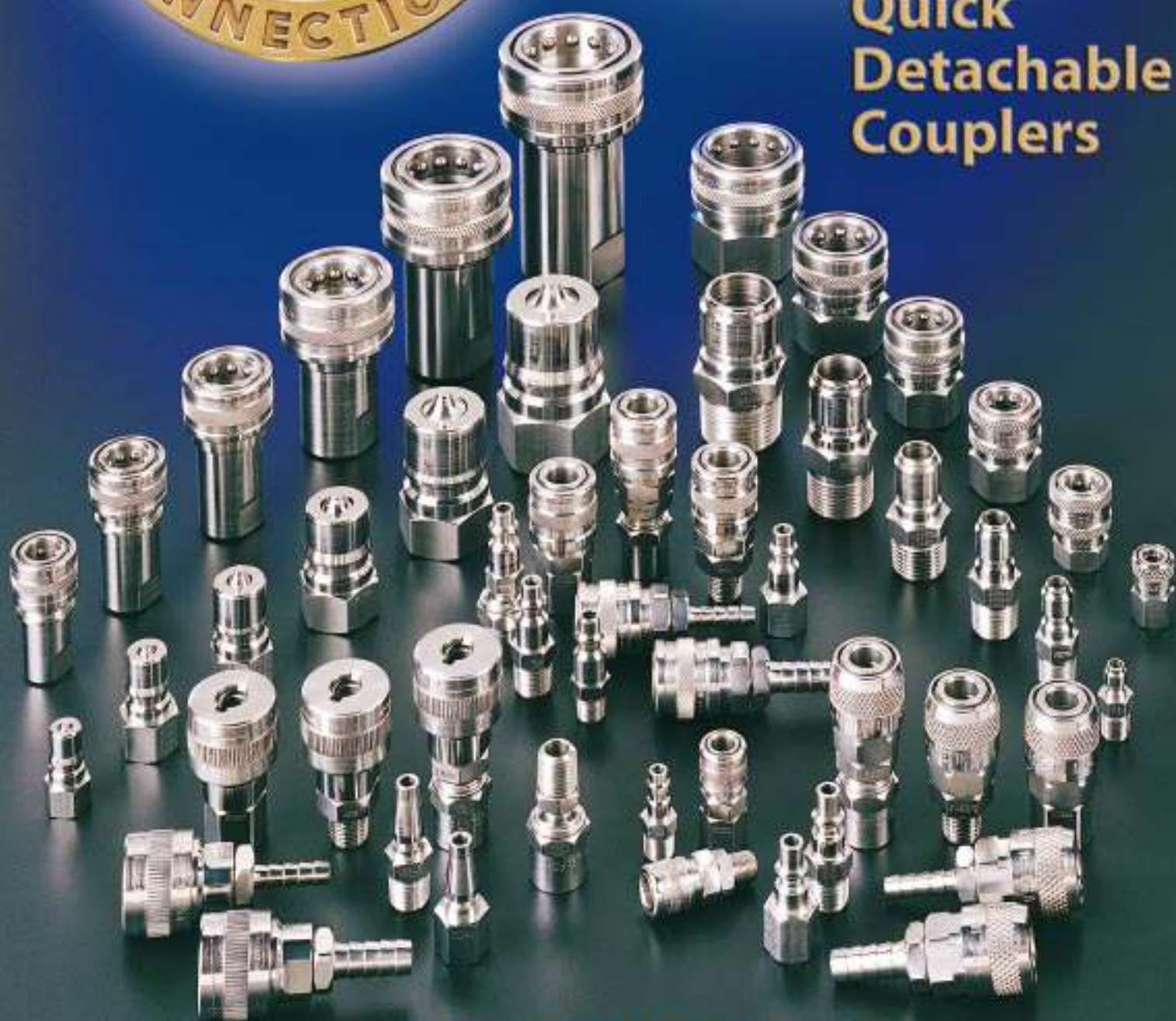




FOSTER[®]
MANUFACTURING COMPANY

**Quick
Detachable
Couplers**



www.couplers.com

How To Select

Proper coupler selection is important because of the variety of media for which they are used.

Four basic factors should be considered to assure proper selection:

Type – Operation – Flow – Media

Foster distributors are ready to assist in this selection; the following will supplement their assistance.

Type

All couplers consist of two basic components – a socket and a plug.

The type of coupler varies by the valving arrangements in these two components.

One Way Shut-Off



In a "One Way Shut-Off," only the socket has valving to shut off the flow when disconnected; it is, therefore, installed on the pressure side of the line. The plug has no valving and exhausts the downstream line at disconnect.

Two Way Shut-Off



The "Two Way Shut-Off" provides valving in both the socket and the plug, thereby shutting off flow at both of the disconnected ends. Originally developed for hydraulic lines, they are suitable for many other media because of the variety of metals and seal compounds offered.

Straight-Thru



"Straight-Thru" couplers, as the name implies, do not have valving in either the socket or the plug. Therefore, both ends of the line are exhausted at disconnect.

Operation

Operation refers to the action required to connect and disconnect a coupler.

Operation is a function of sockets only and does not vary for plugs.

Manual



Manual sockets require manual retraction of the sleeve to both connect and disconnect the plug. The "BL Series" (ball lock) is an optional feature available on manual sockets. After connection, the sleeve is rotated locking the coupler against accidental disconnect.

Automatic



Automatic sockets accept the plug by simple insertion into the socket and do not require retraction of the sleeve to connect. The "SL Series" (safety lock) is an optional feature on automatic sockets to prevent accidental disconnect. It is functionally the same as the "BL Series" on manual sockets.

Safety Coupler



Safety sockets are a variation of automatic operation. The socket accepts the plug by insertion. The sleeve is moved straight forward to lock and turn on the air. The sleeve is moved back by rotating first to the left and then to the right. This shuts off the supply line, exhausts the downstream line, and then releases the plug.

Quick Detachable Couplers



Flow

The most important factor in properly sizing couplers is flow. Flow data is given throughout the catalog for industrial interchange design couplers, as well as many of Foster's interchanges for competitors' non-standard designs. Where flow information is not shown, it is the same as the originating competitors' non-standard design. Most One Way Shut-Off non-standard couplers have the same flow as the same basic size industrial interchange design. All flows shown are for FPT couplers.

Media

The media flowing through the coupler will usually determine the type. Compressed air, many other gasses, and some liquids can be handled by One Way Shut-Off couplers. Hydraulic fluids as well as many other liquids and some gasses require Two Way Shut-Off. Straight-Thru couplers are suitable where there is no pressure in the line at connect or disconnect and loss of media at disconnect does not matter.

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One Way Shut-Off Type

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1/8" One Way Shut-Off 2 Series

**See Specifications
& Performance
Data on Page 8.**

PLUGS

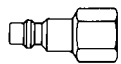


CAT. NO.

FEMALE THREAD

1/8 FPT
1/4 FPT

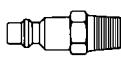
23-2
27-2



MALE THREAD

1/8 MPT
1/4 MPT

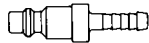
22-2 ■ ●
24-2



HOSE STEM (Require Hose Clamps)

1/8 I.D.
3/16 I.D.
1/4 I.D.

02-2
03-2
04-2

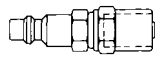


SELF STORING AIR HOSE

1/4 I.D.

REUSABLE HOSE CLAMP

ID OD
3/16 x 3/8
3/16 x 7/16



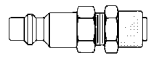
1/4 x 1/2
1/4 x 9/16
1/4 x 5/8
1/4 x 11/16

PB3-2
PB5-2
PB7-2
PB9-2

PLASTIC & METAL TUBING

.170 x 1/4 Plastic
1/4 Soft Metal

PJ8-2
PJ8-2M



SOCKETS



MANUAL

CAT. NO.

2302 ●
2702



2202 ●
2402



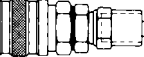
2022
2032
2042



1502



SAA-2
SAO-2



SJ8-2
SJ8-2M



FEATURES

- High flow capability for small coupler
- Only 5/8" diameter
- Socket weighs 1 oz.
- Precision leak-proof seal
- Positive locking mechanism

SERIES 2
PLUG
ACTUAL SIZE

SERIES 2
SOCKET
ACTUAL SIZE

PANEL MOUNT (Max. Panel Thickness 3/4")

.170 x 1/4 Plastic
1/4 Soft Metal

SJ8P-2
SJ8P-2M



VALVE CORE (Brass)

.170 x 1/4 Plastic
1/4 Soft Metal

PJ8-2V
PJ8-2VM



- Available In Brass – Suffix B
- Available In 303 Stainless – Suffix S/S

1/4" One Way Shut-Off

3 Series



INDUSTRIAL INTERCHANGE

See Specifications
& Performance
Data on Page 8.

PLUGS



FEMALE THREAD

CAT. NO.	
13-3 ■	1/8 FPT
11-3 ■ ●	1/4 FPT
15-3	3/8 FPT

MALE THREAD

CAT. NO.	
12-3 ■ ●	1/8 MPT
10-3 ■ ●	1/4 MPT
14-3 ■	3/8 MPT

HOSE STEM (Require Hose Clamps)

CAT. NO.	
16-3 ■	1/4 I.D.
165-3	5/16 I.D.
17-3 ■	3/8 I.D.

PUSH-ON HOSE STEM

CAT. NO.	
51-3	1/4 I.D.
71-3	3/8 I.D.

REUSABLE HOSE CLAMP

ID	OD	
3/16 x 3/8		
3/16 x 7/16		
1/4 x 1/2		PB3-3 ■
1/4 x 9/16		PB5-3 ■
1/4 x 5/8		PB7-3 ■ ●
1/4 x 11/16		PB9-3 ■
5/16 x 9/16		PC5-3
5/16 x 5/8		PC7-3
3/8 x 5/8		PD7-3
3/8 x 11/16		PD9-3
3/8 x 3/4		PD11-3
3/8 x 13/16		PD13-3

SOCKETS

NEW!



MANUAL
SLEEVE GUARD



MANUAL
INDUSTRIAL



AUTOMATIC
COMPLIES WITH A-A-59439



SAFETY

CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
SG2803	2803 ●	FM2803	
SG3003	3003 ●	FM3003	SV3003
SG3203	3203 ●	FM3203	SV3203
SG2903	2903 ●	FM2903	
SG3103	3103 ●	FM3103	SV3103
SG3303	3303 ●	FM3303	SV3303
SG3603	3603 ●	FM3603	SV3603
SG3703	3653	FM3653	
	3703 ●	FM3703	SV3703
SG1513	1513	FM1513	
SG1713	1713	FM1713	
	SAA-3	FMSAA-3	
	SAO-3	FMSAO-3	
	SB3-3	FMSB3-3	
	SB5-3	FMSB5-3	
	SB7-3 ●	FMSB7-3	
	SB9-3	FMSB9-3	
	SC5-3	FMSC5-3	
	SC7-3	FMSC7-3	
	SD7-3	FMSD7-3	
	SD9-3	FMSD9-3	
	SD11-3	FMSD11-3	
	SD13-3	FMSD13-3	

SERIES 3
PLUG
ACTUAL SIZE

SERIES 3
SOCKET
ACTUAL SIZE

BALL CHECK

1/4 MPT	10-3G ■ ●
3/8 MPT	14-3G ■



Ball check plugs eliminate hose whip at disconnect by checking the rapid flow of downstream exhaust air.

VALVE CORE

1/4 MPT	10-3D ■



Sockets with modified valves are recommended for use with valve core plugs. Suffix-D to socket Cat. No.

SWIVEL (Free Swivel Under Pressure)

1/8 MPT	12S-3
1/4 MPT	10S-3
3/8 MPT	14S-3



NEW!

- Available In Brass – Suffix B
- Available In 303 Stainless – Suffix S/S

FOSTER
MANUFACTURING COMPANY



3/8" One Way Shut-Off

4 Series

INDUSTRIAL INTERCHANGE

See Specifications & Performance Data on Page 8.

