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Quick Coupling Products

Quick Couplings, Swivels, Valves,
Diagnostic Equipment
Catalog 3800 USA | February 2014



ENGINEERING YOUR SUCCESS.

Quick Coupling Division Locations



Minneapolis, MN



Grantsburg, WI



Chetek, WI



Union City, PA

WARNING

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- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale."

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Pneumatic Quick Couplings

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 the Quick Coupling Division.

General 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.

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/hose 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?

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Pneumatic Coupling Selection Guide

Pneumatic Coupling Selection Guide (by Interchange)										
Body Sizes (in.)	Connection style	Material*				Locking Mechanism	Std Seal Material	Std Seal Temp Range	Rated Pressure	Coupler Series
		B	S	SS	P					
Industrial Interchange Couplers										
General Purpose										
1/4 to 1/2	Manual Sleeve	■	■	■		Ball	Nitrile	-40° to +250° F	300 psi	20 Series
1/4 to 1/2	Push-to-Connect	■	■			Ball	Nitrile	-40° to +250° F	300 psi	HF Series
1/4 to 3/4	Push-to-Connect	■				Pawl	Nitrile	-40° to +250° F	300 psi	30 Series
1/4	Push-to-Connect	■				Ball	Nitrile	-40° to +250° F	150 psi	Universal Series
Special Purpose										
1/4 & 3/8	Push-to-Connect		■		■	Fingers	Nitrile	-40° to +250° F	300 psi	Tool-Mate (PBH) (non-marring)
1/4 to 1/2	Push-to-Connect		■		■	Fingers	Nitrile	-40° to +250° F	300 psi	Tool-Mate (PBS) (non-marring, exhaust)
1/4 to 3/4	Push-to-Connect		■			Ball	Nitrile	-40° to +250° F	300 psi	E-z-mate (exhaust)
Tru-Flate Interchange Couplings										
1/4 to 1/2	Manual Sleeve	■	■			Ball	Nitrile	-40° to +250° F	300 psi	10 Series
1/4	Push-to-Connect	■				Ball	Nitrile	-40° to +250° F	150 psi	Universal Series
ARO 210 Interchange Couplings										
1/4	Manual Sleeve	■	■			Ball	Nitrile	-40° to +250° F	300 psi	50 Series
1/4	Push-to-Connect	■				Ball	Nitrile	-40° to +250° F	300 psi	HA Series
1/4	Push-to-Connect	■				Ball	Nitrile	-40° to +250° F	150 psi	Universal Series
Lincoln "Long Stem" Interchange Couplings										
1/4	Manual Sleeve	■				Ball	Nitrile	-40° to +250° F	300 psi	70 Series
Common High-Flow European Interchange Couplings										
1/4 & 3/8	Push-to-Connect	■	■			Ball	Nitrile	-40° to +250° F	300 psi	RF Series
1/4	Push-to-Connect		■		■	Fingers	Nitrile	-40° to +250° F	300 psi	Tool-Mate (PER) (non-marring)
1/4	Push-to-Connect		■		■	Fingers	Nitrile	-40° to +250° F	300 psi	Tool-Mate (PES) (non-marring, exhaust)
Schrader Twist -Lock Interchange Couplings										
1/4 & 1/2	Push-to-Connect	■	■			Cam	Nitrile	-40° to +250° F	300 psi	TL Series
Special Purpose - Natural and Propane Gas Couplings										
1/4 to 1-1/4	Manual Sleeve	■				Ball	Fluorocarbon	32° to +200° F	1/2 psi	GF Series

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

Optional Materials and Features:
(add code to part number)

Code	Description	Applies to
prefix B	Brass body	Nipples (std is steel) Couplers (3/8" & 1/2" sizes only)
suffix N	Stainless steel springs, locking balls & brass valves	Couplers (10, 20, 30, 50 & 70 Series)
suffix -SL	Sleeve-Lok	Couplers (10, 20, 30, 50 & 70 Series)
suffix R	Grip Ring sleeve	Couplers (10 & 20 Series)
suffix W	Ethylene Propylene seal material (-65° to + 400° F)	Couplers
suffix Y	Fluorocarbon seal material (-30° to + 400° F)	Couplers

Contact QCD for availability and additional options.
To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



Pneumatic Quick Couplings

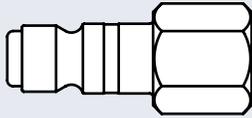
General Purpose

Interchange Match-up Chart

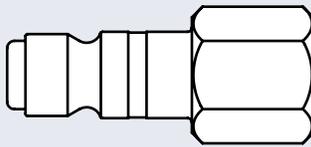
Popular Coupling Designs

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.

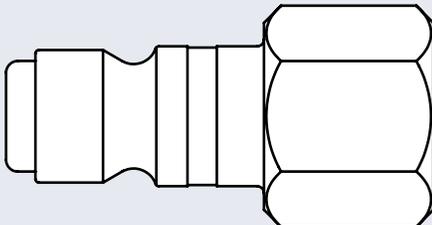
10 Series (Tru-Flate Interchange)



1/4" Body Size

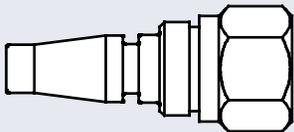


3/8" Body Size

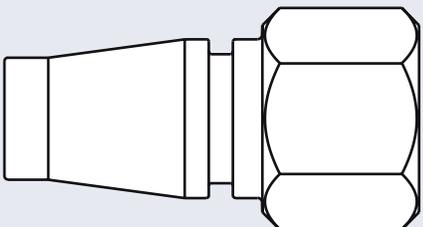


1/2" Body Size

Twist-Lock (Schrader Interchange)



