



# FJT Series

(Interchange with DME, Jiffy-Tite, Jiffy-Matic, Parker Moldmate)



## Specifications & Layouts FJT Series

Foster FJT Series couplers are designed to connect coolant lines to plastic molds and die casting 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.

**Type:** Straight-Thru, One Way or Two Way

**Interchangeability:** DME Jiffy-Tite and Jiffy-Matic and Parker Moldmate couplers

**Operation: Manual** – Socket sleeve must be manually retracted to connect and disconnect

### Options:

**Ball Lock (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.

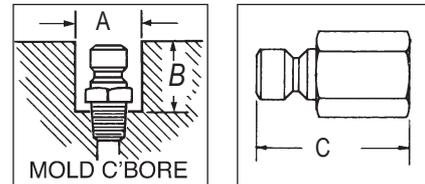
### Features:

- Precision leakproof seal
- Two piece construction on straight stem sockets
- Double knurl on socket sleeve for easier grip
- Sockets have six balls.

### Specifications:

**Temperature Range:** -65° to +425° F

**Rated Pressure:** 200 PSIG

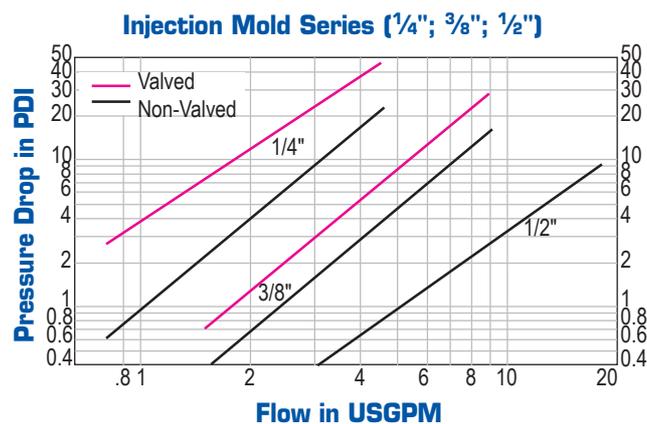


Cat. No.	NPT	A	B	C
FP251 (F)	1/8	.687	.687	1.000
FP252 (F)	1/4	.843	.937	1.278
FP352 (F)		1.00	1.092	1.450
FP253 (F)	3/8	1.00	.937	1.373
FP353 (F)		1.00	1.125	1.574
FP354	1/2	1.187	1.250	-
FP554 (F)		1.250	1.500	1.750
FP556 (F)	3/4	1.500	1.562	1.750

(F) – Suffix F for female pipe thread

PERFORMANCE DATA		FLOW
		Water – GPM 10 PSIG Pressure Drop
FJT 1/4	Straight-Thru	4.5
FJT 1/4 V	One Way (valved)	2.3
FJT 3/8	Straight-Thru	10.0
FJT 3/8 HF	High Flow	13.8
FJT 3/8 V	One Way (valved)	5.9
FJT 1/2	Straight-Thru	28.2

### Performance:



## Features:

1. Available with or without valves in the coupler. Non-valved couplers have minimum flow resistance for maximum cooling. Valved couplers shut off automatically upon disconnect. Valved couplers can be used with either valved or non-valved nipples.
2. Nipples are designed to be recessed below mold surfaces to provide more efficient storage of molds and prevent damage to the nipple.
3. Widest choice of end fittings available, including straight, 45° or 90° with standard hose barb or Push-Lok bars for easy installation.
4. Couplers and nipples are made of corrosion resistant steel and brass.

