

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

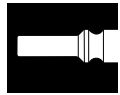
* Material Code: B = Brass, S = Steel, SS = Stainless Steel, P = Plastic

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.





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.

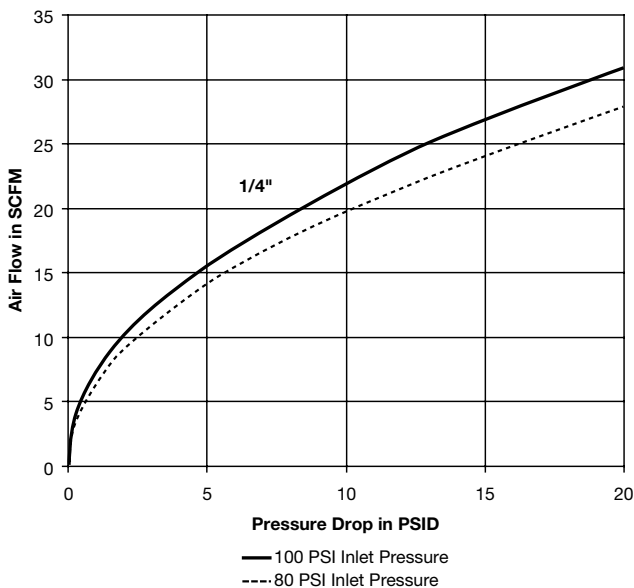
Features

- 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)



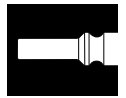
70 Series Specifications	
Body Size	1/4
Rated Pressure (psi)	300
Temperature Range (std seals)	-40° to +250° F
Locking Device	4 balls
Vacuum Service	Not Recommended

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



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.