

**Component Part Features**

1. Precision machining, hardened wear points\* and solid bar stock construction provide long life even in rugged applications.
  2. Tubular valve with large flow passages delivers high flow with minimum pressure drop for efficient performance. The tubular design provides 360° support for both the valve seal and the mating nipple for long service life.
  3. Precision molded seals form a “bubble tight” seal for reliable operation within rated working pressures. Standard seal material is Nitrile. Ethylene Propylene, Fluorocarbon and Neoprene are available as options. See the Coupling Selection and Ordering Guide in the front of the Pneumatic Section of the catalog.
  4. Proven ball locking mechanism with large numbers of hardened steel or stainless steel locking balls evenly distribute the load to resist wear and provide positive connections. The ball locking mechanism also provides accurate alignment and allows a swiveling action to reduce hose torque.
  5. Integral sleeve guard protects the sleeve and resists accidental disconnects by allowing the coupling to ride over obstructions without the sleeve being retracted.
  6. Knurling on the sleeve provides a gripping surface for ease of operation.
  7. Wide range of end configurations are available to meet specific needs. Parker push-to-connect type couplings are available with male pipe thread, female pipe thread, standard hose barb, and Push-Lok hose barb\*\*.
  8. Parker 20, 30, HF, and E-z-mate Series couplings mate with industrial interchange design nipples. See Table of Contents for additional specifications.
  9. Push-to-connect design permits one-handed connection when the coupler half is rigidly mounted.
- \* steel nipples only
- \*\* Push-Lok hose barbs are designed for use with Parker Push-Lok hose and do not require clamps.

## Pneumatic Quick Couplings

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



### Features

- Aerodynamic valve design.
- Flow area of the RF nipple is up to 2-1/2 times larger than industrial interchange nipples.
- Flow rates on 1/4" greater than many 3/8" body size couplers.
- Flow rates on 3/8" greater than many 1/2" body size couplers.
- Coupler sleeves are nickel-plated steel and coupler bodies are solid brass construction for excellent corrosion resistance. Standard RF nipples are manufactured from solid steel bar stock, case hardened and Chromium-6 Free plated.
- Dependable ball locking mechanism allows a swiveling action to reduce hose torque.
- Push-To-Connect design for easy one hand connection.
- Integral sleeve guard to protect against accidental disconnection.
- Wide range of port options available.
- More efficient use of compressed air due to higher flows and reduced pressure drop.
- 1/4" body size interchanges with Rectus 25 and Cejn 320 series.
- 3/8" body size interchanges with Rectus 27 and Cejn 410 series.

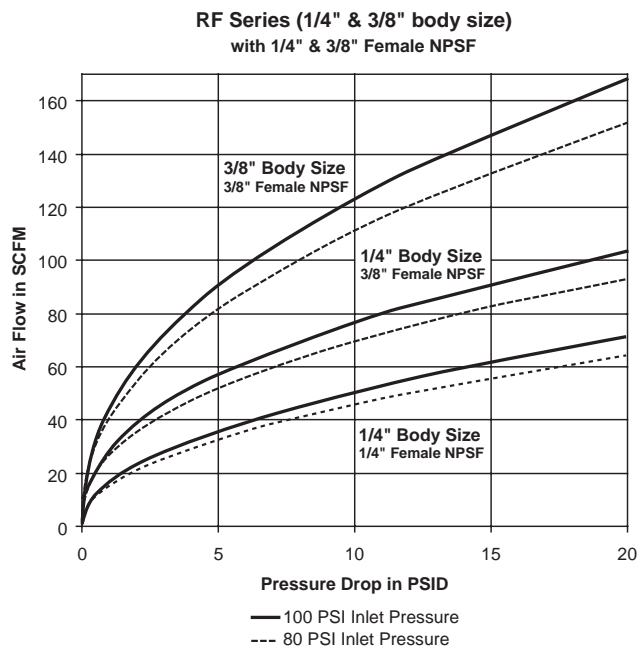
### Specifications

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

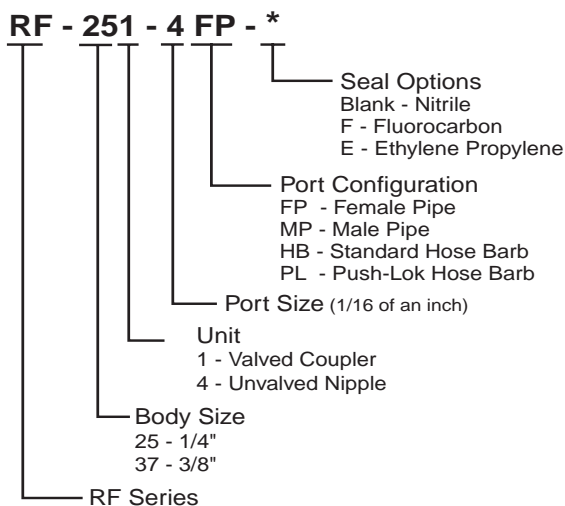
### Description

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

### Performance

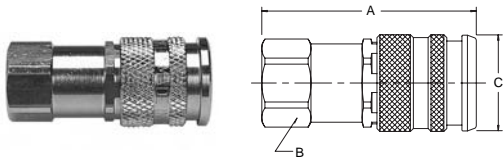


### How To Order



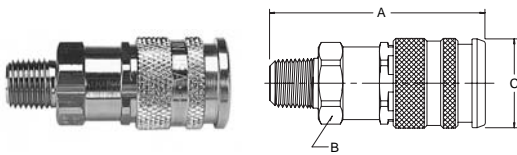
Couplers

Female Pipe Thread



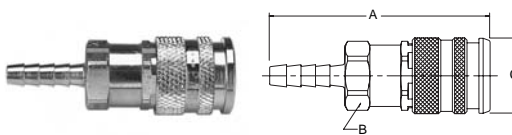
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4FP	CRF02-4-4	1/4-18	2.19	0.81	0.99	0.26
1/4	RF-251-6FP	CRF02-4-6	3/8-18	2.34	0.81	0.99	0.27
3/8	RF-371-6FP	–	3/8-18	2.33	0.94	1.07	0.31
3/8	RF-371-8FP	–	1/2-14	2.49	1.00	1.07	0.35