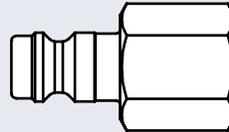
1/4" Body Size



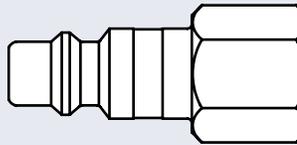
1/2" Body Size

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

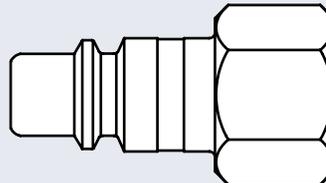
1/8" HF Series



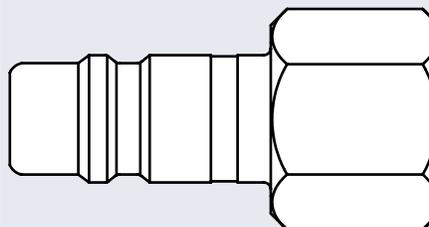
1/8" Body Size



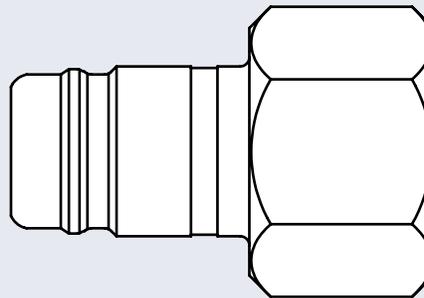
1/4" Body Size



3/8" Body Size

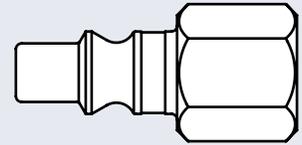


1/2" Body Size



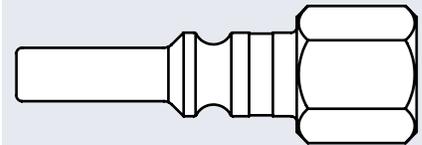
3/4" Body Size

50 Series (ARO-210 Interchange)



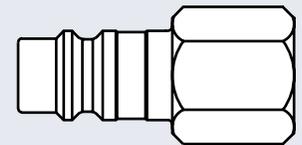
1/4" Body Size

70 Series (Lincoln Interchange)

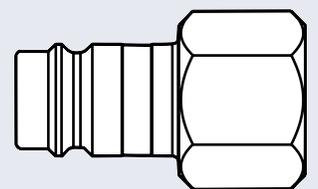


1/4" Body Size

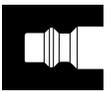
RF Series (European Interchange)



1/4" Body Size



3/8" Body Size



Parker Industrial Interchange Nipples are compatible for use with 20 Series, 30 Series, HF 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	Brass body	BH1E

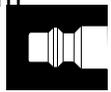
Contact QCD for availability and additional options.

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.



A Pneumatics

Nipples- Male Pipe Thread



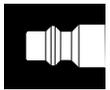
Body Size	Part Number Brass	Part Number Steel	Part Number Stainless Steel (303)	Thread Size	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	-	H0C	-	1/8-27 NPTF	1.68	0.92	0.58	0.50	0.05
1/4	BH2C	H2C	SH2C	1/4-18 NPTF	1.66	0.89	0.65	0.56	0.06
1/4	-	H2C-E	SH2C-E	3/8-18 NPTF	1.90	1.14	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.



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.



A Pneumatics



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:

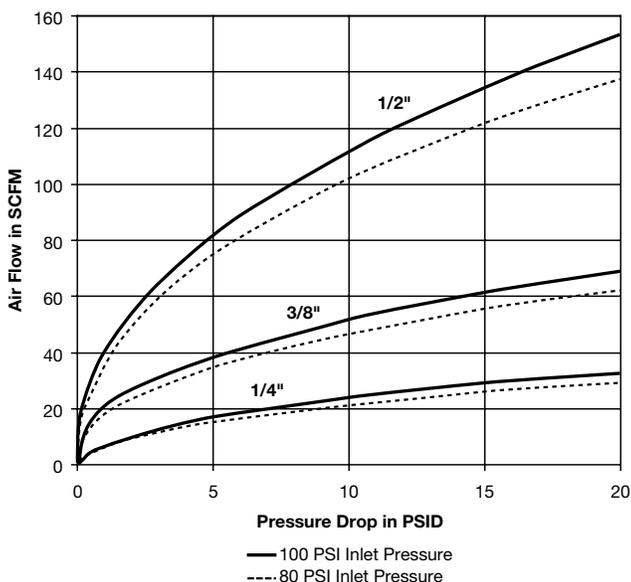
- Mates with Industrial Interchange nipples manufactured to A-A-59439 (MIL-C-4109F, ISO 6150-B) global standards
- 1/4" body size has a brass body and steel valve, 3/8" body size has all steel construction
- Tubular valve delivers high flow with minimal pressure drop
- Integral sleeve guard resists accidental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

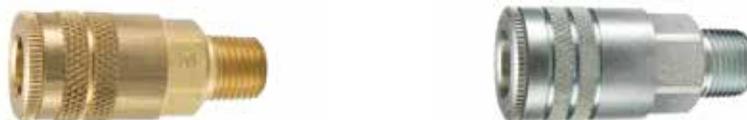


Couplers- Female Pipe Thread



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

Optional Materials and Features:

(add code to part number)

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

Pneumatic Quick Couplings

General Purpose

20 Series Couplers

Accepts Industrial Interchange Nipples

Manual sleeve, single shut off



A Pneumatics

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

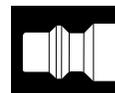
Couplers- Push-Lok Hose Barb*



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.



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

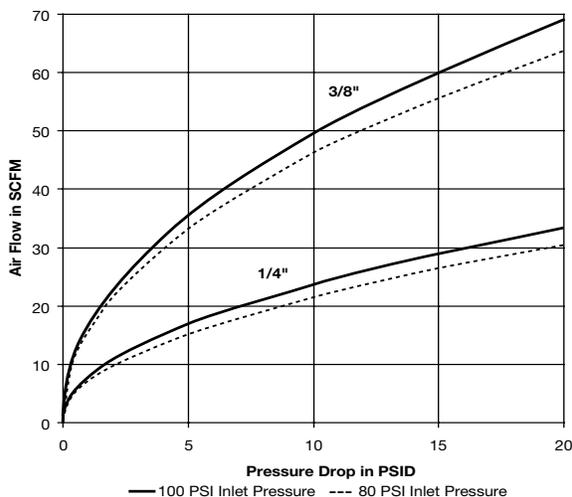
Applications include:

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

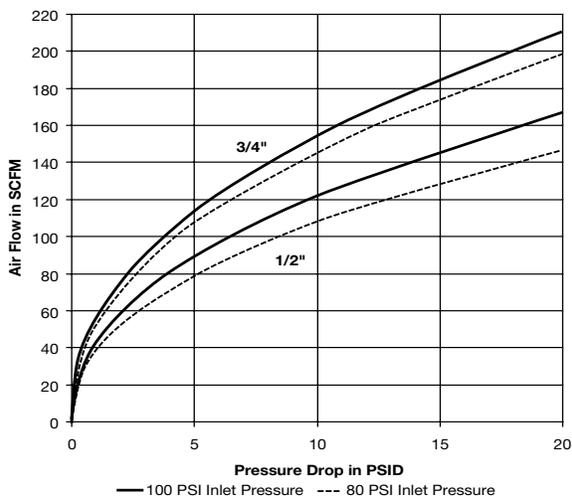


Performance

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

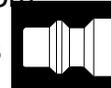
Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
3/8	Nitrile	14K
3/8	Ethylene Propylene	14KW
3/8	Fluorocarbon	14KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY
3/4	Nitrile	38K
3/4	Ethylene Propylene	38KW
3/4	Fluorocarbon	38KY

Pneumatic Quick Couplings
General Purpose

30 Series Couplers

Accepts Industrial Interchange Nipples

Push-to-connect sleeve, single shut off



A Pneumatics

Couplers- Female Pipe Thread

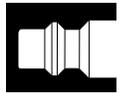


Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B33A	1/8-27 NPTF	1.96	1.20	0.75	0.30
1/4	B33	1/4-18 NPTF	1.96	1.20	0.75	0.28
1/4	B33E	3/8-18 NPTF	2.03	1.20	0.81	0.30
3/8	B35C	1/4-18 NPTF	2.26	1.39	0.88	0.42
3/8	B35	3/8-18 NPTF	2.33	1.39	0.88	0.42
3/8	B35F	1/2-14 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



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

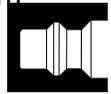
* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

Optional Materials and Features:

(add code to part number)

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



HF Series Pneumatic Quick Couplers connect with Industrial Interchange nipples, the standard male tip of the pneumatic industry. Couplers have brass construction, a corrosion resistant valve, stainless steel locking balls and a stainless valve spring.