PLUGS



FEMALE THREAD

CAT. NO.	
41-4	
43-4	
45-4	

MALE THREAD

CAT. NO.	
38-4	
40-4 ■	
42-4 ■	
44-4	

HOSE STEM (Require Hose Clamps)

CAT. NO.	
46-4	
47-4	
48-4 ■	
49-4	

PUSH-ON HOSE STEM

CAT. NO.	
51-4	
71-4	
81-4	

SELF-STORING AIR HOSE

CAT. NO.	
7-4	

REUSABLE HOSE CLAMP

ID	OD	CAT. NO.	
1/4 x 1/2		PB3-4	
1/4 x 9/16		PB5-4	
1/4 x 5/8		PB7-4	
1/4 x 11/16		PB9-4	
3/8 x 5/8		PD7-4	
3/8 x 11/16		PD9-4	
3/8 x 3/4		PD11-4	
3/8 x 13/16		PD13-4	

SOCKETS



MANUAL

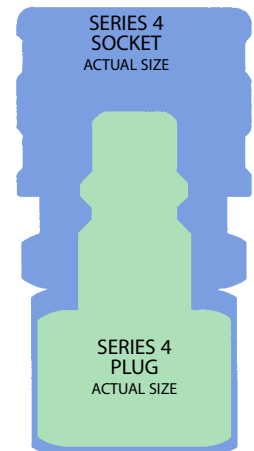


AUTOMATIC



SAFETY

CAT. NO.		CAT. NO.		CAT. NO.	
4004		FM4004		SV4004	
4204		FM4204		SV4204	
4404		FM4404		SV4404	
4104		FM4104		SV4104	
4304		FM4304		SV4304	
4504		FM4504		SV4504	
4604		FM4604		SV4804	
4704		FM4704		SV4904	
4804		FM4804			
4904		FM4904			
1714		FM1714			
1814		FM1814			
1704		FM1704			
SB3-4		FMSB3-4			
SB5-4		FMSB5-4			
SB7-4		FMSB7-4			
SB9-4		FMSB9-4			
SD7-4		FMSD7-4			
SD9-4		FMSD9-4			
SD11-4		FMSD11-4			
SD13-4		FMSD13-4			



SWIVEL (Free Swivel Under Pressure)

NEW	1/4 MPT	40S-4	
	3/8 MPT	42S-4	

■ Available In Brass – Suffix B

PROTECTIVE COVER FOR SAFETY SERIES COUPLERS

- Superior cushioning effect of Plastisol cover provides better protection for auto, motorcycle, marine, & appliance finishes.
- Flexible protective cover allows normal coupling operation while reducing the entry of contaminants in dirty environments.
- Standard SV couplers with protective covers are less expensive than competitive hard plastic models, plus they eliminate the need to stock both standard and plastic bodied couplers.

MODEL No.	APPLICATION	COLOR
SV4-PC	"SV4" Sockets	Blue
SV5-PC	"SV5" Sockets	Yellow



1/2" One Way Shut-Off

5 Series



INDUSTRIAL INTERCHANGE

See Specifications & Performance Data on Page 8.

PLUGS



SOCKETS



MANUAL



AUTOMATIC
COMPLIES WITH A-A-59439



SAFETY

FEMALE THREAD

CAT. NO.

1/4 FPT	53-5	
3/8 FPT	55-5	
1/2 FPT	57-5	
3/4 FPT		

MALE THREAD

1/4 MPT	50-5	
3/8 MPT	52-5	
1/2 MPT	54-5 ★ ■	
3/4 MPT	56-5	

HOSE STEM (Require Hose Clamps)

1/4 I.D.	59-5	
3/8 I.D.	60-5 ■	
1/2 I.D.	61-5	
3/4 I.D.		

PUSH-ON HOSE STEM

3/8 I.D.	71-5	
1/2 I.D.	81-5	

SELF-STORING AIR HOSE

1/2 I.D.	8-5	
----------	-----	--

REUSABLE HOSE CLAMP

ID	OD	
1/4 x 1/2		PB3-5
1/4 x 9/16		PB5-5
1/4 x 5/8		PB7-5
1/4 x 11/16		PB9-5
3/8 x 5/8		PD7-5
3/8 x 11/16		PD9-5
3/8 x 3/4		PD11-5
3/8 x 13/16		PD13-5
1/2 x 13/16		PP13-5
1/2 x 7/8		PP15-5
1/2 x 15/16		PP17-5
1/2 x 1		PP19-5

CAT. NO.

CAT. NO.

CAT. NO.

4015	FM4015	SV5005
5005	FM5005	SV5205 ★
5205	FM5205	SV5405
5405	FM5405	

4905	FM4905	SV5105
5105	FM5105	SV5305 ★
5305	FM5305	SV5505 ★
5505	FM5505	

5605	FM5605	SV5705
5705	FM5705	SV5805
5805	FM5805	SV5905
5905	FM5905	

1815	FM1815	
------	--------	--

1805	FM1805	
------	--------	--

SD7-5	FM5605	
SD9-5	FM5705	
SD11-5	FM5805	
SD13-5	FM5905	
SP13-5	FM5605	
SP15-5	FM5705	
SP17-5	FM5805	
SP19-5	FM5905	



BALL CHECK

1/2 MPT	54-5G ■
1/2 I.D. Hose	60-5G

SWIVEL (Free Swivel Under Pressure)

1/2 MPT	54S-5	
---------	-------	--

CO-AXIAL COUPLERS



Safety sockets and plugs marked ★ above are available with co-axial tube for use on single point injection lubrication systems. Suffix CA to catalog No.

★ Available In Co-Axial, Suffix CA to Cat. No.

■ Available In Brass – Suffix B

FOSTER
MANUFACTURING COMPANY



3/4" One Way Shut-Off

6 Series

**INDUSTRIAL
INTERCHANGE**

*See Specifications
& Performance
Data on Page 8.*

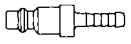
FEMALE THREAD

1/2 FPT	65-6	
3/4 FPT	67-6	
1" FPT	69-6	

MALE THREAD

1/2 MPT	64-6 ★	
3/4 MPT	66-6 ★	
1" MPT	68-6	

HOSE STEM (Require Hose Clamps)

1/2 I.D.	70-6	
3/4 I.D.	71-6	
1" I.D.	72-6	

PLUGS

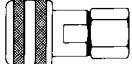
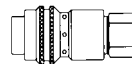
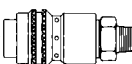
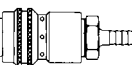


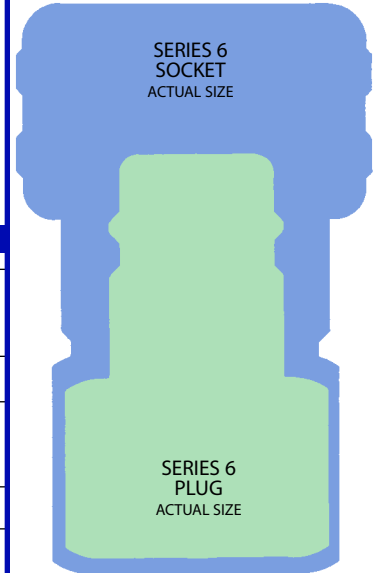
SOCKETS



AUTOMATIC

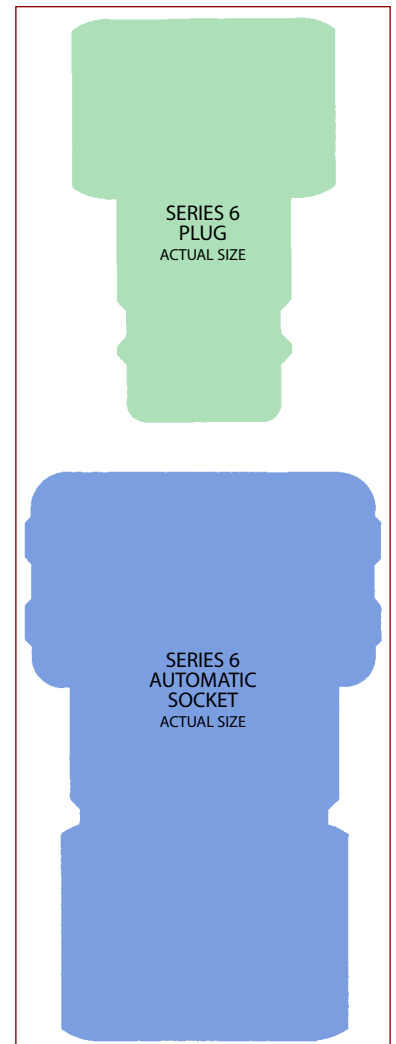
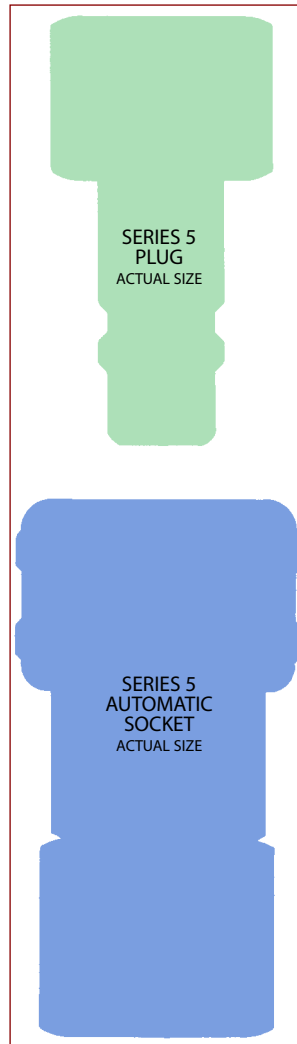
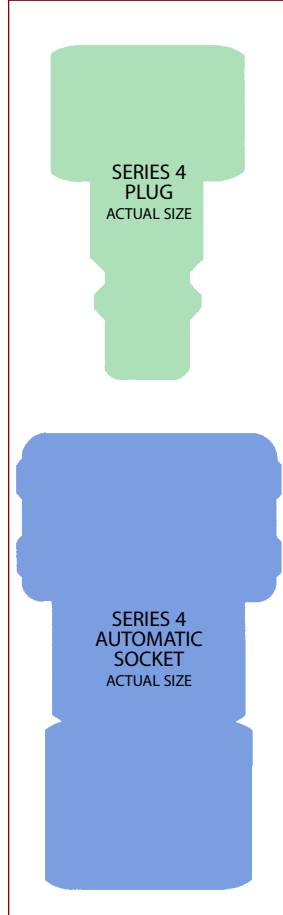
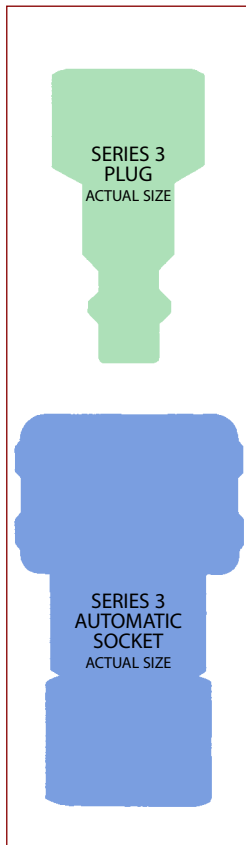
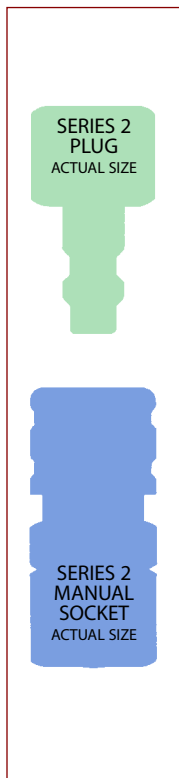
SAFETY

CAT. NO.		CAT. NO.	
FM6206		SV6406 ★	
FM6406		SV6606	
FM6606			
FM6306		SV6506 ★	
FM6506		SV6706	
FM6706			
FM6806		SV6906	
FM6906			
FM7006			



★ Available co-axial (see page 6) – Suffix CA to Cat. No.

Full Size Layouts – Series 2, 3, 4, 5, & 6



Specifications for 2,3,4,5 & 6 Series



TYPE **ONE WAY SHUT-OFF** – Socket is valved, shutting off supply line at disconnect. Plug is unvalved, exhausting downstream line at disconnect. Install socket on pressure side of line.

INTERCHANGEABILITY Standard industrial interchange design, most widely used in industry. 3 and 5 Series Automatic water service comply with **A-A-59439** (formerly MIL-C-4109F).

OPERATION Manual, Automatic & Safety

WORKING PRESSURE 300 PSIG; Vacuum to 26"Hg (connected)

PERFORMANCE DATA **FLOW**

FLOW	AIR FLOW – CFM				WATER FLOW	
	100 PSIG		80 PSIG		GPM – 60 PSIG	
	PRESSURE DROP				PRESSURE DROP	
	10 PSIG	5 PSIG	10 PSIG	5 PSIG	10 PSIG	5 PSIG
2 Series	16	12	14	11	1.8	1.2
3 Series	36	26	33	24	3.7	2.5
4 Series	68	50	62	45	6.8	5
5 Series	118	90	107	82	11	8
6 Series	190	135	172	122	22	16

FEATURES **MANUAL** – Lowest cost, general purpose coupler • Positive locking mechanism • 65% more ball retention • Precision leakproof seal • Heavy steel sleeve.