Male Pipe Thread



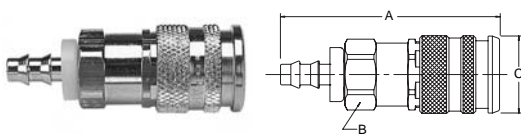
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4MP	CRF01-4-4	1/4-18	2.34	0.81	0.99	0.24
1/4	RF-251-6MP	CRF01-4-6	3/8-18	2.37	0.81	0.99	0.25
1/4	RF-251-8MP	CRF01-4-8	1/2-14	2.56	0.88	0.99	0.29
3/8	RF-371-6MP	–	3/8-18	2.52	0.94	1.07	0.30
3/8	RF-371-8MP	–	1/2-14	2.68	0.94	1.07	0.33

Standard Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4HB	CRFHB-4-4	1/4	2.81	0.81	0.99	0.26
1/4	RF-251-6HB	CRFHB-4-6	3/8	2.81	0.81	0.99	0.27
3/8	RF-371-6HB	–	3/8	3.02	0.94	1.07	0.31
3/8	RF-371-8HB	–	1/2	3.02	0.94	1.07	0.34

Push-Lok Hose Barb



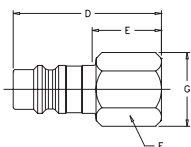
Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4PL	CRFPL-4-4	1/4	2.64	0.81	0.99	0.26
1/4	RF-251-6PL	CRFPL-4-6	3/8	2.78	0.81	0.99	0.27
1/4	RF-251-8PL	CRFPL-4-8	1/2	2.93	0.81	0.99	0.28
3/8	RF-371-6PL	–	3/8	3.02	0.94	1.07	0.33
3/8	RF-371-8PL	–	1/2	3.02	0.94	1.07	0.33

# Pneumatic Quick Couplings

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

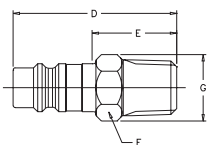
### Nipples

#### Female Pipe Thread



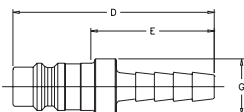
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)				Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	Hex Size	G		
1/4	RF-254-4FP	NRF02-4-4-S	1/4-18	1.45	0.68	0.62	0.72	0.06	
1/4	RF-254-6FP	NRF02-4-6-S	3/8-18	1.50	0.73	0.81	0.94	0.09	
3/8	RF-374-6FP	–	3/8-18	1.53	0.78	0.81	0.94	0.10	
3/8	RF-374-8FP	–	1/2-14	1.62	0.87	1.00	1.16	0.13	

#### Male Pipe Thread



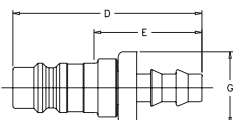
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)				Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	Hex Size	G		
1/4	RF-254-4MP	NRF01-4-4-S	1/4-18	1.60	0.83	0.56	0.65	0.05	
1/4	RF-254-6MP	NRF01-4-6-S	3/8-18	1.67	0.90	0.69	0.75	0.08	
3/8	RF-374-6MP	–	3/8-18	1.70	0.95	0.69	0.75	0.09	
3/8	RF-374-8MP	–	1/2-14	1.85	1.10	0.88	1.01	0.15	

#### Standard Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	G		
1/4	RF-254-4HB	NRFHB-4-4-S	1/4	1.66	0.89	0.50	0.04	
1/4	RF-254-6HB	NRFHB-4-6-S	3/8	1.66	0.89	0.50	0.05	
3/8	RF-374-6HB	–	3/8	1.63	0.88	0.59	0.07	
3/8	RF-374-8HB	–	1/2	1.97	1.22	0.68	0.08	

#### Push-Lok Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	G		
1/4	RF-254-4PL	NRFPL-4-4-S	1/4	1.69	0.92	0.50	0.04	
1/4	RF-254-6PL	NRFPL-4-6-S	3/8	1.83	1.06	0.50	0.05	
3/8	RF-374-6PL	–	3/8	1.80	1.05	0.59	0.07	
3/8	RF-374-8PL	–	1/2	2.09	1.34	0.897	0.09	

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



### Features

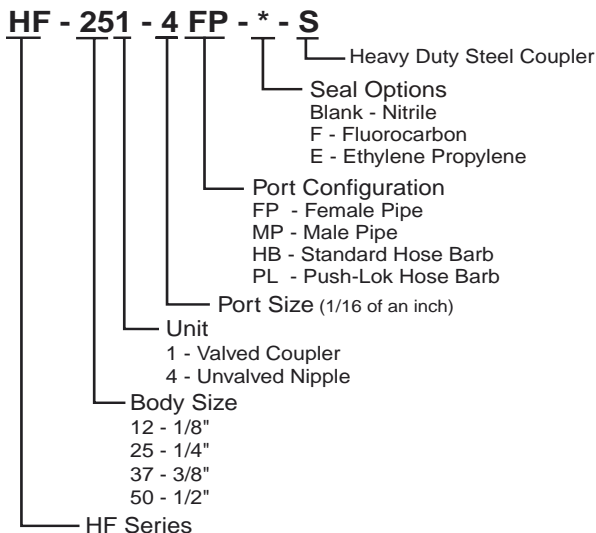
- Parker HF Series Pneumatic Quick Couplings offer an alternative to traditional industrial interchange couplers. The quality and durability you have come to expect from Parker 20 Series couplers, combined with a slim profile and push-to-connect design. The result is an easy to use general purpose pneumatic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

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

\*\* 1/8" couplings do not incorporate an integral sleeve guard.