Features:

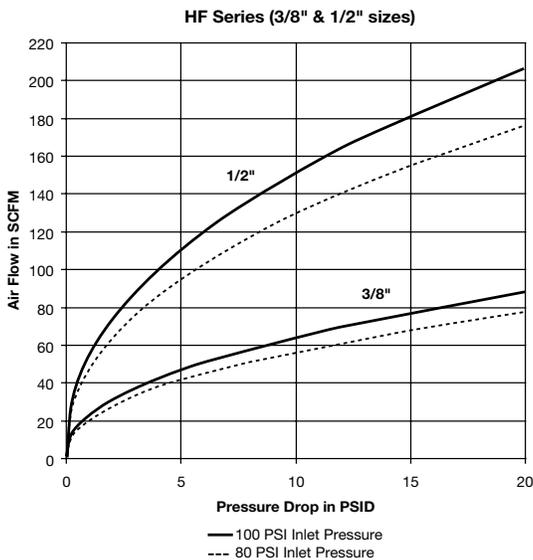
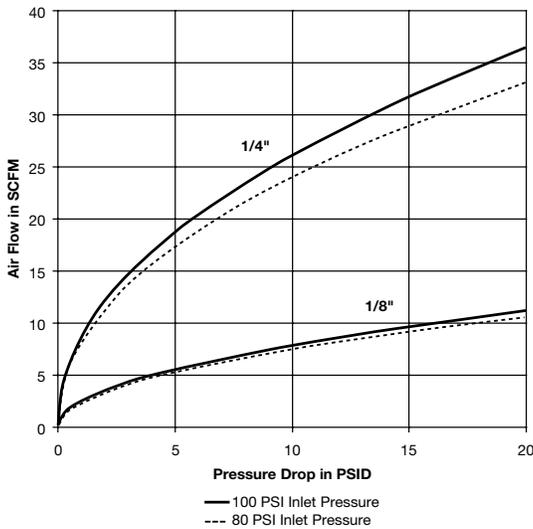
- Integral sleeve guard protects against accidental disconnection
- Push-to-connect operation
- Slim profile
- Optional heavy duty version in solid steel

Applications include:

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

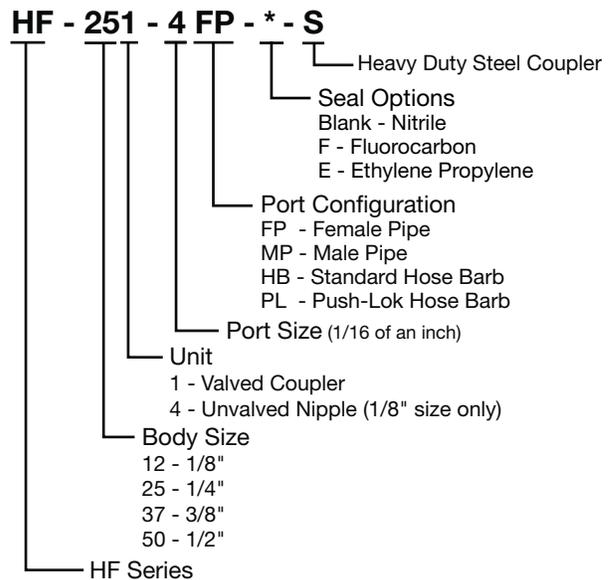
Performance

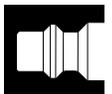
HF Series (1/8" & 1/4" sizes)



HF Series Specifications				
Body Size	1/8	1/4	3/8	1/2
Rated Pressure (psi)	250	300	300	300
Temperature Range (std seals)	-40° to +250° F			
Locking Device	5 balls	4 balls	6 balls	8 balls
Vacuum Data (in. Hg.)				
Disconnected (coupler only)	Not Recommended			
Connected	—	27.4		

How To Order





1/8" Body Size Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	HF-121-2FP	1/8-27 NPTF	1.42	0.63	0.55	0.06
1/8	HF-121-4FP	1/4-18 NPTF	1.81	0.63	0.67	0.10

1/8" Body Size Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	HF-121-2MP	1/8-27 NPTF	1.50	0.63	0.55	0.06
1/8	HF-121-4MP	1/4-18 NPTF	1.61	0.63	0.55	0.07

1/8" Body Size Nipples - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	HF-124-2FP	1/8-27 NPTF	1.08	0.58	0.50	0.03
1/8	HF-124-4FP	1/4-18 NPTF	1.34	0.78	0.67	0.07

1/8" Body Size Nipples - Male Pipe Thread

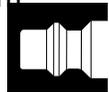


Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/8	HF-124-2MP	1/8-27 NPTF	1.06	0.51	0.44	0.03
1/8	HF-124-4MP	1/4-18 NPTF	1.25	0.63	0.56	0.05

Optional Seal Materials:
 (add code to part number)

Code	Description	Part Number Example
suffix W	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	HF-371-4FPW
suffix Y	Fluorocarbon seal material (-30° to + 400° F) (Couplers)	HF-371-4FPY

Contact QCD for availability and additional options.
 To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



1/4, 3/8, 1/2" Body Size Couplers - Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4FP	1/4-18 NPSF	2.19	0.99	0.81	0.26
1/4	HF-251-6FP	3/8-18 NPSF	2.34	0.99	0.81	0.27
3/8	HF-371-4FP	1/4-18 NPSF	2.33	1.07	0.94	0.33
3/8	HF-371-6FP	3/8-18 NPSF	2.33	1.07	0.94	0.31
3/8	HF-371-8FP	1/2-14 NPTF	2.49	1.07	1.00	0.35
1/2	HF-501-8FP	1/2-14 NPTF	3.35	1.19	1.06	0.60

1/4, 3/8, 1/2" Body Size Couplers - Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4MP	1/4-18 NPTF	2.34	0.99	0.81	0.25
1/4	HF-251-6MP	3/8-18 NPTF	2.37	0.99	0.81	0.26
3/8	HF-371-4MP	1/4-18 NPTF	2.49	1.07	0.94	0.32
3/8	HF-371-6MP	3/8-18 NPTF	2.52	1.07	0.94	0.3
3/8	HF-371-8MP	1/2-14 NPTF	2.68	1.07	0.94	0.33
1/2	HF-501-8MP	1/2-14 NPTF	3.48	1.19	1.06	0.57

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



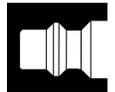
Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4HB	1/4	2.81	0.99	0.81	0.26
1/4	HF-251-6HB	3/8	2.81	0.99	0.81	0.27
3/8	HF-371-6HB	3/8	3.02	1.07	0.94	0.31
3/8	HF-371-8HB	1/2	3.02	1.07	0.94	0.34

