

# THERMOPLASTIC QUICK COUPLINGS

## SUBMINIATURE COUPLING

For 1/16, 1/8" & 3 mm ID tubing, FT-SMC Series



FT-SMCD-02  
**\$29**  
 pkg of 10

### Features:

- ✔ Leak Free Seal— Replaceable O-Ring Seal Makes a Reliable Pressure or Vacuum Seal
- ✔ Small Size and Clean Appearance— Space Saving Couplings for In-Line, Panel Mount and Pipe Thread Tubing Connections
- ✔ Easy-to-Use Positive Locking— Reliable Snap-Lock Is Quick and Dependable for Vacuum to 100 psi
- ✔ Eliminates Kinking, Twisting and Accidental Unlocking— Design Allows Tubing to Swivel Independent of Locking Mechanism. This Prevents Accidental Unlocking Typical of Luer Type Connections
- ✔ Corrosion Resistant— Thermoplastic Delrin®/Celcon® Acetal and Polypropylene are Compatible with FDA and Chemical Applications
- ✔ Single Side Shutoff— Automatically Stops Flow When Coupling is Disconnected. Available for 1/16, 1/8" and 3mm Connectors, Body Side Only
- ✔ Gamma Sterilizable— Available in Polycarbonate

### Applications

- ✔ Medical and Surgical Instrumentation
- ✔ Air Logic Systems
- ✔ Pneumatic Control Systems
- ✔ Disposable Medical Devices



FT-SMC series quick disconnect couplings bring reliability, economy and added convenience to users of very small flexible plastic tubing.

OMEGA's FT-SMC coupling is a reliable quick connect system for easy servicing and quick component replacement. Available for in line, panel mount and pipe thread configurations. FT-SMC couplings are a reliable alternative to luer-type connections for medical instruments and devices. Their reliable O-Ring seal makes a leak-free connection every time.



Subminiature couplings offer reliable, repeatable sealing capability for space-constrained applications. Shown here actual size.

### FT-SMC Complete In Line Couplings

**MOST POPULAR MODELS HIGHLIGHTED!**

	<b>1/16 x 1/16" Hose Barb</b>							
	DELRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.	PRICE 10(PK)	DELRIN®/CELCON® ACETAL SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10(PK)	LENGTH THRU	OFF
	FT-SMC-01	\$32	FT-SMCD-01	\$95	FT-SMC-01-12	\$41	1.29"	1.45"
	<b>1/8 x 1/8" Hose Barb— 4 x 4 mm Hose Barb</b>							
	FT-SMC-02	\$29	FT-SMCD-02	\$93	FT-SMC-02-12	\$38	1.60"	1.60"
	<b>3 x 3 mm Hose Barb</b>							
	FT-SMC-M3	\$31	FT-SMCD-M3	\$94	—	—	1.60"	1.60"

## SPECIFICATIONS

**Working Pressure:** Vacuum to 100 psi, 6.9 bar

**Operating Temperature:**

**Acetal:** -40 to 82°C (-40 to 180°F)

**Polypropylene:** 0 to 82°C (32 to 180°F)

**Materials:**

**Coupling:** Delrin®/Celcon® Acetal, Polypropylene

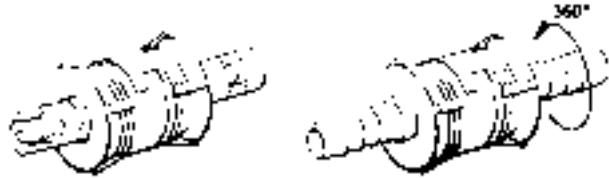
**Locking Sleeves:** Delrin®/Celcon®

**Shutoff Valves:** Polypropylene

**Valve Spring:** 316 Stainless Steel

**Seals:** Buna-N with Delrin®/Celcon® Acetal EPR with Polypropylene

**Tubing Size:** 1/16" and 1/8" ID, 3 mm, 4 mm ID



Exclusive 1/16" shrouded hose barb prevents breakage. Patented.

Tubing ends rotate independently of each other.

**Ordering Information:** FT-SMC couplings can be ordered complete for in line applications. For pipe thread and panel mount applications both coupling halves must be specified. For example, a panel mount body coupling (FT-SMFPM-01) requires an insert half of either 1/16", 1/8", 3 or 4 mm to make a complete connection.

## In Line Coupling Halves

**MOST POPULAR MODELS HIGHLIGHTED!**

TUBING ID SIZE	METRIC MM ID	DELTRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.		PRICE 10(PK)	SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.		PRICE 10(PK)	LENGTH (in)
		FT-SMM-01	FT-SMM-M3				FT-SMM-01-12	FT-SMM-02-12		
1/16"	—	FT-SMM-01	FT-SMM-M3	\$18	—	—	FT-SMM-01-12	FT-SMM-02-12	\$23	1.10
—	3	FT-SMM-01	FT-SMM-M3	17	—	—	—	—	—	—
1/8"	4	FT-SMM-02	FT-SMM-M3	17	—	—	FT-SMM-02-12	—	21	1.10