AUTOMATIC – Long wearing pin type locking mechanism with greater plug contact • One piece sleeve with rear crimp • Precision leakproof seal • One hand operation.

SAFETY – 100% safety • Connect and disconnect at “O” pressure • Plug is securely locked before air is turned on • Downstream line is exhausted before plug is released, completely eliminating hose whip • Tested to 100,000 operations with no leakage • Special lubrication eliminates dry breakaway • Can be used as 3-Way on-off valve without disconnecting.

OPTIONS **BL** – Locks manual socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve.

TO ORDER, PREFIX BL TO SOCKET NUMBER.

SL – Locks automatic socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. Available FM 3,4,5 and 6 Series. **TO ORDER, CHANGE FM PREFIX TO SL.**

BALL CHECK PLUG – Eliminates hose whip at disconnect by checking the rapid flow of downstream exhaust air.

SWIVEL PLUGS – Free swivel under pressure. Eliminates hose twist on end drop applications such as blow guns, air tools, etc.



DIMENSIONAL DATA Full size layouts can be found on page 7.

APPLICATION & ORDERING INFORMATION

SERVICE	CONSTRUCTION	SEAL COMPOUND	TEMPERATURE	TO ORDER
AIR	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
WATER	Brass & S/S	Buna-N	+32° to +100°F	Suffix W
STEAM	Brass & S/S	Ethylene Propylene	-40° to +325°F	Suffix S
HEAT	Brass & Steel	Viton	-40° to +400°F	Suffix H
GREASE & OIL	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
VACUUM	Brass & Steel	Buna-N	-40° to +225°F	Cat. No.
LESS VALVE	Brass & Steel	Buna-N	-40° to +225°F	Suffix LV

Note: Temperatures shown are seal compatibility. Consult factory for operational characteristics. Sockets other than standard are color coded: **Water (Blue)**, **Steam (Black)**, and **Heat (Red)**



LN Series

Interchange with
Lincoln Long Nose

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.

TYPE

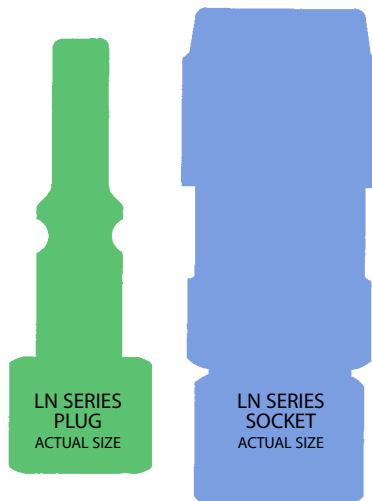
One Way Shut-Off

OPERATION

Manual or automatic, as indicated in socket columns.

WORKING PRESSURE

300 PSIG



PLUGS



**LN3
SERIES**
1/4"

SOCKETS



AUTOMATIC

FEMALE THREAD

CAT. NO.	LINCOLN NO.
1/8 FPT	
1/4 FPT	LN11
3/8 FPT	11661

MALE THREAD

CAT. NO.	LINCOLN NO.
1/8 MPT	LN12
1/4 MPT	11660
3/8 MPT	LN10
	11659

HOSE STEM (Require Hose Clamps)

CAT. NO.	LINCOLN NO.
1/4 I.D.	
5/16 I.D.	
3/8 I.D.	

PUSH-ON HOSE STEM

CAT. NO.	LINCOLN NO.
1/4 I.D.	
3/8 I.D.	

REUSABLE HOSE CLAMP

ID	OD	CAT. NO.	LINCOLN NO.
3/16	x 3/8		
3/16	x 7/16		
1/4	x 1/2		
1/4	x 9/16		
1/4	x 5/8		
1/4	x 11/16		
5/16	x 9/16		
5/16	x 5/8		
3/8	x 5/8		
3/8	x 11/16		
3/8	x 3/4		
3/8	x 13/16		

CAT. NO. LINCOLN NO.

LN2803	
LN3003	815
LN3203	
LN2903	
LN3103	
LN3303	
LN3603	
LN3653	
LN3703	
LN1513	
LN1713	
LNSAA	
LNSAO	
LNSB3	
LNSB5	
LNSB7	
LNSB9	
LN5C5	
LN5C7	
LN5D7	
LN5D9	
LN5D11	
LN5D13	

SHD Series

Interchange with Schrader
Standard & Heavy Duty



**SHD3
SERIES**
1/4"



AUTOMATIC



**SHD5
SERIES**
1/2"



AUTOMATIC

FEMALE THREAD

CAT. NO.	SCHRADER NO.
SHD13	2047
SHD11 ●	8278-11

CAT. NO.	SCHRADER NO.
SHD2803 ●	
SHD3003 ●	8052C-12
SHD3203 ●	

CAT. NO.	SCHRADER NO.
SHD53	1096-11

CAT. NO.	SCHRADER NO.
SHD4015	1054-12
SHD5005	1095-12
SHD5205	1461-12
SHD5405	1462-12

MALE THREAD

CAT. NO.	SCHRADER NO.
SHD12	8051-11
SHD10 ●	8050-11

CAT. NO.	SCHRADER NO.
SHD2903 ●	
SHD3103 ●	3060C-12
SHD3303 ●	3061C-12

CAT. NO.	SCHRADER NO.
SHD50	8624-11
SHD52	1095-11
SHD54	1461-11

CAT. NO.	SCHRADER NO.
SHD4905	
SHD5105	3080-12
SHD5305	3081-12
SHD5505	

HOSE STEM (Require Hose Clamps)

CAT. NO.	SCHRADER NO.
SHD16	8787-11
SHD17	8788-11

CAT. NO.	SCHRADER NO.
SHD3603 ●	
SHD3653	
SHD3703 ●	

CAT. NO.	SCHRADER NO.
SHD59	1097-11
SHD60	1098-11

CAT. NO.	SCHRADER NO.
SHD5605	
SHD5705	
SHD5805	
SHD5905	

PUSH-ON HOSE STEM

CAT. NO.	SCHRADER NO.
SHD51	

CAT. NO.	SCHRADER NO.
SHD1513	
SHD1713	

CAT. NO.	SCHRADER NO.
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CAT. NO.	SCHRADER NO.
SHD1815	

SELF-STORING AIR HOSE

CAT. NO.	SCHRADER NO.

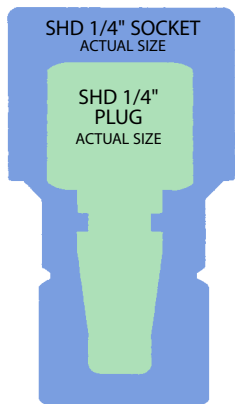
CAT. NO.	SCHRADER NO.
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CAT. NO.	SCHRADER NO.
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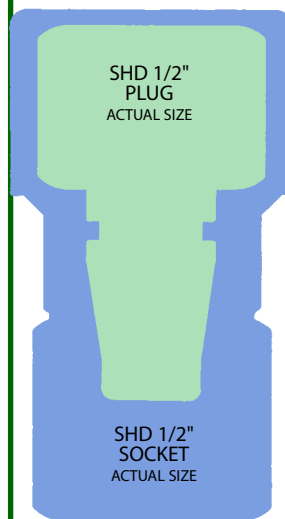
CAT. NO.	SCHRADER NO.
SHD1805	

REUSABLE HOSE CLAMP

ID	OD
3/16 x 3/8	
3/16 x 7/16	
1/4 x 1/2	
1/4 x 9/16	
1/4 x 5/8	
1/4 x 11/16	
5/16 x 9/16	
5/16 x 5/8	
3/8 x 5/8	
3/8 x 11/16	
3/8 x 3/4	
3/8 x 13/16	
1/2 x 13/16	
1/2 x 7/8	
1/2 x 15/16	
1/2 x 1	



CAT. NO.	SCHRADER NO.
SHDSAA3	
SHDSAO3	
SHDSB33	
SHDSB53	
SHDSB73 ●	
SHDSB93	
SHDSC53	
SHDSC73	
SHDSD73	
SHDSD93	
SHDSD113	
SHDSD133	



CAT. NO.	SCHRADER NO.
SHDSD75	
SHDSD95	
SHDSD115	
SHDSD135	
SHDSP135	
SHDSP155	
SHDSP175	
SHDSP195	



SOCKET DUST PLUG - Cat. No. SHD-DP
(For 1/4" Sockets)

NEW!

● Available in 303 Stainless- Suffix S/S

FOSTER
MANUFACTURING COMPANY



FRL Series

Interchange with Hansen
2RL & 3RL Series

PLUGS



**2FRL
SERIES**
3/8"

SOCKETS



AUTOMATIC

PLUGS



**3FRL
SERIES**
1/2"

SOCKETS



AUTOMATIC

FEMALE THREAD

CAT. NO.	HANSEN NO.
2L41	2-L16
2L43	2-L21
2L45	2-L26

MALE THREAD

CAT. NO.	HANSEN NO.
2L38	2-L10
2L40	2-L15
2L42	2-L20
2L44	2-L25

HOSE STEM (Require Hose Clamps)

CAT. NO.	HANSEN NO.
2L46	2-L17
2L48	2-L22
2L49	2-L27

PUSH-ON HOSE STEM

CAT. NO.	HANSEN NO.
2R1714	
2R1814	

SELF-STORING AIR HOSE

CAT. NO.	HANSEN NO.
2R1704	

REUSABLE HOSE CLAMP

ID	OD	CAT. NO.	HANSEN NO.
1/4 X 1/2		2LPB3	2-L18B3
1/4 X 9/16		2LPB5	2-L18B5
1/4 X 5/8		2LPB7	2-L18B7
1/4 X 11/16		2LPB9	2-L18B9
3/8 X 5/8		2LPD7	2-L23D7
3/8 X 11/16		2LPD9	2-L23D9
3/8 X 3/4		2LPD11	2-L23D11
3/8 X 13/16		2LPD13	2-L23D13
1/2 X 13/16		2LPP13	2-L28P13
1/2 X 7/8		2LPP15	2-L28P15
1/2 X 15/16		2LPP17	2-L28P17
1/2 X 1		2LPP19	2-L28P19

FEMALE THREAD

CAT. NO.	HANSEN NO.
2R4004	2-R16
2R4204	2-R21
2R4404	2-R26

CAT. NO.	HANSEN NO.
2R4104	2-R15
2R4304	2-R20
2R4504	2-R25

CAT. NO.	HANSEN NO.
2R4604	2-R17
2R4704	2-R195
2R4804	2-R22
2R4904	2-R27

CAT. NO.	HANSEN NO.
2R1714	
2R1814	

CAT. NO.	HANSEN NO.
2R1704	

CAT. NO.	HANSEN NO.
2RSB3	2-R18B3
2RSB5	2-R18B5
2RSB7	2-R18B7
2RSB9	2-R18B9
2RSD7	2-R23D7
2RSD9	2-R23D9
2RSD11	2-R23D11
2RSD13	2-R23D13

FEMALE THREAD

CAT. NO.	HANSEN NO.
3L51	3-L16
3L55	3-L26

CAT. NO.	HANSEN NO.
3L50	3-L15
3L52	3-L20
3L54	3-L25
3L56	3-L30

CAT. NO.	HANSEN NO.
3L58	3-L17
3L59	3-L22
3L60	3-L27
3L61	3-L32

CAT. NO.	HANSEN NO.

CAT. NO.	HANSEN NO.

CAT. NO.	HANSEN NO.
3RSD7	3-R23D7
3RSD9	3-R23D9
3RSD11	3-R23D11
3RSD13	3-R23D13
3RSP13	3-R28P13
3RSP15	3-R28P15
3RSP17	3-R28P17
3RSP19	3-R28P19

BALL CHECK Ball check plugs eliminate hose whip at disconnect by checking the rapid flow of downstream exhaust air.