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



Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4PL	1/4	2.64	0.99	0.81	0.26
1/4	HF-251-6PL	3/8	2.78	0.99	0.81	0.27
3/8	HF-371-6PL	3/8	3.02	1.07	0.94	0.33
3/8	HF-371-8PL	1/2	3.07	1.07	0.94	0.31

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



Heavy Duty Couplers - Female Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4FP-S	1/4-18 NPSF	2.19	0.99	0.81	0.26
1/4	HF-251-6FP-S	3/8-18 NPSF	2.34	0.99	0.81	0.27
3/8	HF-371-4FP-S	1/4-18 NPSF	2.33	1.07	0.94	0.33
3/8	HF-371-6FP-S	3/8-18 NPSF	2.33	1.07	0.94	0.31
3/8	HF-371-8FP-S	1/2-14 NPTF	2.49	1.07	1.00	0.35

Heavy Duty Couplers - Male Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4MP-S	1/4-18 NPTF	2.34	0.99	0.81	0.25
1/4	HF-251-6MP-S	3/8-18 NPTF	2.37	0.99	0.81	0.26
3/8	HF-371-4MP-S	1/4-18 NPTF	2.49	1.07	0.94	0.32
3/8	HF-371-6MP-S	3/8-18 NPTF	2.52	1.07	0.94	0.30
3/8	HF-371-8MP-S	1/2-14 NPTF	2.68	1.07	0.94	0.33

Heavy Duty Couplers - Standard Hose Barb



Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4HB-S	1/4	2.81	0.99	0.81	0.26
1/4	HF-251-6HB-S	3/8	2.81	0.99	0.81	0.27
3/8	HF-371-6HB-S	3/8	3.02	1.07	0.94	0.31
3/8	HF-371-8HB-S	1/2	3.02	1.07	0.94	0.34

Heavy Duty Couplers - Push-Lok Hose Barb*



Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	HF-251-4PL-S	1/4	2.64	0.99	0.81	0.26
1/4	HF-251-6PL-S	3/8	2.78	0.99	0.81	0.27
3/8	HF-371-6PL-S	3/8	3.02	1.07	0.94	0.33
3/8	HF-371-8PL-S	1/2	3.07	1.07	0.94	0.31

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



Parker's 10 Series Pneumatic Couplers are the original Tru-Flate design. 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 .

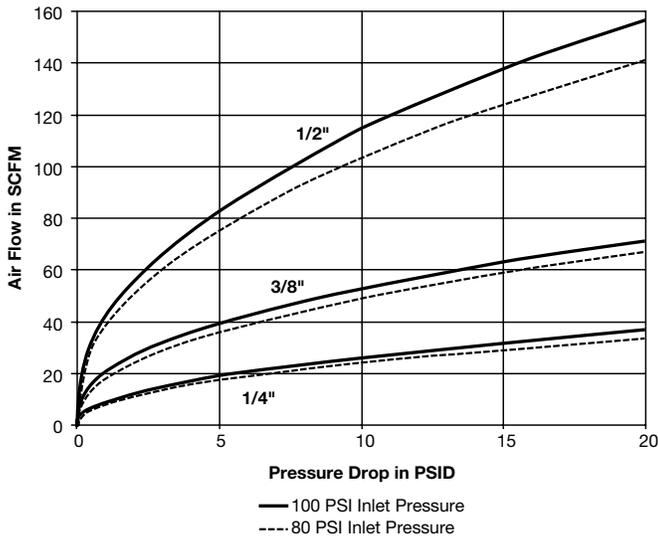
Features:

- 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

Applications include:

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

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



10 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

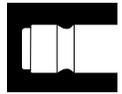
Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY
3/8	Nitrile	14K
3/8	Ethylene Propylene	14KW
3/8	Fluorocarbon	14KY
1/2	Nitrile	16K
1/2	Ethylene Propylene	16KW
1/2	Fluorocarbon	16KY

Optional Materials and Features:

(add code to part number)

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



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

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



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

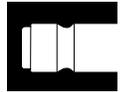
* Coupler has brass body and steel sleeve.

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.



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.



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.



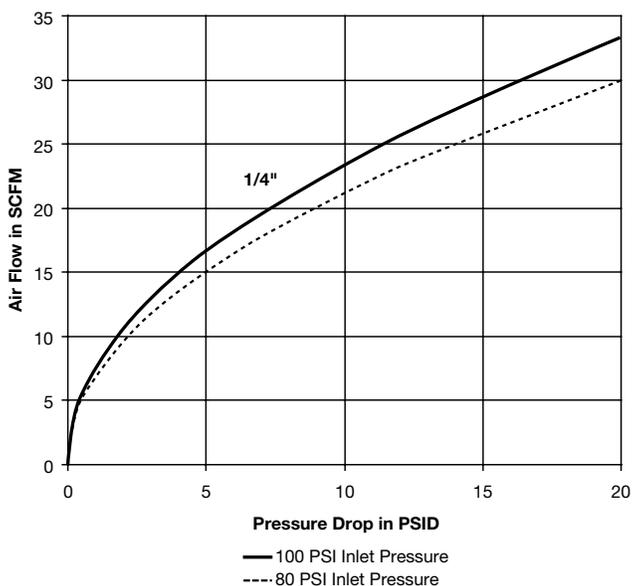
Features:

- 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

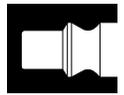
Repair Kits		
Body Size	Seal Material	Part No.
1/4	Nitrile	21K
1/4	Ethylene Propylene	21KW
1/4	Fluorocarbon	21KY

Optional Materials and Features:

(add code to part number)

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

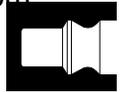
* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

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

Pneumatic Quick Couplings
General Purpose

50 Series Couplers
ARO 210 Interchange

Manual sleeve, single shut off



A Pneumatics

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



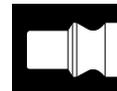
Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	B52	1/4-18 NPTF	2.05	0.90	0.75	0.20
1/4	B52E	3/8-18 NPTF	2.08	0.90	0.75	0.21

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.