TUBING ID SIZE	METRIC MM ID	DELTRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.		PRICE 10(PK)	SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.		PRICE 10(PK)	LENGTH (in)
		FT-SMF-01	FT-SMF-M3				FT-SMF-01-12	FT-SMF-02-12		
1/16"	—	FT-SMF-01	FT-SMF-M3	\$13	FT-SMFD-01	\$76	FT-SMF-01-12	FT-SMF-02-12	\$17	1.25
—	3	FT-SMF-01	FT-SMF-M3	14	FT-SMFD-M3	75	—	—	—	—
1/8"	4	FT-SMF-02	FT-SMF-M3	13	FT-SMFD-02	75	FT-SMF-02-12	—	16	1.25

## Panel Mount Coupling Halves

TUBING ID SIZE	METRIC MM ID	DELTRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.		PRICE 10(PK)	SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.		PRICE 10(PK)	LENGTH (in)
		FT-SMMPM-01	FT-SMMPM-M3				FT-SMMPM-01-12	FT-SMMPM-02-12		
1/16"	—	FT-SMMPM-01 <td>FT-SMMPM-M3 <td>\$33</td> <td>—</td> <td>—</td> <td>FT-SMMPM-01-12</td> <td>FT-SMMPM-02-12</td> <td>\$38</td> <td>.90</td> </td>	FT-SMMPM-M3 <td>\$33</td> <td>—</td> <td>—</td> <td>FT-SMMPM-01-12</td> <td>FT-SMMPM-02-12</td> <td>\$38</td> <td>.90</td>	\$33	—	—	FT-SMMPM-01-12	FT-SMMPM-02-12	\$38	.90
—	3	FT-SMMPM-01 <td>FT-SMMPM-M3 <td>33</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </td>	FT-SMMPM-M3 <td>33</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td>	33	—	—	—	—	—	—
1/8"	4	FT-SMMPM-02 <td>FT-SMMPM-M3 <td>33</td> <td>—</td> <td>—</td> <td>FT-SMMPM-02-12</td> <td>—</td> <td>38</td> <td>.90</td> </td>	FT-SMMPM-M3 <td>33</td> <td>—</td> <td>—</td> <td>FT-SMMPM-02-12</td> <td>—</td> <td>38</td> <td>.90</td>	33	—	—	FT-SMMPM-02-12	—	38	.90

TUBING ID SIZE	METRIC MM ID	DELTRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.		PRICE 10(PK)	SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.		PRICE 10(PK)	LENGTH (in)
		FT-SMFPM-01	FT-SMFPM-M3				FT-SMFPM-01-12	FT-SMFPM-02-12		
1/16"	—	FT-SMFPM-01 <td>FT-SMFPM-M3 <td>\$29</td> <td>FT-SMFPMD-01</td> <td>\$93</td> <td>FT-SMFPM-01-12</td> <td>FT-SMFPM-02-12</td> <td>33</td> <td>.90</td> </td>	FT-SMFPM-M3 <td>\$29</td> <td>FT-SMFPMD-01</td> <td>\$93</td> <td>FT-SMFPM-01-12</td> <td>FT-SMFPM-02-12</td> <td>33</td> <td>.90</td>	\$29	FT-SMFPMD-01	\$93	FT-SMFPM-01-12	FT-SMFPM-02-12	33	.90
—	3	FT-SMFPM-01 <td>FT-SMFPM-M3 <td>30</td> <td>FT-SMFPMD-M3</td> <td>94</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </td>	FT-SMFPM-M3 <td>30</td> <td>FT-SMFPMD-M3</td> <td>94</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td>	30	FT-SMFPMD-M3	94	—	—	—	—
1/8"	4	FT-SMFPM-02 <td>FT-SMFPM-M3 <td>29</td> <td>FT-SMFPMD-02</td> <td>95</td> <td>FT-SMFPM-02-12</td> <td>—</td> <td>33</td> <td>.90</td> </td>	FT-SMFPM-M3 <td>29</td> <td>FT-SMFPMD-02</td> <td>95</td> <td>FT-SMFPM-02-12</td> <td>—</td> <td>33</td> <td>.90</td>	29	FT-SMFPMD-02	95	FT-SMFPM-02-12	—	33	.90

## Pipe Thread Coupling Halves

TUBING ID SIZE	METRIC MM ID	DELTRIN®/CELCON® ACETAL STRAIGHT THRU MODEL NO.	PRICE 10(PK)	SHUTOFF MODEL NO.	PRICE 10(PK)	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10(PK)	LENGTH (in)
1/8" NPT MALE	—	FT-SMPT-02	\$10	FT-SMPTD-02	\$74	FT-SMPT-02-12	\$10	.86

\* Maximum Panel Thickness = 1/2"; Panel Opening = 1/16".

**Ordering Example:** FT-SMF-02, body half (pkg of 10), and FT-SMM-02, insert half (pkg of 10), \$13 + 17 = \$30.

# omega.co.uk<sup>®</sup>

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

[www.omega.co.uk](http://www.omega.co.uk)



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenfronn, Germany  
0800-8266342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters