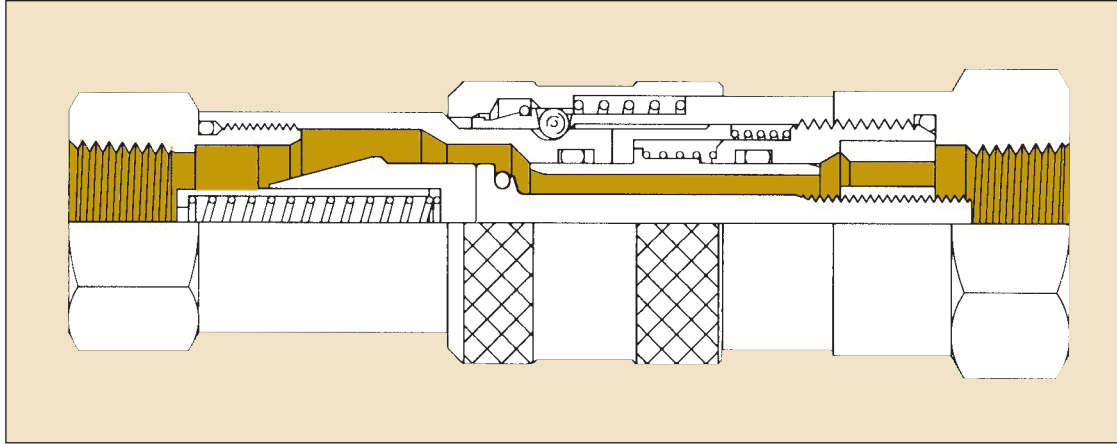


# FLUSH FACE

## Double Shut-Off Quick-Couplers

### TOMCO Series FE

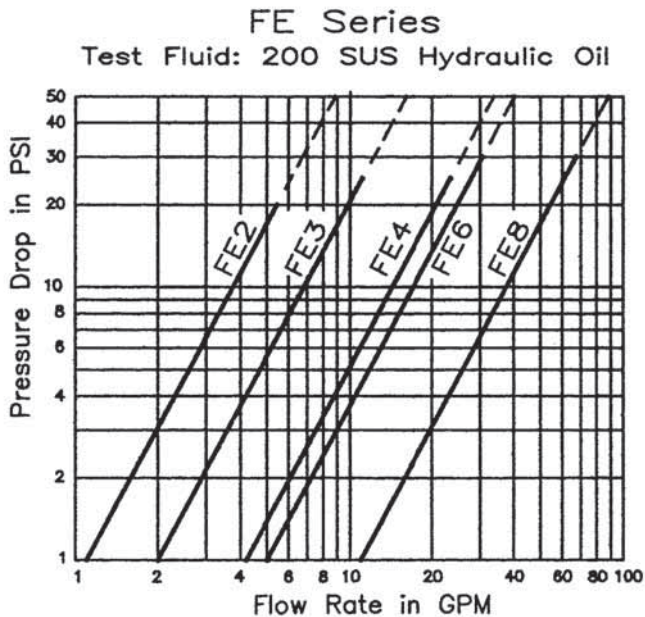


Tomco's FE Series, new generation of flush face couplers avoids many of the problems frequently experienced with other manufacturers' models of this type. The engineered coupler face-guide avoids annoying plug slip-off greatly simplifying coupling hook-up. These advanced flush face quick connects are especially useful with hydraulic hand tools and cylinders, construction equipment, mining and earth moving equipment as well as utilities' field equipment.

**FE SERIES** is an INTERNATIONAL interchange design intended for hydraulic service where fluid loss is undesirable. Available sizes 1/4" through 1", the Tomco **FE SERIES** is constructed of high strength anti-corrosion materials throughout. Steel components are hardened at all wear points and are heavily plated for extra corrosion resistance assuring longer useful service life. All standard seals are nitrile. The FE3 size conforms to all performance and dimensional requirements of ANSI/HTMA.

#### SERIES FE FLOW RATE

#### PERFORMANCE SPECIFICATIONS



	FE2		FE3		FE4		FE6		FE8	
	Operating	Burst	Operating	Burst	Operating	Burst	Operating	Burst	Operating	Burst
COUPLED	4,000	15,000	3,000	12,000	3,000	12,000	3,000	22,000	3,000	19,000
PLUG	4,000	11,500	3,000	12,000	3,000	12,000	3,000	11,000	3,000	11,000
COUPLER	4,000	7,000	3,000	12,000	3,000	12,000	3,000	6,250	3,000	7,250
RATED FLOW	5 GPM @ 20PSI ΔP		10 GPM @ 25PSI ΔP		21 GPM @ 25PSI ΔP		27 GPM @ 30PSI ΔP		55 GPM @ 30PSI ΔP	
SPILLAGE PER DISCONNECT	.015 ML		.015 ML		.020 ML		.150 ML		.200 ML	
INCLUSION PER CONNECT	.020 ML		.020 ML		.070 ML		.100 ML		.100 ML	

#### DUST CAPS (PLASTIC)



TOMCO dust caps prevent contamination of disconnected fluid system. They prevent the introduction of dirt, grit, and other contaminants into the system through the series FE components.