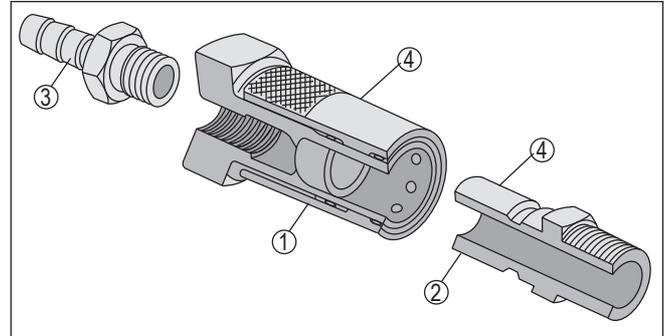
**Applications:** Injection Mold Series couplings are specifically designed for connecting coolant lines to molds and dies, on injection molding machinery in the plastics and die casting industries. Injection Mold Series couplings significantly reduce machine downtime by providing fast and easy connection of coolant lines during mold changes. Their short nipples can be recessed below the surface of the mold for more efficient storage of molds. Injection Mold Series couplers are available with or without valves in the female half. Non-valved couplers provide maximum flow for efficient cooling. Valved couplers shut off when disconnected.

**Selection Guidelines:** Injection Mold Series couplings are designed for a maximum working pressure of 200 PSI. Most thermoplastic and thermostat heat transfer systems have pumps which provide relatively high flow rates at relatively low pressures. Water and water glycol (anti-freeze) systems usually have capacities ranging from 10 to 40 gpm, with most from 10 to 15 gpm. Normal medial opening pressures are 20 to 60 PSI for these systems. Heat transfer systems using oil generally operate from 10 to 30 PSI. However, their flow rates are usually much higher, requiring the total volume of oil to be circulated at least once per minute.

The number of hose connections in a single mold system results in a cumulative pressure drop. Please note the Pressure Drop vs. Flow Rate chart provided, to select the appropriate size.

Temperature is another important consideration. Injection Mold Series couplings with their standard Silicone seal have a temperature capability of -65° to +425°F. Rapid deterioration of the seal and leaking may result if used beyond these limits.

External conditions of temperature, corrosive atmospheres, and other abnormalities may affect coupling performance and must be considered when selection is made consult factory with questions.



## 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
- Lengths available: 2.5" thru 13" Standard, Call factory for available lengths
- To Order: Add desired length to the end of the part number; i.e. FP251x2.5.



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## FJT 1/4" Series - Plugs

Female Thread		Part No.	FPT	Description
		FP251F	1/8"	Steel
		FP251FB		Brass
		FP252F	1/4"	Steel
		FP252FB		Brass
FP253F	3/8"	Steel		

Male Thread		Part No.	MPT	Description
		FP251	1/8"	Brass
		FP252	1/4"	
		FP252S	3/8"	Steel
FP253	Brass			

Male Extension Plug		Part No.	Pipe Size	Description
		FP251X	1/8"	Call with length, material, and thread requirements Lengths available: 2.5" - 13" To Order: Add length to part number: i.e. FP251x2.5
		FP252X	1/4"	
FP253X	3/8"			

## FJT 1/4" Series Straight Thru Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS204	1/4"	Brass
		BLFS204		Ball Lock, Brass
		FS205	5/16"	Brass
		BLFS205		Ball Lock, Brass
		FS206	3/8"	Brass
BLFS206	Ball Lock, Brass			

90° Hose Stem		Part No.	I.D.	Description
		FS214	1/4"	Brass
		BLFS214		Ball Lock, Brass
		FS215	5/16"	Brass
		BLFS215		Ball Lock, Brass
		FS216	3/8"	Brass
BLFS216	Ball Lock, Brass			

45° Hose Stem		Part No.	I.D.	Description
		FS224	1/4"	Brass
		BLFS224		Ball Lock, Brass
		FS225	5/16"	Brass
		BLFS225		Ball Lock, Brass
		FS226	3/8"	Brass
BLFS226	Ball Lock, Brass			

Socket w/o Stem		Part No.	FPT	Description
		FS200	1/8"	Brass
BLFS200	Ball Lock, Brass			

Straight Push-On Hose Stem		Part No.	I.D.	Description
		FS204P	1/4"	Brass
FS206P	3/8"			

