

www.technosavvy.rf.gd

PTFE Fittings



TECHNOSAVVY

Factory : 39-D, B.T. Compound, Somwar Bazar, opp. Sheetal
Aradhana Tower, Malad West, Mumbai - 400 064
e-mail : sales@technosavvy.co.in, web: www.technosavvy.co.in
ph. 022-46006818, 31527162, 9987026349, 9892068167

How to Order

PTFE Tube Fittings are ordered by part number as shown Index.

Size : Tube and pipe thread size are designated by the number of sixteenths of an inch and metric size.

Type : A letter or combination of letters and numbers are used to designate the type of fittings.

Material : PTFE

Features

Temperature rating from 20°C (70°F) to 232°C (450°F)

Working pressure : Max 275 psig (18.9 bar)

Size : Fractional 1/8" ~ 1", Fractional 6mm ~ 25mm, Special Variation Available

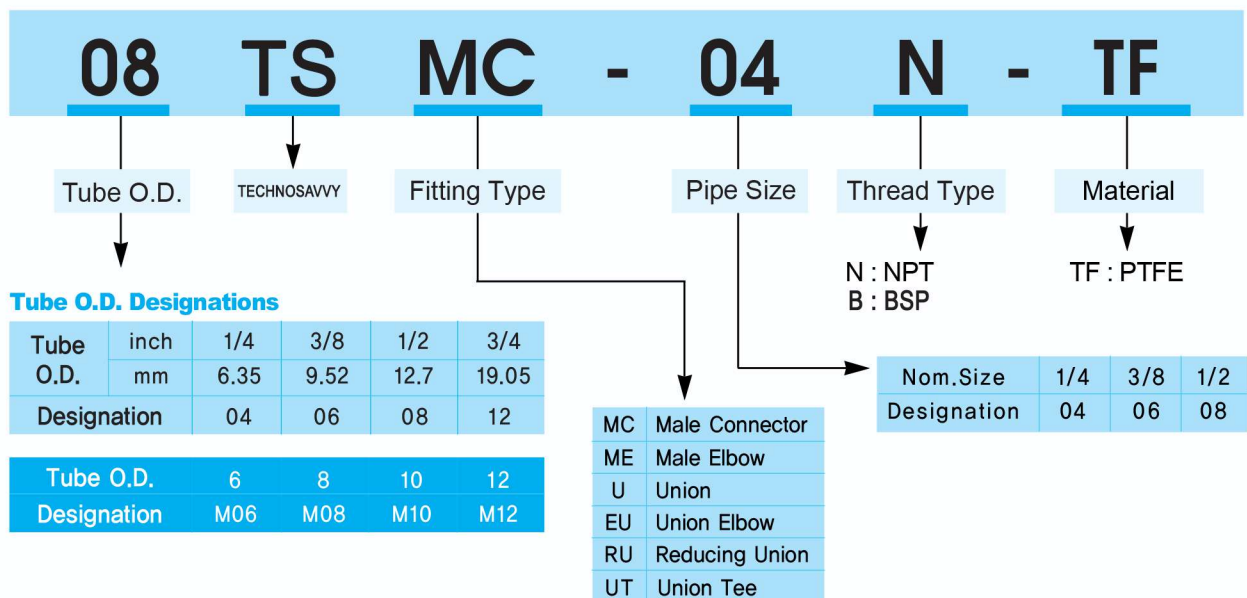
Pressure - Temperature Ratings

Fractional Tube Fittings

Tubing Wall in.	Fittings and Tubing				
	0.030	0.047	0.062		
Size, in.	1/8	1/4	1/4	3/8	1/2
Temperature °C (°F)	Working Pressure psig (bar)				
20 (70)	275 (18.9)	200 (13.7)	275 (18.9)	180 (12.4)	125 (8.6)
37 (100)	245 (16.8)	180 (12.4)	245 (16.8)	155 (10.6)	115 (7.9)
93 (200)	145 (9.9)	110 (7.5)	145 (9.9)	93 (6.4)	68 (4.6)
148 (300)	87 (5.9)	64 (4.4)	87 (5.9)	48 (3.3)	32 (2.2)
204 (400)	47 (3.2)	34 (2.3)	47 (3.2)	11 (0.75)	11 (0.75)