\* 1/8" and 1/2" are unavailable in the Heavy Duty version.

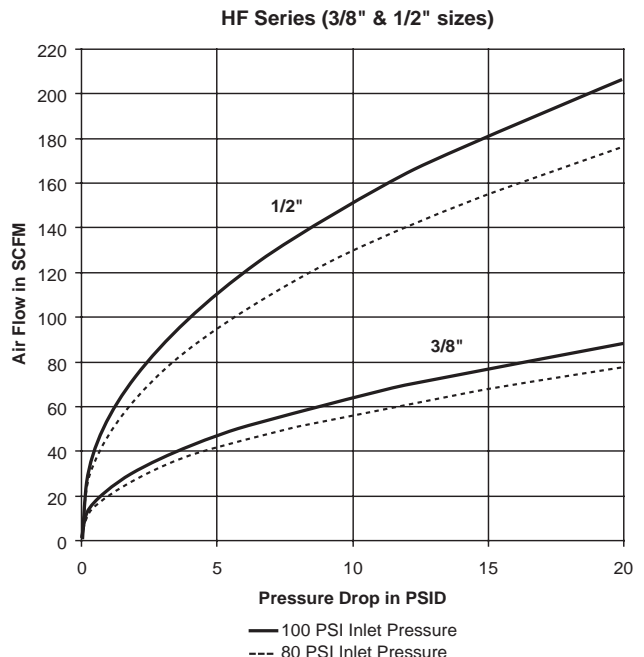
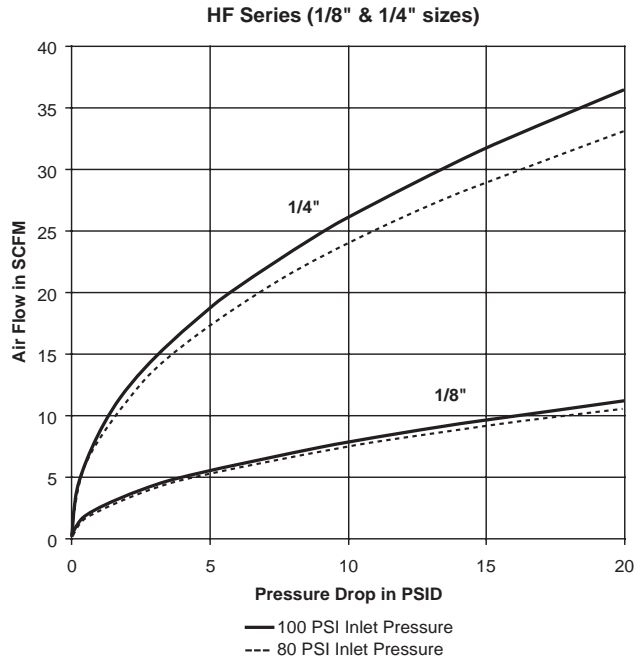
### How To Order



### Specifications

Body Size (in.)	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 (inches Hg)	Not Recommended			
Disconnected (coupler only)	—			
Connected	—	27.4	27.4	27.4

### Performance

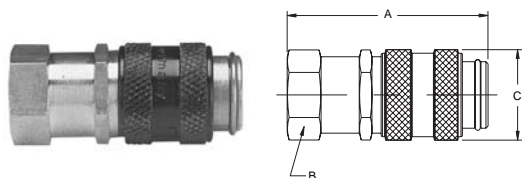


## Pneumatic Quick Couplings

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

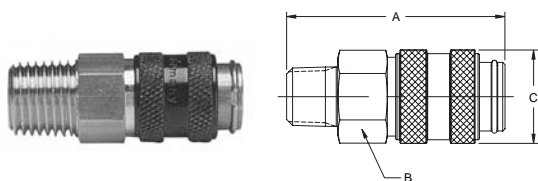
### 1/8" Body Size Couplers

#### Female Pipe Thread



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/8	HF-121-2FP	HF302F-2	1/8-27	1.42	0.55	0.63	0.06
1/8	HF-121-4FP	HF302F-4	1/4-18	1.81	0.67	0.63	0.10

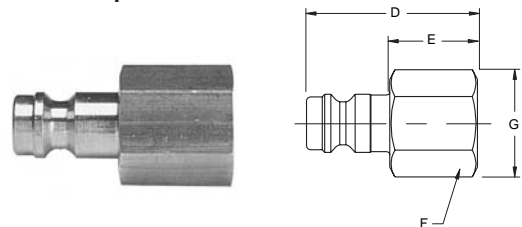
#### Male Pipe Thread



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/8	HF-121-2MP	HF302M-2	1/8-27	1.50	0.55	0.63	0.06
1/8	HF-121-4MP	HF302M-4	1/4-18	1.61	0.55	0.63	0.07

### 1/8" Body Size Nipples

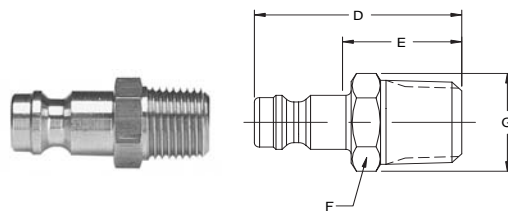
#### Female Pipe Thread



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
				Overall Length	Exposed Length*	Hex Size	Largest Diameter	
				D	E	F	G	
1/8	HF-124-2FP	HF702F-2	1/8-27	1.08	0.55	0.50	0.58	0.03
1/8	HF-124-4FP	HF702F-4	1/4-18	1.34	0.81	0.67	0.78	0.07

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

#### Male Pipe Thread



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)				Wt. (LB) P/Piece
				Overall Length	Exposed Length*	Hex Size	Largest Diameter	
				D	E	F	G	
1/8	HF-124-2MP	HF702M-2	1/8-27	1.06	0.53	0.44	0.51	0.03
1/8	HF-124-4MP	HF702M-4	1/4-18	1.25	0.72	0.56	0.63	0.05

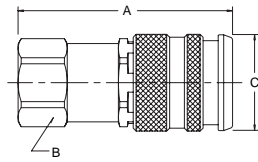
\* This dimension represents the portion that is exposed when nipple is inserted in a Parker HF series coupler.

