



# Hydraulic and Pneumatic Quick Couplers and Accessories



**QUALITY · VALUE · SELECTION**

# Presenting Tomco Products



Tomco Products' headquarters in Spartanburg, SC



**40 Years of  
Manufacturing  
Excellence**

TOMCO Products is now approaching its fourth decade of manufacturing Quick Connect Couplers for increasingly complex hydraulic, pneumatic and instrumentation applications.



Tomco Products' broad machining capability is the reason for a superior on-time shipping record and excellent customer service.



Tomco Products' efficient and highly automated final assembly, quality control and shipping areas. After manufacturing, products are assembled here, tested and shipped with confidence.



## Pneumatic Couplings, Fittings and Accessories Page

### Single Shut-Off Couplings

TOMCO offers a wide selection of premium quality pneumatic couplings that interchange with other popular coupler brands.

#### Basic

Size	Series	Interchange	Page
1/8"	SC	RECTUS 21	2
1/4"	Universal	ARO, Parker (Tru-flate), Industrial	2
1/4"	U2	ARO, Tru-flate Ind.	3
3/8"	U3	Un. Safety Coupler	3
1/4"	100 & A100	ARO 210, Industrial	4
1/4"	180, M180, A180	Industrial, MIL-C-4109	5
1/4"	2100 & A2100	Parker (Tru-flate)	6
1/4"	1100	Lincoln	7
1/4"	TL	Schrader	7
3/8"	T4000, T400 & PT 400	Industrial	8
3/8"	PT 400 & T500	Parker (Tru-flate)	9
1/2"	T500	Parker (Tru-flate)	9
1/2"	T5000, T500	MIL-C-4109	10

## Hose Fittings, Hose Splice, Male and Female Stems, and Reusable Fittings 11

### "Slim-Flow" Quick Connect, Series 3400, 3600 & 3800 34

This precision line of couplers is ideally suited for instrumentation and chemical processing applications.

## Blow Guns and Accessories 13

## Slide Valves 12

## Check Valves 12

## Safety Relief Valves, Series 1780 36

For air compressor storage tanks.

## Pressure Relief Valves, Series 1776K 37

Developed for electrical distribution transformers.

## Hydraulic/Fluid Couplers, Fittings and Accessories

## Straight Through/Full Flow Couplers, Series ST 30

## Double Shut-Off Couplers

Series	Interchange	Page
PC	Pioneer	25
CD	Pioneer Interchange with Double Acting Sleeve	27
CU	Pioneer Interchange Couple Under Pressure	27
A5100	Thread-to-Connect <i>Couple-under-pressure couplings ideally suited for mining, bulk hauling, oil field, construction or other applications where connections must be made with trapped line pressure.</i>	22
JC	Thread-to-Connect <i>10,000 PSI, designed for hydraulic ram service</i>	24
A5600	General Purpose ISO "A" <i>Two-way coupler for mobile hydraulic equipment.</i>	20
THK	Industrial Interchange ISO "B" <i>Two-way coupler for general industrial hydraulic applications.</i>	17
THK 12	High Flow <i>1-1/2" basic size for high volume fluid transfer applications such as return lines.</i>	19
FE	Flush Face International Interchange <i>Minimum spill flat face couplers ideally suited for mobile hydraulic equipment.</i>	14
FF	Flush Face, High Pressure <i>Similar to Series FE but with working pressure ratings up to 10, 000 psi.</i>	14
FS	Flush Face, Stainless Steel <i>316 stainless steel construction is ideal for highly corrosive environments.</i>	16
DK	6,000 PSI Designed for diagnostic equipment, interchangeable with Parker PD Series.	28

## Mold Coolant-Line Quick Couplers

These brass couplings have been especially developed for quick connection and disconnection of fluid lines on plastic injection molds.

Series	Interchange
MC200, 300 & 500	D-M-E, Parker, Foster

## Garden Hose Couplings, Series GH

*Professional garden hose couplers for specialty markets*

## Product Information

Safety Guide	38
Warranty, Terms and Conditions	40
Seal Material Compatibility	39
Plug Profile Selection Guide	41

# TOMCO Pneumatic SINGLE SHUT-OFF

1/4" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 150 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**

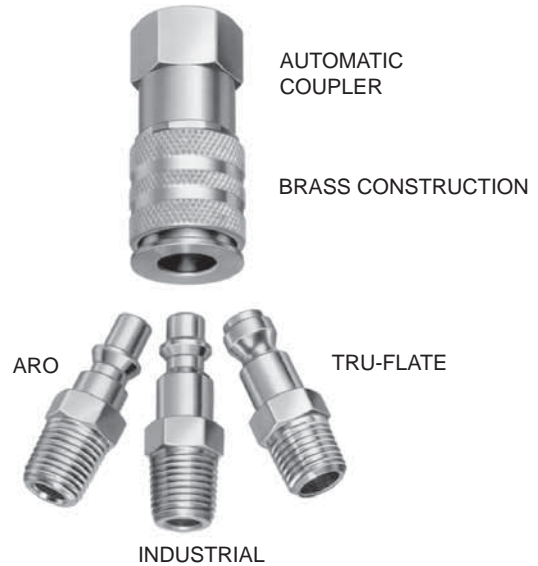
Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm

FEMALE THREAD	Catalog No.
1/4" NPSF	UC2-16

MALE THREAD	Catalog No.
1/4" NPT	UC2-15
3/8" NPTF	UC2-20

## UNIVERSAL SERIES

ARO, TRU-FLATE, INDUSTRIAL INTERCHANGE



# TOMCO Pneumatic SINGLE SHUT-OFF OR STRAIGHT THROUGH

1/8" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	16 scfm	23 scfm

## SERIES SC

RECTUS SERIES 21 INTERCHANGE

MAX ACROSS FLATS ONLY 5/8"



FEMALE THREAD	Catalog No.	Catalog No.
1/8" NPTF 1/4" NPTF	<u>STEEL</u>	<u>BRASS</u> (valved)
	SCP-11	SCC-11B
	SCP-16	<u>BRASS</u> (Straight Through)
		SCC-11BLV
		SCC-16B
		SCC-16BLV

MALE THREAD	Catalog No.	Catalog No.
1/8" NPTF 1/4" NPTF	<u>STEEL</u>	<u>BRASS</u> (valved)
	SCP-10	SCC-10B
	SCP-15	<u>BRASS</u> (Straight Through)
		SCC-10BLV
		SCC-15B
		SCC-15BLV

# TOMCO Universal Safety Couplers 1/4" BODY SIZE

Automatic exhausting air couplers with universal multiple interchange features.

**Features:**

**TOMCO UNIVERSAL SAFETY COUPLERS** are exhaust type couplers designed to exhaust air pressure prior to disconnection. This allows for coupling and uncoupling at zero pressure which greatly reduces the force required to couple and uncouple and minimizes the possibility of hose whip. The black sleeve acts as an integral shut-off valve which exhausts down stream air and includes a mechanical sleeve lock to prevent accidental disconnect when the air flow is opened. The proven six ball locking system resists wear and provides positive connection.

**U2 Working Range:**

Maximum Operating Pressure;  
To 200 psig

Temperature: -20° to +200° F

**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm

FEMALE THREAD	Catalog No.
1/4" NPSF	U2-16
MALE THREAD	Catalog No.
1/4" NPTF	U2-15
HOSE STEM	Catalog No.
1/4" Hose I.D.	U2-17
3/8" Hose I.D.	U2-22

**U3 Working Range:**

Maximum Operating Pressure;  
To 200 psig

Temperature: -20° to +200° F

**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	45 scfm	60 scfm

**3/8" BODY SIZE**

FEMALE THREAD	Catalog No.
3/8" NPSF	U3-21

**Interchanges with:**

1. 3/8" Industrial interchange
2. 3/8" ARO 310
3. Parker Truflate 10 Series 3/8"

## SERIES U2

### UNIVERSAL SAFETY COUPLER

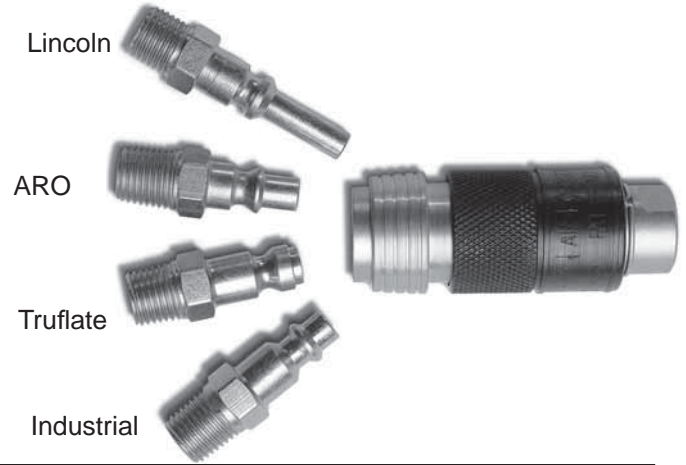
**Tomco U2 couplers provide a universal 4 way interchange** combined with push-to-connect exhaust style action. **The U3, 3/8 coupler is a universal 3 way interchange.**

To couple, push the plug into the coupler. The gold locking sleeve automatically locks the plug in place. The black valve sleeve is then slid to open air flow and automatically engage the sleeve lock. To disconnect, slide the black sleeve back to shut off air flow and exhaust downstream air. Then retract the gold sleeve to disconnect.

Construction: Anodized aluminum with nitrile seals.

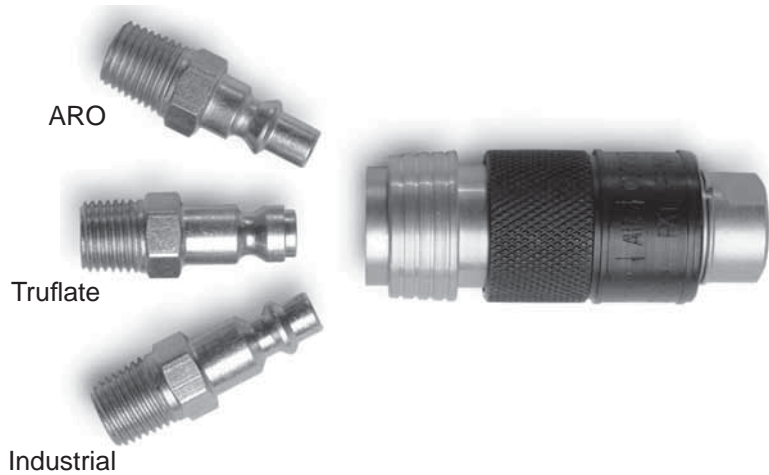
**Interchanges with:**

1. 1/4" Industrial interchange
2. 1/4" ARO 210
3. Parker Truflate 10 Series 1/4"
4. Lincoln



## SERIES U3

### UNIVERSAL SAFETY COUPLER



# TOMCO Pneumatic SINGLE SHUT-OFF

1/4" BASIC SIZE

## SERIES 100 & A100

ARO 210 INTERCHANGE

**Working Range:**

Maximum Operating Pressure:  
To 250 psig

Temperature: -40° to +225° F

**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm



PLUG



AUTOMATIC COUPLER



High Performance Manual Coupler  
With 6 Locking Balls



AIRMATE I.D.

No rings on  
face=ARO  
Interchange

FEMALE THREAD	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	302	103	A103
1/4" NPTF	300	100	A100
3/8" NPTF	-	106	A106
<b>MALE THREAD</b>			
1/8" NPTF	202	102	A102
1/4" NPTF	200	101	A101
3/8" NPTF	-	107	A107
<b>HOSE STEM</b>			
1/4" HOSE I.D.	400	104	A104
5/16" HOSE I.D.	506	108	A108
3/8" HOSE I.D.	500	105	A105
<b>REUSABLE HOSE CLAMP</b>			
HOSE I.D. X HOSE O.D.			
1/4" X 1/2"		B3-100	AB3-100
1/4" X 9/16"		B5-100	AB5-100
1/4" X 5/8"		B7-100	AB7-100
1/4" X 11/16"		B9-100	AB9-100
1/4" X 3/4"		B11-100	AB11-100
5/16" X 9/16"		C5-100	AC5-100
5/16" X 5/8"		C7-100	AC7-100
5/16" X 11/16"		C9-100	AC9-100
3/8" X 5/8"		D7-100	AD7-100
3/8" X 11/16"		D9-100	AD9-100
3/8" X 3/4"		D11-100	AD11-100
3/8" X 13/16"		D13-100	AD13-100
3/8" X 7/8"		D15-100	AD15-100

# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES 180, M180, A180

### INDUSTRIAL INTERCHANGE

1/4" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	26 scfm	37 scfm



PLUG



MIL-C-4109  
AUTOMATIC COUPLER



MANUAL COUPLER



High Performance Manual  
Coupler With 6 Locking Balls



AIRMATE I.D.  
2 rings  
on face=  
Industrial  
Interchange

FEMALE THREAD	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	1803	183*	M183*	A183
1/4" NPTF	1805*†•	184*†	M184*†•	A184
3/8" NPTF	1807*	185*	M185*	A185

MALE THREAD	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	1802	180	M180	A180
1/4" NPTF	1804*†•	181*†	M181*†•	A181
3/8" NPTF	1806	182*	M182*	A182

HOSE STEM	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/4" HOSE I.D.	1824	186*	M186	A186
5/16" HOSE I.D.	1827	188	M188	A188
3/8" HOSE I.D.	1826	187*	M187	A187
1/4" HOSE I.D. (Push-On)	1850	189	M189	A189
3/8" HOSE I.D. (Push-On)	1860	190	M190	A190

REUSABLE HOSE CLAMP	Catalog No.	Catalog No.	Catalog No.
HOSE I.D. X HOSE O.D.			
1/4" X 1/2"	TB3-1	B3-1	MB3-1
1/4" X 9/16"	TB5-1	B5-1	MB5-1
1/4" X 5/8"	TB7-1•	B7-1	MB7-1•
1/4" X 11/16"	TB9-1	B9-1	MB9-1
1/4" X 3/4"	TB11-1	B11-1	MB11-1
5/16" X 9/16"	-	C5-1	MC5-1
5/16" X 5/8"	-	C7-1	MC7-1
5/16" X 11/16"	-	C9-1	MC9-1
3/8" X 5/8"	TD7-1	D7-1	MD7-1
3/8" X 11/16"	TD9-1	D9-1	MD9-1
3/8" X 3/4"	TD11-1	D11-1	MD11-1
3/8" X 13/16"	TD13-1	D13-1	MD13-1
3/8" X 7/8"	TD15-1	D15-1	MD15-1

Sleeve lock option available on above couplers  
(except AirMate). See details in TOMCO Price List.

\* Available in Brass...refer to current price list.

• Available in Stainless. - Suffix 303

† Available with British parallel pipe thread. - Suffix BS

# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES 2100 & A2100

PARKER (TRU-FLATE) INTERCHANGE

1/4" BASIC SIZE

**Working Range:**

Maximum Operating Pressure;  
To 250 psig

**Temperature:** -40° to +225° F

**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm



PLUG



AUTOMATIC COUPLER



High Performance Manual Coupler  
With 6 Locking Balls



AIRMATE I.D.

One ring  
face=Truflate  
Interchange

FEMALE THREAD	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	2153	2183	A2183
1/4" NPTF	2155	2184	A2184
3/8" NPTF	2157	2185	A2185

MALE THREAD	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	2152	2180	A2180
1/4" NPTF	2154*	2181	A2181
3/8" NPTF	2156	2182	A2182

HOSE STEM	Catalog No.	Catalog No.	Catalog No.
1/4" HOSE I.D.	2164	2186	A2186
5/16" HOSE I.D.	-	2187	A2187
3/8" HOSE I.D.	2166	2188	A2188
1/4" HOSE I.D. (Push On)	2150	2189	A2189
3/8" HOSE I.D. (Push On)	2160	2190	A2190

REUSABLE HOSE CLAMP	Catalog No.	Catalog No.
HOSE I.D. X HOSE O.D.		
1/4" X 1/2"	B3-2100	
1/4" X 9/16"	B5-2100	
1/4" X 5/8"	B7-2100	
1/4" X 11/16"	B9-2100	
1/4" X 3/4"	B11-2100	
5/16" X 9/16"	C5-2100	
5/16" X 5/8"	C7-2100	
5/16" X 11/16"	C9-2100	
3/8" X 5/8"	D7-2100	
3/8" X 11/16"	D9-2100	
3/8" X 3/4"	D11-2100	
3/8" X 13/16"	D13-2100	
3/8" X 7/8"	D15-2100	



# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES 1100

LINCOLN INTERCHANGE

1/4" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	23 scfm	32 scfm



PLUG



AUTOMATIC COUPLER

FEMALE THREAD	Catalog No.		Catalog No.	
1/4" NPT	1110		1100	
<b>MALE THREAD</b>				
1/8" NPT	1106		1102	
1/4" NPT	1109		1101	

FOR STANDARD COUPLING MATERIALS, SEE PAGE 40.

# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES TL

SCHRADER INTERCHANGE

PUSH TO CONNECT - TWIST SLEEVE TO DISCONNECT

1/4" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	25 scfm	34 scfm



PLUG



AUTOMATIC COUPLER

FEMALE THREAD	Catalog No.		Catalog No.	
1/4" NPTF	TLP-16		TLC-16	
<b>MALE THREAD</b>				
1/4" NPTF	TLP-15		TLC-15	
3/8" NPTF	-		TLC-20	

# TOMCO Pneumatic SINGLE SHUT-OFF

**SERIES T4000, T400, PT400**

**INDUSTRIAL INTERCHANGE**

## 3/8" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**  
Inlet      5 psig    10 psig  
100 scfm   49 scfm   67 scfm



PLUG



AUTOMATIC COUPLER



MANUAL COUPLER



MANUAL COUPLER

FEMALE THREAD	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/4" NPTF	T41	T4000	T400	PT400
3/8" NPTF	T43	T4200	T420	PT420
1/2" NPTF	T45	T4400	T440	PT440

MALE THREAD	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/8" NPTF	T38	-	-	-
1/4" NPTF	T40	T4100	T410	PT410
3/8" NPTF	T42	T4300	T430	PT430
1/2" NPTF	T44	T4500	T450	PT450

HOSE STEM	Catalog No.	Catalog No.	Catalog No.	Catalog No.
1/4" HOSE I.D.	T46	T4600	T460	PT460
5/16" HOSE I.D.	T47	-	-	-
3/8" HOSE I.D.	T48	T4800	T480	PT480
1/2" HOSE I.D.	T49	T4900	T490	PT490
3/8" HOSE I.D. (Push-On)	T48P	T4800F	T480P	PT480P

REUSABLE HOSE CLAMP	Catalog No.	Catalog No.	Catalog No.	Catalog No.
HOSE I.D. X HOSE O.D.				
5/16" X 9/16"	TC5-4	C5-4	C5-40	PC5-40
5/16" X 5/8"	TC7-4	C7-4	C7-40	PC7-40
5/16" X 11/16"	TC9-4	C9-4	C9-40	PC9-40
3/8" X 9/16"	TD5-4	D5-4	D5-40	PD5-40
3/8" X 5/8"	TD7-4	D7-4	D7-40	PD7-40
3/8" X 11/16"	TD9-4	D9-4	D9-40	PD9-40
3/8" X 3/4"	TD11-4	D11-4	D11-40	PD11-40
3/8" X 13/16"	TD13-4	D13-4	D13-40	PD13-40
3/8" X 7/8"	TD15-4	D15-4	D15-40	PD15-40
1/2" X 7/8"	TP15-4	P15-4	P15-40	PP15-40
1/2" X 15/16"	TP17-4	P17-4	P17-40	PP17-40
1/2" X 1"	TP19-4	P19-4	P19-40	PP19-40

Sleeve lock option available on above couplers. See TOMCO Price List.

# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES PT400

PARKER (TRU-FLATE) INTERCHANGES

### 3/8" BASIC SIZE

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F



PLUG



MANUAL COUPLER

FEMALE THREAD	Catalog No.		Catalog No.	
1/4" NPTF 3/8" NPTF 1/2" NPTF	PT41 PT43 -		PT400 PT420 PT440	
MALE THREAD				
1/4" NPTF 3/8" NPTF 1/2" NPTF	PT40 PT42 -		PT410 PT430 PT450	
HOSE STEM				
1/4" HOSE I.D. 3/8" HOSE I.D. 1/2" HOSE I.D. 3/8" HOSE I.D. (Push-On)	- PT48 - PT48P		PT460 PT480 PT490 PT480P	

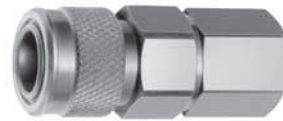
### 1/2" BASIC SIZE

SERIES T500 COUPLERS & PLUGS INTERCHANGE WITH  
1/2" BASIC SIZE TRUFLATE COUPLERS & PLUGS

**Working Range:**  
Maximum Operating Pressure;  
To 250 psig  
**Temperature:** -40° to +225° F  
**Pressure Drop:**  
Inlet      5 psig    10 psig  
100 psig   72 scfm   99 scfm



PLUG



MANUAL COUPLER

FEMALE THREAD	Catalog No.		Catalog No.	
3/8" NPTF 1/2" NPTF 3/4" NPTF	T53 T55 T57		T500 T520 T540	
MALE THREAD				
1/4" NPTF 3/8" NPTF 1/2" NPTF 3/4" NPTF	T50 T52 T54 T56		T510 T530 T550	
HOSE STEM				
3/8" HOSE I.D. 1/2" HOSE I.D. 3/4" HOSE I.D.	T59 T60 T61		T570 T580 T590	

# TOMCO Pneumatic SINGLE SHUT-OFF

## SERIES T5000 & T500

INDUSTRIAL INTERCHANGE MIL-C-4109

1/2" BASIC SIZE

**Working Range:**

Maximum Operating Pressure;  
To 250 psig

Temperature: -40° to +225° F

**Pressure Drop:**

Inlet	5 psig	10 psig
100 psig	72 scfm	99 scfm



PLUG



AUTOMATIC COUPLER



MANUAL COUPLER

FEMALE THREAD	Catalog No.	Catalog No.	Catalog No.
3/8" NPTF	T53	T5000	T500
1/2" NPTF	T55	T5200	T520
3/4" NPTF	T57	T5400	T540


MALE THREAD	Catalog No.	Catalog No.	Catalog No.
1/4" NPTF	T50	T5100	T510
3/8" NPTF	T52	T5300	T530
1/2" NPTF	T54	T5500	T550
3/4" NPTF	T56		


HOSE STEM	Catalog No.	Catalog No.	Catalog No.
3/8" HOSE I.D.	T59	T5700	T570
1/2" HOSE I.D.	T60	T5800	T580
3/4" HOSE I.D.	T61	T5900	T590

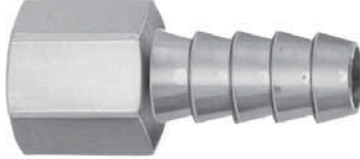
REUSABLE HOSE CLAMP	Catalog No.	Catalog No.	Catalog No.
HOSE I.D. X HOSE O.D.			
3/8" X 5/8"	TD7-5	D7-5	D7-50
3/8" X 11/16"	TD9-5	D9-5	D9-50
3/8" X 3/4"	TD11-5	D11-5	D11-50
3/8" X 13/16"	TD13-5	D13-5	D13-50
3/8" X 7/8"	TD15-5	D15-5	D15-50
1/2" X 7/8"	TP15-5	P15-5	P15-50
1/2" X 15/16"	TP17-5	P17-5	P17-50
1/2" X 1"	TP19-5	P19-5	P19-50


Sleeve lock option available on above coupler. See TOMCO Price List.

# TOMCO HOSE FITTINGS

HOSE SPLICER	Hose Sizes	Catalog No.
	3/16" I.D. to 3/16" I.D.	801
	1/4" I.D. to 1/4" I.D.	802
	5/16" I.D. to 5/16" I.D.	803
	3/8" I.D. to 3/8" I.D.	804
	1/2" I.D. to 1/2" I.D.	805

MALE HOSE STEM	Pipe - Hose Size	
	1/8" Male to 1/8" Hose	901
	1/8" Male to 3/16" Hose	913
	1/8" Male to 1/4" Hose	902
	1/4" Male to 3/16" Hose	915
	1/4" Male to 1/4" Hose	903*
	1/4" Male to 5/16" Hose	905
	1/4" Male to 3/8" Hose	906*
	3/8" Male to 1/4" Hose	907
	3/8" Male to 3/8" Hose	908
	3/8" Male to 1/2" Hose	909
	1/2" Male to 3/8" Hose	910
	1/2" Male to 1/2" Hose	911

FEMALE HOSE STEM	Pipe - Hose Size	
	1/8" Female to 1/8" Hose	920
	1/8" Female to 3/16" Hose	932
	1/8" Female to 1/4" Hose	921
	1/4" Female to 3/16" Hose	934
	1/4" Female to 1/4" Hose	922
	1/4" Female to 3/8" Hose	923
	1/4" Female to 5/16" Hose	924
	3/8" Female to 3/8" Hose	925
	3/8" Female to 1/2" Hose	926
	1/2" Female to 1/2" Hose	928

REUSABLE HOSE FITTING	Catalog No.	Catalog No.																																						
	<table border="1"> <thead> <tr> <th>Hose I.D. X Hose O.D.</th> <th>1/4" MALE NPTF</th> </tr> </thead> <tbody> <tr> <td>1/4" X 1/2"</td> <td>T2B3</td> </tr> <tr> <td>1/4" X 9/16"</td> <td>T2B5</td> </tr> <tr> <td>1/4" X 5/8"</td> <td>T2B7</td> </tr> <tr> <td>1/4" X 11/16"</td> <td>T2B9</td> </tr> <tr> <td>1/4" X 3/4"</td> <td>T2B11</td> </tr> <tr> <td>5/16" X 9/16"</td> <td>T2C5</td> </tr> <tr> <td>5/16" X 5/8"</td> <td>T2C7</td> </tr> <tr> <td>5/16" X 11/16"</td> <td>T2C9</td> </tr> <tr> <td>3/8" X 5/8"</td> <td>T2D7</td> </tr> <tr> <td>3/8" X 11/16"</td> <td>T2D9</td> </tr> <tr> <td>3/8" X 3/4"</td> <td>T2D11</td> </tr> </tbody> </table>	Hose I.D. X Hose O.D.	1/4" MALE NPTF	1/4" X 1/2"	T2B3	1/4" X 9/16"	T2B5	1/4" X 5/8"	T2B7	1/4" X 11/16"	T2B9	1/4" X 3/4"	T2B11	5/16" X 9/16"	T2C5	5/16" X 5/8"	T2C7	5/16" X 11/16"	T2C9	3/8" X 5/8"	T2D7	3/8" X 11/16"	T2D9	3/8" X 3/4"	T2D11	<table border="1"> <thead> <tr> <th>Hose I.D. X Hose O.D.</th> <th>3/8" MALE NPTF</th> </tr> </thead> <tbody> <tr> <td>3/8" X 9/16"</td> <td>T4D5</td> </tr> <tr> <td>3/8" X 5/8"</td> <td>T4D7</td> </tr> <tr> <td>3/8" X 11/16"</td> <td>T4D9</td> </tr> <tr> <td>3/8" X 3/4"</td> <td>T4D11</td> </tr> <tr> <td>3/8" X 13/16"</td> <td>T4D13</td> </tr> <tr> <td>3/8" X 7/8"</td> <td>T4D15</td> </tr> </tbody> </table>	Hose I.D. X Hose O.D.	3/8" MALE NPTF	3/8" X 9/16"	T4D5	3/8" X 5/8"	T4D7	3/8" X 11/16"	T4D9	3/8" X 3/4"	T4D11	3/8" X 13/16"	T4D13	3/8" X 7/8"	T4D15
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1/2" X 1"	T6P19																																							

\* Also available in type 316 stainless steel... refer to current price list.

# TOMCO Pneumatic SLIDE VALVES

**Working Range:**

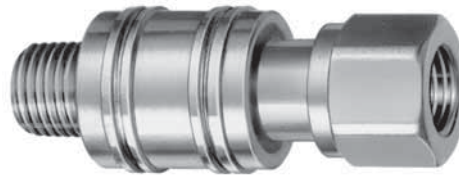
Maximum Operating Pressure;  
To 200 psig

**Temperature:** -20° to +200° F

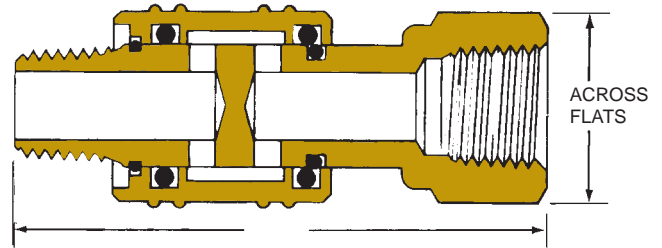
TOMCO 2 position, 3 way, manually operated slide valves provide simple on/off airflow control. They are the ideal, low-cost method for operating single action air cylinders, air clamps, air gauges and similar air-actuated devices. They can be mounted horizontally, vertically or at an angle.

Sliding the operating sleeve to the ON position closes the valve's relief ports and permits air to flow through the circuit. Sliding the sleeve in the opposite direction, opens the ports to bleed the air-operated device and shuts off the airflow. The slide protects the exhaust ports and directs exhaust air away from the operator's hand.

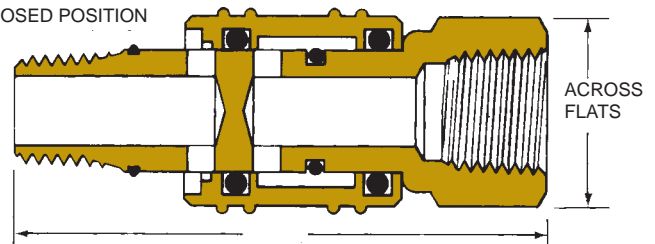
TOMCO slide valves are available with or without a detent which holds the sleeve in the open position against accidental closing due to vibration or gravitational pull.



OPEN POSITION



CLOSED POSITION



**MALE THREAD**

	With Detent	Without Detent	O.A.L.	Hex Across Flats	Flow @ 100 psig inlet	
					Pressure drop	Delivered volume
1/8" NPTF	S1	S1LD	2.150"	9/16"	5 psig	19 scfm
1/4" NPTF	S2	S2LD	2.440"	3/4"	5 psig	32 scfm

# TOMCO CHECK VALVES

**Working Range:**

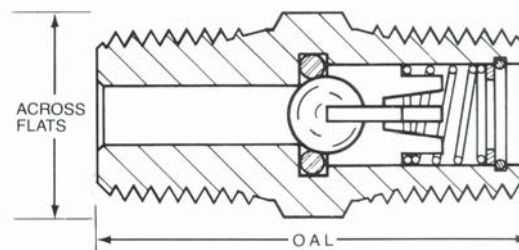
Maximum Operating Pressure;  
To 1000 psig

**Temperature:** -40° to +230° F

**Cracking Pressure:** 1-2.5 psi

Available with elastomeric O-ring (Buna N\*) for gas-tight seal or metal-to-metal leak-tight liquid seat. Brass body, stainless steel ball and spring, acetal ball guide.

\* Other O-ring materials available. Please consult factory.



**MALE THREAD**

	Cv	O-Ring Seat	Metal-to-Metal Seat	O.A.L.	Hex Across Flats	Maximum Recommended Flow (gpm)
1/4" NPTF	.60	1900D-15	1901D-15	1.375"	9/16"	2.5
3/8" NPTF	1.00	1930D-20	1931D-20	1.625"	3/4"	6.0
1/2" NPTF	2.00	1940D-25	1941D-25	2.000"	7/8"	10.0

## SAFETY BLOW GUN



### SERIES 605 1/4" NPTF inlet

- Trouble-free, unitized, die cast body
- When tip is fully obstructed, @ 150 PSI input, relieving side holes drop tip-pressure to a safe 14.5 PSI
- Complies with OSHA Section 1910, 242(b)
- Bright chrome finish
- Cushioned thumb-lever
- Convenient, integral, hanger hook

## BLOW-CLEAN GUN



### SERIES 610 1/4" NPTF inlet

- Rubber tip directs air jet for blow-cleaning surfaces or cavities
- Tip can't scratch or mar finished surfaces
- Body features same as Series 605, but WITHOUT safety side holes
- Should be used only with 30 PSI line pressure or less
- When rubber tip is removed, a 1/8" female pipe thread is available for attaching extension tubes and other accessories

## AIR ADJUSTING VALVE (NOT A SHUT-OFF VALVE)



### SERIES 1200 1/4" NPTF ports

- Permits accurate flow control in either direction
- Set knurled knob to desired flow rate
- Spring-loaded ratchet permits positive flow adjustment without drift
- Oil resistant seals prevent leakage

# TOMCO GARDEN HOSE

**Working Range:**  
Maximum Operating Pressure;  
To 200 psig  
**Temperature:** -40° to +200° F

## SERIES GH

### GARDEN HOSE THREAD



PLUG (Hose Stem)



PLUG



MANUAL COUPLER

Size	Catalog No.	Catalog No.	Catalog No.
5/8" Hose I.D.	GHP-10HB	-	-
3/4"-11.5NH Male Thread	-	GHP	-
3/4"-11.5NH Female Thread	-	-	GHC

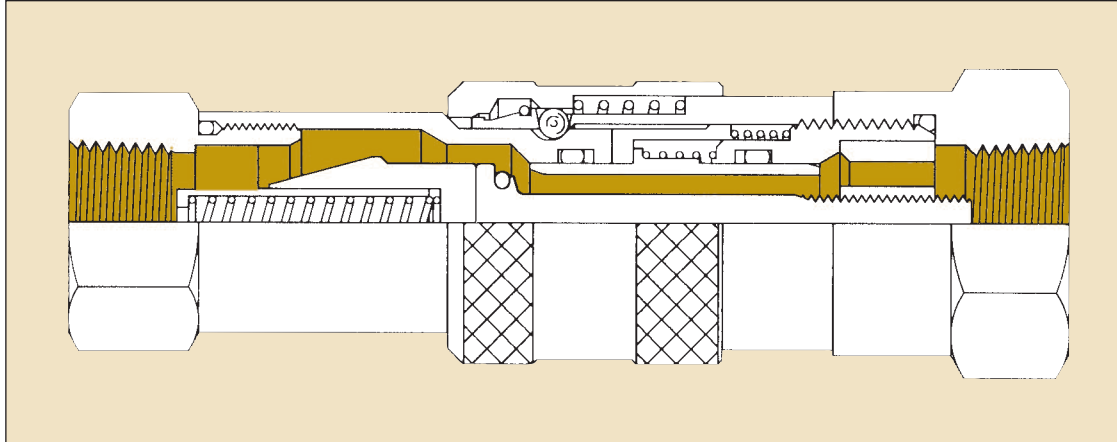
### Dual Seal Water Service Design:

Ideal for frequent connect/disconnect water hose applications in industrial wash systems, food preparation plants, paper, agricultural watering, etc. O-ring in coupler body seals on the plug nose. Flat washer in coupler seals on the faucet thread.

