

Pneumatic Coupling Selection Guide - continued

Pneumatic Coupling Selection Guide										
Body Sizes (in.)	Connection style	Material* B S S S P				Locking Mechanism	Std Seal Material	Std Seal Temp Range	Rated Pres- sure	Coupler Series
Special Purpose - Natural and Propane Gas Couplings										
1/4 to 1-1/4	Manual Sleeve	■				Ball	Fluorocarbon	32° to +200° F	60 psi max	GF Series
Thermoplastic Couplings										
1/8 & 3/8	Push-to-Connect				■ **	Finger Lock	Nitrile or Fluo- rocarbon	0° to +180° F 0° to +250° F	Vacuum to 145 psi	Spectrum Series

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

** Spectrum Series material options:

- Acetal/316SS
- PVDF/316SS (subject to quote from the division)
- PVDF/PEEK™ (subject to quote from the division)



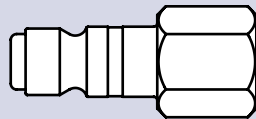
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Popular Coupling Designs

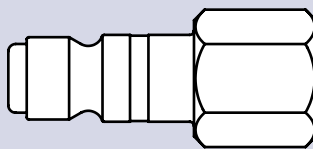
Parker's Quick Coupling Division manufactures quick couplings to interchange with popular designs that have become accepted standards in the industry today. The actual size nipple chart below can be used to help select Parker Quick Couplings that will interchange with specific nipple designs and sizes.

10 Series

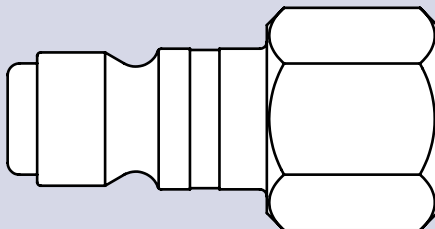
(Tru-Flate Automotive Interchange)



1/4" Body Size

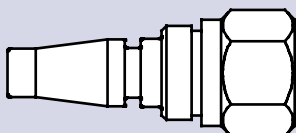


3/8" Body Size

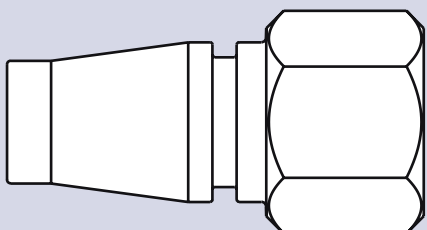


1/2" Body Size

Twist-Lock (Schrader Interchange)

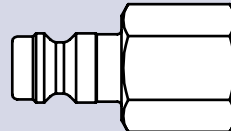


1/4" Body Size

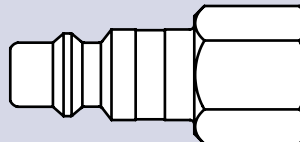


1/2" Body Size

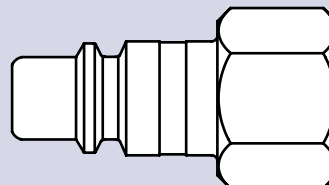
20 Series, 30 Series, Rectus 21, 23, 30 Series, E-z-mate (Industrial Interchange)



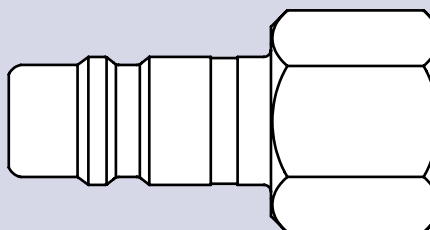
1/8" Body Size



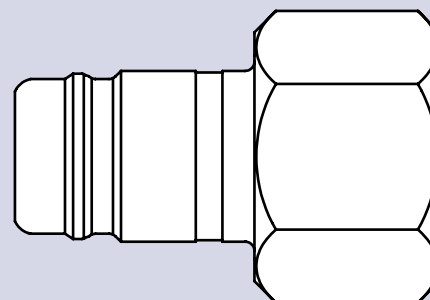
1/4" Body Size



3/8" Body Size

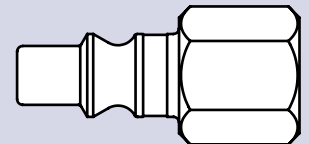


1/2" Body Size



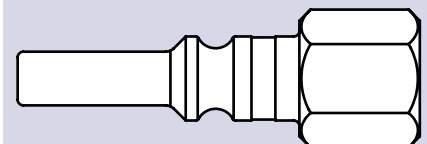
3/4" Body Size

50 Series (ARO-210 Interchange)



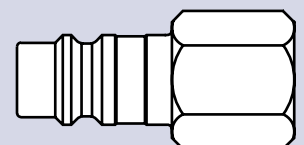
1/4" Body Size

70 Series (Lincoln Interchange)



1/4" Body Size

Rectus 25 Series (European Interchange)



1/4" Body Size



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Pneumatic Quick Couplings General Purpose

Industrial Interchange Nipples A-A-59439, MIL- C-4109F Design Non-valved, straight through



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

Features:

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

Applications include:

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

Optional Material:

(add code to part number)

Code	Description	Part Number Example
prefix B	Brass body	BH1E

Contact QCD for availability and additional options.

Nipples - Female Pipe Thread



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

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

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



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