BODY SIZE	CAP FOR PLUG	CAP FOR COUPLER
3/8"	FP3DC	5606DSC

# TOMCO DOUBLE SHUT-OFF FLUSH FACE

## SERIES FE

INTERNATIONAL INTERCHANGE ISO 16028

**Working Range:**  
See performance rating chart and  
flow graph. **page 14**

**Temperature:** -40° to +225° F



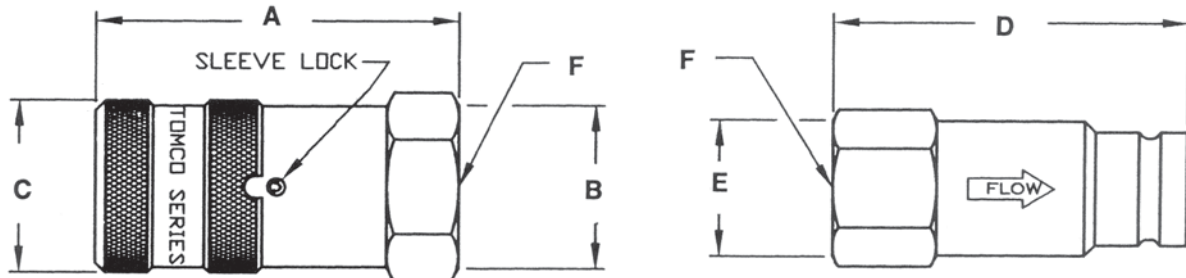
PLUG



AUTOMATIC COUPLER

FE2	Basic Size INCH ISO/MM	Female Thread	Plug Catalog No.	Coupler Catalog No.
	1/4" 6.3 MM	1/4" NPTF	EP2-16	EC2-16
<b>FE3</b>				
	3/8" 10 MM (HTMA)	3/4"-16 UNF (ORB) 3/8" NPTF 1/2" NPTF	EP3-8 EP3-21 EP3-26	EC3-8 EC3-21 EC3-26
<b>FE4</b>				
	1/2" 12.5MM	1-1/16"-12UN (ORB) 1/2" NPTF 3/4" NPTF	EP4-12 EP4-26 EP4-31	EC4-12 EC4-26 EC4-31
<b>FE6</b>				
	3/4" 16 MM	3/4" NPTF	EP6-31	EC6-31
<b>FE8</b>				
	1" 19MM	1" NPTF	EP8-36	EC8-36

Contact factory for specifications and drawings.



COUPLER NO.	A OAL	B HEX	C DIA.	PLUG NO.	D OAL	E HEX	F THD
EC2-16	1.90	7/8" HEX	1.11	EP2-16	1.90	7/8" HEX	1/4" NPT
EC3-8	2.73	1-1/8" HEX	1.20	EP3-8	2.75	1-1/16" HEX	3/4"-16 UNF
EC3-21	2.53	1-1/8" HEX	1.20	EP3-21	2.56	15/16" HEX	3/8" NPT
EC3-26	2.92	1-1/8" HEX	1.20	EP3-26	2.88	1-1/8" HEX	1/2" NPT
EC4-12	3.44	1-3/8" HEX	1.53	EP4-12	3.13	1-3/8" HEX	1-1/16"-12 UN
EC4-26	3.19	1-3/8" HEX	1.53	EP4-26	2.88	1-1/4" HEX	1/2" NPT
EC4-31	3.31	1-3/8" HEX	1.53	EP4-31	3.00	1 3/8" HEX	3/4" NPT
EC6-31	3.20	1-25/32" HEX	1.65	EP6-31	2.78	1-25/32" HEX	3/4" NPT
EC8-36	3.67	1-13/16" HEX	1.90	EP8-36	3.25	1-13/16" HEX	1" NPT

# TOMCO DOUBLE SHUT-OFF FLUSH FACE

3/8" BASIC SIZE

**Series FF Working Range:**  
Maximum Operating Pressure:  
10,000 psig.  
(Burst pressure: 30,000 psig)  
**Rated Flow Capacity:** 10 GPM  
**Temperature Range:** -40° to  
+225°F  
Both plug and coupler must be  
Tomco Products Series FF.



PLUG



AUTOMATIC COUPLER

## SERIES FF

WORKING PRESSURE: 10,000 PSI

SERIES FF is a 10,000 PSI working pressure design intended for high pressure hydraulic cylinder service. This rugged design is manufactured of high strength hardened and tempered alloy steel components. Dimensional and flow specifications are the same as Series FE3. For data and flow graph see pg. 14.

Female Thread	Plug Catalog No.	Coupler Catalog No.
3/8" NPTF	FP3-21	FC3-21
1/2" NPTF	FP3-26	FC3-26

**Series FS Working Range:**  
Maximum Operating Pressure:  
2,000 psig.  
(Burst pressure: 12,000 psig)  
**Rated Flow Capacity:** 10 GPM  
**Temperature Range:** -15° to  
+400°F (With std. Viton seals)  
Both plug and coupler must be  
Tomco Products Series FS.

## SERIES FS

316 STAINLESS STEEL: 2,000 PSI



PLUG



AUTOMATIC COUPLER

### DUST CAPS (PLASTIC)



CAP

TOMCO dust caps prevent contamination of disconnected fluid system. They prevent the introduction of dirt, grit, and other contaminants into the system through the Series FF components.

BODY SIZE	CAP FOR PLUG	CAP FOR COUPLER
3/8"	FP3DC	5606DC

SERIES FS is all 316 stainless steel construction with standard Viton seals and is rated for pressures up to 2,000 PSI. This high flow corrosion resistant design is ideal for those chemical process and fluid transfer applications where spillage is undesirable. Sleeve locks and carbide locking balls are available as options, as well as a wide assortment of seal materials including Kalrez.

Female Thread	Plug Catalog No.	Coupler Catalog No.
3/8" NPTF	FP3-21-316	FC3-21-316