# FLUSH FACE

## Double Shut-Off Quick-Couplers

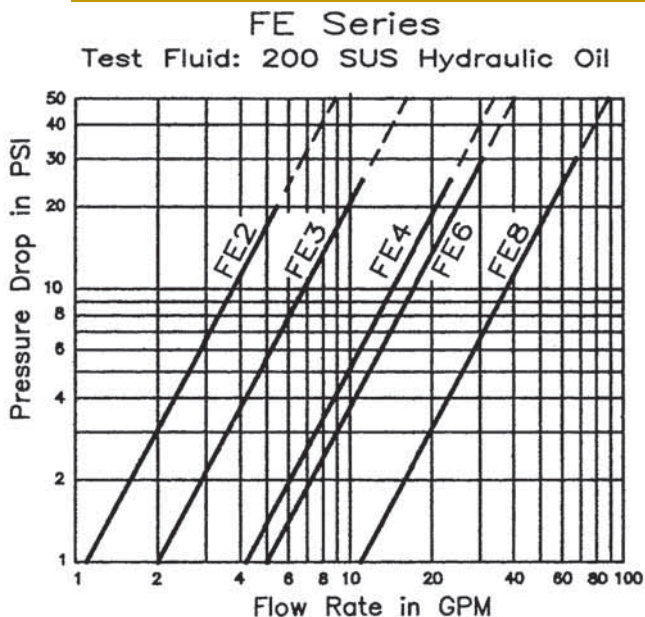
### TOMCO Series FE



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



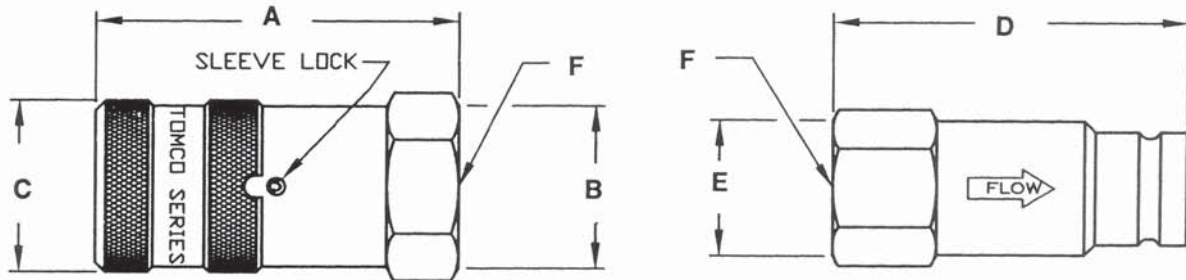
PLUG



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
FE3				
	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
FE4				
	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
FE6				
	3/4" 16 MM	3/4" NPTF	EP6-31	EC6-31
FE8				
	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.

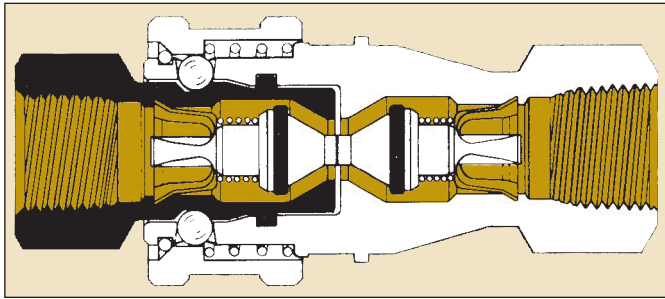
BODY SIZE	CAP FOR PLUG	CAP FOR COUPLER
3/8"	FP3DC	5606DC

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

# Double Shut-Off Quick-Couplers

## TOMCO Series THK



TOMCO Series THK quick-couplers have fast-acting poppet valves in both the plug and coupler to effectively prevent fluid loss on disconnect.

Industry terminology for the THK series is "hydraulic couplings". However, they also find wide application on vacuum systems, steam, liquid, gases and other installations where fluid loss during connection or disconnection is undesirable.

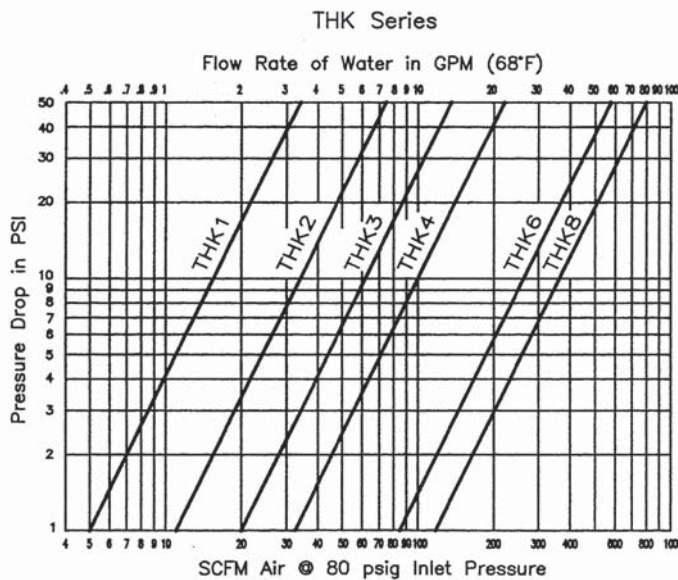
This superior quality line of quick-couplers is precision machined from solid bar stock for maximum wall strength. They are hardened at all points of extra stress and wear.

All interior THK components are corrosion resistant; manufactured of carefully selected materials to assure long, trouble-free, service life. Standard seals are Buna-N. Other materials are readily available to meet requirements of specific fluids and applications.

TOMCO's ball-locking mechanism is engineered for even load distribution; assures positive alignment, and allows hose-protecting swivel action. A sleeve locking option prevents accidental uncoupling in use.

Series THK quick-connects bring the user a unique combination of advantages including: high flow rate, low pressure drop, choice of body material, interchangeability with all leading industrial couplers, long service-free performance.

### FLOW RATE



### WORKING PRESSURE (PSI)/FLOW\*

Size	Max. Flow GPM	Steel	Brass	Stainless
1/8"	1	5,000	1,000	2,000
1/4"	3	5,000	1,000	2,000
3/8"	6	4,000	1,000	1,500
1/2"	12	4,000	1,000	1,500
3/4"	28	2,500	1,000	1,500
1"	50	2,000	1,000	1,500

### BURST STRENGTH (PSI)\*

Size	Steel	Brass	Stainless
1/8"	21,000	9,000	20,000
1/4"	20,000	12,000	15,000
3/8"	18,000	9,000	12,000
1/2"	16,000	14,000	17,000
3/4"	9,000	8,000	11,000
1"	8,000	6,000	7,000

\* The above ratings were established by carefully controlled laboratory tests including static burst tests and multiple-cycle impulse tests. Uncontrollable field conditions such as rapid cycling rates, high amplitude shocks, etc. can affect the unit's service life negatively, even though pressures are within the coupler's rated range.

### DUST CAPS AND PLUGS (Brass)

Tomco dust caps and plugs prevent contamination of disconnected fluid systems. They prevent the introduction of dirt, grit, and other contaminants into the system through the Series THK component.



SIZE	DUST CAP	DUST PLUG
THK 1	TK1D	TH1D
THK 2	TK2D	TH2D
THK 3	TK3D	TH3D
THK 4	TK4D	TH4D
THK 6	TK6D	TH6D
THK 8	TK8D	TH8D

# TOMCO DOUBLE SHUT-OFF

## SERIES THK ISO "B" INDUSTRIAL INTERCHANGE ISO "B"

**Working Range:** See Pressure Rating Chart on Page 17  
**Temperature:** -40° to +225° F  
**Pressure Drop:** See Graph on Page 17  
**Standard Seals:** Nitrile



PLUG



MANUAL COUPLER

STEEL	Catalog No.	Catalog No.
1/8"	TK1-11	TH1-11
1/4"†	TK2-16	TH2-16
3/8"†	TK3-21	TH3-21
1/2"†	TK4-26	TH4-26
3/4"†	TK6-31	TH6-31
1"	TK8-36	TH8-36
BRASS		
1/8"	TK1-11-002	TH1-11-002
1/4"†	TK2-16-002	TH2-16-002
3/8"†	TK3-21-002	TH3-21-002
1/2"†	TK4-26-002	TH4-26-002
3/4"†	TK6-31-002	TH6-31-002
1"†	TK8-36-002	TH8-36-002
STAINLESS STEEL (303)		
1/8"	TK1-11-303	TH1-11-303
1/4"†	TK2-16-303	TH2-16-303
3/8"†	TK3-21-303	TH3-21-303
1/2"†	TK4-26-303	TH4-26-303
3/4"†	TK6-31-303	TH6-31-303
1"	TK8-36-303	TH8-36-303

**SLEEVE LOCK OPTION** (see price list): Specify by adding suffix SL to the coupler catalog number.

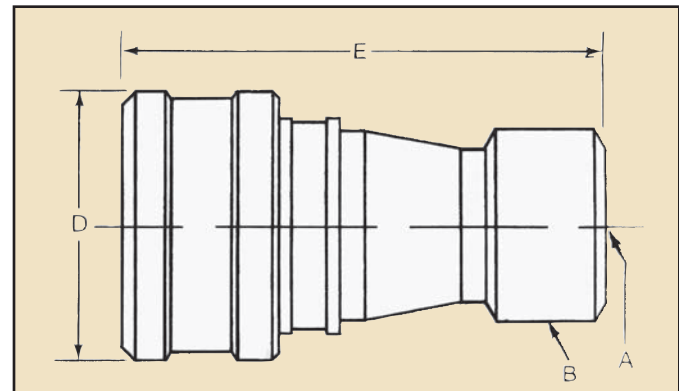
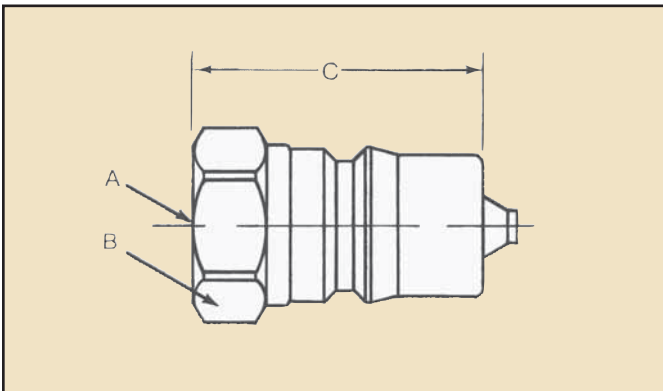
### MATERIALS OF CONSTRUCTION

**Steel Series:** Zinc plated steel, stainless steel springs, chrome steel locking balls

**Brass Series:** Machined brass w/300 stainless locking balls and stainless steel springs

**Stainless Series:** All metal components manufactured from 303 stainless steel

	A FEMALE PIPE THRD	B ACROSS FLATS	C PLUG LENGTH	D SLEEVE DIA.	E COUPLER LENGTH	F OVER ALL LENGTH COUPLED POSITION
THK1	1/8" NPTF	9/16 <sup>(.560)</sup>	1.17	.99	1.91	2.35
THK2	1/4" NPTF	3/4 <sup>(.750)</sup>	1.40	1.18	2.27	2.84
THK3	3/8" NPTF	7/8 <sup>(.875)</sup>	1.50	1.41	2.50	3.05
THK4	1/2" NPTF	1-1/8 <sup>(1.13)</sup>	1.84	1.85	2.93	3.71
THK6	3/4" NPTF	1-5/16 <sup>(1.31)</sup>	2.16	2.21	3.56	4.33
THK8	1" NPTF	1-5/8 <sup>(1.63)</sup>	2.58	2.58	4.18	5.20



# Double Shut-Off for Hydraulic Service

**SERIES THK12 ISO "B"**

**INDUSTRIAL INTERCHANGE ISO "B"**

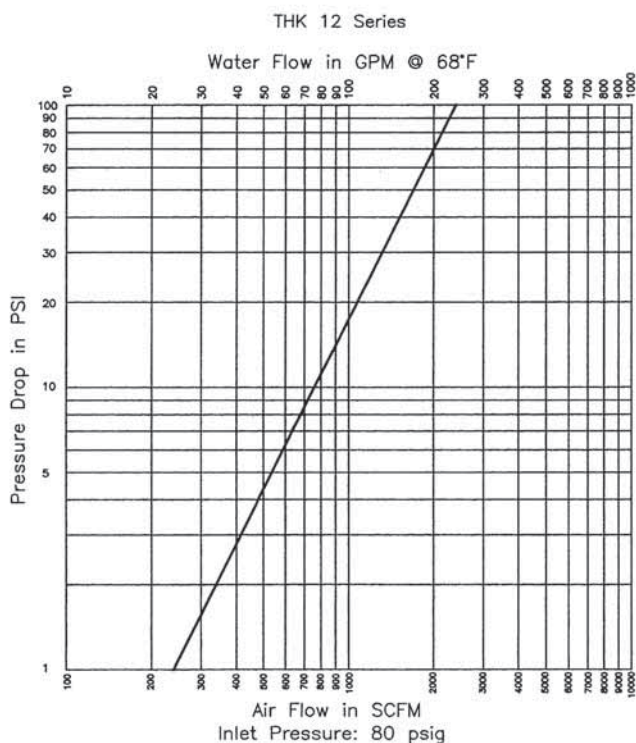
TOMCO Series THK12 couplers are ideal for large volume hydraulic return lines and other high volume fluid transfer applications. To meet specific application requirements, these couplers are available in brass, steel, and 303 stainless steel.



All TOMCO Series THK12 couplers feature double o-rings and heavy-duty construction throughout. Steel sleeves and plugs are heat treated and heavily plated for superior corrosion resistance.

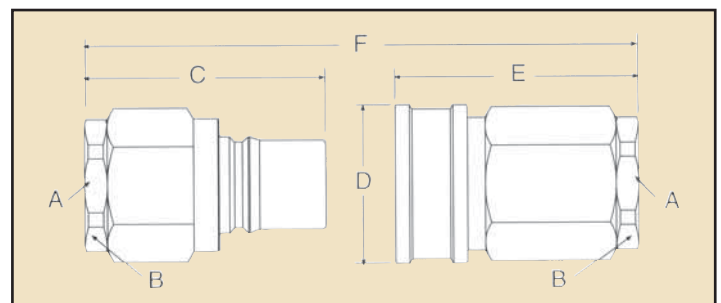
STEEL	Basic Size	Thread	Plug Catalog No.	Coupler Catalog No.
	1-1/2"	1-1/4" NPTF	TK12-41	TH12-41
	1-1/2"	1-1/2" NPTF	TK12-46	TH12-46
BRASS				
	1-1/2"	1-1/4" NPTF	TK12-41-002	TH12-41-002
	1-1/2"	1-1/2" NPTF	TK12-46-002	TH12-46-002
STAINLESS STEEL (303)				
	1-1/2"	1-1/4" NPTF	TK12-41-303	TH12-41-303
	1-1/2"	1-1/2" NPTF	TK12-46-303	TH12-46-303

## FLOW RATE



## PRESSURE RATINGS

Basic Size	Material	Working Pressure (PSI)	Burst Strength (PSI)
1-1/2"	Steel	1,500	6,000
	Brass	1,500	4,000
	Stainless	1,500	6,000



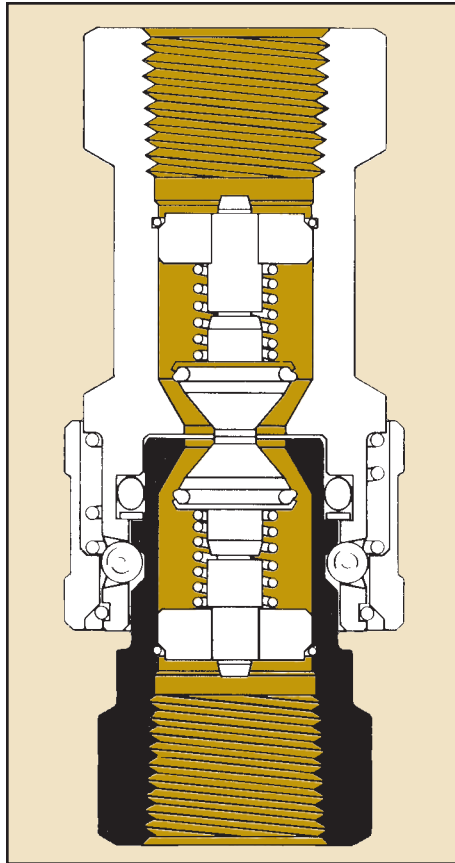
## DIMENSIONS All dimensions are in inches.

A Thread	B Across Flats	C Plug OAL	D Sleeve Dia.	E Coupler OAL	F OAL Coupled
1-1/4" NPTF	2.38	4.77	3.13	4.82	7.52
1-1/2" NPTF	2.38	4.77	3.13	4.82	7.52

Continuing manufacturing and engineering advances may cause changes to the data shown.

# Double Shut-Off General Purpose

## TOMCO Series A5600



TOMCO Series A5600 quick-couplers offer the product designer and processing engineer a full choice of interchangeable units with valving to exactly suit functional requirements without unnecessary costs.

These "general purpose" quick-couplers are engineered for a full range of hydraulic applications.

Both couplers and plugs are precision machined from solid steel bar stock for maximum strength. They are hardened at critical stress/wear points and are heavily plated.

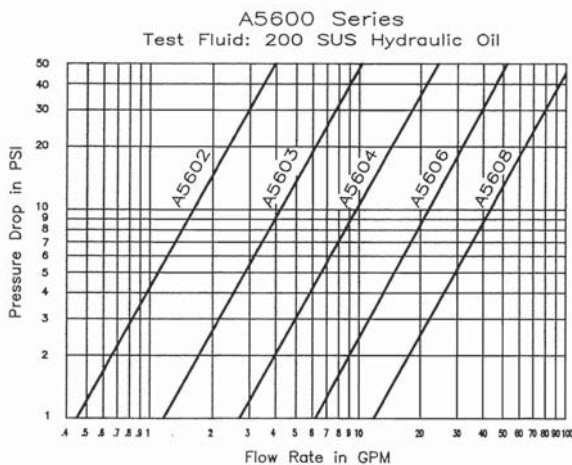
All interior Series A5600 components are manufactured of carefully selected materials to assure long, trouble-free, service life. Standard seals are Buna-N. Other materials are readily available to meet the specific requirements of various fluids and applications.