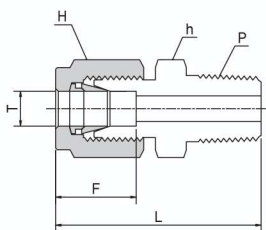
Metric Tube Fittings

Tubing Wall in.	1		1.5	
	6	8	6	8
Size, in.	6	8	6	8
Temperature °F (°C)	Working Pressure bar (psig)			
70 (20)	12 (174)	8.9 (129)	19 (275)	14 (203)
122 (50)	9.7 (140)	7.1 (103)	15 (217)	11 (159)
212 (100)	6.1 (88)	4.4 (63)	9.5 (137)	6.9 (100)
302 (150)	3.8 (55)	2.5 (36)	5.9 (85)	4.0 (58)
392 (200)	2.2 (31)	1.3 (18)	3.4 (49)	2.0 (29)



Male Connector

TMC



Connects Inch Tube to Female NPT Tapered Thread

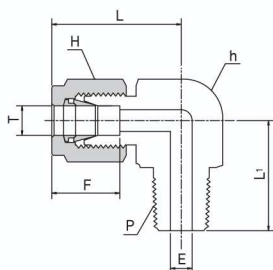
Part No.	Tube O.D. T	P NPT	E	h	H	F	L
04TMC-04R-TF	1/4	1/4	4.8	15.87	15.87	15.2	39.1
06TMC-06R-TF	3/8	3/8	7.0	20.63	20.63	17.0	40.6
08TMC-08R-TF	1/2	1/2	10.0	25.40	25.40	22.9	49.0

Connects Metric Tube to NPT Tapered Thread

Part No.	Tube O.D. T	P NPT	E	h	H	F	L
M06TMC-04R-TF	6.0	1/4	4.8	15.87	15.87	15.2	39.1
M08TMC-04R-TF	8.0	1/4	6.4	17.46	17.46	16.2	39.5
M10TMC-06R-TF	10.0	3/8	8.0	19.05	19.05	17.2	41.0
M12TMC-08R-TF	12.0	1/2	9.5	25.40	25.40	22.9	49.0

Male Elbow

TME



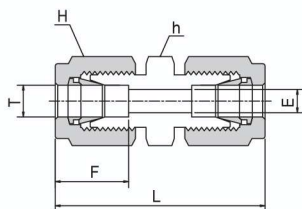
Connects Inch Tube to Female NPT Tapered Thread

Part No.	Tube O.D. T	P NPT	E	h	H	F	L	L ₁
04TME-04R-TF	1/4	1/4	4.8	15.87	15.87	15.2	28.7	24.4
06TME-06R-TF	3/8	3/8	7.0	20.63	20.63	17.0	31.2	26.2
08TME-08R-TF	1/2	1/2	10.0	25.40	25.40	22.9	36.8	33.8

Connects Metric Tube to Female NPT Tapered Thread

Part No.	Tube O.D. T	P NPT	E	h	H	F	L	L ₁
M06TME-04R-TF	6.0	1/4	4.8	15.87	15.87	15.2	28.7	24.4
M08TME-04R-TF	8.0	1/4	6.4	17.46	17.46	16.2	30.1	25.1
M10TME-06R-TF	10.0	3/8	8.0	19.05	19.05	17.2	31.6	26.6
M12TME-08R-TF	12.0	1/2	9.5	25.40	25.40	22.9	36.8	33.8

Union TU



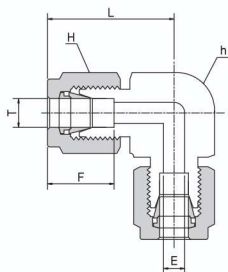
Connects Fractional Tube

Part No.	Tube O.D. T	E	h	H	F	L
04TU-TF	1/4	4.8	15.87	15.87	15.2	43.2
06TU-TF	3/8	7.0	20.63	20.63	17.0	45.7
08TU-TF	1/2	10.0	25.40	25.40	22.9	52.1

Connects Metric Tube

Part No.	Tube O.D. T(mm)	E	h	H	F	L
M06TU-TF	6.0	4.8	15.87	15.87	15.2	43.2
M08TU-TF	8.0	6.4	17.46	17.46	16.2	43.5
M10TU-TF	10.0	8.0	19.05	19.05	17.2	46.5
M12TU-TF	12.0	9.5	25.40	25.40	22.9	52.1

Union Elbow TEU



Connects Fractional Tube

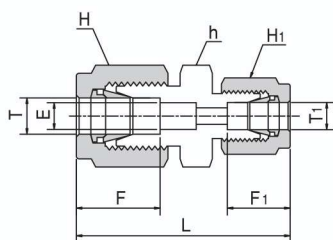
Part No.	Tube O.D. T	E	h	H	F	L
04TEU-TF	1/4	4.8	15.87	15.87	15.2	28.7
06TEU-TF	3/8	7.0	20.63	20.63	17.0	31.2
08TEU-TF	1/2	10.0	25.40	25.40	22.9	36.8