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

90° Push-On Hose Stem		Part No.	I.D.	Description
		FS214P	1/4"	Brass
		BLFS214P		Ball Lock, Brass
		FS216P	3/8"	Brass
BLFS216P	Ball Lock, Brass			

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

45° Push-On Hose Stem		Part No.	I.D.	Description
		FS224P	1/4"	Brass
		BLFS224P		Ball Lock, Brass
		FS226P	3/8"	Brass
BLFS226P	Ball Lock, Brass			

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

See page 144 for full size templates



One Way Shut-off

Safety Vent Series

Non-Std. Interchange

Straight Through

Hydraulic Two Way Shut-off

Mold / Die

Hose Fittings & Accessories

ZSi Products

## FJT 1/4" Series One Way Valved Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS204V	1/4"	Brass
		BLFS204V		Ball Lock, Brass, Valved
		FS205V	5/16"	Brass
		BLFS205V		Ball Lock, Brass, Valved
		FS206V	3/8"	Brass
BLFS206V	Ball Lock, Brass, Valved			

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

Straight Push-On Hose Stem		Part No.	Body x I.D.	Description
		FS204VP	1/4" x 1/4"	Brass
		BLFS204VP	1/4" x 1/4"	Ball Lock, Brass, Valved
FS206VP	1/4" x 3/8"	Brass		

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

90° Hose Stem		Part No.	I.D.	Description
		FS214V	1/4"	Brass
		BLFS214V		Ball Lock, Brass
		FS215V	5/16"	Brass
		BLFS215V		Ball Lock, Brass
		FS216V	3/8"	Brass
BLFS216V	Ball Lock, Brass			

90° Push-On Hose Stem		Part No.	Body x I.D.	Description
		FS214VP	1/4"	Brass
		BLFS214VP		Ball Lock, Brass
		FS216VP	3/8"	Brass
		BLFS216VP		Ball Lock, Brass

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

45° Hose Stem		Part No.	I.D.	Description
		FS224V	1/4"	Brass
		BLFS224V		Ball Lock, Brass
		FS225V	5/16"	Brass
		BLFS225V		Ball Lock, Brass
		FS226V	3/8"	Brass
BLFS226V	Ball Lock, Brass			

45° Push-On Hose Stem		Part No.	Body x I.D.	Description
		FS224VP	1/4" x 1/4"	Brass
		BLFS224VP	1/4" x 1/4"	Ball Lock, Brass, Valved
		FS226VP	1/4" x 3/8"	Brass
		BLFS226VP	1/4" x 3/8"	Ball Lock, Brass, Valved

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

Socket w/o Stem		Part No.	FPT	Description
		FS200V	1/8"	Brass Valved
BLFS200V	Ball Lock, Brass			

## FJT 3/8" Series - Plugs

Female Thread		Part No.	FPT	Description
		FP352F	1/4"	Steel
		FP352FB		Brass
		FP353F	3/8"	Steel
FP353FB	Brass			

Male Thread		Part No.	MPT	Description
		FP351	1/8"	Brass
		FP352	1/4"	Brass
		FP352S		Steel
		FP353	3/8"	Brass
		FP353V		Brass, Valved Plug, for Two Way sockets
FP354	1/2"	Brass		

Male Extension Plug		Part No.	Pipe Size	Description
		FP352X	1/4"	Call with length, material, and thread requirements Lengths available: 2.5" - 13" To Order: Add length to part number: i.e. FP251x2.5
		FP353X	3/8"	
		FP354X	1/2"	

Non-Standard Product     Standard Product

See page 144 for full size templates



# FJT Series

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## FJT 3/8" Series Straight Thru Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS306	3/8"	Brass
		BLFS306		Ball Lock, Brass
		FS308	1/2"	Brass
BLFS308	Ball Lock, Brass			

90° Hose Stem		Part No.	I.D.	Description
		FS316	3/8"	Brass
		BLFS316		Ball Lock, Brass
		FS318	1/2"	Brass
BLFS318	Ball Lock, Brass			