TOMCO's ball-locking mechanism provides even load distribution, assures positive alignment and provides hose-protecting swivel action.

Series A5600 quick connects bring the user an unusual combination of advantageous features including: high flow rate, low pressure drop, interchangeability with all leading "general purpose" couplers and superior trouble-free performance.

TOMCO Series A5600 meets, or exceeds, ISO 7241-1, Series "A" specifications.

### FLOW RATE



### PRESSURE RATINGS/FLOW GPM

SIZE	MAX. FLOW	WORKING PRESSURE		BURST STRENGTH	
		psi	bar	psi	bar
1/4"	3	5,000	345	15,000	1034
3/8"	6	4,000	276	12,000	827
1/2"	12	4,000	276	12,000	827
3/4"	28	4,000	276	12,000	827
1"	50	4,000	276	12,000	827

\* The above ratings were established by carefully controlled laboratory tests including static burst tests and multiple-cycle impulse tests. Uncontrollable field conditions such as: rapid cycling rates, high amplitude shocks, etc. can affect the unit's service-life negatively, even though pressures are within the coupler's rated range.

# (ISO "A") Couplers

## TOMCO

### DOUBLE SHUT-OFF

## SERIES A5600

### GENERAL PURPOSE ISO "A"

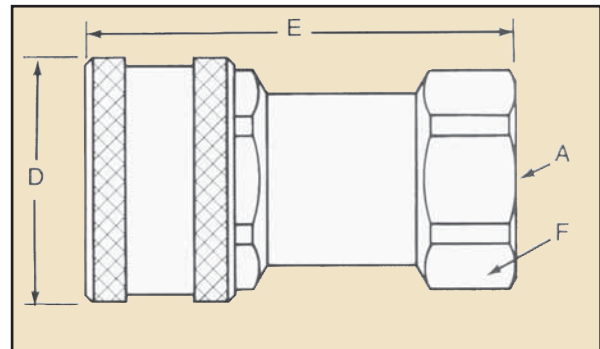
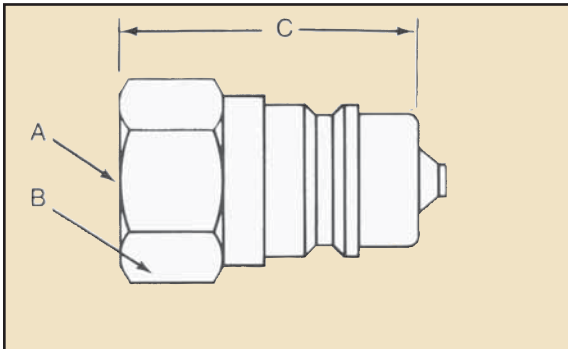
**Working Range:** See Pressure Rating Chart on Page 20  
**Temperature:** -40° to +225°F  
**Pressure Drop:** See Graph on Page 20

HEAVY DUTY PLUGS AVAILABLE. SEE CATALOG NUMBERS BELOW PLUG PICTURE.



\*Heavy duty plugs are manufactured from high-strength steel and induction hardened. They are ideal for high cycling applications.

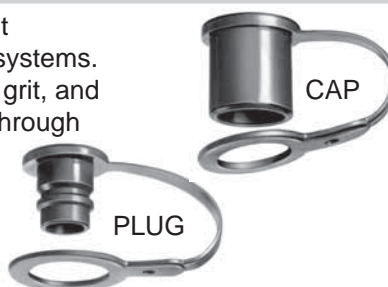
		Catalog No.	Catalog No.	Catalog No.
<b>BASIC SIZE</b>	<b>THREAD SIZE</b>	<b>STANDARD PLUG</b>	<b>HEAVY DUTY PLUG*</b>	<b>COUPLER</b>
1/4"	1/4"-18 NPTF	PA5602-16	-	CA5602-16
3/8"	3/8"-18 NPTF	PA5603-21	-	CA5603-21
1/2"	3/4"-16 UNF	PA5604-8 (ORB)	-	CA5604-8 (ORB)
1/2"	7/8"-14 UNF	PA5604-10 (ORB)	-	CA5604-10 (ORB)
1/2"	1/2"-14 NPTF	PA5604-26	PA5604-26HD	CA5604-26
1/2"	3/4"-14 NPTF	PA5604-31	-	CA5604-31
3/4"	3/4"-14 NPTF	PA5606-31	PA5606-31HD	CA5606-31
1"	1"-11 1/2 NPTF	PA5608-36	PA5608-36HD	CA5608-36



SERIES NUMBER	A BASIC SIZE	B ACROSS FLATS	C PLUG LGTH.	D SLEEVE DIA.	E COUPLER LGTH.	F ACROSS FLATS	G COUPLED O.A.L.
A5602	1/4"	.75	1.27	1.08	1.83	.88	2.55
A5603	3/8"	.88	1.40	1.26	2.09	1.06	2.80
A5604	1/2"	1.06	1.82	1.52	2.70	1.25	3.63
A5606	3/4"	1.38	2.29	1.90	3.36	1.63	4.61
A5608	1"	1.63	2.58	2.15	3.97	1.88	5.30

### DUST CAPS AND PLUGS (PLASTIC)

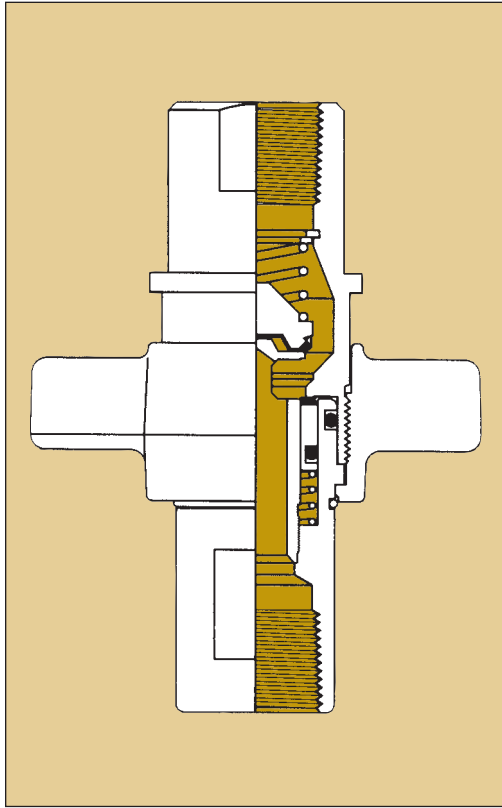
TOMCO dust caps and plugs prevent contamination of disconnected fluid systems. They prevent the introduction of dirt, grit, and other contaminants into the system through the Series A5600 components.



SIZE	DUST CAP	DUST PLUG
1/4"	5602DC	5602DP
3/8"	5603DC	5603DP
1/2"	5604DC	5604DP
3/4"	5606DC	5606DP
1"	5608DC	5608DP

# Thread-to-Connect Under Pressure

## TOMCO Series A5100



### Couple Under Pressure

TOMCO Series A5100 quick-couplers are engineered to provide the extra assembly forces required to make or break connection against trapped or active hydraulic pressures up to 500 psig.

### Easier to Connect

Integral "hammer-wings" on the steel coupler sleeve transmit required assembly force. Wrench flats are also provided on both the plug and the coupler for final tightening if needed. Added mechanical advantage is supplied by the connecting threads on the plug and coupler.

### Space Saving Hex Nut

When assembly in close spaces precludes the use of "wings", an alternate, space saving hex nut driven coupler is available.

### Extra Design Features

Series A5100 is designed to meet the extra strength and endurance requirements of roust-about usage under tough environments. Features include: precision machined anti-corrosion brass bodies, cast steel coupler sleeves, stainless steel springs, brass valves with tubular tempered steel stems, and bonded Nitrile seals.

### Visual Coupling Guide

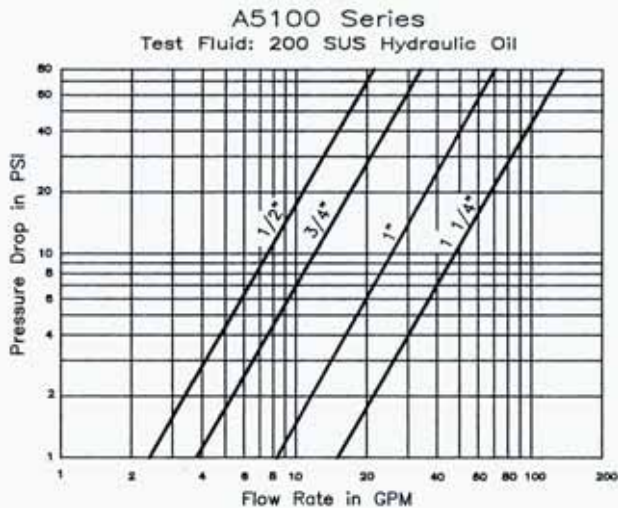
Visual proof of proper connections is afforded by an incised groove on all Series A5100 plugs. When the coupler sleeve is assembled flush against the groove on the plug, the connection is completed. The operator is thus assured that the poppets are fully open and maximum operating efficiency has been achieved.

### Dust Caps and Plugs (Brass)

TOMCO dust caps and plugs prevent contamination of disconnected fluid systems. They prevent the introduction of dirt, grit and other contaminants into the system through the Series A5100 components.

TOMCO bulkhead mounting of flanges are also recommended where such installation is planned. See page 23.

## FLOW RATE



## PRESSURE RATINGS

HOSE I.D.	WORKING PRESSURE (PSI)	BURST STRENGTH (PSI)
3/4"	3,000	9,000
1"	3,000	9,000
1-1/4"	2,750	8,250

Disconnected burst strength of plugs 51P-20 and 51PF-20 is 7,500 psig.



# Quick-Connects

## TOMCO

### DOUBLE SHUT-OFF

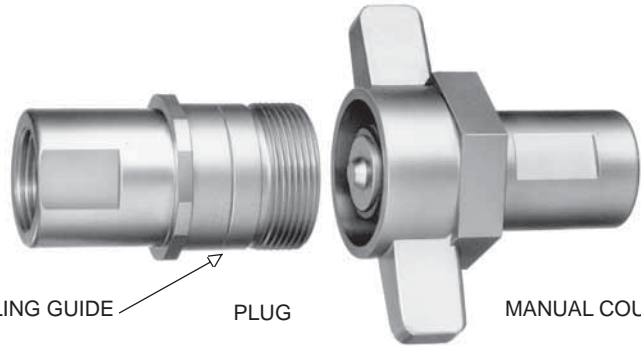
# SERIES A5100

## COUPLE UNDER PRESSURE

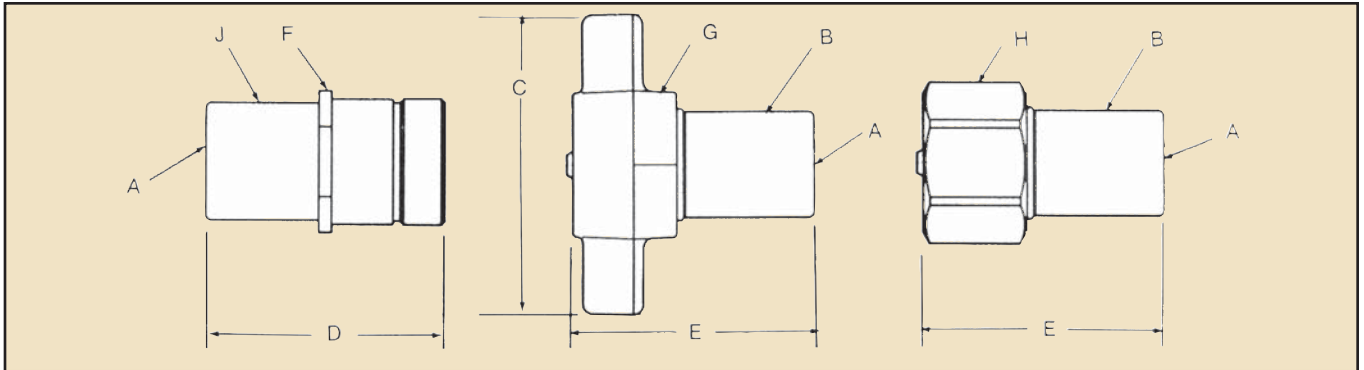
**Working Range:**  
 Maximum Operating Pressure;  
 See Pressure Chart on Page 22  
**Temperature:** -40° to +225°F  
**Standard Seals:** Bonded Nitrile

**SUITEABLE FOR COUPLING AND UNCOUPLING AT PRESSURES UP TO 500 PSIG.**

VISUAL COUPLING GUIDE  
 See Page 22



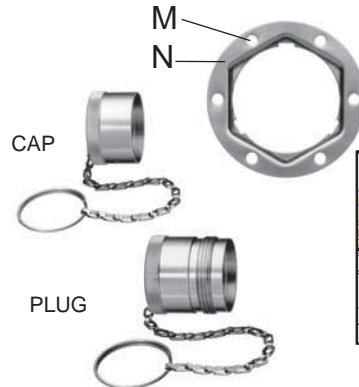
Catalog No.				Catalog No.	
SIZE	THREAD	PLUG W/O FLANGE	PLUG W/ FLANGE	COUPLER W/"WINGS"	COUPLER W/ HEX NUT
3/4"	1/2" NPTF	51P-8	51PF-8	51W-8	51H-8
3/4"	3/4" NPTF	51P-12	51PF-12	51W-12	51H-12
1"	1" NPTF	51P-16	51PF-16	51W-16	51H-16
1-1/4"	1-1/4" NPTF	51P-20	51PF-20	51W-20	51H-20



BODY SIZE	A FEMALE PIPE THREAD	B ACROSS FLATS	C ACROSS "WINGS"	D PLUG LENGTH	E COUPLER LENGTH	F PLUG HEX	G COUPLER HEX	H COUPLER HEX	J ACROSS FLATS
3/4"	1/2" NPTF	1.16	4.06	3.12	3.09	1.63	1.81	1.750	1.19
3/4"	3/4" NPTF	1.16	4.06	3.12	3.09	1.63	1.81	1.750	1.19
1"	1" NPTF	1.44	4.40	3.55	3.68	1.88	2.25	2.125	1.56
1-1/4"	1-1/4" NPTF	1.88	5.20	3.72	3.98	2.13	2.625	2.500	1.88

### DUST CAPS AND PLUGS (Brass)

BODY SIZE	DUST CAP	DUST PLUG
3/4"	51DC-12	51DP-12
1"	51DC-16	51DP-16
1-1/4"	51DC-20	51DP-20



### BULKHEAD FLANGE

BODY SIZE	FLANGE	M MOUNTING HOLE	N HOLE CTR. CIRCLE DIA.
3/4"	51F-12	.201	2.12
1"	51F-16	.201	2.38
1-1/4"	51F-20	.201	2.62

# TOMCO Double Shut-Off 10,000 PSI

## SERIES JC

### HIGH PRESSURE

TOMCO Series JC is a premium quality, high pressure coupling designed for hydraulic ram service up to 10,000 psi. The TOMCO JC Series incorporates unique high flow tempered steel poppet valves which produce 50% less pressure loss than ball check types. Series JC couplers are manufactured from high strength stress relieved steel and are heavily plated for superior corrosion resistance and include specially designed custom nitrile valve seals and polyurethane coupler o-rings. The threaded screw-together design may be coupled by hand at pressures up to 1,000 psi. The sleeve wrench pads aid in breaking tight connections.