HA Series Pneumatic Couplers are interchangeable with ARO's 210 series and also connect with Parker's 50 Series nipples. Couplers have brass bodies and steel valves. Nipples are constructed of steel. Sleeve-Lok is an optional feature

Features

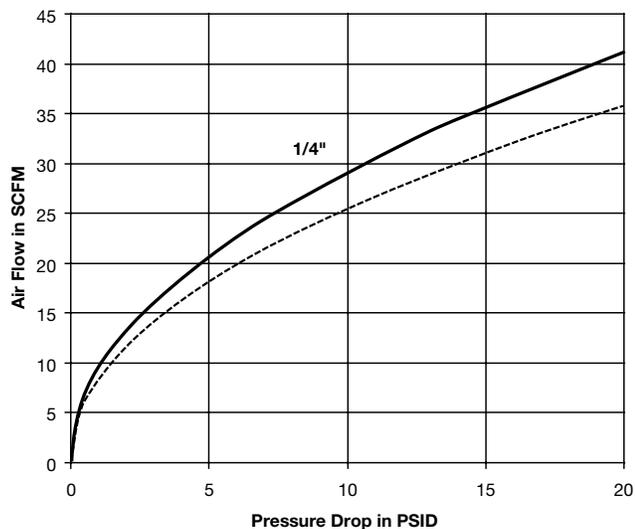
- Integral sleeve guard resists accidental disconnection
- Push-to-connect sleeve for easy one hand operation
- Tubular valve delivers high air flow with minimal pressure drop
- Standard seal is Nitrile

Applications:

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

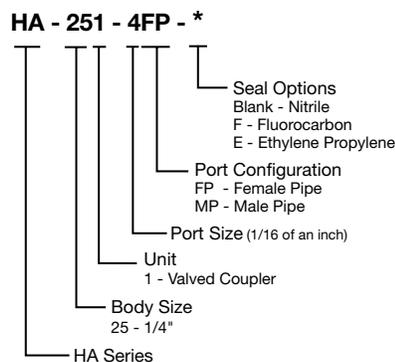
Performance

HA Series (1/4" size)



HA 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

How To Order



Note: See 50 Series for mating Nipples.

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

Optional Seal Materials:

(add code to part number)

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

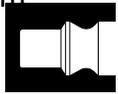
Contact QCD for availability and additional options.
 To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



Pneumatic Quick Couplings
General Purpose

HA Series Couplers
ARO 210 Interchange

Push-to-connect sleeve, single shut off



A Pneumatics

Couplers- Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	HA-251-4FP	1/4-18 NPSF	2.11	1.01	081	0.26

Couplers- Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	HA-251-4MP	1/4-18 NPSF	2.26	1.01	0.81	0.24

Note: See 50 Series for mating Nipples.



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.

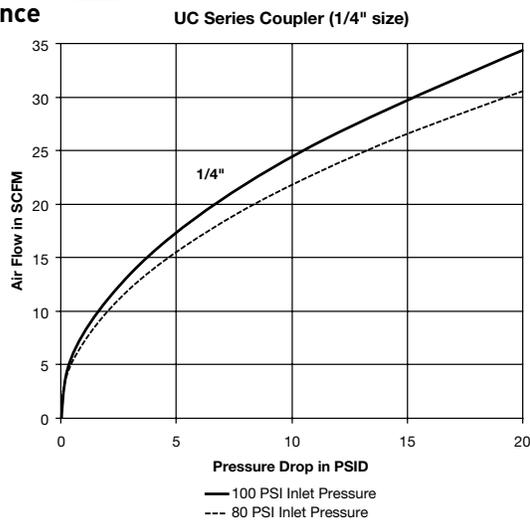
Features:

- Sleeve guard protects against accidental disconnection
- Push-to-connect operation
- Brass construction
- One coupler connects with three nipple styles

Applications include:

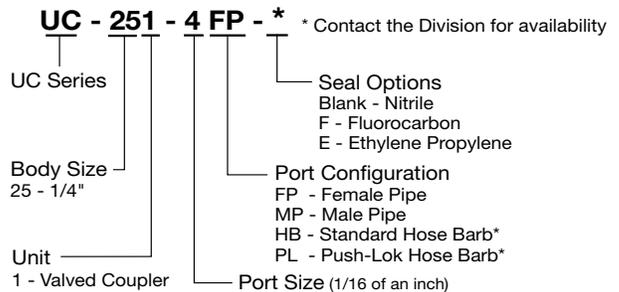
- Air compressors
- Pneumatic tools
- Drop-down air lines

Performance



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



Couplers - Female Pipe Thread

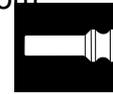


Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	UC-251-4FP	1/4-18 NPSF	2.06	0.98	0.81	0.23
1/4	UC-251-6FP	3/8-18 NPSF	2.21	0.98	0.81	0.23

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



A Pneumatics



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.

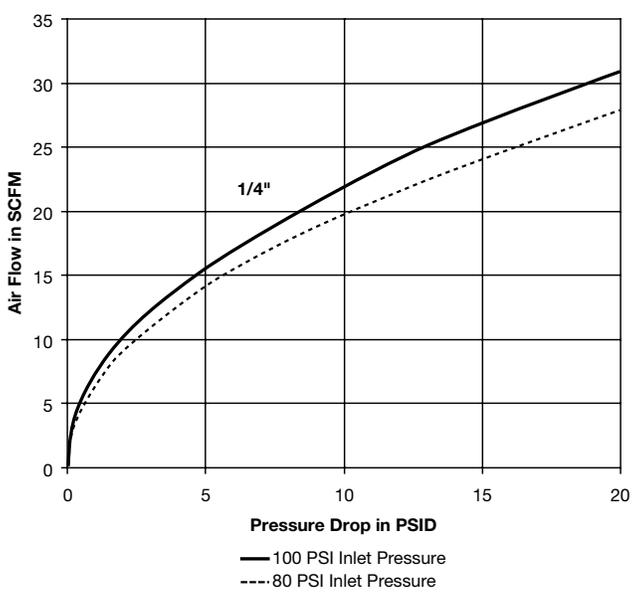
Features

- 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

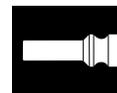


Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	B73	1/4-18 NPTF	2.40	0.90	0.75	0.25

Pneumatic Quick Couplings

General Purpose

70 Series Couplers
Lincoln (Long) Interchange
 Manual sleeve, single shut off



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 N	Stainless steel springs, locking balls & brass valves (Couplers)	B72N
suffix -SL	Sleeve-Lok (Couplers)	B72-SL
suffix W	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	B72W
suffix Y	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.



A Pneumatics



RF Series Pneumatic Couplers are designed to increase flow and reduce pressure drop through the coupling. RF 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 have brass bodies with nickel plated steel sleeves. RF nipples are steel.