# Pneumatic Quick Couplings

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

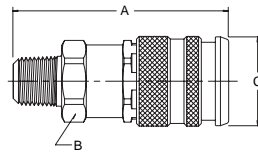
### 1/4", 3/8", & 1/2" Body Size Couplers

#### Female Pipe Thread



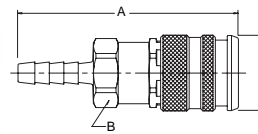
Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4FP	HF304F-4	1/4-18	2.19	0.81	0.99	0.26
1/4	HF-251-6FP	HF304F-6	3/8-18	2.34	0.81	0.99	0.27
3/8	HF-371-4FP	HF306F-4	1/4-18	2.33	0.94	1.07	0.33
3/8	HF-371-6FP	HF306F-6	3/8-18	2.33	0.94	1.07	0.31
3/8	HF-371-8FP	HF306F-8	1/2-14	2.49	1.00	1.07	0.35
1/2	HF-501-8FP	–	1/2-14	3.35	1.06	1.19	0.60

#### Male Pipe Thread



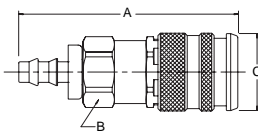
Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4MP	HF304M-4	1/4-18	2.34	0.81	0.99	0.25
1/4	HF-251-6MP	HF304M-6	3/8-18	2.37	0.81	0.99	0.26
3/8	HF-371-4MP	HF306M-4	1/4-18	2.49	0.94	1.07	0.32
3/8	HF-371-6MP	HF306M-6	3/8-18	2.52	0.94	1.07	0.30
3/8	HF-371-8MP	HF306M-8	1/2-14	2.68	0.94	1.07	0.33
1/2	HF-501-8MP	–	1/2-14	3.48	1.06	1.19	0.57

#### Standard Hose Barb



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4HB	HF304HB-4	1/4	2.81	0.81	0.99	0.26
1/4	HF-251-6HB	HF304HB-6	3/8	2.81	0.81	0.99	0.27
3/8	HF-371-6HB	HF306HB-6	3/8	3.02	0.94	1.07	0.31
3/8	HF-371-8HB	HF306HB-8	1/2	3.02	0.94	1.07	0.34

#### Push-Lok Hose Barb



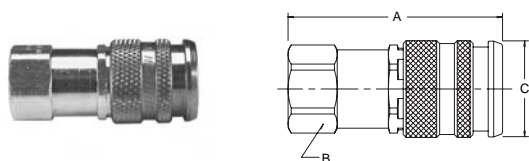
Body Size (in.)	New Part No. Brass	Old Part No. Brass	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4PL	HF304PL-4	1/4	2.64	0.81	0.99	0.26
1/4	HF-251-6PL	HF304PL-6	3/8	2.78	0.81	0.99	0.27
3/8	HF-371-6PL	HF306PL-6	3/8	3.02	0.94	1.07	0.33
3/8	HF-371-8PL	HF306PL-8	1/2	3.07	0.94	1.07	0.31

## Pneumatic Quick Couplings

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

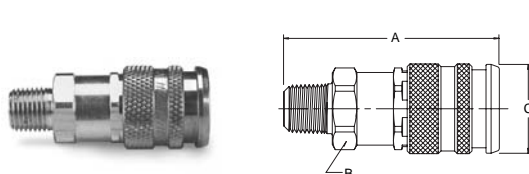
### Heavy Duty Couplers

#### Female Pipe Thread



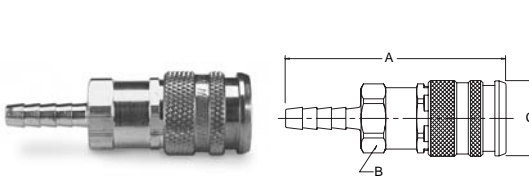
Body Size (in.)	New Part No. Steel	Old Part No. Steel	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4FP-S	HF404F-4	1/4-18	2.19	0.81	0.99	0.26
1/4	HF-251-6FP-S	HF404F-6	3/8-18	2.34	0.81	0.99	0.27
3/8	HF-371-4FP-S	HF406F-4	1/4-18	2.33	0.94	1.07	0.33
3/8	HF-371-6FP-S	HF406F-6	3/8-18	2.33	0.94	1.07	0.31
3/8	HF-371-8FP-S	HF406F-8	1/2-14	2.49	1.00	1.07	0.35

#### Male Pipe Thread



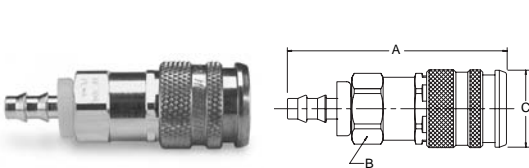
Body Size (in.)	New Part No. Steel	Old Part No. Steel	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4MP-S	HF404M-4	1/4-18	2.34	0.81	0.99	0.25
1/4	HF-251-6MP-S	HF404M-6	3/8-18	2.37	0.81	0.99	0.26
3/8	HF-371-4MP-S	HF406M-4	1/4-18	2.49	0.94	1.07	0.32
3/8	HF-371-6MP-S	HF406M-6	3/8-18	2.52	0.94	1.07	0.30
3/8	HF-371-8MP-S	HF406M-8	1/2-14	2.68	0.94	1.07	0.33

#### Standard Hose Barb



Body Size (in.)	New Part No. Steel	Old Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4HB-S	HF404HB-4	1/4	2.81	0.81	0.99	0.26
1/4	HF-251-6HB-S	HF404HB-6	3/8	2.81	0.81	0.99	0.27
3/8	HF-371-6HB-S	HF406HB-6	3/8	3.02	0.94	1.07	0.31
3/8	HF-371-8HB-S	HF406HB-8	1/2	3.02	0.94	1.07	0.34

#### Push-Lok Hose Barb



Body Size (in.)	New Part No. Steel	Old Part No. Steel	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	HF-251-4PL-S	HF404PL-4	1/4	2.64	0.81	0.99	0.26
1/4	HF-251-6PL-S	HF404PL-6	3/8	2.78	0.81	0.99	0.27
3/8	HF-371-6PL-S	HF406PL-6	3/8	3.02	0.94	1.07	0.33
3/8	HF-371-8PL-S	HF406PL-8	1/2	3.07	0.94	1.07	0.31



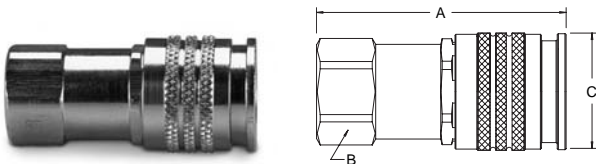


### Features

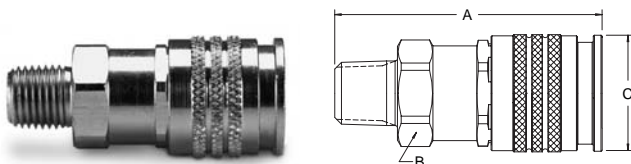
- Parker HA Series couplings are interchangeable with ARO's 210 series couplings. See Table of Contents.
- Push to Connect design for easy one hand operation.
- HA Series couplings utilize a tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect.
- The HA Series is only available in 1/4" body size.
- HA Series couplings have all brass bodies.
- Standard seal material is Nitrile. See the Coupling Selection and Ordering Information Guide at the beginning of Section A and the Fluid Compatibility Chart at the end of this catalog for optional materials.
- Other port options available – contact the division.
- Formerly the 50A Series.

### Couplers

#### Female Pipe Thread



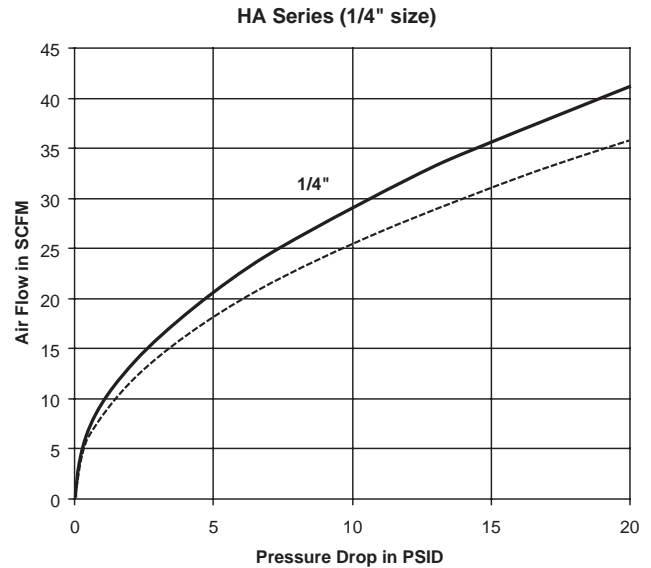
#### Male Pipe Thread



### Specifications

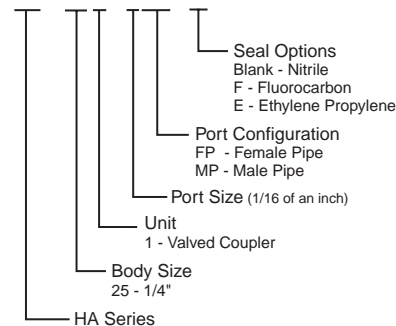
Body Size (in.)	1/4
Rated Pressure (psi)	300
Temperature Range (Std. seals)	-40° to +250° F
Locking Device	4 balls
Vacuum Service	<b>Not Recommended</b>

### Performance



### How To Order

#### HA - 251 - 4FP - \*



Body Size (in.)	NEW Part No. Brass	OLD Part No. Brass	Thread Size NPSF	Dimensions (in.)			Largest Diameter P/Piece	Wt. (LB)
				Overall Length	Hex Size	Hex Diameter		
1/4	HA-251-4FP	C50A02-4-4	1/4-18	2.11	0.81	1.01	0.26	

Body Size (in.)	NEW Part No. Brass	OLD Part No. Brass	Thread Size NPSF	Dimensions (in.)			Largest Diameter P/Piece	Wt. (LB)
				Overall Length	Hex Size	Hex Diameter		
1/4	HA-251-4MP	C50A01-4-4	1/4-18	2.26	0.81	1.01	0.24	

\* See page A-15 for Nipples

## Pneumatic Quick Couplings

## General Purpose – Push-To-Connect

### UC Series



### Features

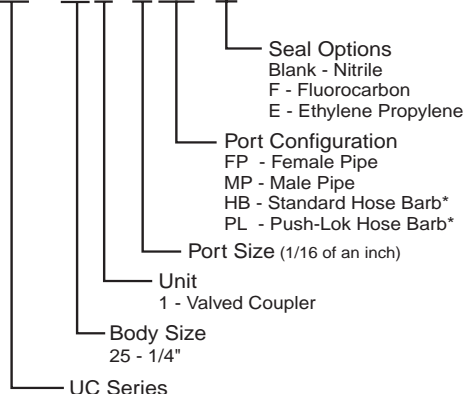
- The 1/4" UC Series Coupler will accept the industrial interchange, [(MIL-C-4109F) and (ANSI/(NFPA) T3.20.14-1990)], 10 Series (Tru-Flate) and the 50 series (ARO 210) style nipples.
- The coupler features automatic push-to-connect operation, high flow machined "window valve," corrosion resistant solid brass construction and a sleeve guard which helps prevent accidental disconnects and protects the sleeve from damage.
- While the best quick coupling performance is obtained by matching like series couplers and nipples, the universal coupler permits multiple series nipples to mate with one coupler.