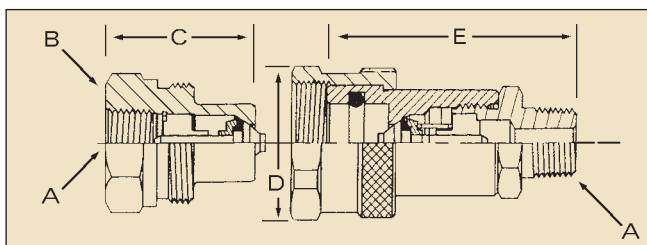
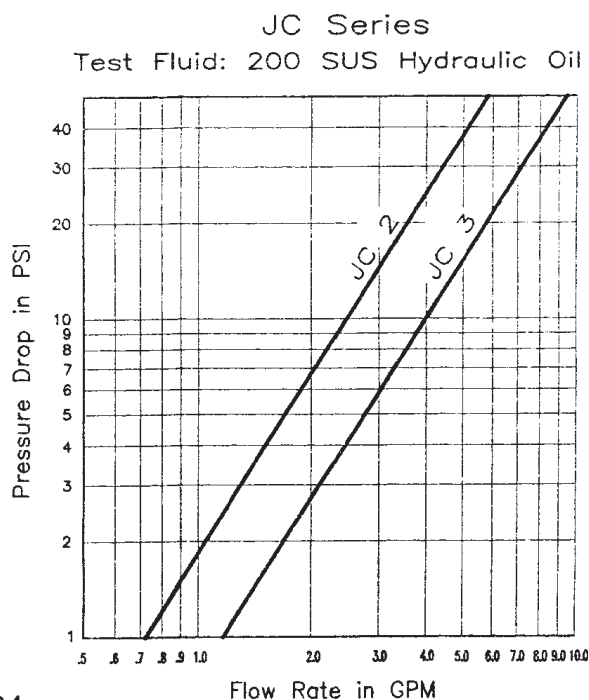
PLUG

COUPLER

Series	Thread	Plug Catalog No.	Thread	Coupler Catalog No.
JC2	1/4" NPTF-Female	JP2-16	1/4" NPTF-Male	JC2-15
JC3	3/8" NPTF-Female	JP3-21	3/8" NPTF-Male	JC3-20

### PERFORMANCE SPECIFICATIONS

	JC2	JC3
RATED OPERATING PRESSURE:	10,000 PSIG	10,000 PSIG
BURST PRESSURE:	30,000 PSIG	27,000 PSIG
RATED FLOW:	3 GPM	6 GPM
TEMPERATURE RANGE WITH STANDARD SEALS:	-40° TO +180° F	



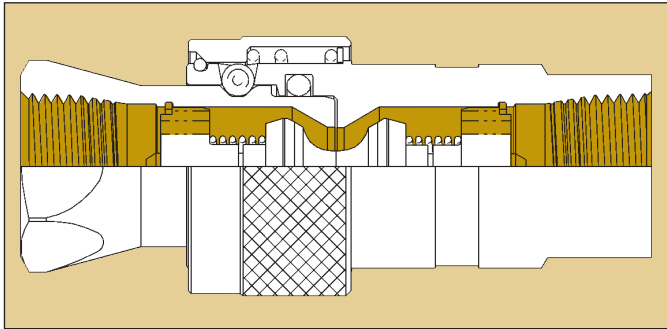
SERIES NUMBER	A THREAD	B HEX	C LENGTH	D SLEEVE	E LENGTH	F=O.A.L. COUPLED
JC2	1/4" NPTF	1.13	1.33	1.13	2.36	2.94
JC3	3/8" NPTF	1.25	1.25	1.38	2.57	3.11

Combination Dust Plugs and Caps	
Body Size	Combination Plug/Cap Number
1/4"	JC2-DCP
3/8"	JC3-DCP



# Double Shut-Off for Hydraulic Service

## TOMCO Series PC General Purpose Couplers



TOMCO Series PC leak tight hydraulic couplers combine a rugged, time-tested design, with advanced heavy duty valve designs and solid steel bar stock construction throughout. All major load bearing and wear components

are heat treated for rugged service and heavily plated for corrosion resistance. They are ideal for agricultural, construction, forestry, and snow plow applications.

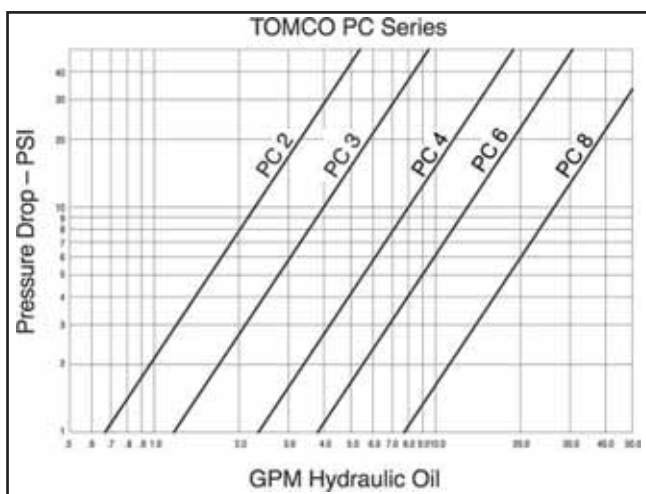
### Features

- Heavy duty heat treated poppet valves are standard with rugged, specially-designed seals made of nitrile for long leak-free performance in the toughest applications. No leaky ball checks or valve seal blow-outs with TOMCO Series PC couplers.
- High-strength steel valve guides designed for high flow rates and made extra tough for agricultural and snow plow service.
- Dependable hardened chrome alloy steel locking balls.
- Heat treated plugs and sleeves.

## PERFORMANCE SPECIFICATIONS

	PC2	PC3	PC4	PC6	PC8
<b>Rated Operating Pressure</b>	3,000 PSIG	3,000 PSIG	3,000 PSIG	3,500 PSIG	3,000 PSIG
<b>Burst Pressure</b>	12,000 PSIG	12,000 PSIG	12,000 PSIG	14,000 PSIG	12,000 PSIG
<b>Rated Flow</b>	3 GPM	6 GPM	12 GPM	28 GPM	50 GPM
<b>Cv</b>	.68	1.2	2.5	3.8	7.7
Temperature range with seals made of Nitrile	-40° F to +225° F				

## FLOW RATE



## DUST CAPS AND PLUGS (Plastic)

TOMCO dust caps and plugs prevent contamination of disconnected fluid systems. They prevent the introduction of dirt, grit, and other contaminants through Series PC components.



Size	Dust Cap	Dust Plug
1/4"	PC2DC	PC2DP
3/8"	PC3DC	PC3DP
1/2"	5604DC	5604DP

Continuing manufacturing and engineering advances may cause changes to the data shown.

# Series PC

PIONEER 4000 SERIES INTERCHANGE

Double Shut-Off General Purpose Hydraulic Couplers with Hardened Steel Poppets



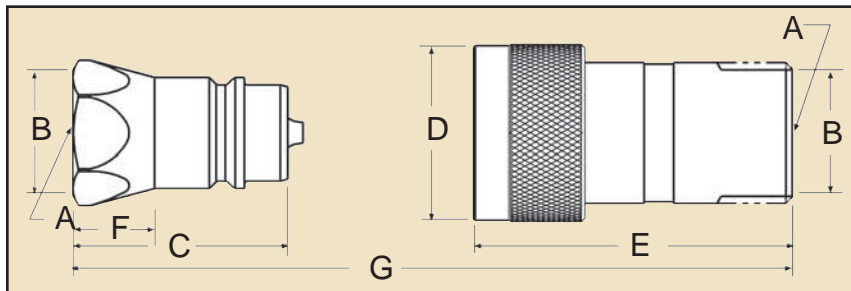
PLUG

COUPLER

## SELECTION

Series	Size	Catalog No. Female Thread	Catalog No. Plug	Catalog No. Coupler
PC2	1/4"	1/4" NPTF	P2-16	C2-16
PC3	3/8"	3/8" NPTF	P3-21	C3-21
PC4 <sup>(1)</sup>	1/2"	3/4"-16 UNF (ORB)	P4-8	C4-8
		7/8"-14 UNF (ORB)	P4-10	C4-10
		1/2" NPTF	P4-26	C4-26
		3/4" NPTF	P4-31	C4-31
PC6	3/4"	3/4" NPTF	P6-31	C6-31
PC8	1"	1" NPTF	P8-36	C8-36

<sup>(1)</sup> PC4 series conforms with ISO 5675 requirements for agricultural quick couplers.



## DIMENSIONS All dimensions are in inches

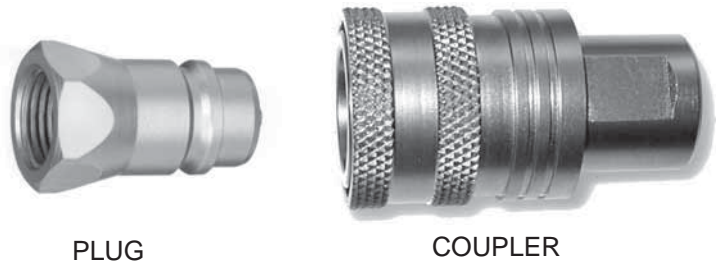
	Number	A Female Thread	B Across Flats	C Plug Length	D Sleeve Dia.	E Coupler Length	F Flat Length	G Coupled O.A.L.
Plug	P2-16	1/4" NPTF	0.75	1.30	-	-	0.57	2.56
	P3-21	3/8" NPTF	0.88	1.50	-	-	0.63	2.94
	P4-8 (ORB)	3/4"-16 UNF	1.06	1.82	-	-	0.88	3.58
	P4-10 (ORB)	7/8"-14 UNF	1.13	1.82	-	-	0.88	3.58
	P4-26	1/2" NPTF	1.06	1.82	-	-	0.88	3.57
	P4-31	3/4" NPTF	1.38	1.85	-	-	0.93	3.68
	P6-31	3/4" NPTF	1.31	2.34	-	-	0.94	4.17
	P8-36	1" NPTF	1.63	2.50	-	-	0.99	4.74
Coupler	C2-16	1/4" NPTF	0.88	-	1.06	1.99	-	2.56
	C3-21	3/8" NPTF	0.94	-	1.31	2.31	-	2.94
	C4-8 (ORB)	3/4"-16 UNF	1.06	-	1.52	2.70	-	3.58
	C4-10 (ORB)	7/8"-14 UNF	1.25	-	1.52	2.70	-	3.58
	C4-26	1/2" NPTF	1.06	-	1.52	2.70	-	3.57
	C4-31	3/4" NPTF	1.38	-	1.52	2.69	-	3.68
	C6-31	3/4" NPTF	1.38	-	1.83	3.23	-	4.17
	C8-36	1" NPTF	1.63	-	2.18	3.75	-	4.74

Continuing manufacturing and engineering advances may cause changes to the data shown.

# TOMCO DOUBLE ACTING SLEEVE

Double acting sleeve fits standard agricultural mounting clamps and permits one handed operation to connect or disconnect. Tomco Series CD sleeves are heat treated and contain chrome alloy steel locking balls for superior durability. Series CD couplers include hardened steel poppet valves with rugged nitrile seals for long leak-free performance and high strength valve guides, made extra tough for agricultural, construction, and forestry service. All major load bearing and wear components are heat treated for long durable service and are heavily plated for superior corrosion resistance. Series CD couplers fit Tomco PC Series (Pioneer style) plugs and are available in 3/8" and 1/2" body sizes.

## SERIES CD PIONEER INTERCHANGE



PLUG

COUPLER

SERIES	SIZE	FEMALE THREAD	CATALOG NO. PLUG	CATALOG NO. COUPLER
CD3	3/8"	3/8" NPTF	P3-21	CD3-21
CD4	1/2"	3/4"-16 UNF (ORB) 7/8"-14 UNF (ORB) 1/2" NPTF 3/4" NPTF	P4-8 P4-10 P4-26 P4-31	CD4-26

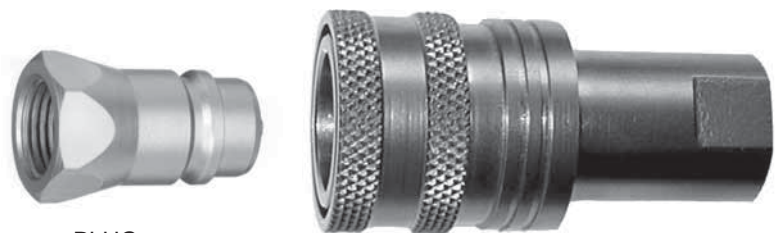
### PERFORMANCE SPECIFICATIONS

RATED OPERATING PRESSURE:	3,000 PSIG
BURST PRESSURE:	12,000 PSIG
RATED FLOW:	12 GPM
TEMPERATURE RANGE:	-40° F TO 225° F

# TOMCO COUPLE UNDER PRESSURE

Specially designed double valving permits coupling at full system pressure. Either or both coupler or plug may be pressurized. Valves open automatically when the system is operated. Double acting sleeve fits standard agricultural mounting clamps and bulkheads. Series CU sleeves are heat treated for long durability with chrome alloy steel locking balls. All major load bearing and wear components are heat treated for rugged service and are heavily plated for superior corrosion resistance. Series CU couplers fit Tomco PC4 Series (Pioneer style) plugs.

## SERIES CU PIONEER INTERCHANGE



PLUG

COUPLER

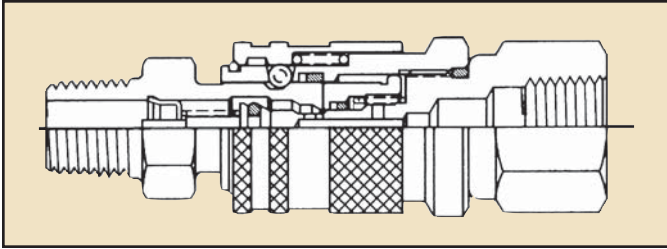
SERIES	SIZE	FEMALE THREAD	CATALOG NO. PLUG	CATALOG NO. COUPLER
CU4	1/2"	3/4"-16 UNF (ORB) 7/8"-14 UNF (ORB) 1/2" NPTF 3/4" NPTF	P4-8 P4-10 P4-26 P4-31	CU4-26

### PERFORMANCE SPECIFICATIONS

RATED OPERATING PRESSURE:	3,000 PSIG
BURST PRESSURE:	12,000 PSIG
RATED FLOW:	12 GPM
TEMPERATURE RANGE:	-40° F TO 225° F

# Diagnostic Test Port Quick-Couplers

TOMCO Series DK. Double Shut-Off



TOMCO Series DK diagnostic test port couplers are designed for permanent hydraulic system installation to provide an easy and convenient means of connection with pressure gauges, temperature sensors and other diagnostic instruments. The convenient flush face style design reduces spillage and inclusion during coupling. Tomco DK Series plugs are precision machined from high tensile steel, and tempered for superior performance.

The DK Series couplers include chrome steel locking balls, heat treated locking sleeves, and nitrile seals with Teflon back-up rings for continuous service at pressures up to 6,000 psi.

**FEATURES:**

HIGH STRENGTH PLUGS

MINIMUM SPILL DESIGN

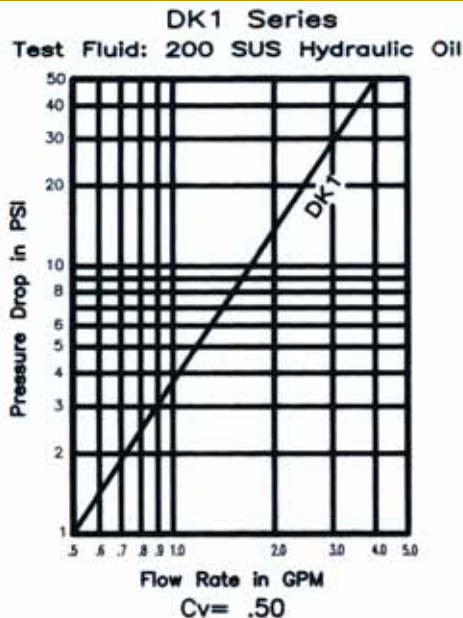
TEFLON BACK-UP RINGS

HEAVY DUTY HEAT TREATED LOCKING MECHANISMS

**Series DK Performance Specifications:**

RATED OPERATING PRESSURE:	6,000 PSIG
BURST PRESSURE:	30,000 PSIG
RATED FLOW:	1.0 GPM (4 GPM MAX.)
Cv:	.50
VACUUM RATING:	28 IN/HG
AIR INCLUSION:	.02 CC
SPILLAGE:	.10 CC
TEMPERATURE RANGE WITH STANDARD NITRILE SEALS: -40° TO +225° F	

**FLOW RATE**



**DUST CAP**

Part No.	DK1C
----------	------

# TOMCO Double Shut-Off Diagnostic Couplers

## SERIES DK DIAGNOSTIC COUPLERS



FEMALE THREAD	Catalog No.	Catalog No
1/8" NPTF 1/4" NPTF	KP1-11 KP1-16	KC1-11 KC1-16

MALE THREAD	Catalog No.	Catalog No
1/8" NPTF 1/4" NPTF	KP1-10 KP1-15	- KC1-15

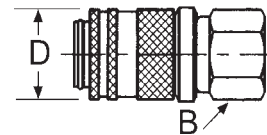
MALE O.R.B.	Catalog No.
7/16 - 20 9/16 - 18	KP1-4 KP1-6

Dimensions - All dimensions are in inches

PART NO.	A FEMALE NPTF	B HEX SIZE	C
KP1-11	1/8"	.56	1.49
KP1-16	1/4"	.75	1.61

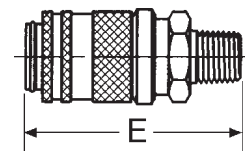
PART NO.	A FEMALE NPTF	B HEX SIZE	D	E
KC1-11	1/8"	.81	.96	1.67
KC1-16	1/4"	.81	.96	2.12

PART NO.	A MALE NPTF	B HEX SIZE	C
KP1-10	1/8"	.69	1.58
KP1-15	1/4"	.69	1.52



PART NO.	A MALE NPTF	B HEX SIZE	D	E
KC1-15	1/4"	.81	.96	2.26

PART NO.	A MALE ORB	B HEX SIZE	C
KP1-4	7/16 - 20	.69	1.56
KP1-6	9/16 - 18	.69	1.38



# TOMCO STRAIGHT THROUGH

## SERIES ST

INDUSTRIAL INTERCHANGE

**Working Range:**  
See Pressure Chart Below  
**Temperature:** -40° to +225° F



PLUG



MANUAL COUPLER

Straight Through or “Full Flow” couplers are non-valved and are usually applied in liquid systems needing maximum flow with no restrictions. Some typical applications are in chemical processing, pressure wash, plastic mold coolant lines, on water manifolds, food processing and other liquid handling applications where shut-offs are not needed and full flow is advantageous.