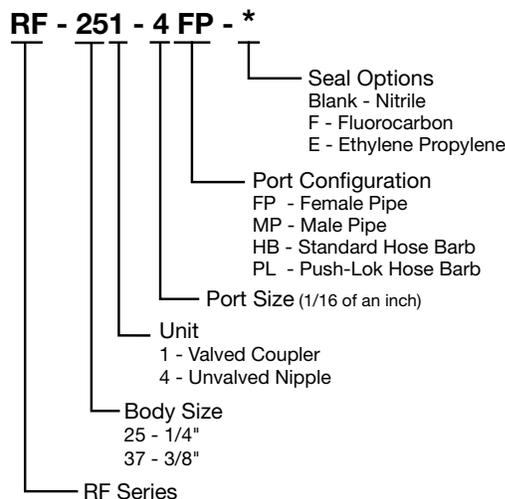
Features:

- Aerodynamic valve design
- Steel nipples are case hardened
- Flow rates on 1/4" is greater than many 3/8" body size couplers
- Flow rates on 3/8" is greater than many 1/2" body size couplers
- Integral sleeve guard protects against accidental disconnection
- Functionally interchanges with a common high-flow European design. 1/4 RF interchanges with Rectus 25 and CEJN 320. 3/8" RF interchanges with Rectus 27 and CEJN 410
- Standard seal is Nitrile

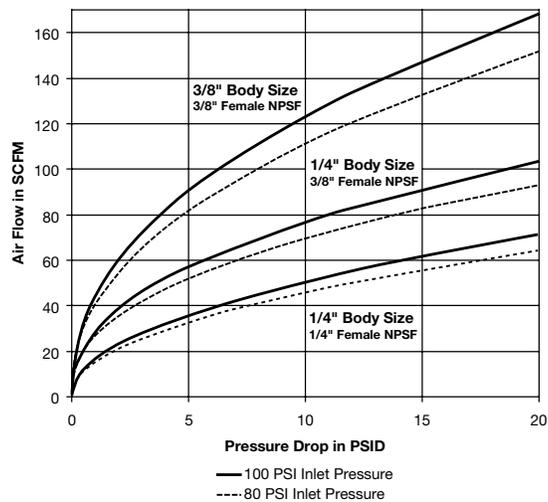
Applications include:

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

How To Order



Performance RF Series (1/4" & 3/8" body size) with 1/4" & 3/8" Female NPSF



RF Series Specifications		
Body Size	1/4	3/8
Rated Pressure (psi)	300	
Temperature Range (std seals)	-40° to +250° F	
Locking Device	4 balls	8 balls
Vacuum Service	Not Recommended	

Optional Seal Materials:
 (add code to part number)

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

Contact QCD for availability and additional options.
 To select proper seal materials, see Fluid Compatibility Chart or contact QCD.





Couplers- Female Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-251-4FP	1/4-18 NPSF	2.19	0.99	0.81	0.26
1/4	RF-251-6FP	3/8-18 NPSF	2.34	0.99	0.81	0.27
3/8	RF-371-6FP	3/8-18 NPSF	2.33	1.07	0.94	0.31
3/8	RF-371-8FP	1/2-14 NPTF	2.49	1.07	1.00	0.35

Couplers- Male Pipe Thread



Body Size	Part No. Brass	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-251-4MP	1/4-18 NPTF	2.34	0.99	0.81	0.24
1/4	RF-251-6MP	3/8-18 NPTF	2.37	0.99	0.81	0.25
1/4	RF-251-8MP	1/2-14 NPTF	2.56	0.99	0.88	0.29
3/8	RF-371-6MP	3/8-18 NPTF	2.52	1.07	0.94	0.30
3/8	RF-371-8MP	1/2-14 NPTF	2.68	1.07	0.94	0.33

Couplers- Standard Hose Barb



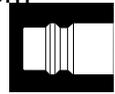
Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-251-4HB	1/4	2.81	0.99	0.81	0.26
1/4	RF-251-6HB	3/8	2.81	0.99	0.81	0.27
3/8	RF-371-6HB	3/8	3.02	1.07	0.94	0.31
3/8	RF-371-8HB	1/2	3.02	1.07	0.94	0.34

Couplers- Push-Lok Hose Barb*



Body Size	Part No. Brass	Hose I.D.	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-251-4PL	1/4	2.64	0.99	0.81	0.26
1/4	RF-251-6PL	3/8	2.78	0.99	0.81	0.27
1/4	RF-251-8PL	1/2	2.93	0.99	0.81	0.28
3/8	RF-371-6PL	3/8	3.02	1.07	0.94	0.33
3/8	RF-371-8PL	1/2	3.02	1.07	0.94	0.33

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



A Pneumatics

Nipples- Female Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-254-4FP	1/4-18 NPTF	1.45	0.72	0.62	0.06
1/4	RF-254-6FP	3/8-18 NPTF	1.50	0.94	0.81	0.09
3/8	RF-374-6FP	3/8-18 NPTF	1.53	0.94	0.81	0.10
3/8	RF-374-8FP	1/2-14 NPTF	1.62	1.16	1.00	0.13

Nipples- Male Pipe Thread



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	RF-254-4MP	1/4-18 NPTF	1.60	0.65	0.56	0.05
1/4	RF-254-6MP	3/8-18 NPTF	1.67	0.75	0.69	0.08
1/4	RF-374-6MP	3/8-18 NPTF	1.70	0.75	0.69	0.09
3/8	RF-374-8MP	1/2-14 NPTF	1.85	1.01	0.88	0.15

Nipples- Standard Hose Barb



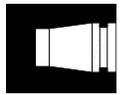
Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Weight (lbs.)
1/4	RF-254-4HB	1/4	1.66	0.50	0.04
1/4	RF-254-6HB	3/8	1.66	0.50	0.05
3/8	RF-374-6HB	3/8	1.63	0.59	0.07
3/8	RF-374-8HB	1/2	1.87	0.68	0.08

Nipples- Push-Lok Hose Barb*



Body Size	Part No. Steel	Hose I.D.	Length	Largest Diameter	Weight (lbs.)
1/4	RF-254-4PL	1/4	1.69	0.50	0.04
1/4	RF-254-6PL	3/8	1.83	0.50	0.05
3/8	RF-374-6PL	3/8	1.80	0.59	0.07
3/8	RF-374-8PL	1/2	2.09	0.897	0.09

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



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:

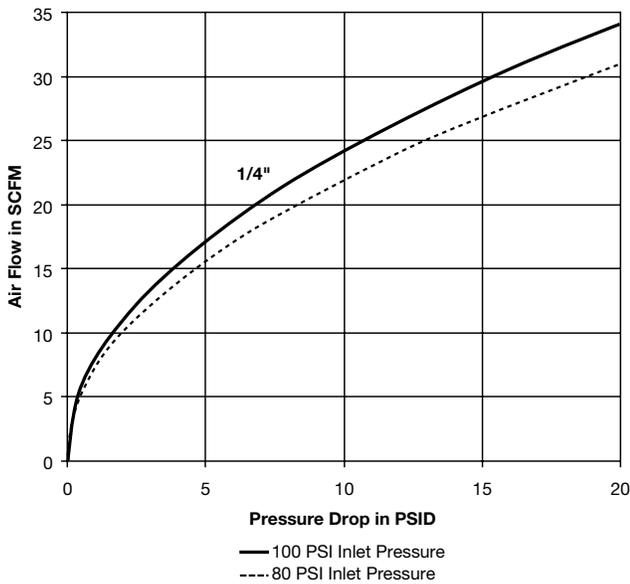
- Designed to resist accidental disconnection
- Push-to-connect, twist sleeve 1/8 turn to disconnect
- Tubular valve delivers high air flow with minimal pressure drop
- Standard seal is Nitrile

Applications include:

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

Performance

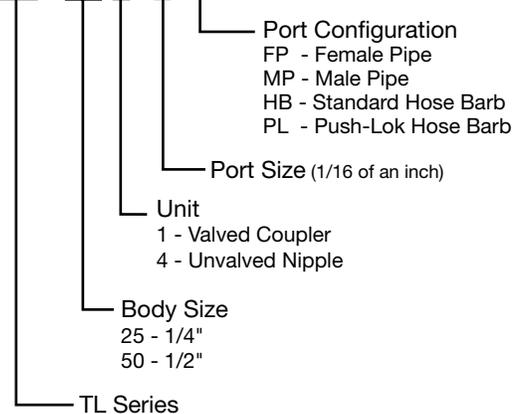
Twist-Lock Series (1/4" size)



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 - 251 - 4FP



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



Pneumatic Quick Couplings
General Purpose

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



A Pneumatics

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

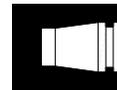
Optional Seal Materials:
(add code to part number)

Code	Description	Part Number Example
suffix W	Ethylene Propylene seal material (-65° to + 400° F) (Couplers)	TL-251-4FPW
suffix Y	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.