CAT. NO.	HANSEN NO.
3L60G	3-L27G
3L61G	3-L32G

CAT. NO.	HANSEN NO.
3L60G	3-L27G
3L61G	3-L32G



FRL 3/8"
PLUG
ACTUAL SIZE

FRL 1/2"
PLUG
ACTUAL SIZE

O60 & A70 Series

Interchange with Hansen
600 & 700 Series



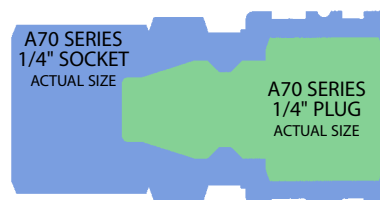
	PLUGS (BRASS)		SOCKETS (BRASS)		PLUGS (BRASS)		SOCKETS (BRASS)	
								
	O60 SERIES 1/4"		MANUAL		A70 SERIES 1/4"		MANUAL	
	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.	CAT. NO.	HANSEN NO.
FEMALE THREAD								
1/8 FPT	O-11	02	O-2803	GR-600	A-11	A2	A-2803	RD-700
1/4 FPT			O-3003	GR-602			A-3003	RD-702
3/8 FPT			O-3203	GR-604			A-3203	RD-704
MALE THREAD								
1/8 MPT	O-12	01	O-2903	GR-601	A-12	A1	A-2903	RD-701
1/4 MPT	O-10	03	O-3103	GR-603	A-10	A3P	A-3103	RD-703
3/8 MPT			O-3303	GR-605			A-3303	RD-705
HOSE STEM (Require Hose Clamps)								
1/4 I.D.	O-16	07	O-3603	GR-606	A-16	A7	A-3603	RD-706
5/16 I.D.	O-17	09	O-3653	GR-607	A-17	A9	A-3653	RD-707
3/8 I.D.			O-3703	GR-608			A-3703	RD-708
PUSH-ON HOSE STEM								
1/4 I.D.			O-1513	GR-606P			A-1513	RD-706P
3/8 I.D.			O-1713	GR-608P			A-1713	RD-708P
REUSABLE HOSE CLAMP								
ID OD			O-SAA				A-SAA	
3/16 X 3/8			O-SAO	GR-6-OAO			A-SAO	RD-7-OAO
3/16 X 7/16			O-SB3	GR-6-OB3			A-SB3	RD-7-OB3
1/4 X 1/2			O-SB5	GR-6-OB5			A-SB5	RD-7-OB5
1/4 X 9/16			O-SB7	GR-6-OB7			A-SB7	RD-7-OB7
1/4 X 5/8			O-SB9	GR-6-OB9			A-SB9	RD-7-OB9
1/4 X 11/16			O-SC5	GR-6-OC5			A-SC5	RD-7-OC5
5/16 X 9/16			O-SC7	GR-6-OC7			A-SC7	RD-7-OC7
5/16 X 5/8			O-SD7	GR-6-OD7			A-SD7	RD-7-OD7
3/8 X 5/8			O-SD9	GR-6-OD9			A-SD9	RD-7-OD9
3/8 X 11/16			O-SD11	GR-6-OD11			A-SD11	RD-7-OD11
3/8 X 3/4			O-SD13	GR-6-OD13			A-SD13	RD-7-OD13
3/8 X 13/16								

COLOR CODED SOCKETS

■ **O60 – GREEN SLEEVE BAND • OXYGEN SERVICE**

■ **A70 – RED SLEEVE BAND • ACETYLENE SERVICE**

When used for oxygen/acetylene service, order with BL option (see page 8) to comply with OSHA Std. 1915.55(f)(5).





210 & 310 Series

Interchange with
ARO 210 & 310

PLUGS



**210
SERIES**

1/4"

SOCKETS



AUTOMATIC

PLUGS



**310
SERIES**

3/8"

SOCKETS



AUTOMATIC

FEMALE THREAD

CAT. NO.	ARO NO.
1/8 FPT	210-11 ● 2609
1/4 FPT	
3/8 FPT	
1/2 FPT	

MALE THREAD

CAT. NO.	ARO NO.
1/8 MPT	210-12 2607
1/4 MPT	210-10 ● 2608
3/8 MPT	
1/2 MPT	

HOSE STEM (Require Hose Clamps)

CAT. NO.	ARO NO.
1/4 I.D.	210-16 3946
5/16 I.D.	210-165
3/8 I.D.	210-17 22238
1/2 I.D.	

PUSH-ON HOSE STEM

CAT. NO.	ARO NO.
1/4 I.D.	210-51 6944
3/8 I.D.	
1/2 I.D.	

SELF-STORING AIR HOSE

CAT. NO.	ARO NO.
3/8 I.D.	

REUSABLE HOSE CLAMP

ID	OD
3/16 X	3/8
3/16 X	7/16
1/4 X	1/2
1/4 X	9/16
1/4 X	5/8
1/4 X	11/16
5/16 X	9/16
5/16 X	5/8
3/8 X	5/8
3/8 X	11/16
3/8 X	3/4
3/8 X	13/16

FEMALE THREAD

CAT. NO.	ARO NO.
210-2803 ●	210-201
210-3003 ●	210
210-3203 ●	210-203

CAT. NO.	ARO NO.
210-2903 ●	210-211
210-3103 ●	210-212
210-3303 ●	210-213

CAT. NO.	ARO NO.
210-3603 ●	210-022
210-3653 ●	210-223
210-3703 ●	210-215

CAT. NO.	ARO NO.
210-1513	210-227
210-1713	210-028

210-SAA
210-SAO

210-SB3
210-SB5
210-SB7 ●
210-SB9

210-SC5
210-SC7

210-SD7
210-SD9
210-SD11
210-SD13

FEMALE THREAD

CAT. NO.	ARO NO.
310-43	3806

CAT. NO.	ARO NO.
310-42	3804

CAT. NO.	ARO NO.
310-48	3807
310-49	3871

CAT. NO.	ARO NO.

CAT. NO.	ARO NO.

CAT. NO.	ARO NO.

310-SB3
310-SB5
310-SB7
310-SB9

310-SD7
310-SD9
310-SD11
310-SD13

FEMALE THREAD

CAT. NO.	ARO NO.
310-4004	310-200
310-4204	310
310-4404	

CAT. NO.	ARO NO.
310-4104	310-212
310-4304	310-313
310-4504	

CAT. NO.	ARO NO.
310-4604	310-022
310-4704	310-023
310-4804	310-222
310-4904	

CAT. NO.	ARO NO.
310-1714	310-028
310-1814	

CAT. NO.	ARO NO.
310-1704	

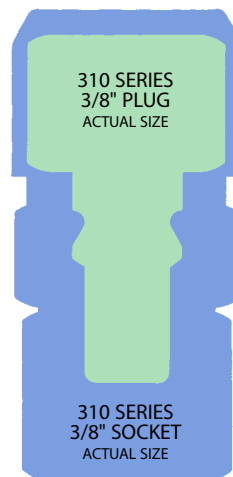
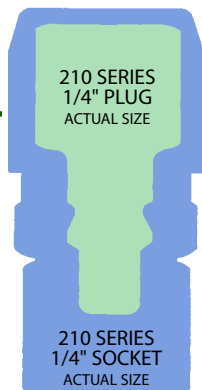
CAT. NO.	ARO NO.

310-SB3
310-SB5
310-SB7
310-SB9

310-SD7
310-SD9
310-SD11
310-SD13

NEW!

- Available in 303 Stainless-Suffix S/S



TF Series

Interchange with
Parker TRU-FLATE Series 10



	PLUGS		SOCKETS		PLUGS		SOCKETS		PLUGS		SOCKETS	
												
	TF3 SERIES 1/4"		AUTOMATIC		TF4 SERIES 3/8"		AUTOMATIC		1/2"		MANUAL	
FEMALE THREAD	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
1/8 FPT	TF13	1C	TF2803	B13A	TF41	1E	TF4004	15C	53-5	1F	4015	
1/4 FPT	TF11	3C	TF3003★	B13	TF43	3E	TF4204	15	55-5	3F	5005	17E
3/8 FPT	TF15	3C-E	TF3203	B13E			TF4404	15F	57-5	H3F-G	5205	17
1/2 FPT											5405	17G
3/4 FPT												
MALE THREAD	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
1/8 MPT	TF12	0C	TF2903	B12A	TF40	0E	TF4104	14C	50-5		4905	
1/4 MPT	TF10	2C	TF3103★	B12	TF42	2E	TF4304	14	52-5	0F	5105	16E
3/8 MPT	TF14	2C-E	TF3303	B12E			TF4504	14F	54-5 ■	2F	5305	16
1/2 MPT									56-5	H2F-G	5505	16G
3/4 MPT												
HOSE STEM (Require Hose Clamps)	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
1/4 I.D.	TF16	8C	TF3603	B10-3B			TF4604		59-5	4F	5605	
5/16 I.D.	TF165	8C-D	TF3653				TF4704		60-5 ■	5F	5705	16-5B
3/8 I.D.	TF17	9C	TF3703	B10-5B	TF48	5E	TF4804	14-5B	61-5	H5F-G	5805	16-6B
1/2 I.D.							TF4904	14-6B			5905	16-7B
3/4 I.D.												
PUSH-ON HOSE STEM	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
1/4 I.D.	TF51	8CP	TF1513	B10-3BP			TF1714	14-5BP	71-5	H4FP		
3/8 I.D.	TF71	9CP	TF1713	B10-5BP			TF1814		81-5	H5FP	1815	16-6BP
1/2 I.D.												
SELF-STORING AIR HOSE	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
3/8 I.D.							TF1704		8-5		1805	
1/2 I.D.												
REUSABLE HOSE CLAMP	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.	CAT. NO.	PARKER NO.
ID OD			TFSAA									
3/16 X 3/8			TFSAO									
3/16 X 7/16												
1/4 X 1/2	TFPB3		TFSB3				TFSB34				SD7-5	
1/4 X 9/16	TFPB5		TFSB5				TFSB54				SD9-5	
1/4 X 5/8	TFPB7		TFSB7				TFSB74				SD11-5	
1/4 X 11/16	TFPB9		TFSB9				TFSB94				SD13-5	
5/16 X 9/16			TFSC5								SP13-5	
5/16 X 5/8			TFSC7								SP15-5	
3/8 X 5/8			TFSD7				TFSD74				SP17-5	
3/8 X 11/16			TFSD9				TFSD94				SP19-5	
3/8 X 3/4			TFSD11				TFSD114					
3/8 X 13/16			TFSD13				TFSD134					
1/2 X 13/16												
1/2 X 7/8												
1/2 X 15/16												
1/2 X 1												

1/4" SOCKETS
HAVE SAFETY
SLEEVE GUARD

TF SERIES
1/4" PLUG
ACTUAL SIZE

TF SERIES
3/8" PLUG
ACTUAL SIZE

■ Available In Brass – Suffix B
★ Available In Brass with
Sleeveguard - Prefix SG

FOSTER
MANUFACTURING COMPANY



Two Way Shut-Off

ISO A Series

**Conforms with
ISO 7241-1,
Series A**

BODY | THREAD SIZE

1/4"	1/4 FPT
3/8"	3/8 FPT
1/2"	1/2 FPT
3/4"	3/4 FPT
1"	1 FPT

PLUGS



CAT. NO.

AM15-04
AM15-06
AM15-08
AM15-12
AM15-16

PLUG DUST CAPS*



CAT. NO.

A04DC
A06DC
A08DC
A12DC
A16DC

SOCKETS



CAT. NO.

AF15-04
AF15-06
AF15-08
AF15-12
AF15-16

SOCKET DUST PLUGS*



CAT. NO.

A04DP
A06DP
A08DP
A12DP
A16DP

* Material of construction: Rubber, Color: **Red**

Specifications ISO A Series

TYPE:

- **ISO A, TWO WAY SHUT-OFF**
Both socket and plug are sealed at disconnect.

INTERCHANGEABILITY:

- Conforms with **ISO 7241-1, Series A**

OPERATION:

- **MANUAL**- Socket sleeve must be manually retracted to connect and disconnect.

SEAL COMPOUND:

- Material: Buna-N
- Temperature Range: -40° to +225° F

MATERIALS OF CONSTRUCTION:

- Socket Body: Steel
- Socket Sleeve: Steel
- Plug Body: Induction Hardened Steel
- Valves: Hardened Steel
- Seals: Buna-N
- Back Up Ring: Teflon

DIMENSIONAL DATA:

- Full size layouts available upon request.
(See page 29 for full size plug layouts.)

PERFORMANCE DATA

Body Size	Max. Working Pressure PSIG	Min. Burst Pressure PSIG	Oil Flow SAE 10W/125°F/GPM
1/4"	5000	20,300	3
3/8"	4500	18,270	6
1/2"	4000	14,500	12
3/4"	4000	14,500	28
1"	4000	13,340	50



The ISO A Series is a general purpose hydraulic and fluid transfer coupling. Typical applications include mobile equipment, construction machinery and general industrial machinery.