### Specifications

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

### How to Order

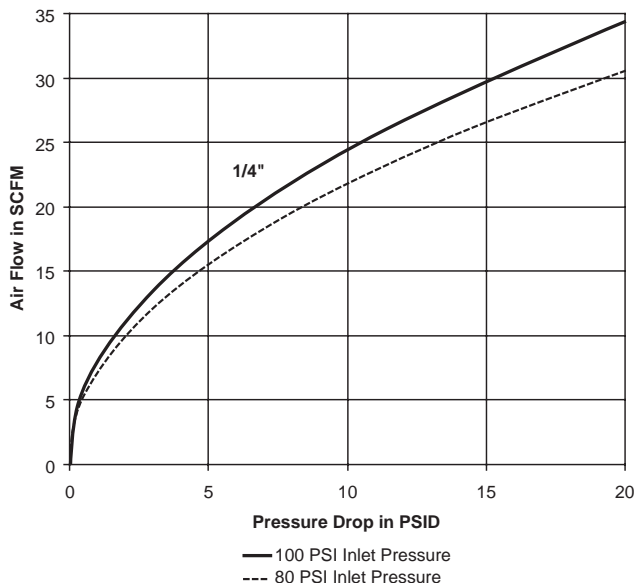
**UC - 251 - 4 FP - \***



\* Contact the Division for availability

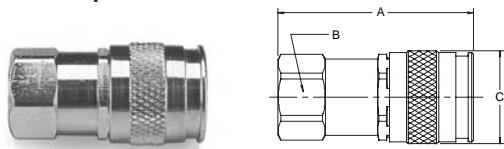
### Performance

UC Series Coupler (1/4" size)



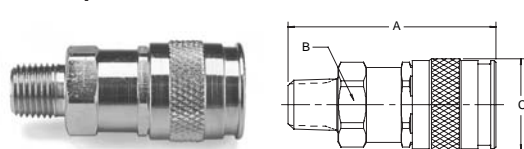
### Couplers

#### Female Pipe Thread



Body Size (in.)	New Part No. Brass	Old Pat No. Brass	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	UC-251-4FP	UC304F-4	1/4-18	2.06	0.81	0.98	0.23
1/4	UC-251-6FP	UC304F-6	3/8-18	2.21	0.81	0.98	0.23

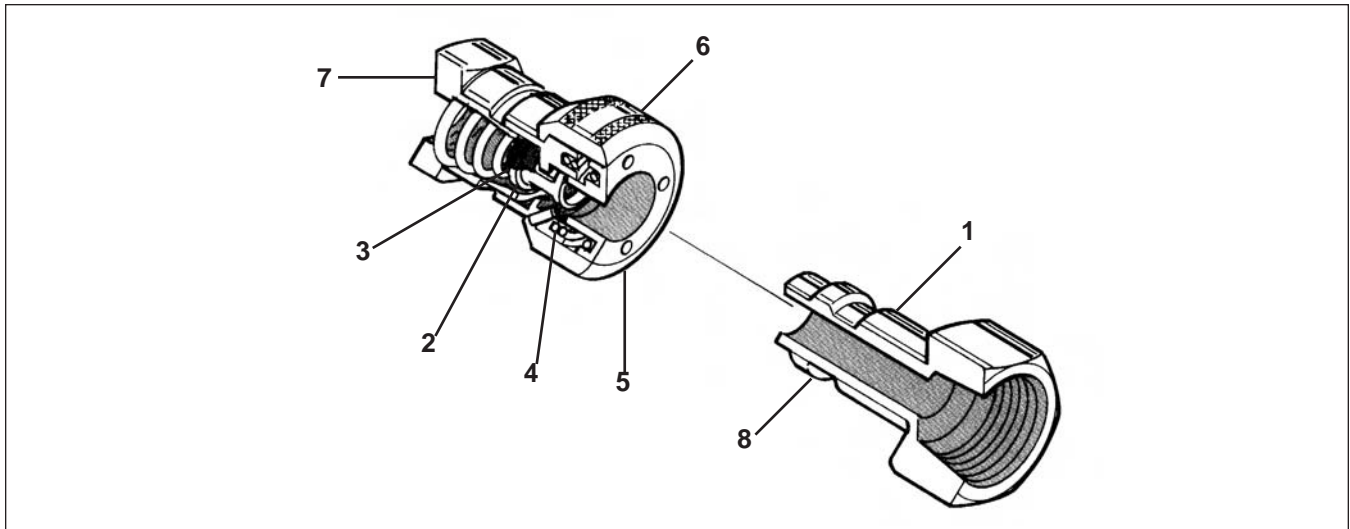
#### Male Pipe Thread



Body Size (in.)	New Part No. Brass	Old Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	UC-251-4MP	UC304M-4	1/4-18	2.21	0.81	0.98	0.22
1/4	UC-251-6MP	UC304M-6	3/8-18	2.24	0.81	0.90	0.23

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





### Component Part Features

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

\* steel nipples only

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

## Pneumatic Quick Couplings

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



### Features

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

### Specifications

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

\* See Coupling Selection and Ordering Guide for Optional Seals.