45° Hose Stem		Part No.	I.D.	Description
		FS326	3/8"	Brass
		BLFS326		Ball Lock, Brass
		FS328	1/2"	Brass
BLFS328	Ball Lock, Brass			

Socket w/o Stem		Part No.	FPT	Description
		FS300	1/4"	Brass
		BLFS300	1/4"	Ball Lock, Brass

Straight Push-On Hose Stem		Part No.	I.D.	Description
		FS306P	3/8"	Brass
		BLFS306P		Ball Lock, Brass
		FS308P	1/2"	Brass
BLFS308P	Ball Lock, Brass			

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

90° Push-On Hose Stem		Part No.	I.D.	Description
		FS316P	3/8"	Brass
		BLFS316P		Ball Lock, Brass
		FS318P	1/2"	Brass
BLFS318P	Ball Lock, Brass			

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

45° Push-On Hose Stem		Part No.	I.D.	Description
		FS326P	3/8"	Brass
		BLFS326P		Ball Lock, Brass
		FS328P	1/2"	Brass
BLFS328P	Ball Lock, Brass			

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

## FJT 3/8" Series One Way Valved Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS306V	3/8"	Brass
		BLFS306V		Ball Lock, Brass
		FS308V	1/2"	Brass
BLFS308V	Ball Lock, Brass			

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

Straight Push-On Stem		Part No.	I.D.	Description
		FS306VP	3/8"	Brass
		BLFS306VP		Ball Lock, Brass
		FS308VP	1/2"	Brass
BLFS308VP	Ball Lock, Brass			

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

90° Hose Stem		Part No.	I.D.	Description
		FS316V	3/8"	Brass
		BLFS316V		Ball Lock, Brass, Valved
		FS318V	1/2"	Brass
BLFS318V	Ball Lock, Brass, Valved			

90° Push-On Hose Stem		Part No.	Body x I.D.	Description
		FS316P	3/8" x 3/8"	Brass
		BLFS216P	1/4" x 3/8"	Ball Lock, Brass
		FS318P	3/8" x 1/2"	Brass
		BLFS316P	3/8" x 3/8"	Ball Lock, Brass
BLFS516P	1/2" x 3/8"	Ball Lock, Brass		

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

45° Hose Stem		Part No.	I.D.	Description
		FS326V	3/8"	Brass
		BLFS326V		Ball Lock, Brass, Valved
		FS328V	1/2"	Brass
BLFS328V	Ball Lock, Brass, Valved			

45° Push-On Hose Stem		Part No.	Body x I.D.	Description
		FS326VP	3/8"	Brass
		BLFS326VP		Ball Lock, Brass, Valved
		FS328VP	1/2"	Brass
		BLFS328VP		Ball Lock, Brass, Valved

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

Non-Standard Product     Standard Product

## FJT 3/8" Series Two Way (Valved) Sockets

Straight Hose Stem		Part No.	Body x I.D.	Description
		FS306V2	3/8"	Brass
		BLFS306V2		Ball Lock, Brass
		FS308V2	1/2"	Brass
BLFS308V2	Ball Lock, Brass			

90° Hose Stem		Part No.	I.D.	Description
		FS316V2	3/8"	Brass
		BLFS316V2	3/8"	Ball Lock, Brass, Two Way Valved
		FS318V2	1/2"	Brass
BLFS318V2	1/2"	Ball Lock, Brass, Two Way Valved		

45° Hose Stem		Part No.	I.D.	Description
		FS326V2	3/8"	Brass
		BLFS326V2		Ball Lock, Brass, Two Way Valved
		FS328V2	1/2"	Brass
BLFS328V2	Ball Lock, Brass, Two Way Valved			

Socket w/o Hose Stem		Part No.	FPT	Description
		FS300V2	1/4"	Brass
BLFS300V2	1/4"	Ball Lock, Brass,		