INDUSTRIAL INTERCHANGE

Conforms with
ISO 7241-1,
Series B

PLUGS



BODY	THREAD SIZE	STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. •
1/8"	1/8 FPT 7/16-20FT ▲	K1S K1S4	K1B	K1S/S
1/4"	1/4 FPT 9/16-18FT ▲	K2S K2S6	K2B	K2S/S
3/8"	3/8 FPT 3/4-16FT ▲	K3S K3S8	K3B	K3S/S
1/2"	1/2 FPT 7/8-14FT ▲	K4S K4S10	K4B	K4S/S
3/4"	3/4 FPT 1-1/16-12FT ▲	K6S K6S12	K6B	K6S/S
1"	1FPT 1-5/16-12FT ▲	K8S K8S16	K8B	K8S/S

SOCKETS



STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. •
H1S H1S4	H1B	H1S/S
H2S H2S6	H2B	H2S/S
H3S H3S8	H3B	H3S/S
H4S H4S10	H4B	H4S/S
H6S H6S12	H6B	H6S/S
H8S H8S16	H8B	H8S/S

SOCKET DUST PLUG



CAT. NO.*
H1DP H1DP4
H2DP H2DP6
H3DP H3DP8
H4DP H4DP10
H6DP H6DP12
H8DP H8DP16

▲ SAE straight thread O-ring seal boss

• 303 Stainless Steel

H2S & H3S Available with Backup Ring, Suffix BU

* Aluminum

Specifications FHK Series

TYPE:

- **FHK, TWO WAY SHUT-OFF**
Both socket and plug are sealed at disconnect.

INTERCHANGEABILITY:

- **Standard industrial interchange** design, most widely used in industry. Within each series, only sockets and plugs of the same size will couple together. Conforms with **ISO 7241-1, Series B**.

OPERATION:

- **MANUAL**- Socket sleeve must be manually retracted to connect and disconnect.

SEAL COMPOUND:

- Standard seals are Buna-N.
- See page 20 for optional seals.

DIMENSIONAL DATA:

- Full size layouts available upon request.
(See page 28 for full size plug layouts.)

OPTIONS:

- **ONE WAY SHUT-OFF: Suffix VA** to either socket or plug catalog number for valve actuator.
- **STRAIGHT-THRU: Suffix LV** to both socket and plug catalog number for less valve.
- **BL:** Locks against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. **To order, prefix BL to socket catalog number.**

WORKING PRESSURE

Rated pressures as defined by ANSI/B93.2-1986, based on 4:1 safety factor and non-shock service.

BODY SIZE	STEEL PSIG	BRASS PSIG	STAINLESS STEEL PSIG
1/8"	4000	3000	3500
1/4"	4000	2700	3700
3/8"	3500	2200	3700
1/2"	2500	2200	4200
3/4"	1600	1500	1600
1"	2000	1500	2000

Vacuum Service: 27" Hg. maximum

PERFORMANCE DATA					FLOW
	Air flow – CFM				Oil Flow-GPM MIL-H5606-125°F Pressure Drop
	100 PSIG		80 PSIG		
	Pressure Drop				
	10 PSIG	5 PSIG	10 PSIG	5 PSIG	10 PSIG
1/8"	22	17	20	15	1.8
1/4"	32	22	29	20	3.6
3/8"	58	42	53	38	6.7
1/2"	130	88	118	80	11.0
3/4"	305	207	277	188	26.3
1"	372	252	338	229	31.8

BODY	PLUG DUST CAPS*	SOCKET DUST PLUGS*
1/8"	B1DC	B1DP
1/4"	B2DC	B2DP
3/8"	B3DC	B3DP
1/2"	B4DC	B4DP
3/4"	B6DC	B6DP
1"	B8DC	B8DP

* Material of Construction: Rubber. Color: Blue



Flush Face Hydraulic Couplers

FF Series

Conforms with:

- HTMA requirements
- ISO 16028

BODY | THREAD SIZE

3/8"

3/8 FPT

1/2 FPT

PLUGS



CAT. NO.*

FFP06-06F

FFP06-08F

SOCKETS



CAT. NO.

FFS06-06

FFS06-08

* Plugs with 3/4" FPT and 3/8", 1/2", 3/4" MPT available upon request.

Specifications Flush Face Hydraulic Couplers

TYPE:

- **FF, TWO WAY SHUT-OFF**

Both socket and plug are sealed at disconnect.

INTERCHANGEABILITY:

- Meets **HTMA** (Hydraulic Tool Manufacturers' Association) requirements
- Conforms with **ISO 16028**

OPERATION:

- **AUTOMATIC**- Push-to-connect for one hand operation
- **DIRECTION OF FLOW**- Indicated by arrow stamped on body of coupler

FEATURES:

- **SLEEVE LOCK**- Align the notched sleeve with the ball to connect and disconnect. Prevents unintended operation.

SEAL COMPOUND:

- Material: Viton and PTFE
- Temperature Range: -40° to +400° F

MATERIALS OF CONSTRUCTION:

- Socket Body: Steel
- Socket Sleeve: Steel
- Plug Body: Steel
- Valve Components: Steel and 303 S/S
- Seals: Viton and PTFE

PERFORMANCE DATA

Body Size	Max. Working Pressure PSIG	Min. Burst Pressure, PSIG			Rated Flow GPM
		Coupled	Plug	Socket	
3/8"	4,350	17,500	17,500	8,800	10



The FF Series couplers are a two way shut-off hydraulic coupler. Typical applications include portable hydraulic tools, railway and construction maintenance equipment, utility company field equipment and general purpose hydraulic service. The flush face technology provides for ease of cleaning, minimal air inclusion and minimal fluid loss. The arrow stamped on the coupler indicates the direction of flow for installation purposes.

FF SERIES
3/8" PLUG
ACTUAL SIZE

FH & FIH Series

Interchange with Snap-Tite
H & IH Series



TWO WAY VALVED SOCKETS



FH SERIES

TWO WAY VALVED PLUGS



FEMALE THREAD

	STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
1/4 FPT	FHS2F2	VHC4-4F	FHS2F2B	BVHC4-4F
3/8 FPT	FHS3F3	VHC6-6F	FHS3F3B	BVHC6-6F
1/2 FPT	FHS4F4	VHC8-8F	FHS4F4B	BVHC8-8F

MALE THREAD

1/4 MPT	FHS2M2	VHC4-4M	FHS2M2B	BVHC4-4M
3/8 MPT	FHS3M3	VHC6-6M	FHS3M3B	BVHC6-6M
1/2 MPT	FHS4M4	VHC8-8M	FHS4M4B	BVHC8-8M

STEEL CATALOG NO.	SNAP-TITE	BRASS CATALOG NO.	SNAP-TITE
FHP2F2	VHN4-4F	FHP2F2B	BVHN4-4F
FHP3F3	VHN6-6F	FHP3F3B	BVHN6-6F
FHP4F4	VHN8-8F	FHP4F4B	BVHN8-8F
FHP2M2	VHN4-4M	FHP2M2B	BVHN4-4M
FHP3M3	VHN6-6M	FHP3M3B	BVHN6-6M
FHP4M4	VHN8-8M	FHP4M4B	BVHN8-8M

Specifications FH, FIH Series

TYPE:

- **FH** – TWO WAY SHUT-OFF AND STRAIGHT-THRU
- **FIH** – ONE WAY SHUT-OFF

INTERCHANGEABILITY:

- **FH SERIES** interchanges with Snap-Tite "H" Series.
- **FIH SERIES** interchanges with Snap-Tite "IH" Series.
- Within each series, only sockets and plugs of the same size will couple together.

OPERATION:

- **MANUAL** – Socket sleeve must be manually retracted to connect and disconnect.

OPTIONS:

- **BL** – Locks against accidental disconnect. To connect align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. **To order, prefix BL to socket catalog numbers.**

SEAL COMPOUND GUIDE:

- Standard seals are Buna-N.
- See page 20 for optional seals.

DIMENSIONAL DATA:

- Full size layouts available upon request.
(See page 28 for full size plug layouts.)

WORKING PRESSURE

Rated Pressure as defined by
ANSI/B93.2 – 1986, based on a 4:1
safety factor and non-shock service.

FH Series, Two Way	Steel	Brass
Body Size	PSIG	PSIG
1/4"	3250	2000
3/8"	2250	1200
1/2"	1800	1200

FH, Straight Thru	Steel	Brass
Body Size	PSIG	PSIG
1/4"	3000	3000
3/8"	4000	3500
1/2"	4000	2500

FIH, One Way	Steel
Body Size	PSIG
1/4"	3000
3/8"	2250
1/2"	2000

FH & FIH Series

FIH SERIES ONE WAY VALVED SOCKETS



FIH & FH SERIES UNVALVED PLUGS



FH SERIES STRAIGHT-THRU SOCKETS, NO VALVING



FEMALE THREAD

	STEEL CAT. NO.	SNAP-TITE
1/8 FPT	FIS2F2	VIHC4-4F
1/4 FPT	FIS3F3	VIHC6-6F
3/8 FPT	FIS4F4	VIHC8-8F

MALE THREAD

1/4 MPT	FIS2M2	VIHC4-4M
3/8 MPT	FIS3M3	VIHC6-6M
1/2 MPT	FIS4M4	VIHC8-8M

STEEL CAT. NO.		BRASS CAT. NO.	
SNAP-TITE		SNAP-TITE	
FH21F	PHN4-2F		
FH22F	PHN4-4F	FH22FB	BPHN4-4F
FH33F	PHN6-6F	FH33FB	BPHN6-6F
FH44F	PHN8-8F	FH44FB	BPHN8-8F

FH22M	PHN4-4M	FH22MB	BPHN4-4M
FH33M	PHN6-6M	FH33MB	BPHN6-6M
FH44M	PHN8-8M	FH44MB	BPHN8-8M

STEEL CAT. NO.	SNAP-TITE	BRASS CAT. NO.	SNAP-TITE
FHS2	PHC4-4F	FHS2B	BPHC4-4F
FHS3	PHC6-6F	FHS3B	BPHC6-6F
FHS4	PHC8-8F	FHS4B	BPHC8-8F

The FIH Series sockets & plugs are for pneumatic applications. The FIH sockets have a valve with 360° contact with plug.

FOSTER
MANUFACTURING COMPANY



Straight-Thru

FST Series

INDUSTRIAL INTERCHANGE

PLUGS



SOCKETS



FEMALE THREAD

	STEEL CAT. NO.	BRASS CAT. NO.	S/S CAT. NO. •
1/8 FPT		12FPB	12FPS
1/4 FPT	25FP	25FPB	25FPS
3/8 FPT	38FP	38FPB	38FPS
1/2 FPT	50FP	50FPB	50FPS
3/4 FPT	75FP	75FPB	75FPS
1 FPT	100FP	100FPB	100FPS
1-1/4 FPT	125FP	125FPB	
1-1/2 FPT	150FP	150FPB	



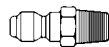
BRASS CAT. NO. S/S CAT. NO. •

12FS	12FSS
25FS	25FSS
38FS	38FSS
50FS	50FSS
75FS	75FSS
100FS	100FSS
125FS	
150FS	



MALE THREAD

1/8 MPT	12MP	12MPB	12MPS
1/4 MPT	25MP	25MPB	25MPS
3/8 MPT	38MP	38MPB	38MPS
1/2 MPT	50MP	50MPB	50MPS
3/4 MPT	75MP	75MPB	75MPS
1 MPT	100MP	100MPB	100MPS
1-1/4 MPT	125MP	125MPB	
1-1/2 MPT	150MP	150MPB	



HOSE STEM

1/4 I.D.	25HP	
3/8 I.D.		38HPB
1/2 I.D.		
3/4 I.D.		75HPB



Only Sockets & Plugs with same prefix digits connect together. Example: 25FS & 25MPB

● 303 Stainless Steel

Specifications FST Series

TYPE:

- **FST STRAIGHT-THRU** – No valve in either socket or plug.

INTERCHANGEABILITY:

- **Standard industrial interchange** design, most widely used in industry. Within each series, only sockets and plugs of the same size will couple together.

OPERATION:

- **MANUAL** – Socket sleeve must be manually retracted to connect and disconnect.

OPTIONS:

- **BL** – Locks socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. **To order, prefix BL to socket catalog number.**

SEAL COMPOUND GUIDE:

- Standard seals are Buna-N.
- See page 20 for optional seals.

DIMENSIONAL DATA:

- Full size layouts available upon request.
(See page 29 for full size plug layouts.)

PERFORMANCE DATA FLOW:

- **Couplers have same inside diameter as nominal pipe.**

WORKING PRESSURE:

- Rated pressures as defined by ANSI/B93.2-1986, based on 4:1 safety factor and non-shock service.