### Repair Kits

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

### How to Order Information

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

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

### Operation

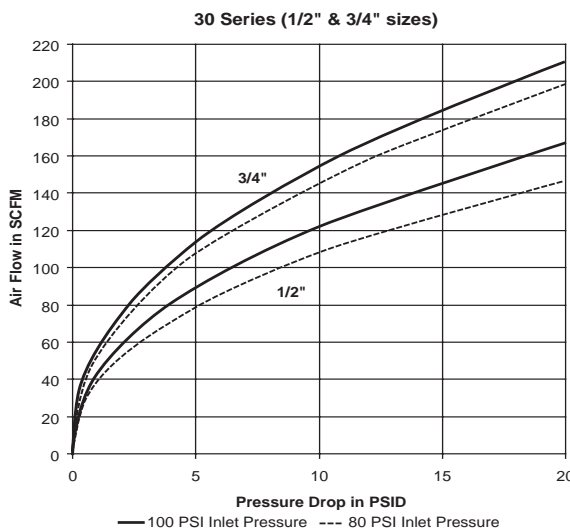
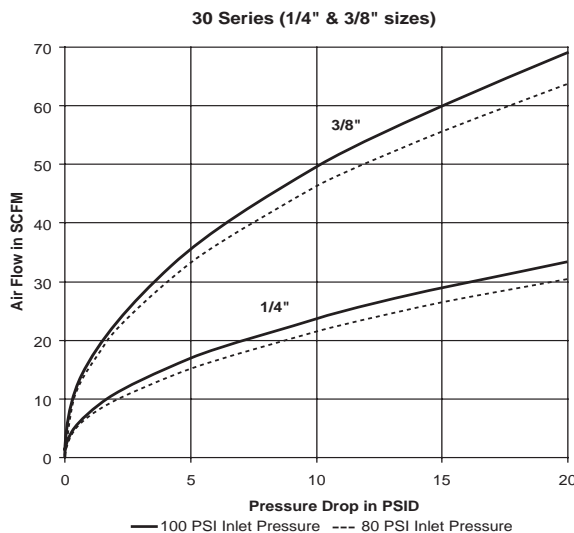
Push type couplings feature one handed “automatic” connection by pushing the nipple into the coupler—provided the coupler half is firmly mounted.

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

Sleeve must be manually retracted to remove the nipple.

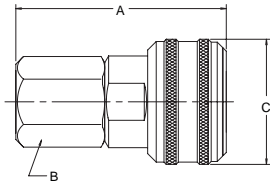
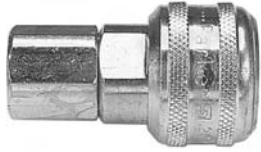
30 Series couplings are push type Single Shut-Off couplings.

### Performance



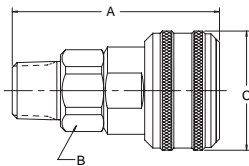
Couplers

Female Pipe Thread



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

Male Pipe Thread



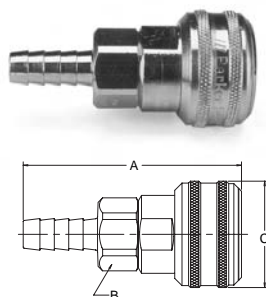
Body Size (in.)	Part No. Brass	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
			Overall Length	Hex Size	Largest Diameter	
			A	B	C	
1/4	B32A	1/8-27	2.03	0.75	1.20	0.27
1/4	B32	1/4-18	2.18	0.75	1.20	0.28
1/4	B32E	3/8-18	2.18	0.75	1.20	0.28
3/8	B34C	1/4-18	2.38	0.88	1.39	0.36
3/8	B34	3/8-18	2.44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

## Pneumatic Quick Couplings

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

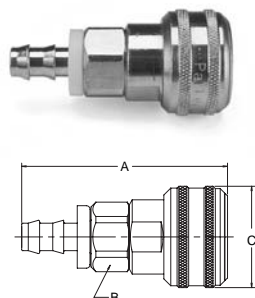
### Couplers

#### Standard Hose Barb



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

#### Push-Lok Hose Barb\*



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

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



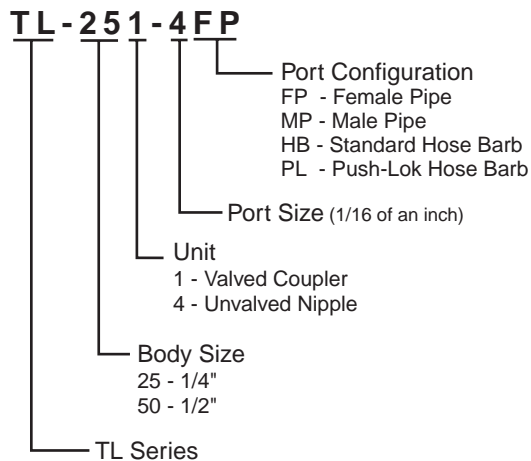
### Features

- Push-to-Connect design for easy one hand operation.
- A variety of port configurations are available to meet specific needs.
- Standard Seals are Nitrile.
- Zinc bodies with Chromium-6 Free plated steel sleeves and nipples.
- Interchanges with Schrader Twist-Lock style couplings.

### Operation

- Engineered for speedy coupling and uncoupling. To lock – push in; to unlock – give the coupler sleeve a 1/8 turn. Designed to protect against accidental uncoupling.

