00	0.326
3/4	BVGF-1C12-12F	3/4-14 NPTF	2.51	3.48	1.66	1.31	0.534
1	BVGFC16-16F	1-11-1/2 NPTF	2.69	3.91	2.03	1.88	1.150
1-1/4	BVGFC20-20F	1-1/4-11-1/2 NPTF	3.54	4.88	2.25	2.00	1.568

## Nipples



Body Size	Part Number Brass	Port End	Length	Connected Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/2	BPGF-1N8-8F	1/2-14 NPTF	1.55	3.39	1.13	1.00	0.154
3/4	BPGF-1N12-12F	3/4-14 NPTF	1.79	3.48	1.34	1.19	0.212
1	BPGFN16-16F	1-11-1/2 NPTF	2.10	3.91	1.65	1.50	0.380
1-1/4	BPGFN20-20F	1-1/4-11-1/2 NPTF	2.22	4.88	2.06	1.88	0.576



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