BODY SIZE	BRASS SOCKET w/BRASS PLUG	BRASS SOCKET w/STEEL PLUG	S/S SOCKET w/S/S PLUG
	PSIG	PSIG	PSIG
1/8"	2500	2600	4200
1/4"	5200	5500	5000
3/8"	2700	3500	5500
1/2"	2200	2700	3000
3/4"	1700	2700	3000
1"	1200	2000	1700
1 1/4"	1700	2700	
1 1/2"	1400	2200	

Vacuum Service: 27" Hg maximum

Fluid Compatibility Guide



The following body material and seal compound chart is presented as a guide only and is not intended to provide a specific recommendation as to the suitability of any Foster product for a specific application. Various other environmental and operating conditions must be considered. These items include, but are not limited to, operating temperatures, ambient conditions and any prevailing standards or regulations.

BODY MATERIAL DATA		
Body Material		
Brass	B	
Steel	S	
303 S/S	S/S	

SEAL COMPOUND DATA		
Seal Material	Part No. Suffix	Coupler Color Code
Nitrile (Buna-N)	Std.	None
Viton® (product of DuPont)	-101	Blue
Neoprene	-102	Red
Ethylene Propylene	-103	Black
Silicone	-104	White

MEDIA	BODY MATERIAL	SEAL COMPOUND	MEDIA	BODY MATERIAL	SEAL COMPOUND	MEDIA	BODY MATERIAL	SEAL COMPOUND
Acetic Acid (5%)	S/S	-101	Helium	B, S, S/S	Std.	Potassium Acetate	S	-103
Acetone	B, S/S	-103	Heptane	B, S, S/S	Std.	Potassium Dichromate	S	Std.
Acetophenone	S/S	-103	Hydraulic Oil (Petroleum Base)	B, S, S/S	Std.	Potassium Nitrate	S, S/S	Std.
Acetylene	S/S	Std.	Hydraulic Oil (Water Base)	S, S/S	-103	Potassium Sulfate	S/S	Std.
Air (up to 200° F)	B, S/S	Std.	Hydrazine	S/S	-103	Propane	B, S/S	Std.
Air (up to 400° F)	B, S/S	-101, -104	Hydrogen Gas	B, S, S/S	Std.	Propyl Alcohol	B, S, S/S	Std.
Ammonia (Anhydrous)	S/S	-102	Isobutyl Alcohol	S/S	-101	Propylene	B, S, S/S	-101
Ammonia (Cold, Gas)	S/S	-103	Isopropyl Alcohol	B, S, S/S	-101	Pydraul 10E	S, S/S	-103
Ammonium Nitrate	S/S	Std.	Isopropyl Ether	B, S, S/S	Std.	Pydraul A-200, C Series	S, S/S	-101
Amyl Chloride	S/S	-101	Isocyanate	S	-101	Pydraul, 3 Series	S, S/S	-101
Arsenic Acid	S/S	Std.	Kerosene	B, S/S	Std.	Sea Water (Salt Water)	S/S	Std.
Asphalt	S/S	-101	Linseed Oil	S, S/S	Std.	Silicone Greases	B, S, S/S	Std.
Brine (Sodium Chloride)	S/S	Std.	Lubricating Oil (SAE 10,20,30,40,50)	B, S, S/S	Std.	Skydrol 500, Type 2	S, S/S	-103
Butane	S/S	Std.	Mercury	S/S	Std.	Skydrol 7000, Type 2	S, S/S	-103
Butanol (Butyl Alcohol)	S/S	Std.	Methane	B, S/S	Std.	Soap Solutions	S/S	Std.
Calcium Acetate	B, S	-103	Methanol	B, S/S	Std.	Sodium Acetate	B, S, S/S	-103
Carbon Dioxide	B, S/S	Std.	Methyl Bromide	S, S/S	-101	Sodium Carbonate (Soda Ash)	S, S/S	Std.
Carbon Tetrachloride	B	-101	Methyl Chloride (Wet)	B	-101	Sodium Cyanide	S, S/S	Std.
Castor Oil	B, S, S/S	Std.	Methyl Ethyl Ketone (MEK)	B, S, S/S	-103	Sodium Metaphosphate	S	Std.
China Wood Oil (Tung Oil)	S/S	Std.	Mineral Oils	B, S, S/S	Std.	Sodium Nitrate	S/S	-103
Chloroform	S/S	-101	Naphtha	S	-101	Sodium Perborate	S/S	-101
Corn Oil	B, S, S/S	Std.	Naphthalene	S	-101	Sodium Peroxide	S	-101
Creosote	S/S	Std.	Naphthenic Acid	S	-101	Sodium Phosphates	B, S/S	Std.
Crude Oil	S/S	-101	Nickel, Acetate	S/S	-103	Sodium Sulfate	S/S	Std.
Cutting Oil	S, S/S	Std.	Nickel Sulfate	S/S	Std.	Soybean Oil	S, S/S	Std.
Detergent, Water Solution	S/S	Std.	Nitrogen	B, S, S/S	Std.	Steam (below 400° F)	B, S/S	-103
Diesel Fuel	B, S/S	Std.	Nitrous Oxide	S/S	Std.	Sucrose Solutions	B, S, S/S	Std.
Diethylene Glycol	S, S/S	Std.	Octyl Alcohol	B, S, S/S	-101	Tannic Acid (10%)	B	Std.
Dimethyl Formamide	S/S	-103	Oxalic Acid	S/S	-101	Tertiary Butyl Alcohol	B, S, S/S	-101
Ethanol	B	-103	Oxygen (200-400° F.)	B, S/S	-101	Tetraethyl Lead	B, S, S/S	-101
Freon 11	B	-101	Oxygen, (below 200° F.)	B, S/S	Std.	Tetraethyl Lead (blend)	B, S, S/S	-101
Freon 12	B, S, S/S	-102	Ozone	S/S	-101	Titanium Tetrachloride	S	-101
Freon 22	B, S/S	-102	Palmitic Acid	B, S/S	Std.	Toluene	B, S, S/S	-101
Freon R134a	B, S, S/S	-102	Para-Dichlorobenzene	S	-101	Transmission Fluid (Type A)	B, S, S/S	Std.
Fuel Oil	S/S	Std.	Peanut Oil	S, S/S	Std.	Turbine Oil #15	S/S	-101
Gas, Liquid, Propane (LPG)	B, S/S	Std.	Petrolatum	B, S, S/S	Std.	Turpetine	S/S	Std.
Gas, Natural	B, S/S	Std.	Petroleum Oil, (below 200° F)	B, S, S/S	Std.	Varnish	B, S, S/S	-101
Gasoline (unleaded)	B, S/S	-101	Phenol	B, S, S/S	-101	Water (below 100° F)	B, S/S	Std.
Glucose	B, S, S/S	Std.	Phosphorous Trichloride	S/S	-101	Water (above 100° F)	B, S/S	-103
Glycerine (Glycerol)	S, S/S	Std.	Plating Solutions (Chrome)	B, S/S	-101	Xylene	B, S/S	-101
Glycols	S, S/S	Std.	Plating Solutions (other)	S/S	-101			

To Order: Suffix seal compound part number to coupling part number.
Example: H4S-103, 1/2" NPT, FHK Series, steel socket with ethylene propylene seals.

Note: Please consult with your Foster representative or the factory for any media not listed.



FJT Series

Interchange with
DME Jiffy-Tite – Jiffy-Matic

Specifications FJT Series

Foster FJT Series couplers are designed to connect coolant lines to plastic molds and diecasting dies. FJT Series plugs are mounted in the mold. They can be threaded directly into the mold coolant ports or recessed into the mold for a flush surface during storage. Sockets have hose stems, either standard hose or "Push-on" type, for direct connection to the coolant line going to the manifold. Seal compound is silicone for use with water, ethylene glycol, or air.

PLUGS



FEMALE THREAD



MALE THREAD

CAT. NO.

FEMALE THREAD **STEEL**

1/4"	1/8 FPT	FP251F ■	
	1/4 FPT	FP252F ■	
	3/8 FPT	FP253F	
1/4"	MALE THREAD BRASS		
	1/8 MPT	FP251	
	1/4 MPT	FP252 ★	
	3/8 MPT	FP253	

FEMALE THREAD **STEEL**

3/8"	1/4 FPT	FP352F ■	
	3/8 FPT	FP353F ■	
3/8"	MALE THREAD BRASS		
	1/8 MPT	FP351	
	1/4 MPT	FP352 ★	
	3/8 MPT	FP353	

VALVED PLUG



MALE THREAD **BRASS**

3/8 MPT	FP353V	
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FEMALE THREAD **STEEL**

1/2 FPT	FP554F	
3/4 FPT	FP556F	

MALE THREAD **BRASS**

1/2 MPT	FP554	
3/4 MPT	FP556	

★ Available In Steel – Suffix S

■ Available In Brass – Suffix B

TYPE:

- **STRAIGHT-THRU, ONE WAY OR TWO WAY**

INTERCHANGEABILITY:

- Interchanges with DME Jiffy-Tite and Jiffy-Matic and Parker Moldmate couplers.

OPERATION:

- Socket sleeve must be manually retracted to connect and disconnect.

OPTIONS:

- **BL** – Locks manual socket against accidental disconnect. To connect, align ball with slot. After connection, rotate sleeve to lock. To disconnect, realign ball with slot and retract sleeve. **To order, prefix BL to socket catalog number.**

FEATURES:

- Precision leakproof seal, lathe cut from silicone tubing
- Two piece construction on straight stem sockets
- Double knurl on socket sleeve for easier grip
- Sockets have six balls

TEMPERATURE:

- -65° to 425° F.

WORKING PRESSURE:

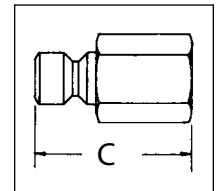
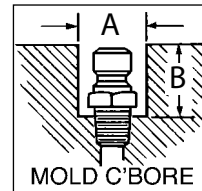
- 200 PSIG

DIMENSIONAL DATA:

- Full size layouts available upon request.

Cat. No.	NPT	A	B	C
FP251 (F)	1/8	.687	.687	1.000
FP252 (F)	1/4	.843	.937	1.278
FP253 (F)	3/8	1.00	.937	1.373
FP352 (F)	1/4	1.00	1.092	1.450
FP353 (F)	3/8	1.00	1.125	1.574
FP354	1/2	1.187	1.250	
FP554 (F)	1/2	1.250	1.500	1.750
FP556 (F)	3/4	1.500	1.562	1.750

(F) – Suffix F for female pipe thread



PERFORMANCE DATA FLOW

		Water – GPM 10 PSIG Pressure Drop
FJT200	Straight-Thru	4.5
FJT200 V	One Way (valved)	2.3
FJT300	Straight-Thru	10.0
FJT300HF	High Flow	13.8
FJT300 V	One Way (valved)	5.9
FJT500	Straight-Thru	28.2

FJT Series Brass Extension Plugs



- One piece construction for fast assembly, positive removal.
- Installation problems associated with pipe nipple extensions on standard plugs are eliminated.
- One-piece brass construction eliminates a potential leak point and ensures removability
- A variety of pipe sizes and lengths are available per the enclosed table.

FJT Brass Extension Plugs

Cat. Part No.	Series	Pipe Size
FP251X	1/4"	1/8" MPT
FP252X	1/4"	1/4" MPT
FP253X	1/4"	3/8" MPT
FP352X	3/8"	1/4" MPT
FP353X	3/8"	3/8" MPT
FP354X	3/8"	1/2" MPT
FP554X	1/2"	1/2" MPT

Lengths available: 2.5", 4", 5.5", 7", and 8.5"

To Order: Suffix the catalog part number with the desired length; i.e. FP251x2.5.

Note: Other sizes and lengths are available upon request.



SOCKETS



STRAIGHT-THRU



ONE WAY (VALVED)



TWO WAY (VALVED)

HOSE
STEM
CAT. NO.

PUSH-ON
STEM
CAT. NO.

HOSE
STEM
CAT. NO.

PUSH-ON
STEM
CAT. NO.

STRAIGHT HOSE STEM

1/4 I.D.
5/16 I.D.
3/8 I.D.

FS204
FS205
FS206

FS204P
FS206P



FS204V
FS205V
FS206V

FS204VP
FS206VP



45° HOSE STEM

1/4 I.D.
5/16 I.D.
3/8 I.D.

FS224
FS225
FS226

FS224P
FS226P



FS224V
FS225V
FS226V

FS224VP
FS226VP



90° HOSE STEM

1/4 I.D.
5/16 I.D.
3/8 I.D.

FS214
FS215
FS216

FS214P
FS216P



FS214V
FS215V
FS216V

FS214VP
FS216VP



Two way sockets and plugs eliminate coolant loss through automatic shut off at disconnect. Two way plugs can be used only with two way sockets. Regular plugs may be used with either straight-thru or one way sockets.

STRAIGHT HOSE STEM

3/8 I.D.
1/2 I.D.

FS306
FS308

FS306P
FS308P



FS306V
FS308V

FS306VP
FS308VP



HOSE
STEM
CAT. NO.

