



Interchangeable Couplers For Non-Standard Designs

As various manufacturers started to offer quick detachable couplers, most of them entered the market with their own design, which was different from their competitors. There was very little interchangeability from one brand to another. Efforts to correct this problem began about 50 years ago with the creation of a military specification (MIL-C-4109) for One Way Shut-Off couplers. This design is now the most commonly used and is referred to as the standard industrial interchange.

Two Way Shut-Off designs are also being standardized, based on ISO dimensions. However, there are still many different Two Way designs, most of which vary by application. Although there is no organizational standard governing the design of Straight-Thru couplers, a standard industrial design (Foster Series FST) has developed from usage. On the catalog pages following; Foster offers couplers that will interchange with many of these non-standard designs as shown below

LN Series	Interchange with Lincoln Long Nose	Page 26 - 27
SHD Series	Interchange with Schrader Standard & Heavy Duty	Page 28 - 29
FRL Series	Interchange with Hansen 2RL & 3RL	Page 30 - 31
O60 Series	Interchange with Hansen 600 Series	Page 32
A70 Series	Interchange with Hansen 700 Series	Page 33
210 Series	Interchange with ARO 210 Series	Page 34 - 35
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ISO A Series	Conforms with ISO 7241-1, Series A	Page 37
TF3 Series	Interchange with Tru-Flate Series	Page 38 - 39
FST Series	Straight-Thru Industrial Interchange	Page 40 - 41
FF Series	Flush Face	Page 42
FHK Series	Compatible with ISO 7241-1, Series B	Page 43 - 46
FH & FIH Series	Interchange with Snap-Tite H Series	Page 47 - 48
FWN Series	Wing Nut Series	Page 49
FJT Series	Interchange with DME, Jiffy-Tite, Jiffy-Matic, Parker Moldmate	Page 50 - 56

LN Series - 1/4"

(Interchange with Lincoln Long Nose)

Foster LN Series couplings are interchangeable with Lincoln's "Long Nose" series couplings and offer quick coupling of all air-operated equipment. They are only available in 1/4" body size, brass and steel construction.

- Locking mechanism prevents accidental coupler detachment
- Increased air flow due to a larger air passage
- Automatic air check valve shuts off air instantly when uncoupled, providing leak-proof seal.
- Corrosion resistant steel for long service life
- Free swivel helps prevent kinking or curling of air hoses

Specifications:

Type: One Way Shut-Off

Rated Pressure: 300 PSIG

Temperature Range (std seals): -40° to +250°F.

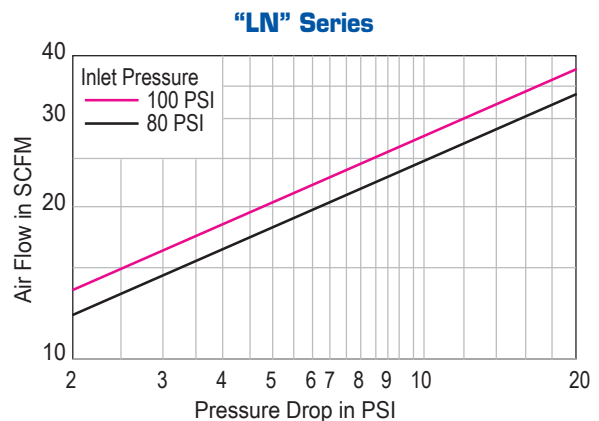
Locking Device: Balls or pins

Operation:


Manual - socket sleeve must be retracted to connect and disconnect


Automatic - Push to Connect

Performance:





Plugs - 1/4"

Female Thread		Part No.	FPT	Description
		LN13	1/8"	Steel
		LN11	1/4"	


Male Thread		Part No.	MPT	Description
		LN12	1/8"	Steel
		LN10	1/4"	


Automatic 1/4" Sockets


Female Thread		Part No.	FPT	Description
		LN2803	1/8"	Brass/Steel
		LN3003	1/4"	
		LN3203	3/8"	

Push-On Hose Stem		Part No.	Size I.D.	Description
		LN1513	1/4"	Brass/Steel
		LN1713	3/8"	


Hose clamps not required when used with "Push On" hose. See page 63.


Male Thread		Part No.	MPT	Description
		LN2903	1/8"	Brass/Steel
		LN3103	1/4"	
		LN3303	3/8"	


Reusable Hose Clamp		Part No.	Size (I.D. x O.D.)	Description
		LNSB3	1/4" x 1/2"	Brass/Steel
		LNSB5	1/4" x 9/16"	
		LNSB7	1/4" x 5/8"	
		LN5C5	15/16" x 9/16"	
		LN5C7	15/16" x 5/8"	
		LNSD11	3/8" x 5/8"	
		LNSD13	3/8" x 11/16"	
		LNSD7	3/8" x 3/4"	
		LNSD9	3/8" x 13/16"	

Hose Stem		Part No.	I.D.	Description
		LN3603	1/4"	Brass/Steel
		LN3653	5/16"	Requires Hose Clamp (See page 96 for typical hose clamps)
		LN3703	3/8"	

Manual 1/4" Sockets

Female Thread		Part No.	FPT	Description
		LN2803M	1/8"	Brass/Steel
		LN3003M	1/4"	
		LN3203M	3/8"	

Hose Stem		Part No.	I.D.	Description
		LN3603M	1/4"	Brass/Steel
		LN3703M	3/8"	Requires Hose Clamp (See page 96 for typical hose clamps)

Male Thread		Part No.	MPT	Description
		LN2903M	1/8"	Brass/Steel
		LN3103M	1/4"	
		LN3303M	3/8"	

See page 141 for full size templates
 See page 130 -131 for optional seal compounds