Pneumatic Quick Couplings
General Purpose

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



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

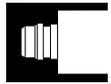


Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	TL-254-2MP	1/8-27 NPTF	1.68	0.58	0.50	0.05
1/4	TL-254-4MP	1/4-18 NPTF	1.72	0.65	0.56	0.06
1/2	TL-504-4MP	1/4-18 NPTF	1.90	0.80	0.69	0.12
1/2	TL-504-6MP	3/8-18 NPTF	1.90	0.80	0.69	0.12
1/2	TL-504-8MP	1/2-14 NPTF	2.06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



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:

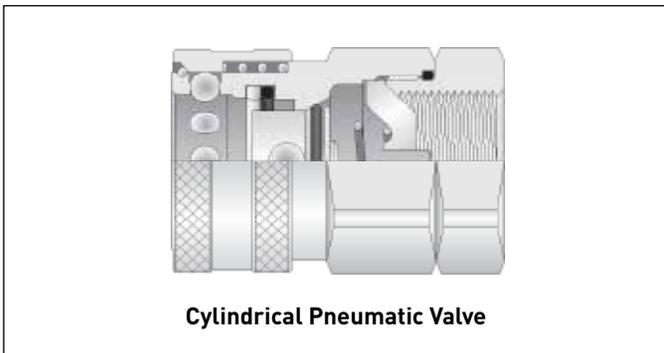
- Sizes 1/4" - 3/4"
- Steel body material
- Standard seal material is nitrile with other options available
- Optional sleeve lock helps to prevent accidental disconnection
- Manually operated sleeve provides secure connection
- Coupler has 360° cylindrical valve contact

Applications include:

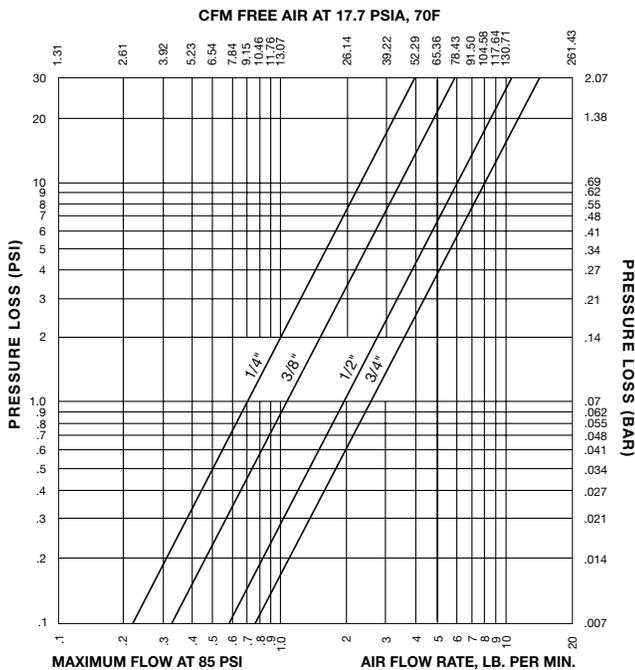
- Industrial air lines
- Pneumatic tools

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



Pneumatic Quick Couplings
General Purpose

IH Series
Snap-tite Design

Manual Sleeve, Single Shut-off



IH Series Couplers



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	HN4-4F	1/4 -18 NPTF (female)	1.32	0.73	0.88
1/4	HN4-4M	1/4 -18 NPT (male)	0.78	0.65	0.56
3/8	HN6-6F	3/8 -18 NPTF (female)	1.52	0.94	0.81
3/8	HN6-6M	3/8 -18 NPT (male)	0.98	0.80	0.69
1/2	HN8-8F	1/2 -14 NPTF (female)	1.72	1.15	1.00
1/2	HN8-8M	1/2 -14 NPTF (male)	1.01	1.02	0.88
3/4	HN12-12F	3/4 -14 NPT (female)	1.92	1.37	1.19
3/4	HN12-12M	3/4 -14 NPT (male)	1.14	1.22	1.06



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:

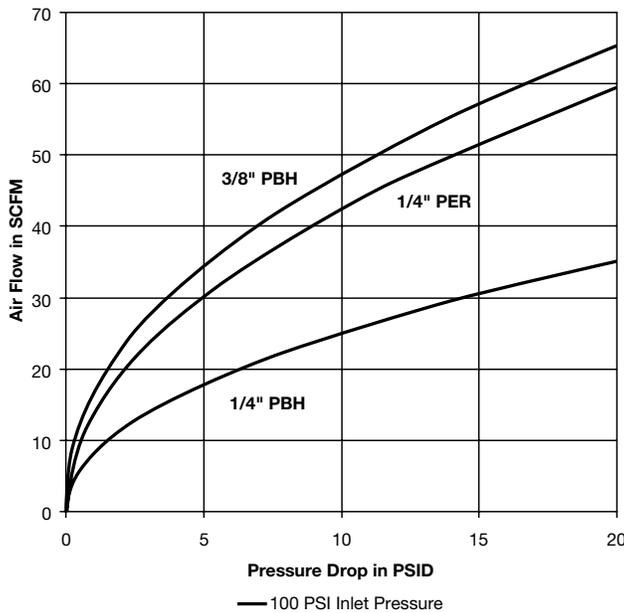
- Push-to-connect operation, pull sleeve in the direction of the arrow to release the nipple
- PBH part number (yellow ring) couplers connect with Industrial Interchange nipples
- PER part number (green ring) couplers connect with RF series nipples
- Standard seal is Nitrile

Applications include:

- Pneumatic tools
- Drop-down air lines

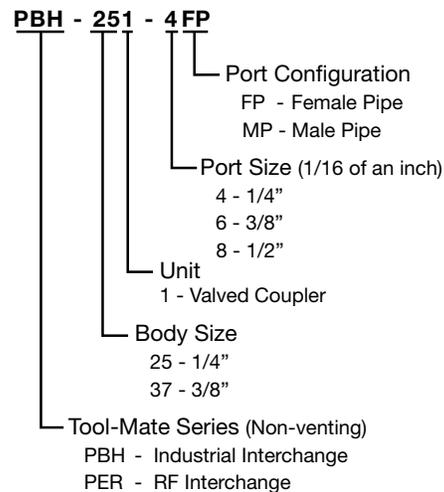
Performance

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





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-371-4MP	1/4-18 NPTF	3.39	1.38	0.83	0.23
3/8	PBH-371-6MP	3/8-18 NPTF	3.39	1.38	0.83	0.23