PUSH-ON
STEM
CAT. NO.

FS306V2
FS308V2

FS306VP2
FS308VP2



45° HOSE STEM

3/8 I.D.
1/2 I.D.

FS326
FS328

FS326P
FS328P



FS326V
FS328V

FS326VP
FS328VP



FS326V2
FS328V2

FS326VP2
FS328VP2



90° HOSE STEM

3/8 I.D.
1/2 I.D.

FS316
FS318

FS316P
FS318P



FS316V
FS318V

FS316VP
FS318VP



FS316V2
FS318V2

FS316VP2
FS318VP2



STRAIGHT HOSE STEM

1/2 I.D.
3/4 I.D.

FS504
FS506

FS504P
FS506P



45° HOSE STEM

1/2 I.D.
3/4 I.D.

FS524
FS526

FS524P
FS526P



90° HOSE STEM

1/2 I.D.
3/4 I.D.

FS514
FS516

FS514P
FS516P



FJT SERIES
1/4" PLUG
ACTUAL SIZE



FJT SERIES
3/8" PLUG
ACTUAL SIZE



FJT SERIES
1/2" PLUG
ACTUAL SIZE

NOTE: Sockets are available **without** straight or angle hose stems. Catalog numbers and socket body FPT sizes are as follows:

Cat. No.	FPT
FS200	1/8"
FS200V	1/8"
FS300	1/4"
FS300V	1/4"
FS300V2	1/4"
FS300HF	3/8"
FS500	1/2"

NOTE: Catalog No. FS308 and FS318 are available in a high flow version having a flow of 13.8 GPM.

HOSE STEM Cat. No.	PUSH-ON STEM Cat. No.
FS308HF	FS308HFP
FS318HF	FS318HFP



Recoil Hose

Polyurethane Recoil Hose

BENEFITS

- Greater durability than Nylon or Hytrel recoil hoses due to exceptional wear characteristics
- Longer life expectancy due to kink resistant properties
- Superior recoil memory due to elastic properties
- Working length is approximately 80-90% of hose length
- Hoses are preassembled with reusable brass fittings reducing assembly time
- 5/32" ID hose is ideal for use with Foster blow guns

SPECIFICATIONS

- Temperature Range: -40°F to +125°F
- Working Pressure: 125 PSIG @ 75°F

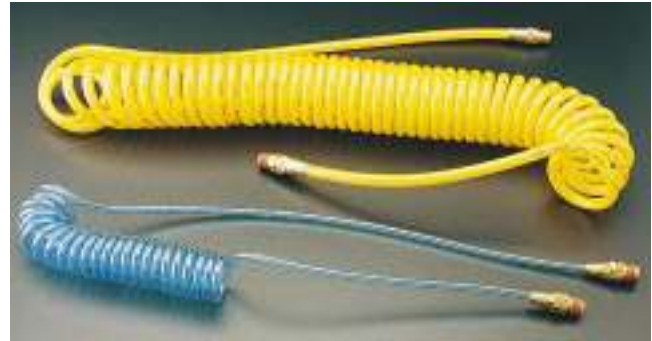
ORDERING INFORMATION

- Colors: Available in Transparent Blue & Yellow.

SPARE REUSABLE FITTINGS

CATALOG PART NO.	HOSE SIZE	FITTING TYPE
PSM53204	5/32" x 1/4"	1/4" MPT swivel
PSM0404	1/4" x 3/8"	1/4" MPT swivel
PRM0404	1/4" x 3/8"	1/4" MPT rigid
PSM0606	3/8" x 9/16"	3/8" MPT swivel
PRM0606	3/8" x 9/16"	3/8" MPT rigid

POLYURETHANE RECOIL HOSE



CATALOG NO.	ID x OD	HOSE LENGTH	MPT FITTINGS
FPR532-10B-T	5/32 x 1/4	10'	1/4" Swivel Both Ends
FPR532-10B-Y	5/32 x 1/4	10'	1/4" Swivel Both Ends
FPR14-15A-T	1/4 x 3/8	15'	1/4" Rigid & 1/4" Swivel
FPR14-15A-Y	1/4 x 3/8	15'	1/4" Rigid & 1/4" Swivel
FPR14-25A-T	1/4 x 3/8	25'	1/4" Rigid & 1/4" Swivel
FPR14-25A-Y	1/4 x 3/8	25'	1/4" Rigid & 1/4" Swivel
FPR38-15A-T	3/8 x 9/16	15'	3/8" Rigid & 3/8" Swivel
FPR38-15A-Y	3/8 x 9/16	15'	3/8" Rigid & 3/8" Swivel
FPR38-25A-T	3/8 x 9/16	25'	3/8" Rigid & 3/8" Swivel
FPR38-25A-Y	3/8 x 9/16	25'	3/8" Rigid & 3/8" Swivel

T= Transparent Blue, Y= Yellow

Hytrel Recoil Hose

HYTREL RECOIL HOSE



HOSE SIZE	CAT. NO.	COIL SIZE	HOSE SIZE	THREAD SIZE
1/4 I.D.	FR25*	3-3/4" Dia.	1/4 I.D.	1/4 NPT
3/8 I.D.	FR38*	5-3/4" Dia.	3/8 I.D.	3/8 NPT
1/2 I.D.	FR50*	8" Dia.	1/2 I.D.	1/2 NPT

* Please specify color when ordering. Suffix **B** for Blue, **Y** for Yellow.

BENEFITS

- Impervious to oil, very abrasion resistant
- Recoil memory superior to Nylon
- Working length is approximately 60% of hose length
- Coiled length is 1/30th of hose length

SPECIFICATIONS

- Temperature Range: -40°F to +125°F
- Working Pressure: 170 PSIG @ 76°F

ORDERING INFORMATION

- Colors: Light Blue and Yellow
- Suffix - B for Blue; Y for Yellow
- Available in 100' lengths.

HYTREL RECOIL HOSE FITTINGS



CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
FR25M	FR25S	FR25L	FR25F
FR38M	FR38S	FR38L	FR38F
FR50M	FR50S		

HYTREL RECOIL HOSE ASSEMBLIES

HOSE SIZE	LENGTH	(2) MALE FTGS	(2) SWIVEL FTGS	(1) SWIVEL (1) MALE FTG	(2) ELBOW FTGS	(2) FEMALE FTGS
		CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
1/4"	6 FT	FR25-6M*	FR25-6S*	FR25-6SM*	FR25-6L*	FR25-6F*
	12 FT	FR25-12M*	FR25-12S*	FR25-12SM*	FR25-12L*	FR25-12F*
	25 FT	FR25-25M*	FR25-25S*	FR25-25SM*	FR25-25L*	FR25-25F*
	50 FT	FR25-50M*	FR25-50S*	FR25-50SM*	FR25-50L*	FR25-50F*
3/8"	12 FT	FR38-12M*	FR38-12S*	FR38-12SM*	FR38-12L*	FR38-12F*
	25 FT	FR38-25M*	FR38-25S*	FR38-25SM*	FR38-25L*	FR38-25F*
1/2"	12 FT	FR50-12M*	FR50-12S*	FR50-12SM*		
	25 FT	FR50-25M*	FR50-25S*	FR50-25SM*		

* Please specify color when ordering. Suffix **B** for Blue, **Y** for Yellow.

Compressed Air Blow Guns



**Safety
Controlled-
Flow**

**OSHA
Compliant**

LEVER OPERATED HANDY-AIR™ BLOW GUN



CATALOG NO.

PRESSED SAFETY TIP	BG2L-30STP
THREADED SAFETY TIP	BG2L-30STT
PRESSED STANDARD TIP	BG2L-30P
THREADED STANDARD TIP	BG2L-30T

BUTTON OPERATED HANDY-AIR™ BLOW GUN



CATALOG NO.

BG2-30STP
BG2-30STT
BG2-30P
BG2-30T

NICKEL PLATED HANDY-AIR™ BLOW GUN



CATALOG NO.

BG2L-STT

Our bright nickel plated, Lever Operated Blow Guns offer the same quality features as the other Handy-Air™ Blow Guns at an economical price.

INLET PRESSURE

- 150 PSIG maximum

TEMPERATURE

- 32°-180° F

FLOW

- Safety Tip: 19.8CFM@100 PSIG
- Standard Tip: 9.3 CFM@100 PSIG

BODY

- Diecast Zinc

SEAL

- Buna-N

INLET

- 1/4" FPT

SAFETY TIP - STANDARD TIP

Handy-Air models are available with either the standard or ST safety tip, each of which may be ordered pressed or threaded to the gun. The pressed tip is not removable and prevents tampering. The threaded tip has a 1/8" NPT male thread. The ST safety tip provides a conical shield of air which encircles blown chips or particles directing them away from the operator.



Non-Regulated Blow Guns

Standard model blow guns are available for those installations not requiring reduced pressure. These two diecast models are not OSHA compliant.

Cat. No. BG2 (Button Operated)
Cat. No. BG2L (Lever Operated)

**Safety
Controlled-
Flow**

**OSHA
Compliant**

PISTOL GRIP BLOW GUN



CATALOG NO.

PRESSED SAFETY TIP	PG2P
THREADED SAFETY TIP	PG2T

INLET PRESSURE

- 150 PSIG

TEMPERATURE

- 32° - 120° F

FLOW

- 19.8 CFM @ 100 PSIG

BODY

- Nylon 6

SEAL

- Buna-N

INLET

- 1/4" FPT

FEATURES

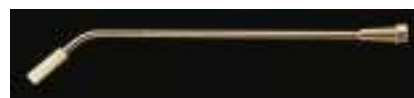
- OSHA Compliant
- Pistol grip design is more comfortable to operate.
- Trigger/Valve design allows for variable output.
- Safety tip standard
- Trigger serves as a convenient hanging hook.
- Color, safety yellow.

Blowgun Accessories



#EX12 12" Extension

- Permanent extension.
- Employs same tip as gun.
- Dynamic and static pressures same as gun installed on.



#EX10DH 10" Extension

- Removable extension, push on, twist off.
- Durable tubing with female tapered fitting.
- Fits snugly on standard or safety tip.



#EX2RT Rubber Tip

- Protects delicate parts from damage
- Blowguns with rubber tip will not comply with OSHA requirements.
- Installs on all threaded blowguns with 1/8" NPT

FOSTER
MANUFACTURING COMPANY



Reusable Hose Fittings

**Working Pressure
300 PSIG**

REUSABLE - MALE PIPE THREADS



SWIVEL



FREE SWIVEL UNDER PRESSURE

ID	OD	1/8 MPT CAT. NO.	1/4 MPT CAT. NO.	3/8 MPT CAT. NO.	1/2 MPT CAT. NO.	1/4 MPT CAT. NO.	3/8 MPT CAT. NO.	1/2 MPT CAT. NO.
3/16 X 3/8		1AA	2AA					
3/16 X 7/16		1AO	2AO					
1/4 X 1/2		1B3	2B3	4B3		2B3MS		
1/4 X 9/16		1B5	2B5	4B5		2B5MS		
1/4 X 5/8		1B7	2B7 ●	4B7		2B7MS		
1/4 X 11/16		1B9	2B9	4B9		2B9MS		
5/16 X 9/16			2C5					
5/16 X 5/8			2C7					
3/8 X 5/8			2D7	4D7	6D7		4D7MS	
3/8 X 11/16			2D9	4D9	6D9		4D9MS	
3/8 X 3/4			2D11	4D11	6D11		4D11MS	
3/8 X 13/16			2D13	4D13	6D13		4D13MS	
1/2 X 13/16			2P13	4P13	6P13			6P13MS
1/2 X 7/8			2P15	4P15	6P15			6P15MS
1/2 X 15/16			2P17	4P17	6P17			6P17MS
1/2 X 1			2P19	4P19	6P19			6P19MS