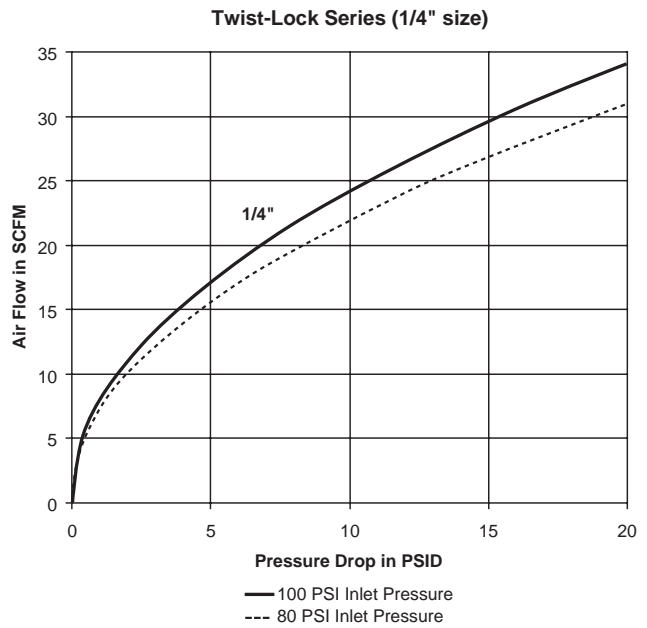
### How To Order



### Specification

Body Size (in.)	1/4	1/2
Rated Pressure (PSI)	300	300
Temperature Range (Nitrile seal)	-40° F to +250° F.	
Locking Device	CAM	
Vacuum Service	Not Recommended	

### Performance

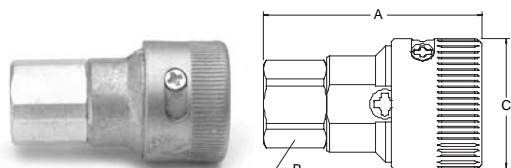


## Pneumatic Quick Couplings

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

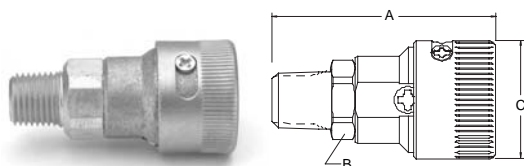
### Couplers

#### Female Thread



Body Size (in.)	NEW Part No. Steel	OLD Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	TL-251-4FP	8052-0319	1/4-18	2.01	0.75	1.12	0.21
1/2	TL-501-6FP	1095-0040	3/8-18	2.55	1.13	1.50	0.44
1/2	TL-501-8FP	1461-0070	1/2-14	2.78	1.13	1.50	0.44
1/2	TL-501-12FP	1462-0040	3/4-14	2.91	1.13	1.50	0.44

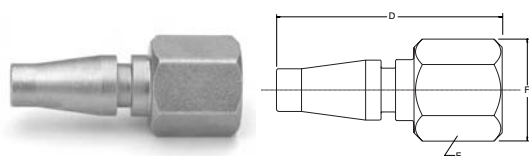
#### Male Thread



Body Size (in.)	NEW Part No. Steel	OLD Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	TL-251-4MP	3060-0109	1/4-18	2.23	0.75	1.12	0.21
1/4	TL-251-6MP	3061-0109	3/8-18	2.26	0.75	1.12	0.22
1/2	TL-501-6MP	3080-0020	3/8-18	2.71	1.13	1.50	0.39
1/2	TL-501-8MP	3081-0020	1/2-14	2.88	1.13	1.50	0.40

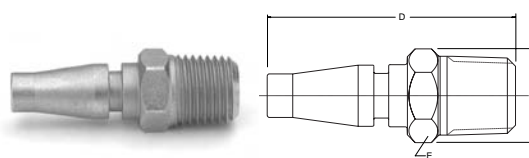
### Nipples

#### Female Thread



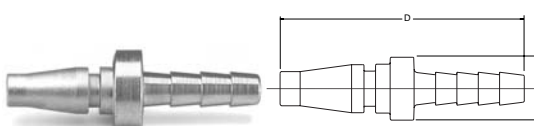
Body Size (in.)	NEW Part No. Steel	OLD Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				D	E	F	
1/4	TL-254-2FP	2047-0010	1/8-27	1.53	0.56	0.65	0.04
1/4	TL-254-4FP	8278-0050	1/4-18	1.81	0.69	.79	0.07
1/2	TL-504-4FP	1261-0020	1/4-18	1.68	0.69	0.80	0.14
1/2	TL-504-6FP	1096-0010	3/8-18	1.84	0.88	1.01	0.14

#### Male Thread



Body Size (in.)	NEW Part No. Steel	OLD Part No. Steel	Thread Size NPT	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				D	E	F	
1/4	TL-254-2MP	8051-0010	1/8-27	1.65	0.56	0.65	0.05
1/4	TL-254-4MP	8050-0110	1/4-18	1.75	0.56	0.65	0.05
1/2	TL-504-4MP	8624-0070	1/4-18	1.87	0.69	0.80	0.12
1/2	TL-504-6MP	1095-0020	3/8-18	1.93	0.69	0.80	0.12
1/2	TL-504-8MP	1461-0050	1/2-14	2.16	0.88	1.01	0.13
1/2	TL-504-12MP	1462-0100	3/4-14	2.16	1.06	1.22	0.14

#### Standard Hose Barb



Body Size (in.)	NEW Part No. Steel	OLD Part No. Steel	Thread Size NPT	Dimensions (in.)		Wt. (LB) P/Piece
				Overall Length	Largest Diameter	
				D	F	
1/4	TL-254-4HB	8787-0040	1/4	1.83	0.50	0.04
1/4	TL-254-6HB	8788-0030	3/8	1.83	0.50	0.06
1/2	TL-504-4HB	2123-0030	1/4	2.31	0.80	0.10
1/2	TL-504-6HB	1097-0010	3/8	2.28	0.69	0.11
1/2	TL-504-8HB	1098-0010	1/2	2.28	0.81	0.12