Straight Push-On Hose Stem		Part No.	I.D.	Description
		FS306VP2	3/8"	Brass
		BLFS306VP2		Ball Lock, Brass, Two Way Valved
		FS308VP2	1/2"	Brass
BLFS308VP2	Ball Lock, Brass, Two Way Valved			

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

90° Push-On Hose Stem		Part No.	I.D.	Description
		FS316VP2	3/8"	Brass
		BLFS316VP2		Ball Lock, Brass, Two Way Valved
		FS318VP2	1/2"	Brass, Two Way Valved
BLFS318VP2	Ball Lock, Brass, Two Way Valved			

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

45° Push-On Stem		Part No.	I.D.	Description
		FS326VP2	3/8"	Brass
		BLFS326VP2		Ball Lock, Brass, Two Way Valved
		FS328VP2	1/2"	Brass
BLFS328VP2	Ball Lock, Brass, Two Way Valved			

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

## FJT 3/8" Series High Flow Straight-Thru Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS308HF	1/2" 1/2"	Brass
BLFS308HF	Ball Lock, Brass			

90° Hose Stem		Part No.	I.D.	Description
		FS318HF	1/2"	Brass
BLFS318HF	Ball Lock, Brass			

Socket w/o Hose Stem		Part No.	FPT	Description
		FS300HF	3/8"	Brass High Flow
BLFS300HF	Ball Lock, Brass, High Flow			

Straight Push-On Hose Stem		Part No.	I.D.	Description
		FS308HFP	1/2"	Brass High Flow
BLFS308HFP	Ball Lock, Brass, High Flow			

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

90° Push-On Hose Stem		Part No.	I.D.	Description
		FS318HFP	1/2"	Brass High Flow
BLFS318HFP	Ball Lock, Brass, High Flow			

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

Non-Standard Product     Standard Product



# FJT Series

(Interchange with DME, Jiffy-Tite, Jiffy-Matic, Parker Moldmate)



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## FJT 1/2" Series - Plugs

Female Thread		Part No.	FPT	Description
		FP554F	1/2"	Steel
		FP556F	3/4"	

Male Thread		Part No.	MPT	Description
		FP554	1/2"	Brass
		FP556	3/4"	

Male Extension Plug		Part No.	Pipe Size	Description
		FP554X	1/2"	Call with length, material, and thread requirements Lengths available: 2.5" - 13" To Order: Add length to part number: i.e. FP251x2.5

## FJT 1/2" Series Straight-Thru Sockets

Straight Hose Stem		Part No.	I.D.	Description
		FS504	1/2"	Brass
		BLFS504		Ball Lock, Brass
		FS506	3/4"	Brass
BLFS506	Ball Lock, Brass			

Straight Push-On Hose Stem		Part No.	I.D.	Description
		FS504P	1/2"	Brass
		BLFS504P		Ball Lock, Brass
		FS506P	3/4"	Brass
BLFS506P	Ball Lock, Brass			

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

90° Hose Stem		Part No.	I.D.	Description
		FS514	1/2"	Brass
		BLFS514	1/2"	Ball Lock, Brass
		FS516	3/4"	Brass
BLFS516	3/4"	Ball Lock, Brass		

90° Push-On Hose Stem		Part No.	I.D.	Description
		FS514P	1/2"	Brass
		BLFS514P		Ball Lock, Brass
		FS516P	3/4"	Brass
BLFS516P	Ball Lock, Brass			

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

45° Hose Stem		Part No.	I.D.	Description
		FS524	1/2"	Brass
		BLFS524	1/2"	Ball Lock, Brass
		FS526	3/4"	Brass
BLFS526	3/4"	Ball Lock, Brass		

45° Push-On Hose Stem		Part No.	I.D.	Description
		FS524P	1/2"	Brass
		BLFS524P		Ball Lock, Brass
		FS526P	3/4"	Brass
BLFS526P	Ball Lock, Brass			

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

Socket w/o Hose Stem		Part No.	FTP	Description
		FS500	1/2"	Brass
		BLFS500		Ball Lock, Brass

See page 144 for full size templates