● Available in 303 Stainless – Suffix S/S

REUSABLE - FEMALE SWIVEL



HOSE SPLICER



ID	OD	NO. 1 NUT 9/16-20 NS CAT. NO.	NO. 2 NUT 5/8-18 NF CAT. NO.	NO. 5 NUT 1/4-18 NPS CAT. NO.	NO. 8 NUT 3/8-18 NPS CAT. NO.	NO. 10 NUT 1/2-14 NPS CAT. NO.	OXYGEN 9/16-18 R.H. CAT. NO.	ACETYLENE 9/16-18 L.H. CAT. NO.	HOSE SPLICER CAT. NO.
3/16 x 3/8		1AA-S	2AA-S	5AA-S			R4AA-S	L4AA-S	
3/16 x 7/16		1AO-S	2AO-S	5AO-S			R4AO-S	L4AO-S	
1/4 x 1/2		1B3-S	2B3-S	5B3-S			R4B3-S	L4B3-S	HS-B3
1/4 x 9/16		1B5-S	2B5-S	5B5-S			R4B5-S	L4B5-S	HS-B5
1/4 x 5/8		1B7-S	2B7-S	5B7-S			R4B7-S	L4B7-S	HS-B7
1/4 x 11/16		1B9-S	2B9-S	5B9-S			R4B9-S	L4B9-S	HS-B9
5/16 x 9/16		1C5-S		5C5-S			R4C5-S	L4C5-S	
5/16 x 5/8		1C7-S		5C7-S			R4C7-S	L4C7-S	
3/8 x 5/8		1D7-S	2D7-S	5D7-S	8D7-S		R4D7-S	L4D7-S	HS-D7
3/8 x 11/16		1D9-S	2D9-S	5D9-S	8D9-S		R4D9-S	L4D9-S	HS-D9
3/8 x 3/4		1D11-S	2D11-S	5D11-S	8D11-S		R4D11-S	L4D11-S	HS-D11
3/8 x 13/16		1D13-S	2D13-S	5D13-S	8D13-S		R4D13-S	L4D13-S	HS-D13
1/2 x 13/16						10P13-S			
1/2 x 7/8						10P15-S			
1/2 x 15/16						10P17-S			
1/2 x 1						10P19-S			

ADAPTERS

1/4 MPT	1-2M	5-2M						
3/8 MPT	1-3M				10-3M			
1/2 MPT					10-4M			
9/16-18 x 9/16-18						R4-R4	L4-L4	
9/16-18 x 1/4 MPT							L4-2M	



Industrial Hose & Fittings



Foster "Push On" Hose & Fittings



- For shop air, pneumatic tools, petroleum base hydraulic oils, anti-freeze compounds, gasoline, water, lubricating oils and diesel fuels.
- **No clamps required**, just push hose on. Hose grips barb through distortion of braid. Forms leak proof grip with "Push-On" fitting. "Push On" hose used with standard barbed fittings requires clamps.

ID	OD	CAT. NO.	WORKING PRESSURE	BURST PRESSURE
1/4" x 9/16"		PO25	300 PSIG	1200 PSIG
3/8" x 11/16"		PO38	300 PSIG	1200 PSIG
1/2" x 13/16"		PO50	300 PSIG	1200 PSIG

CONSTRUCTION

- Foster "Push-On" hose is constructed with a synthetic rubber tube, fiber braid reinforcement and a synthetic rubber cover, resistant to abrasion, oil and mildew.

TEMPERATURE RANGE

- -40° to +212°F.

PUSH ON FITTINGS

MALE	SWIVEL	FEMALE	SPLICER
CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
PM3			
PM5			
PM7	PM7S	PF36	PHS82
PM9			
PM11			
3/8 NPT x 3/8	PM13S	PF40	PHS84
PM14			
PM16			
1/2 NPT x 1/2	PM17S	PF42	PHS85
PM19			

Foster couplers with "Push-On" hose stems are listed with the various series of sockets and plugs.

Barbed Inserts Require Hose Clamp(s)

Brass

PIPE THREAD	HOSE ID
1/8 NPT x 1/8	
1/8 NPT x 3/16	
1/8 NPT x 1/4	
1/8 NPT x 5/16	
1/8 NPT x 3/8	

3/16 x 3/16

1/4 NPT x 3/16
1/4 NPT x 1/4
1/4 NPT x 5/16
1/4 NPT x 3/8
1/4 NPT x 1/2

5/16 x 5/16

3/8 NPT x 1/4
3/8 NPT x 3/8
3/8 NPT x 1/2

1/2 NPT x 3/8
1/2 NPT x 1/2
1/2 NPT x 3/4

3/4 NPT x 3/4

BARBED INSERT FITTINGS

HEX NIPPLES

MALE	FEMALE (SOLID)	FEMALE (BALL END)	SPLICERS	HEX NIPPLES
CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
M1				1M1M
M2				
M3	F33			1M2M
M4				
M5				
			BHS81	
M6				
M7	F36	SB55	BHS82	2M2M
M8				
M9	F38	SB57		2M3M
M11				
			BHS83	
M12				
M13	F40	SB58	BHS84	3M3M
M14	F41			3M4M
M16				
M17	F42		BHS85	4M4M
M19				
M22				6M6M



Three Way Sleeve Valves & Swivel Fittings

"FOST-AIR" THREE WAY SLEEVE VALVE



SLEEVE VALVE
CATALOG NO.

LOCKOUT
CATALOG NO.

1/8 NPT
1/4 NPT
3/8 NPT
1/2 NPT

3W125
3W250
3W375
3W500

LO250
LO375
LO500

FEATURES:

- Provides low cost ON-OFF-EXHAUST operation.
- Slide the sleeve to the ON position. Exhaust ports are closed, valve is open. Reversing the sleeve, opens exhaust ports, shuts off flow.
- Ports covered for protection against exhaust flow.

- Patented body detent secures sleeve position.
- Valve with lockout complies with OSHA Standard 29 CFR, Part 1910

WORKING PRESSURE:

- to 200 PSIG

TEMPERATURE:

- - 25° to +200°F

PERFORMANCE DATA

	Air Flow - CFM 10 PSIG Pressure Drop	
	100 PSIG	80 PSIG
1/8 NPT	16	14.5
1/4 NPT	40	36
3/8 NPT	65	59
1/2 NPT	140	127

Swivel

Free Swivel Under Pressure

90° SWIVEL



CAT. NO.

1/4 MPT X 1/4 FPT 25US90

MALE BARBED INSERT



CAT. NO.

1/4 MPT X 1/4 ID M7S
3/8 MPT X 3/8 ID M13S
1/2 MPT X 1/2 ID M17S

PUSH-ON SWIVEL



CAT. NO.

1/4 MPT X 1/4 ID PM7S
3/8 MPT X 3/8 ID PM13S
1/2 MPT X 1/2 ID PM17S

MALE TO FEMALE PIPE



CAT. NO.

1/4 MPT X 1/4 FPT 25US
3/8 MPT X 3/8 FPT 38US
1/2 MPT X 1/2 FPT 50US

360 Degree Universal Swivel, 1/4" NPT

360° SWIVEL



CAT. NO.

1/4 MPT X 1/4 FPT 25US36

BENEFITS

- Swivels 360 degrees in two independent planes
- Allows air hose to hang straight down when used with air tools
- Reduces operator fatigue
- Reduces the possibility of carpal tunnel syndrome
- Increases air hose life.

MAXIMUM WORKING PRESSURE

- 300 PSIG

MATERIALS OF CONSTRUCTION

- Body: Brass and plated steel
- Seals: Buna N

SPECIFICATIONS

- Pipe size: 1/4" NPT male x 1/4" NPT female

Full Size Layouts

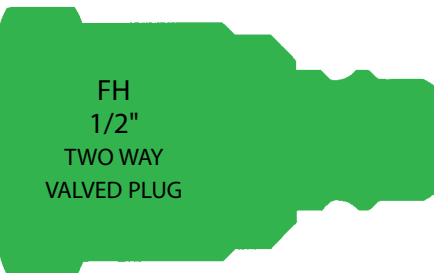
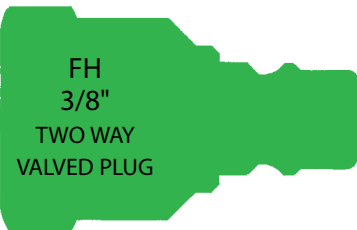
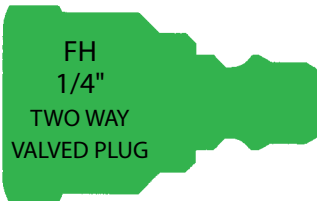
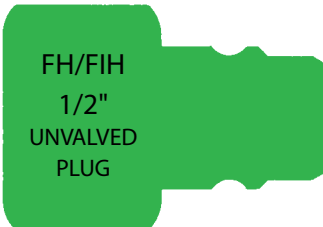
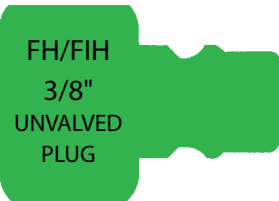
FHK, FH & FIH



FHK Series Full Size Plug Layouts



FH & FIH Series Full Size Plug Layouts

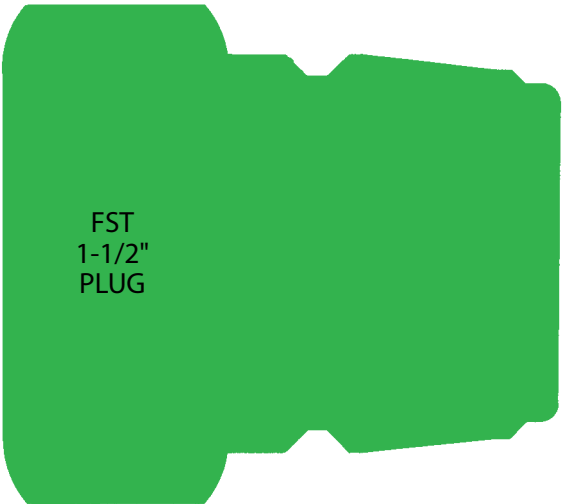
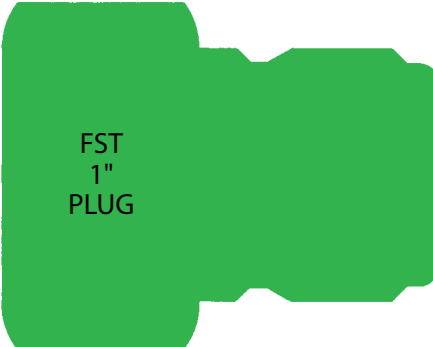




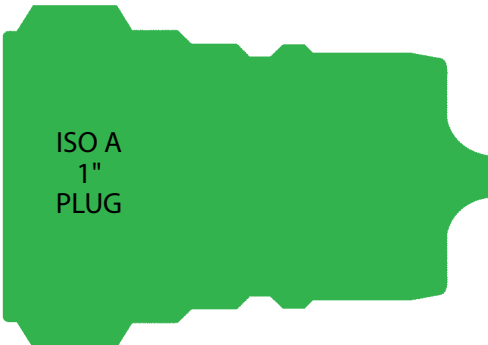
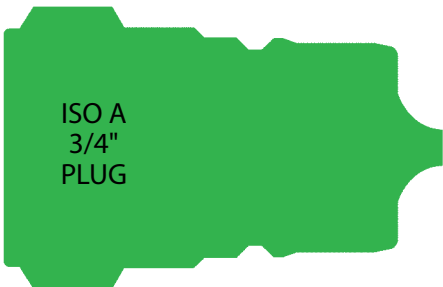
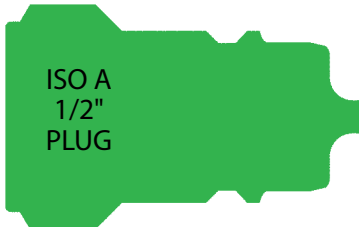
Full Size Layouts

FST & ISO A Series

FST Series Full Size Plug Layouts



ISO A Series Full Size Plug Layouts



Alpha-Numeric Product Listing



This index is a tabulation of standard part numbers contained within this catalog. Due to the wide variety of part numbers that can be configured using available options, not all possible part numbers are listed. Options can be ordered by adding a prefix or suffix to a standard catalog part number. These options include a variety of different seal compounds, material variations and functional features such as our "ball lock" or "sleeve lock." If you are trying to locate a part number that you suspect may have one of our optional features, look up the base or standard part number and refer to that page for further information.

Inclusion of a part number in this index or anywhere else in this catalog is not necessarily an indication that the part number is available from stock. Please consult with your local distributor for product availability.

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04-2	3	2L44	11	3L61G	11	5D7-S	25	14-3	4	48-4	5
1-2M	25	2L45	11	3M3M	26	5D9-S	25	14-3B	4	48-4B	5
1-3M	25	2L46	11	3M4M	26	5D11-S	25	14-3G	4	49-4	5
1AA	25	2L48	11	3R1805	11	5D13-S	25	14-3GB	4	50-5	6
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1AO	25	2LPB3	11	3R4015	11	6D9	25	15-3	4	50FPB	19
1AO-S	25	2LPB5	11	3R4905	11	6D11	25	16-3	4	50FPS	19
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1B9-S	25	2LPP15	11	3R5705	11	6P17MS	25	24-2	3	50US	27
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2324 W. Battlefield Rd.
Springfield, Missouri 65807-4098
Phone (417) 881-6600
Fax (417) 881-3645

www.couplers.com