Body Size	Plug	Plug	Coupler	Coupler
	MALE PIPE	FEMALE PIPE	MALE PIPE	FEMALE PIPE
<b>BRASS</b>				
1/8"	SP1M	SP1	ST1M	ST1
1/4"	SP2M	SP2	ST2M	ST2
3/8"	SP3M	SP3	ST3M	ST3
1/2"	SP4M	SP4	ST4M	ST4
3/4"	SP6M	SP6	ST6M	ST6
1"	SP8M	SP8	ST8M	ST8
1-1/4"	SP10M	SP10	-	ST10
1-1/2"	SP12M	SP12	-	ST12
<b>STAINLESS STEEL</b>				
1/8"	SP1M-303	SP1-303	ST1M-303	ST1-303
1/4"	SP2M-303	SP2-303	ST2M-303	ST2-303
3/8"	SP3M-303	SP3-303	ST3M-303	ST3-303
1/2"	SP4M-303	SP4-303	ST4M-303	ST4-303
<b>STEEL</b>				
1/8"	SP1M-S	SP1-S	-	-
1/4"	SP2M-S	SP2-S	-	-
3/8"	SP3M-S	SP3-S	-	-
1/2"	SP4M-S	SP4-S	-	-
3/4"	SP6M-S	SP6-S	-	-
1"	SP8M-S	SP8-S	-	-
1-1/4"	-	-	-	-
1-1/2"	SP12M-S	SP12-S	-	-

Size	Brass Coupler Steel Plug	Brass Coupler Brass Plug	Stainless Coupler and Plug	Materials
1/8"	2600	2500	4200	<b>Coupler:</b> Brass or 303 Stainless
1/4"	5500	5200	6700	
3/8"	3500	2700	5500	<b>Plug:</b> Steel, Brass or 303 Stainless
1/2"	2700	2200	3000	
3/4"	1700	1700	1700	<b>Seals:</b> Standard for ST series is Nitrile. Viton and EP also Available.
1"	2000	1200	1700	
1-1/4"	2700	1700	2200	<b>Component Parts:</b> Locking Balls; Stainless Sleeve Springs; Stainless
1-1/2"	2200	1400	2500	
COUPLER'S MINIMUM BURST PRESSURE = APPROXIMATELY 4 X WORKING PRESSURE				



# Mold Coolant-Line Quick Couplers

## TOMCO Series MC200, MC300 & MC500

**OPERATING PRESSURE:**  
200 psig (14.06 Kg/sq. cm)  
**WORK RANGE:**  
SILICONE: - 90°F to + 400°F (- 68°C to + 205°C)  
VITON: - 15°F to + 400°F (-26°C to + 204°C)

TOMCO coolant couplers are engineered for optimum speed and performance in connecting coolant lines to molds used for thermoplastic, thermosetting, blow molding, diecasting and on other types of tooling and equipment utilizing a constant fluid flow pumped through cooling channels.

The quick connect feature of TOMCO couplers greatly simplifies installation and removal of molds. It dramatically reduces machinery down time.

To meet virtually any hook-up requirements, TOMCO coolant couplers are supplied in three configurations: straight stem, 90° stem and 45° stem.

Couplers are precision machined from corrosion resistant brass and are fitted with either regular hose barbs or barbs for "push-on" type hose (indicated by a suffix "P" on the part number). The "push-on" type hose and barb combination eliminates the need for clamps for a secure hose-to-barb assembly.

TOMCO couplers are available as straight-through or valved type (indicated by a suffix "V" on the part number). This valve prevents fluid loss through the coupler when it is disconnected.

Standard seals are manufactured from a special silicone compound that is resistant to the destructive effects of water, glycol (anti-freeze) or air. Viton is available for use with oil or other coolants.

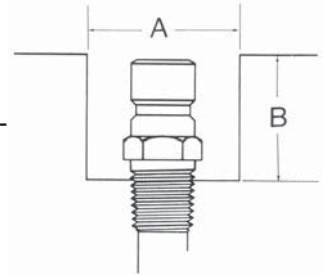
TOMCO Series MC200, MC300 and MC500 male plugs are designed to be threaded directly into mold coolant ports.



### MALE PLUG (BRASS)

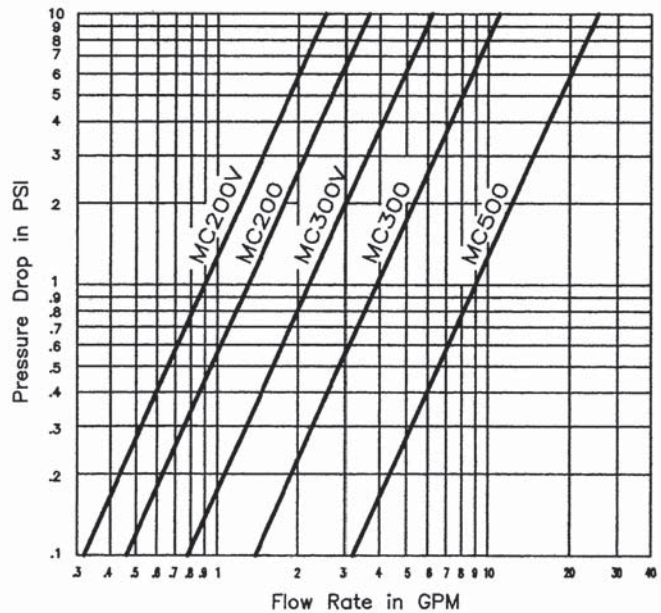
1/4" BASIC SIZE		A	B
1/8" NPTF	MP251	0.69	0.69
1/4" NPTF	MP252	0.84	0.94
3/8" NPTF	MP253	1.00	0.97
3/8" BASIC SIZE			
1/4" NPTF	MP352	1.00	0.94
3/8" NPTF	MP353	1.00	1.13
1/2" NPTF	MP354	1.81	1.25
1/2" BASIC SIZE			
1/2" NPTF	MP554	1.25	1.50
3/4" NPTF	MP556	1.50	1.56

Protective counterbored holes in the mold ports permit these plugs to be mounted below the surface greatly simplifying handling and storage of molds. TOMCO male plugs are manufactured of corrosion resistant brass. Female plugs are intended for use on pipe nipples when the connection needs to be made outside the mold. They are machined from alloy steel.



### FLOW RATE

MC Series (200, 300, & 500)  
Test Fluid: Water @ 68°F



### FEMALE PLUG (STEEL)

1/8" NPTF	MP251F
1/4" NPTF	MP252F
3/8" NPTF	MP253F
1/4" NPTF	MP352F
3/8" NPTF	MP353F
-	-
1/2" NPTF	MP554F
3/4" NPTF	MP556F

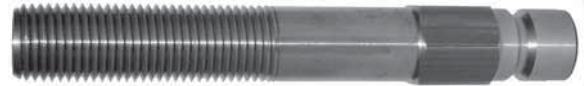
# TOMCO

## Mold Coolant

### Brass Extension Plugs

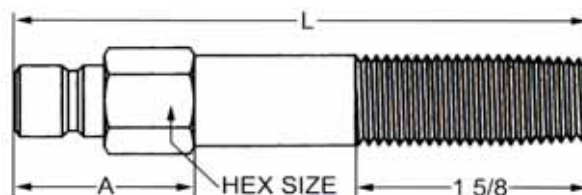
## SERIES MC200 & MC300

### BRASS EXTENSION PLUGS



ONE PIECE CONSTRUCTION ASSURES RELIABLE ASSEMBLY AND POSITIVE REMOVAL. END THREADS ARE STANDARD TAPERED NPT FOR RELIABLE INSTALLATION AND LEAK FREE PERFORMANCE.

<b>MC200</b>				
<b>1/8 PIPE EXTENSIONS</b>				
<b>NUMBER</b>	<b>L</b>	<b>PIPE SIZE</b>	<b>HEX SIZE</b>	<b>A</b>
MP251-250	2.50	1/8 NPT	7/16	.69
MP251-400	4.00	1/8 NPT	7/16	1.00
MP251-550	5.50	1/8 NPT	7/16	1.00
MP251-700	7.00	1/8 NPT	7/16	1.00
MP251-850	8.00	1/8 NPT	7/16	1.00
<b>1/4 PIPE EXTENSIONS</b>				
MP252-250	2.50	1/4 NPT	9/16	.88
MP252-400	4.00	1/4 NPT	9/16	1.25
MP252-550	5.50	1/4 NPT	9/16	1.25
MP252-700	7.00	1/4 NPT	9/16	1.25
MP252-850	8.50	1/4 NPT	9/16	1.25
<b>3/8 PIPE EXTENSIONS</b>				
MP253-250	2.50	3/8 NPT	11/16	1.00
MP253-400	4.00	3/8 NPT	11/16	1.25
MP253-550	5.50	3/8 NPT	11/16	1.25
MP253-700	7.00	3/8 NPT	11/16	1.25
MP253-850	8.50	3/8 NPT	11/16	1.25
<b>MC300</b>				
<b>1/4 PIPE EXTENSIONS</b>				
MP352-250	2.50	1/4 NPT	9/16	.88
MP352-400	4.00	1/4 NPT	9/16	1.25
MP352-550	5.50	1/4 NPT	9/16	1.25
MP352-700	7.00	1/4 NPT	9/16	1.25
MP352-850	8.50	1/4 NPT	9/16	1.25
<b>3/8 PIPE EXTENSIONS</b>				
MP353-250	2.50	3/8 NPT	11/16	1.00
MP353-400	4.00	3/8 NPT	11/16	1.25
MP353-550	5.50	3/8 NPT	11/16	1.25
MP353-700	7.00	3/8 NPT	11/16	1.25
MP353-850	8.50	3/8 NPT	11/16	1.25
<b>1/2 PIPE EXTENSIONS</b>				
MP354-250	2.50	1/2 NPT	7/8	1.13
MP354-400	4.00	1/2 NPT	7/8	1.50
MP354-550	5.50	1/2 NPT	7/8	1.50
MP354-700	7.00	1/2 NPT	7/8	1.50
MP354-850	8.50	1/2 NPT	7/8	1.50



# Mold Coolant-Line Quick Couplers

SERIES MC200, MC300 & MC500

D-M-E, PARKER and FOSTER INTERCHANGE

*Sleeve Lock is available with all sizes of non-valved couplers.*



## 1/4" BASIC SIZE, BRASS

STRAIGHT THROUGH (Non-Valved)				
<b>FITS HOSE I.D.</b> 1/4" 1/4" (Push-On) 5/16" 3/8" 3/8" (Push-On)	<b>Straight Stem</b> MC204 MC204P MC205 MC206 MC206P	<b>90° Stem</b> MC214 MC214P MC215 MC216 MC216P	<b>45° Stem</b> MC224 MC224P MC225 MC226 MC226P	<b>Body Only</b> MC200 (1/8" FPT)

VALVED				
<b>FITS HOSE I.D.</b> 1/4" 1/4" (Push-On) 5/16" 3/8" 3/8" (Push-On)	<b>Straight Stem</b> MC204V MC204VP MC205V MC206V MC206VP	<b>90° Stem</b> MC214V MC214VP MC215V MC216V MC216VP	<b>45° Stem</b> MC224V MC224VP MC225V MC226V MC226VP	<b>Body Only</b> MC200V (1/8" FPT)

## 3/8" BASIC SIZE, BRASS

STRAIGHT THROUGH (Non-Valved)				
<b>FITS HOSE I.D.</b> 3/8" 3/8" (Push-On) 1/2" 1/2" (Push-On) 1/2" (High Flow)	<b>Straight Stem</b> MC306 MC306P MC308 MC308P MC308HF	<b>90° Stem</b> MC316 MC316P MC318 MC318P MC318HF	<b>45° Stem</b> MC326 MC326P MC328 MC328P MC328HF	<b>Body Only</b> MC300 (1/4" FPT)  MC300HF (3/8" FPT)

VALVED				
<b>FITS HOSE I.D.</b> 3/8" 3/8" (Push-On) 1/2" 1/2" (Push-On)	<b>Straight Stem</b> MC306V MC306VP MC308V MC308VP	<b>90° Stem</b> MC316V MC316VP MC318V MC318VP	<b>45° Stem</b> MC326V MC326VP MC328V MC328VP	<b>Body Only</b> MC300V (1/4" FPT)

## 1/2" BASIC SIZE, BRASS

STRAIGHT THROUGH (Non-Valved)				
<b>FITS HOSE I.D.</b> 1/2" 1/2" (Push-On) 3/4"	<b>Straight Stem</b> MC504 MC504P MC506	<b>90° Stem</b> MC514 MC514P MC516	<b>45° Stem</b> MC524 MC524P MC526	<b>Body Only</b> MC500 (1/2" FPT)

**High Flow Capability in MC Series** - The 3/8" size MC300HF coupler utilizes a 3/8" Fe Pipe fitting port, rather than a standard 1/4" Fe Pipe port, to increase fluid volume.

Compared to standard 1/4" ported MC300 couplers:

- MC300HF yields 37% greater fluid volume.
- MC308HF, MC318HF, and MC328HF yield 17% greater fluid volume.

Continuing manufacturing and engineering advances may cause changes to the data shown.

# TOMCO Pneumatic "SLIM-FLOW" QUICK-CONNECT

**SERIES 3400 1/4" BASIC SIZE**

**SERIES 3600 3/8" BASIC SIZE**

**SERIES 3800 1/2" BASIC SIZE**

Tomco "SLIM-FLOW" Quick-Connect Fittings are of exceptionally streamlined configuration for use in restricted area line connections found in instrumentation, system control, or chemical processing systems. Applications include pressure-sensing hookups, panelboard connections, portable instrumentation lines, instrument manifolds, etc., where quick-connect or disconnect feature is essential.

- Simplicity of design
- Available in Brass or 316 Stainless Steel

- Positive roller lock latching mechanism permits 360° swivel action
- One hand required to connect or disconnect
- Viton seals standard. Other materials available. Consult factory
- Smallest possible dimensions with maximum orifice size
- Integral flareless tube port fittings
- Temperature ranges +20°F to 400°F (standard seals)
- Vacuum Data: Connected 29.50 in. Hg  
Disconnected Consult factory

## FLOW AND PRESSURE DROP

### 3400 SERIES

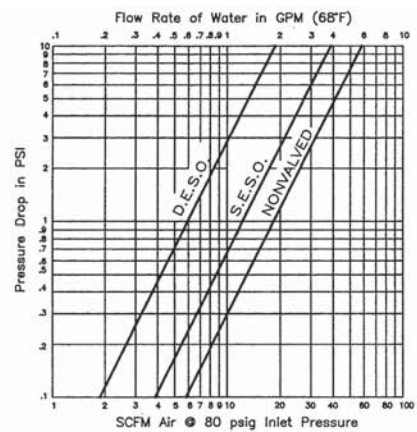
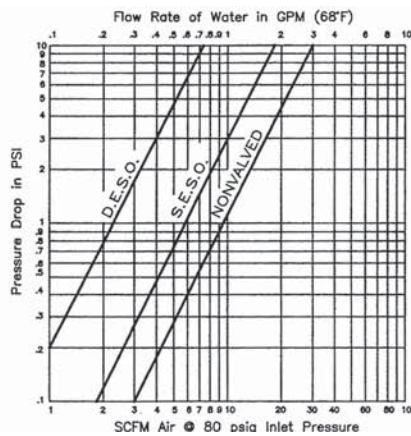
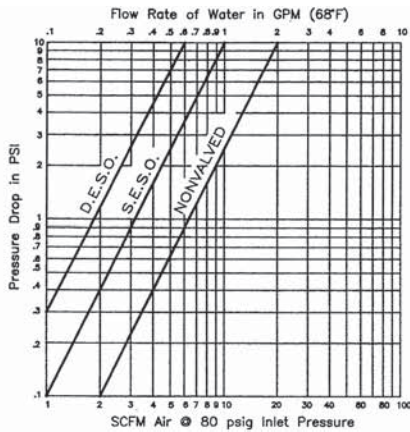
Max. operating pressure: 500 psig  
Max. connect/disconnect pressure: 250 psig

### 3600 SERIES

Max. operating pressure: 300 psig  
Max. connect/disconnect pressure: 150 psig

### 3800 SERIES

Max. operating pressure: 200 psig  
Max. connect/disconnect pressure: 100 psig



### SCFM AIR [80 PSIG INLET PRESSURE]

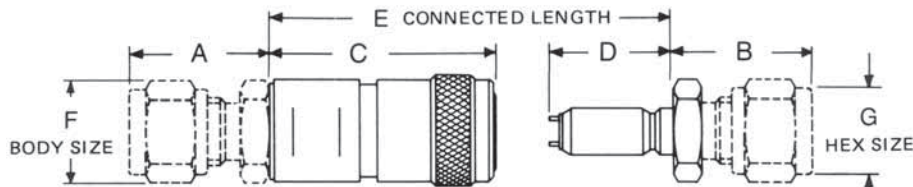
- 1/4 SINGLE END SHUTOFF
- 1/4 DOUBLE END SHUTOFF
- 1/4 NON-VALVED

### SCFM AIR [80 PSIG INLET PRESSURE]

- 3/8 SINGLE END SHUTOFF
- 3/8 DOUBLE END SHUTOFF
- 3/8 NON-VALVED

### SCFM AIR [80 PSIG INLET PRESSURE]

- 1/2 SINGLE END SHUTOFF
- 1/2 DOUBLE END SHUTOFF
- 1/2 NON-VALVED



	FEMALE PIPE THREAD			MALE PIPE THREAD			FLARELESS TUBE FITTING		BULKHEAD FLARELESS TUBE FITTING		AN FLARED TUBE (MS33656)			BULKHEAD AN FLARED TUBE (MS33657)			C	D	E	F	G		
	SIZE	A	B	SIZE	A	B	SIZE	A	B	SIZE	A	B	SIZE	A	B								
SERIES 3400	1/8	.72	.75	1/8	.56	.56	1/8	.87	.63	1/4	1.35	1.23	1/4	.69	.69	1/4	1.06	.88	1.48	.80	1.50	21/32	9/16
	1/4	.78	.91	1/4	.75	.81	1/4	.94	1.13	1/4	1.35	1.23	1/4	.69	.69	1/4	1.06	.88	1.48	.80	1.50	21/32	9/16
SERIES 3600	1/4	.96	.96	1/4	.75	.75	1/4	.94	.94	3/8	1.70	1.70	-	-	-	-	-	-	1.65	.83	1.70	25/32	11/16
	3/8	.96	.96	3/8	.75	.75	3/8	1.03	1.03	3/8	1.70	1.70	-	-	-	-	-	-	1.65	.83	1.70	25/32	11/16
SERIES 3800	3/8	.81	.81	3/8	.81	.81	3/8	1.10	1.10	1/2	1.90	1.90	-	-	-	-	-	-	2.30	1.05	2.37	1	7/8
	1/2	1.00	1.00	1/2	1.00	1.00	1/2	1.10	1.12	1/2	1.90	1.90	-	-	-	-	-	-	2.30	1.05	2.37	1	7/8

NOTE: Valved plug must be used with valved coupler. Valved coupler, however, may also be used with unvalved plug.