Connects Metric Tube

Part No.	Tube O.D. T(mm)	E	h	H	F	L
M06TEU-TF	6.0	4.8	15.87	15.87	15.2	28.7
M08TEU-TF	8.0	6.4	17.46	17.46	16.2	31.1
M10TEU-TF	10.0	8.0	19.05	19.05	17.2	31.6
M12TEU-TF	12.0	9.5	25.40	25.40	22.9	36.8

Reducing Union

TRU



Connects Fractional Inch Tube

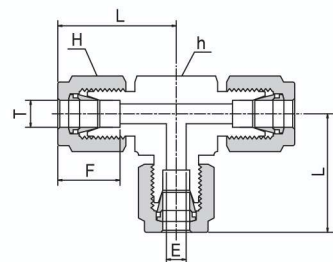
Part No.	Tube O.D.		E	h	H	H ₁	F	F ₁	L
	T	T ₁							
06TRU-04-TF	3/8	1/4	4.8	20.63	20.63	15.87	17.0	15.2	45.0
08TRU-04-TF	1/2	1/4	4.8	25.40	25.40	15.87	22.9	15.2	48.5
08TRU-06-TF	1/2	3/8	7.0	25.40	25.40	20.63	22.9	17.0	49.3

Connects Metric Tube

Part No.	Tube O.D.		E	h	H	H ₁	F	F ₁	L
	T (mm)	T ₁ (mm)							
M10TRU-M06-TF	10.0	6.0	4.8	100.00	19.05	15.87	17.2	15.2	45.4
M12TRU-M06-TF	12.0	6.0	4.8	25.40	25.40	15.87	22.9	15.2	48.5
M12TRU-M10-TF	12.0	10.0	7.0	25.40	25.40	19.05	22.9	17.2	49.7

Union Tee

TUT



Connects Fractional Tube

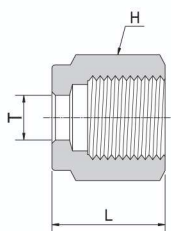
Part No.	Tube O.D. T	E	h	H	F	L
04TUT-TF	1/4	4.8	15.87	15.87	15.2	28.7
06TUT-TF	3/8	7.0	20.63	20.63	17.0	31.2
08TUT-TF	1/2	10.0	25.40	25.40	22.9	36.8

Connects Metric Tube

Part No.	Tube O.D. T (mm)	E	h	H	F	L
M06TUT-TF	6.0	4.8	15.87	15.87	15.2	28.7
M08TUT-TF	8.0	6.4	17.46	17.46	16.2	31.1
M10TUT-TF	10.0	8.0	19.05	19.05	17.2	31.6
M12TUT-TF	12.0	9.5	25.40	25.40	22.9	36.8

Nuts

TN



Connects Fractional Tube

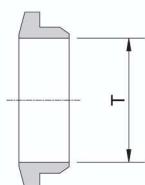
Part No.	Tube O.D. (T)		H		L
	in	mm	in	mm	
04TN-TF	1/4	6.35	15.87	15.87	16.5
06TN-TF	3/8	9.52	20.63	20.63	17.3
08TN-TF	1/2	12.7	25.40	25.40	20.1

Connects Metric Tube

Part No.	Tube O.D. (T)	H		L
	T(mm)	in	mm	
M06TN-TF	6.0	15.87	15.87	16.5
M08TN-TF	8.0	17.46	17.46	16.4
M10TN-TF	10.0	19.05	19.05	18.0
M12TN-TF	12.0	25.40	25.40	20.1

Back Ferrule

TBF



Connects Fractional Tube

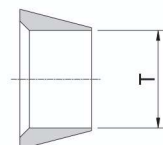
Part No.	Tube O.D. (T)	
	in	mm
04TBF-TF	1/4	6.35
06TBF-TF	3/8	9.52
08TBF-TF	1/2	12.7

Connects Metric Tube

Part No.	Tube O.D.
	T(mm)
M06TBF-TF	6.0
M08TBF-TF	8.0
M10TBF-TF	10.0
M12TBF-TF	12.0

Front Ferrule

TFF



Connects Fractional Tube

Part No.	Tube O.D. (T)	
	in	mm
04TFF-TF	1/4	6.35
06TFF-TF	3/8	9.52
08TFF-TF	1/2	12.7

Connects Metric Tube

Part No.	Tube O.D.
	T(mm)
M06TFF-TF	6.0
M08TFF-TF	8.0
M10TFF-TF	10.0
M12TFF-TF	12.0