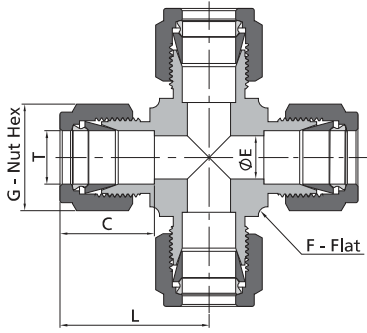


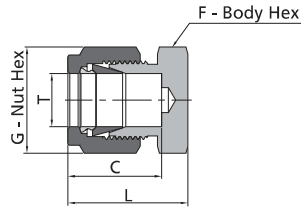
Union Crosses



Fractional Tube						
T-Tube O.D. (in.)	Basic Ordering Number	Dimensions, in. (mm)				
		L	C	G	F	E
1/8	-C-FL2	0.88(22.4)	0.50(12.7)	0.44(11.1)	0.37(9.5)	0.09(2.3)
3/16	-C-FL3	0.96(24.4)	0.54(13.7)	0.50(12.7)	0.44(11.1)	0.12(3.0)
1/4	-C-FL4	1.06(26.9)	0.60(15.2)	0.56(14.3)	0.50(12.7)	0.19(4.8)
5/16	-C-FL5	1.17(29.7)	0.64(16.2)	0.63(15.9)	0.63(15.9)	0.25(6.4)
3/8	-C-FL6	1.20(30.5)	0.66(16.8)	0.69(17.5)	0.63(15.9)	0.28(7.1)
1/2	-C-FL8	1.42(36.1)	0.90(22.9)	0.87(22.2)	0.81(20.6)	0.41(10.4)
5/8	-C-FL10	1.53(38.8)	0.96(24.4)	1.00(25.4)	1.0(25.4)	0.50(12.7)
3/4	-C-FL12	1.57(39.9)	0.96(24.4)	1.13(28.6)	1.06(27.0)	0.62(15.7)
7/8	-C-FL14	1.76(44.7)	1.02(25.9)	1.25(31.8)	1.37(34.9)	0.72(18.3)
1	-C-FL16	1.93(49.0)	1.23(31.2)	1.50(38.1)	1.37(34.9)	0.88(22.4)

Metric Tube						
T-Tube O.D. (mm)	Basic Ordering Number	Dimensions, mm (in.)				
		L	C	G	F	E
3	-C-ML3	22.3(0.88)	12.9(0.51)	12.0(0.47)	9.5(0.37)	2.4(0.09)
4	-C-ML4	25.4(1.00)	13.7(0.54)	12.0(0.47)	12.7(0.50)	2.4(0.09)
6	-C-ML6	27.0(1.06)	15.3(0.60)	14.0(0.55)	12.7(0.50)	4.8(0.19)
8	-C-ML8	29.9(1.18)	16.2(0.64)	16.0(0.63)	15.9(0.63)	6.4(0.25)
10	-C-ML10	33.5(1.32)	17.2(0.68)	19.0(0.75)	20.6(0.81)	7.9(0.31)
12	-C-ML12	36.0(1.42)	22.8(0.90)	22.0(0.87)	20.6(0.81)	9.5(0.37)
16	-C-ML16	37.0(1.46)	24.4(0.96)	25.0(0.98)	23.8(0.94)	12.7(0.50)
18	-C-ML18	38.3(1.51)	24.4(0.96)	30.0(1.18)	27.0(1.06)	15.1(0.59)
20	-C-ML20	44.6(1.76)	26.0(1.02)	32.0(1.26)	34.9(1.37)	15.9(0.63)
22	-C-ML22	44.7(1.76)	26.0(1.02)	32.0(1.26)	34.9(1.37)	18.3(0.72)
25	-C-ML25	49.2(1.94)	31.3(1.23)	38.0(1.50)	34.9(1.37)	21.8(0.86)