PLUG



AUTOMATIC COUPLER

FEMALE THREAD	Catalog No.				Catalog No.			
	VALVED		NON-VALVED		VALVED		NON-VALVED	
	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST
1/8" NPT	3470R3	3472R3	3460R3	3462R3	3450R3	3452R3	3440R3	3442R3
1/4" NPT	3470R4	3472R4	3460R4	3462R4	3450R4	3452R4	3440R4	3442R4
1/4" NPT	3670R3	3672R3	3660R3	3662R3	3650R3	3652R3	3640R3	3642R3
3/8" NPT	3670R4	3672R4	3660R4	3662R4	3650R4	3652R4	3640R4	3642R4
3/8" NPT	3870R3	3872R3	3860R3	3862R3	3850R3	3852R3	3840R3	3842R3

MALE THREAD	Catalog No.				Catalog No.			
	VALVED		NON-VALVED		VALVED		NON-VALVED	
	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST
1/8" NPT	3470R1	3472R1	3460R1	3462R1	3450R1	3452R1	3440R1	3442R1
1/4" NPT	3470R2	3472R2	3460R2	3462R2	3450R2	3452R2	3440R2	3442R2
1/4" NPT	3670R1	3672R1	3660R1	3662R1	3650R1	3652R1	3640R1	3642R1
3/8" NPT	3670R2	3672R2	3660R2	3662R2	3650R2	3652R2	3640R2	3642R2
3/8" NPT	3870R1	3872R1	3860R1	3862R1	3850R1	3852R1	3840R1	3842R1
1/2" NPT	3870R2	3872R2	3860R2	3862R2	3850R2	3852R2	3840R2	3842R2

FLARELESS TUBE FITTING	VALVED		NON-VALVED		VALVED		NON-VALVED	
	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST	BRASS	316-SST
	1/8" TUBE	3470R5	3472R5	3460R5	3462R5	3450R5	3452R5	3440R5
1/4" TUBE	3470R6	3472R6	3460R6	3462R6	3450R6	3452R6	3440R6	3442R6
1/4" TUBE	3670R5	3672R5	3660R5	3662R5	3650R5	3652R5	3640R5	3642R5
3/8" TUBE	3670R6	3672R6	3660R6	3662R6	3650R6	3652R6	3640R6	3642R6
3/8" TUBE	3870R4	3872R4	3860R4	3862R4	3850R4		3840R4	
1/2" TUBE	3870R5	3872R5	3860R5	3862R5	3850R5	3852R5	3840R5	3842R5

BULKHEAD FLARELESS TUBE FITTING								
1/4" TUBE	3470R7	3472R7	3460R7	3462R7	3450R7	3452R7	3440R7	3442R7
3/8" TUBE	3670R7	3672R7	3660R7	3662R7	3650R7	3652R7	3640R7	3642R7
1/2" TUBE						3852R6		3842R6

AN FLARED TUBE								
1/4" TUBE		3472R9		3462R9	3450R9	3452R9	3440R9	3442R9

BULKHEAD AN FLARED TUBE								
1/4" TUBE				3462R10			3440R10	

### DUST AND CAP PLUGS

Tomco dust caps and plugs prevent contamination of disconnected fluid systems. They prevent introduction of dirt, grit, and other contaminants into the system through the "Slim-Flow" component.



DUST CAP



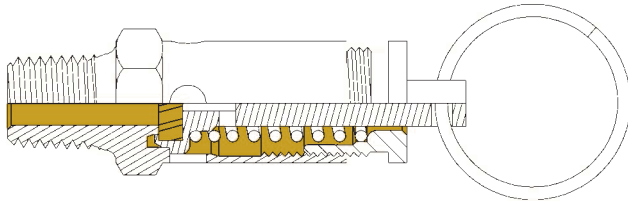
DUST PLUG

SIZE	PART NO.	
	BRASS	316-SST
1/4"	3400 CPC	3400 CPC-316
3/8"	3600 CPC	3600 CPC-316

SIZE	PART NO.	
	BRASS	316-SST
1/4"	3400 CPP	3400 CPP-316
3/8"	3600 CPP	3600 CPP-316
1/2"	3800 CPP	3800 CPP-316

# TOMCO Safety Valves

Factory Preset and Sealed



## SERIES 1780

- Premium quality, corrosion-resistant safety valves
- Engineered for air compressor tanks and other non-fired pressure vessels and instruments
- Staked closed to prevent tampering
- Pressure settings available from 40 to 200 PSIG
- $\pm 3\%$
- Choice of 1/4" or 3/8" NPTF mounting threads
- Optimum high-flow discharge rates
- Operating temperatures -40°F to 350°F (-40°C to 177°C)
- Maximum installation torque: 100 lb.in.
- CRN OG-679-C

### ORDERING INFORMATION

#### Example:

**Series Code - 1780 Vent Pressure** - Specify between 40 to 200 PSI

**178 4 J • 190**

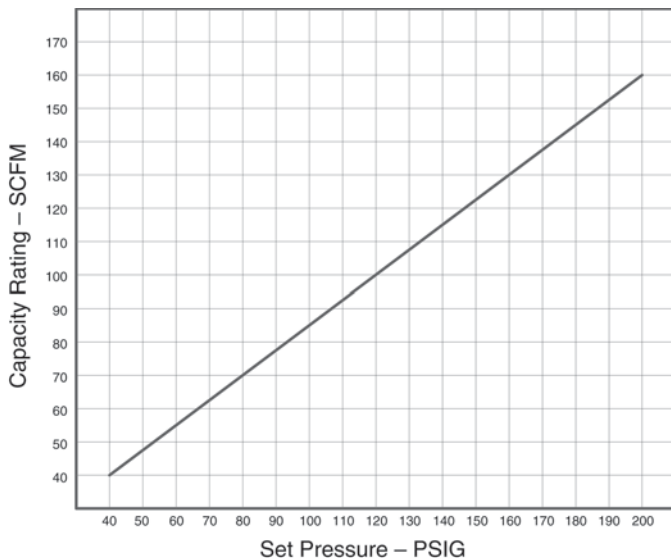
**Thread Size**  
4 = 1/4 NPTF  
6 = 3/8 NPTF

**Seal Material**  
J = Silicon, -40°F to 350°F  
K = Viton®, -15°F to 400°F

#### Examples:

**1784J-160 =**  
1/4 NPTF Thread, Silicon Seal, 160 PSIG Vent Pressure

**1786K-140 =**  
3/8 NPTF Thread, Viton Seal, 140 PSIG Vent Pressure



Continuing manufacturing and engineering advances may cause changes to the data shown.

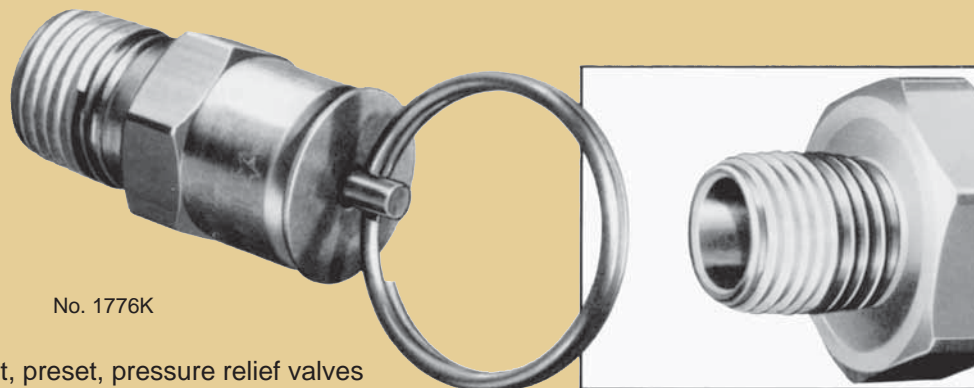
Factory Preset

# PRESSURE RELIEF VALVES

## SERIES 1776K

Cracking Pressure Ranges Available  
From 4 psig thru 75 psig

Shield Disc Color Coded to Indicate Cracking Pressure

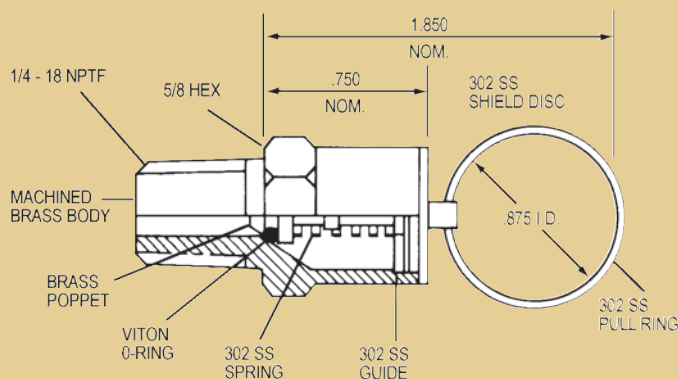


No. 1776K

TOMCO low cost, preset, pressure relief valves are thoroughly engineered and precision manufactured to protect against equipment damage or personnel injury that may result from dangerous pressure build-ups.

- Usable indoors or out
- Automatically vent at your selected pressure level
- Automatically reseal when pressure returns to "normal"
- May be manually opened as a safety precaution before field or shop servicing of the vessel
- Stainless steel shield-disc protects against dirt, insects, and contaminants entering valve
- Seals against vacuum
- Machined solid brass bodies
- 302 stainless steel springs, guides, shield-discs and pull rings
- The precision spring is double heat treated to eliminate temperature /time fatigue
- High strength precision-rolled threads
- Quickly and easily installed

A time-saving, money-saving feature of TOMCO relief valves is that their threads are "pretaped" with teflon tape to assure leak-proof installation. The first 1 1/2 threads are teflon-free to eliminate potential for tape shredding into, and contaminating, the vessel interior.



TOMCO	CRACKING PRESSURE (PSIG)*	FLOW (SCFM)Ü
1776K-O-05	5	12
1776K-O-10	10	30
1776K-O-15	15	43
1776K-O-20	20	50
1776K-O-25	25	56
1776K-O-30	30	63
1776K-O-40	40	82
1776K-O-50	50	97
1776K-O-60	60	110
1776K-O-75	75	134

TOMCO	CRACKING PRESSURE (PSIG)*	FLOW (SCFM)Ü
1776K-S-05	5	3
1776K-S-10	10	10
1776K-S-15	15	12
1776K-S-20	20	14
1776K-S-25	25	21
1776K-S-30	30	36
1776K-S-40	40	52
1776K-S-50	50	69
1776K-S-60	60	85
1776K-S-75	75	110

Part number with the middle letter "O" indicates the valve is supplied with a pull ring and shield disc.  
Part number with the middle letter "S" indicates the valve is supplied without pull ring and shield disc.  
\*Cracking Pressure: psig ±10% †Flow (SCFM): Measured at 125% of cracking pressure

FOR CRACKING PRESSURES OTHER THAN THOSE LISTED ABOVE, PLEASE CONTACT FACTORY.

 **WARNING**

FAILURE, IMPROPER SELECTION, OR IMPROPER USE OF THE PRODUCTS AND /OR SYSTEMS DESCRIBED HEREIN, OR RELATED ITEMS, CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from TOMCO, its subsidiaries, and authorized distributors, provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products, or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability, and pricing, are subject to change by TOMCO and its subsidiaries at any time without notice.

**SAFETY GUIDE**

1. Quick couplers can fail without warning for a variety of reasons. All systems and equipment should be of a fail-safe design to avoid endangering persons and property.
2. Any person responsible for selecting or using quick couplers should read and understand this safety guide as well as specific information about product selection.
3. TOMCO and its distributors do not represent or warrant that any quick coupler is suitable for any specific end use system. The user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety, and warning requirements are met.

**FLUID AND TEMPERATURE**

Body and seal materials of the coupler must be compatible with the fluid media and ambient temperature both steady and transient. Do not exceed the limits of the coupler.

**SIZE**

Transmission of power by means of pressurized fluid varies with pressure and flow rate. The size of the coupler must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

**ENVIRONMENT**

Environmental conditions including, but not limited to, moisture, water, chemicals, ozone, ultraviolet radiation and air pollutants can cause degradation and premature failure.

**LOCKING MECHANISM**

Couplers can accidentally disconnect when dragged over obstructions on the end of a hose. Where there is a potential for this to occur, sleeve lock design should be considered.

**LOADS**

Mechanical loads such as: excessive tensile, side loading, or vibration can reduce coupler life or cause failure.

**VACUUM**

When selecting a coupler for vacuum service, make sure it will withstand the vacuum and pressure of the system. Not all couplers are suitable for vacuum service.

**COUPLER INSTALLATION**

Couplers should be located so as not to expose the operator to hot or moving parts, potential of falling, slipping, or other hazardous conditions.

**HOSE WHIP**

A short length of hose between the tool and the coupler half should be used instead of a rigid mount. This reduces the potential for coupler damage and provides some isolation from mechanical vibration which could cause accidental uncoupling.

**PRESSURE**

When selecting your coupler make sure the published pressure rating is equal to, or greater than, the maximum system pressure. High surge pressure can shorten the life of the coupler.

 **WARNING**

**DO NOT GO NEAR FLUID LEAKS**

- High pressure leaks of fluids such as oil easily puncture skin and can cause serious injury, gangrene or death.
- If injured, seek emergency medical help. Immediate surgery is required to remove oil.
- Do not use your fingers or skin to check for leaks.
- Lower load or relieve tool pressure before loosening fittings.





# Seal Compatibility Guide

The seal information shown on this page is intended to aid in the selection of appropriate seal materials based on testing by TOMCO and/or recommendations supplied by seal material manufacturers. This listing is not intended as a recommendation for suitability for TOMCO products for any specific application. Proper evaluation of all operating and safety conditions must be considered when selecting a coupler and seal combination for any specific situation. If any doubt exists, or for selection assistance contact TOMCO.

**Notes:**

1. EP seals are not compatible with mineral/petroleum oils or grease.
2. Elastomeric materials are particularly combustible in the presence of pure oxygen. Effects of sparks and adiabatic heating have been known to cause explosions. TOMCO Products makes no recommendation and assumes no liability for the use of its products for high or pure oxygen concentrations.
3. Paint solvent applications often involve combined fluids for which no single elastomer is compatible. It is recommended that the TOMCO engineering department be contacted for seal material selection for these fluids.
4. TOMCO brass THK Series couplers with 204 seals may be operated at temperatures up to 338°F and 100 PSIG for steam service.
5. Vacuum applications require clean systems free from particulate contamination.

Fluid/Service Temperature Seal TOMCO (°F) Material Code			
Acetone	-65 to 200	EP (1)	204
Acetylene Gas	40 to 200	Nitrile	Std.
Air, Cold	-40 to 250	Nitrile	Std.
Air, Hot	20 to 300	Viton	201
Alkalies	-40 to 160	Nitrile	Std.
Ammonia, Anhydrous	-65 to 240	EP (1)	204
Ammonia, Aqueous	-65 to 200	EP (1)	204
Benzene	20 to 250	Kalrez®	203
Brake Fluid, Non-Petroleum	-65 to 200	EP (1)	204
Butane	-40 to 200	Nitrile	213
Carbon Dioxide, Low Pressure	-65 to 200	Nitrile	213
Diesel Fuel, Cold	-65 to 120	Nitrile	Std.
Diesel Fuel, Hot	20 to 250	Viton	201
Ethanol	-65 to 200	EP (1)	204
Ethylene Glycol	-40 to 200	Nitrile	Std.
Freon, 11, 112 & 113	-40 to 200	Nitrile	Std.
Freon, 12, 22 & 502	-40 to 200	Neoprene	206
Fuel Oils, General	20 to 250	Viton	201
Gasoline, Non-Oxygenated	20 to 250	Viton	201
Gasoline, Oxygenated (M85)	20 to 250	Kalrez	203
Glycol	-40 to 200	Nitrile	Std.
HCFC 123 & 134A	-40 to 200	Neoprene	206
Helium Gas	-40 to 200	Nitrile	Std.
Hydraulic Oils, Petroleum	-40 to 250	Nitrile	Std.
Jet Fuel	-40 to 120	Nitrile	Std.
Kerosene	-40 to 250	Nitrile	Std.
LP Gas, UL Approved	-65 to 250	Nitrile	Std.
Methane	-40 to 120	Nitrile	Std.
Methanol	-65 to 160	EP (1)	204
Methyl Ethyl Ketone	-65 to 120	EP (1)	204
MIL-H-5806 & 6083	-40 to 250	Nitrile	Std.
Mineral Spirits	-65 to 250	Nitrile	Std.
Nitrogen Gas	-40 to 225	Nitrile	Std.
Oxygen Gas, Low Pressure	-40 to 100 (2)	Neoprene	206
Paint Solvents	(3)	(3)	
Propane	-65 to 250	Nitrile	213
Refrigerants	(See Freon & HCFC)		
Steam, General Service (4)	300 Max. at 68 PSIG	EP (1)	204
Stoddard Solvent	65 to 250	Nitrile	Std.
Toluene	20 to 200	Viton	201
Transmission Fluid, Type A	-40 to 250	Nitrile	Std.
Turpentine	-40 to 200	Nitrile	Std.
Vacuum	20 to 300 (5)	Viton	201
Water, Cold	Up to 180	Nitrile	Std.
Water, Hot and Steam	Up to 300	EP (1)	204

# General Coupler Information

No other company manufactures a better coupler than TOMCO. Our couplers and plugs are precision engineered and feature tough, wear-resistant, and anti-corrosion materials for maximum performance and long life. Here are a few features that set TOMCO couplers apart from the rest:

- Fatigue-resistant stainless steel springs
- All components subject to wear are properly hardened
- Carbon steel parts are heavily plated for optimum corrosion resistance
- Standard seals are made of Nitrile, except Slim-Flow seals which are made of Viton®. Other seal materials are available to meet specific needs.