RF 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

RF 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
1/4	PER-251-6MP	3/8-18 NPTF	2.40	1.25	0.83	0.18



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:

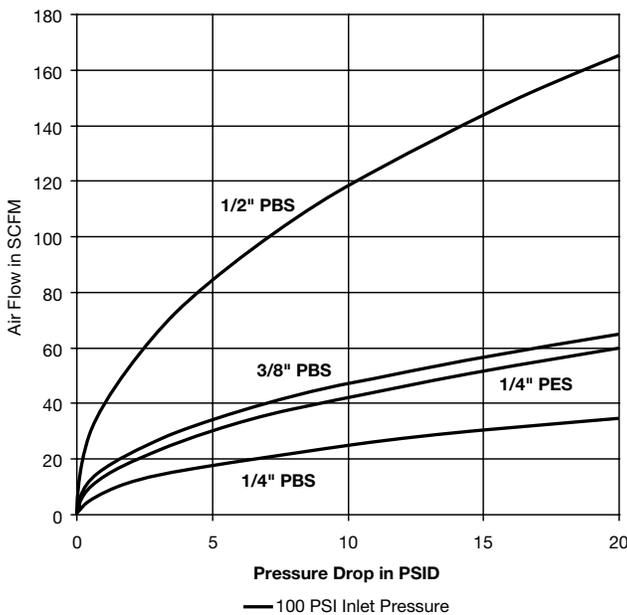
- Meets ISO 4414 requirements for a controlled pressure release system
- Push-to-connect operation, two step disconnection as indicated by the arrows, provides safe venting of downstream pressure
- PBS part number (yellow ring) couplers connect with Industrial Interchange nipples
- PES part number (green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

Applications include:

- Pneumatic tools
- Drop-down air lines

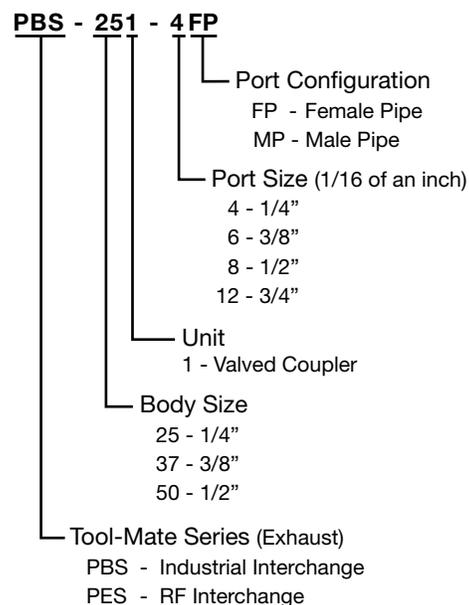
Performance

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





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 RF Interchange-Female Pipe Thread

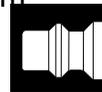


Body Size	Part No.	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs)
1/4	PES-251-6FP	3/8-18 NPTF	2.83	0.83	0.83	0.15

Exhaust RF 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



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

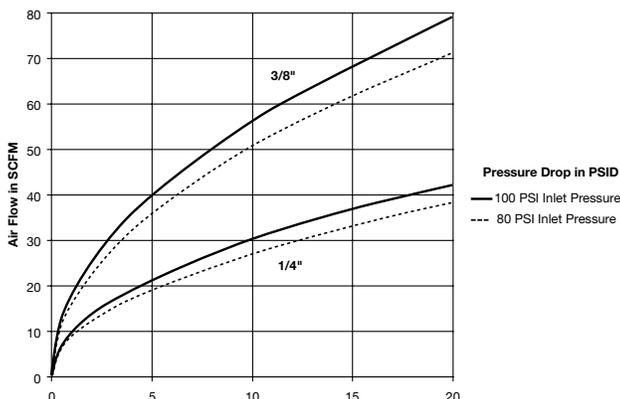
Parker E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the On-Off arrow stamped on the valve sleeve. It's that easy.

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.

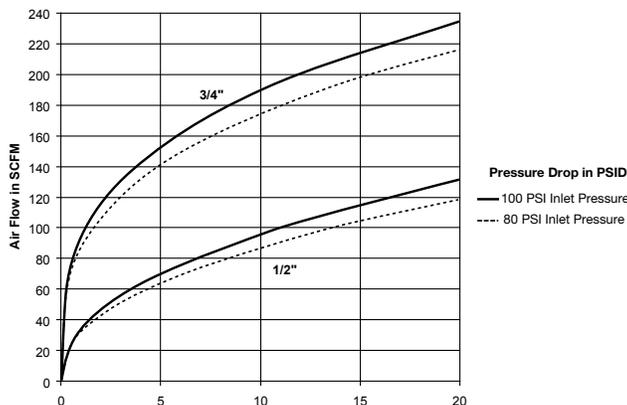
To disconnect, rotate the valve sleeve counter clockwise (when viewed from the coupler end). The flow of air through the coupling will be shut off and all downstream air is vented to the atmosphere. The locking sleeve may now be retracted and the nipple removed. Lubricate sleeve as part of periodic maintenance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

Performance

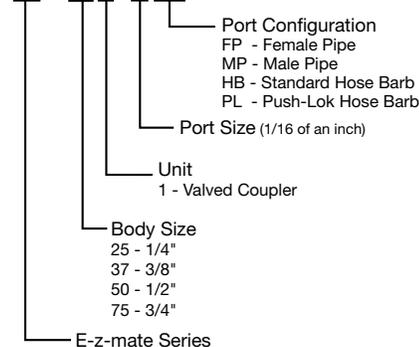
E-z-mate Series (1/4" & 3/8" sizes)



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

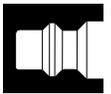


EZ - 251 - 4 FP



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			



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.



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
- 1/2 psi max pressure rating
- 1/4" - 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
- Fusible link internal to the nipple protects against gas-fed fires

Applications include:

- Small Gas Appliances



GF Specifications

Body Size	1/4	3/8	1/2	3/4	1	1-1/4
Flow Capacity*	24,300 Btu/hr	50,000 Btu/hr	99,600 Btu/hr	212,000 Btu/hr	378,000 Btu/hr	475,000 Btu/hr
Temperature Range: 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)
1/4	BVGFC4-4F	1/4-18 NPTF	1.64	2.41	0.96	0.88	0.194
3/8	BVGFC6-6F	3/8-18 NPTF	1.90	2.69	1.22	1.00	0.284
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)
1/4	BPGFN4-4F	1/4-18 NPTF	1.32	2.41	0.69	0.62	0.052
3/8	BPGFN6-6F	3/8-18 NPTF	1.52	2.69	0.91	0.81	0.105
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