Caps



Fractional Tube					
T-Tube O.D. (in.)	Basic Ordering Number	Dimensions, in. (mm)			
		L	C	G	F
1/16	-TC-FL1	0.59(15.0)	0.34(8.6)	0.31(7.9)	0.31(7.9)
1/8	-TC-FL2	0.79(20.1)	0.50(12.7)	0.44(11.1)	0.44(11.1)
3/16	-TC-FL3	0.84(21.3)	0.54(13.7)	0.50(12.7)	0.44(11.1)
1/4	-TC-FL4	0.92(23.4)	0.60(15.2)	0.56(14.3)	0.50(12.7)
5/16	-TC-FL5	0.96(24.4)	0.64(16.3)	0.63(15.9)	0.56(14.3)
3/8	-TC-FL6	1.01(25.7)	0.66(16.8)	0.69(17.5)	0.63(15.9)
1/2	-TC-FL8	1.15(29.2)	0.90(22.9)	0.87(22.2)	0.81(20.6)
5/8	-TC-FL10	1.18(30.0)	0.96(24.4)	1.00(25.4)	0.94(23.8)
3/4	-TC-FL12	1.24(31.5)	0.96(24.4)	1.13(28.6)	1.06(27.0)
7/8	-TC-FL14	1.34(34.0)	1.02(25.9)	1.25(31.8)	1.19(30.2)
1	-TC-FL16	1.51(38.4)	1.23(31.2)	1.50(38.1)	1.37(34.9)
1 1/8	-TC-FL18	1.51(38.4)	1.44(36.7)	1.75(44.5)	1.63(41.3)
1 1/4	-TC-FL20	2.10(53.3)	1.62(41.1)	1.87(47.6)	1.75(44.5)
1 1/2	-TC-FL24	2.54(64.5)	1.97(50.0)	2.25(57.2)	2.13(54.0)

Metric Tube					
T-Tube O.D. (mm)	Basic Ordering Number	Dimensions, mm (in.)			
		L	C	G	F
2	-TC-ML2	20.1(0.79)	12.9(0.51)	12.0(0.47)	12.0(0.47)
3	-TC-ML3	20.1(0.79)	12.9(0.51)	12.0(0.47)	12.0(0.47)
4	-TC-ML4	21.3(0.84)	13.7(0.54)	12.0(0.47)	12.0(0.47)
6	-TC-ML6	23.1(0.91)	15.3(0.60)	14.0(0.55)	14.0(0.55)
8	-TC-ML8	24.5(0.96)	16.2(0.64)	16.0(0.63)	15.0(0.59)
10	-TC-ML10	26.6(1.05)	17.2(0.68)	19.0(0.75)	18.0(0.71)
12	-TC-ML12	29.1(1.15)	22.8(0.90)	22.0(0.87)	22.0(0.87)
14	-TC-ML14	29.9(1.18)	24.4(0.96)	25.0(0.98)	24.0(0.94)
15	-TC-ML15	29.9(1.18)	24.4(0.96)	25.0(0.98)	24.0(0.94)
16	-TC-ML16	29.9(1.18)	24.4(0.96)	25.0(0.98)	24.0(0.94)
18	-TC-ML18	31.4(1.24)	24.4(0.96)	30.0(1.18)	27.0(1.06)
20	-TC-ML20	34.0(1.34)	26.0(1.02)	32.0(1.26)	30.0(1.18)
22	-TC-ML22	34.0(1.34)	26.0(1.02)	32.0(1.26)	30.0(1.18)
25	-TC-ML25	38.5(1.52)	31.3(1.23)	38.0(1.50)	35.0(1.38)
28	-TC-ML28	48.5(1.91)	36.6(1.44)	46.0(1.81)	41.0(1.61)
30	-TC-ML30	53.4(2.10)	39.6(1.56)	50.0(1.97)	46.0(1.81)
32	-TC-ML32	55.8(2.20)	42.0(1.65)	50.0(1.97)	46.0(1.81)
38	-TC-ML38	65.4(2.57)	49.4(1.94)	60.0(2.36)	55.0(2.17)