## Alternate Materials

Prices and availability of alternate materials with specific couplings are shown in the current TOMCO Price List. Consult TOMCO for specific recommendations.

## Materials Part No. Suffix

Viton 201  
EP 204  
Neoprene 206

## Coupler Standards

Coupler Series No.	Coupler Material	Valve Material	Seal Material
SC	Brass	Brass	Nitrile
180	Brass body / Steel sleeve and backnut	Steel	Nitrile
M180	Brass body / Steel sleeve and backnut	Acetal	Nitrile
A180	Brass body / Brass sleeve and backnut	Acetal	Nitrile
100	Brass body / Steel sleeve and backnut	Acetal	Nitrile
A100	Brass body / Brass sleeve and backnut	Acetal	Nitrile
T4000	Steel	Steel	Nitrile
T400	Steel	Steel	Nitrile
T5000	Steel	Steel	Nitrile
T500	Steel	Steel	Nitrile
2100	Brass body / Steel sleeve and backnut	Acetal	Nitrile
A2100	Brass body / Steel sleeve and backnut	Acetal	Nitrile
PT400	Steel	Steel	Nitrile
1100	Brass body / Steel sleeve and backnut	Acetal	Nitrile
TL	Aluminum body / Steel Backnut	Acetal	Nitrile
ST	Brass or 303 Stainless Steel	None	Nitrile
GH	Brass	None	Nitrile
THK, Steel	Steel	Steel	Nitrile
THK, Brass	Brass	Brass	Nitrile
THK, SS	303 Stainless Steel	303SS	Nitrile
A5600	Steel	Steel	Nitrile
FF, Steel	Steel	Steel	Nitrile
A5600	Brass	Brass	Nitrile
FS	316 Stainless Steel	316SS	Viton
A5100	Brass	Brass	Nitrile
34/36/3800, SS	316 Stainless Steel	316SS	Viton
34/36/3800, Brass	Brass	Brass	Viton
MC200, 300, 500	Brass	Brass	Silicone
S1-S2 Slide Valves	Brass	Brass	Nitrile
PC	Steel	Steel	Nitrile
JC	Steel	Steel	Poly-U.
U2/U3	Aluminum	Alum.	Nitrile

## Limited Warranty

TOMCO PRODUCTS warrants for a full period of 365 days after delivery that: (1) all TOMCO catalog goods sold will conform to the specifications set forth in the Company's current printed catalog and (2) all specialty manufactured custom ordered goods conform to written plans and/or specifications furnished by Buyer and approved by TOMCO Products. THE AFORESAID ARE THE SOLE WARRANTIES GIVEN BY TOMCO PRODUCTS, AND THERE ARE NO OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE, WHICH EXTEND BEYOND THE AFORESAID WARRANTIES.

### LIMITATION OF REMEDY

BUYER'S SOLE REMEDY FOR ALL ALLEGED BREACH OF ANY OF THE COMPANY'S WARRANTIES OR OBLIGATIONS HEREUNDER, SHALL BE AT TOMCO PRODUCTS SOLE OPTION TO: (A)

REPLACE OR REPAIR ANY DEFECTIVE OR NON-CONFORMING GOODS, (B) CREDIT BUYER'S ACCOUNT FOR SO MUCH OF THE PURCHASE PRICE AS IT RELATES TO ANY DEFECTIVE OR NON-CONFORMING GOODS, (C) REFUND TO BUYER THE PURCHASE PRICE FOR ANY DEFECTIVE OR NON-CONFORMING GOODS.

### LIMITATION OF LIABILITY

TOMCO PRODUCTS LIABILITY WITH ANY RESPECT TO ANY BREACH HEREUNDER OR RELATING TO ANY GOODS SOLD PURSUANT HERETO, SHALL BE LIMITED TO THE AMOUNT PAID BY THE BUYER FOR ANY DEFECTIVE OR NON-CONFORMING GOODS. UNDER NO CIRCUMSTANCES SHALL TOMCO PRODUCTS BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR ANY CLAIMS FOR LOST PROFITS.

## Terms and Conditions

**Price and Quotations** - Prices are subject

to change without notice, but such change shall not affect orders already accepted. Quotations are valid for a maximum of 30 days.

**Minimum Charge** - Minimum billing on any order is \$25.00 (US funds).

**Design** - TOMCO PRODUCTS reserves the right to alter specifications, prices, and/or dimensions without notice. Seller assumes no responsibility for revisions of models already supplied.

**Returned Goods** - No purchases shall be accepted for return for any reason unless our prior written authorization has been obtained. All returns are subject to handling charges. All returns must be shipped prepaid.

Sellers sole remedy is to credit buyers account.

**Cancellations** - Deviations from catalog items cannot be cancelled.

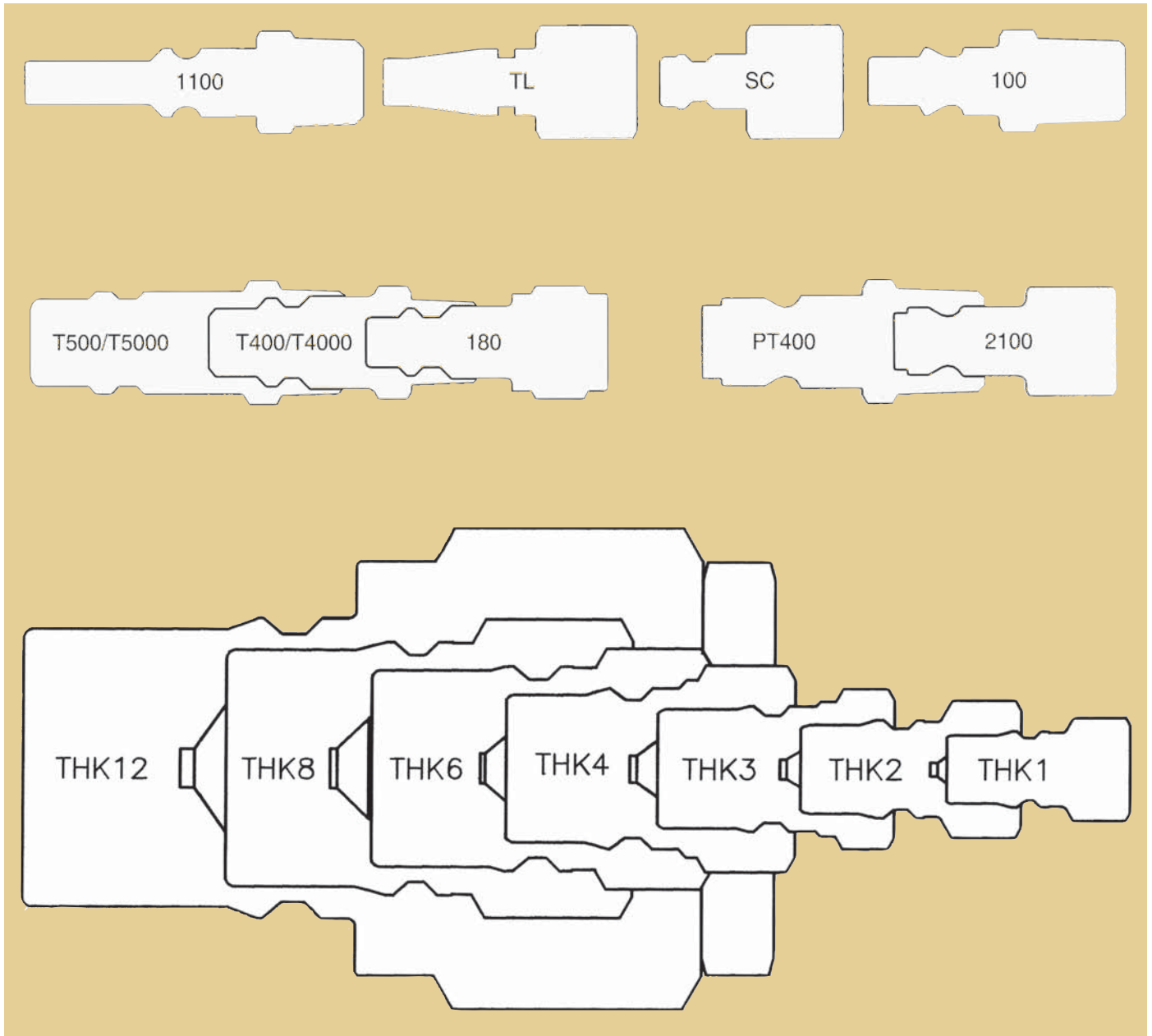
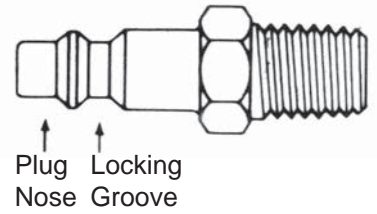
**Terms of Payment** - 1% 10 days, net 30 days, F.O.B. Spartanburg, SC

# Plug Profiles

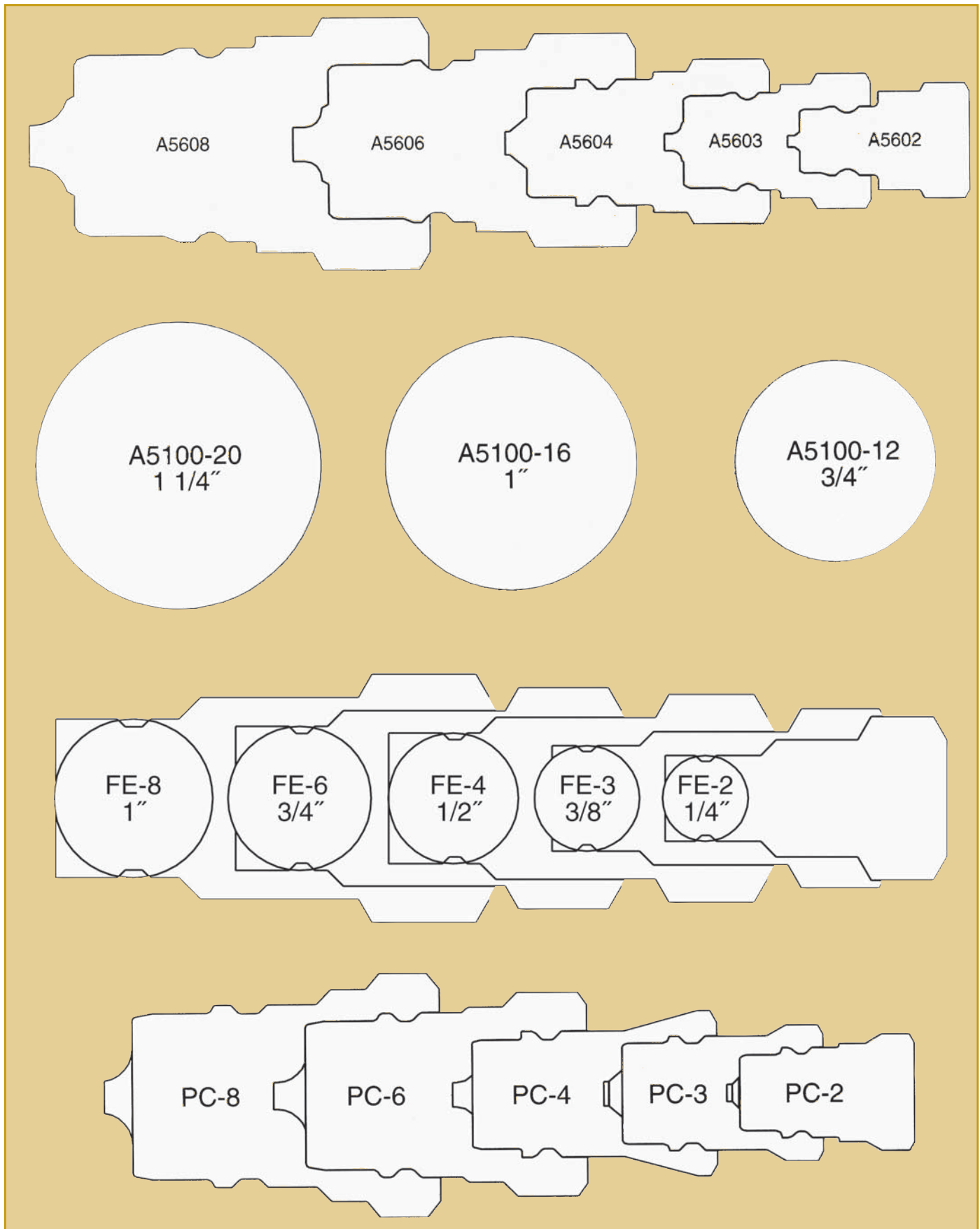
## Plug Profile Chart

### Actual Size Profiles for Identifying Plugs

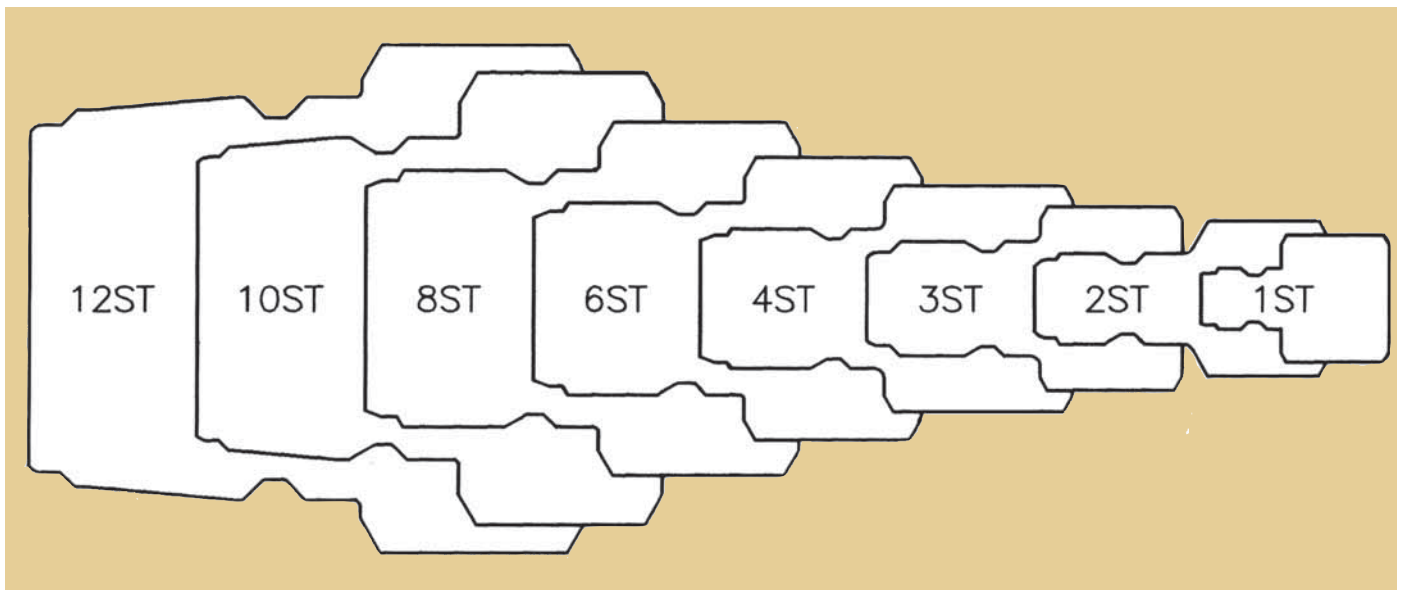
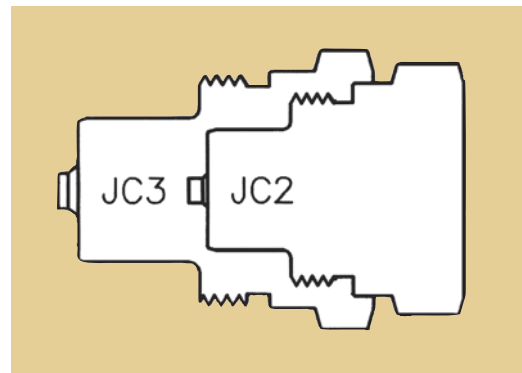
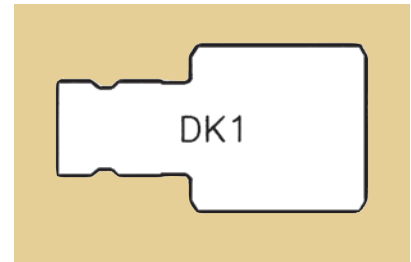
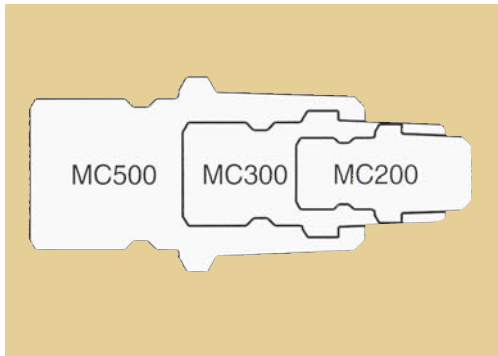
The coupler type is identified by the plug style. Key features are the length of the nose and the type of locking groove. The profiles on these pages illustrate the most popular styles.



# Plug Profiles



# Plug Profiles









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