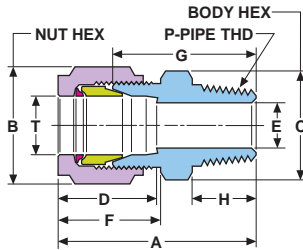
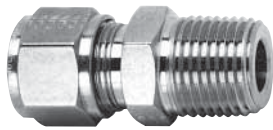


### Male Connector: CM, CM/EC

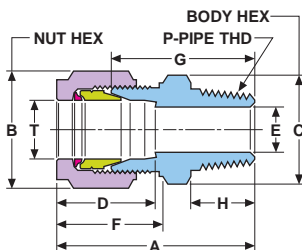
connects **fractional** tube to female NPT or RT threads



Part Number*		T	P Male	Dimensions — inches							
NPT Threads	RT Threads	Tube O.D.	NPT Size	A	B Hex Flat	C Hex Flat	D	E min	F	G	H
1CM1[ ]	—	1/16	1/16	.97	5/16	5/16	.41	.05	.48	.75	.38
1CM2[ ]	—	1/16	1/8	1.03	5/16	7/16	.41	.05	.48	.81	.38
1CM4[ ]	—	1/16	1/4	1.22	5/16	9/16	.41	.19	.48	1	.56
2CM1[ ]	—	1/8	1/16	1.19	7/16	7/16	.56	.09	.67	.88	.38
2CM2[ ]	2CM2[ ]EC	1/8	1/8	1.22	7/16	7/16	.56	.09	.67	.91	.38
2CM4[ ]	2CM4[ ]EC	1/8	1/4	1.44	7/16	9/16	.56	.09	.67	1.13	.56
3CM2[ ]	—	3/16	1/8	1.27	1/2	7/16	.59	.13	.70	.95	.38
3CM4[ ]	3CM4[ ]EC	3/16	1/4	1.50	1/2	9/16	.59	.13	.70	1.19	.56
4CM1[ ]	—	1/4	1/16	1.33	9/16	1/2	.64	.10	.77	1	.38
4CM2[ ]	4CM2[ ]EC	1/4	1/8	1.33	9/16	1/2	.64	.19	.77	1	.38
4CM4[ ]	4CM4[ ]EC	1/4	1/4	1.58	9/16	9/16	.64	.19	.77	1.25	.56
4CM6[ ]	4CM6[ ]EC	1/4	3/8	1.58	9/16	11/16	.64	.19	.77	1.25	.56
4CM8[ ]	4CM8[ ]EC	1/4	1/2	1.80	9/16	7/8	.64	.19	.77	1.47	.75
4CM12[ ]	—	1/4	3/4	1.83	9/16	1 1/16	.64	.19	.77	1.50	.75
6CM2[ ]	6CM2[ ]EC	3/8	1/8	1.45	11/16	5/8	.72	.19	.83	1.09	.38
6CM4[ ]	6CM4[ ]EC	3/8	1/4	1.64	11/16	5/8	.72	.30	.83	1.28	.56
6CM6[ ]	6CM6[ ]EC	3/8	3/8	1.64	11/16	11/16	.72	.30	.83	1.28	.56
6CM8[ ]	6CM8[ ]EC	3/8	1/2	1.86	11/16	7/8	.72	.28	.83	1.50	.75
6CM12[ ]	—	3/8	3/4	1.86	11/16	1 1/16	.72	.30	.83	1.50	.75
8CM2[ ]	—	1/2	1/8	1.56	7/8	13/16	.97	.19	.92	1.09	.38
8CM4[ ]	8CM4[ ]EC	1/2	1/4	1.78	7/8	13/16	.97	.30	.92	1.31	.56
8CM6[ ]	8CM6[ ]EC	1/2	3/8	1.78	7/8	13/16	.97	.41	.92	1.31	.56
8CM8[ ]	8CM8[ ]EC	1/2	1/2	1.97	7/8	7/8	.97	.42	.92	1.50	.75
8CM12[ ]	8CM12[ ]EC	1/2	3/4	2	7/8	1 1/16	.97	.42	.92	1.53	.75
8CM16[ ]	—	1/2	1	2.19	7/8	1 3/8	.97	.42	.92	1.72	.94
10CM6[ ]	—	5/8	3/8	1.78	1	15/16	1	.41	.92	1.34	.56
10CM8[ ]	10CM8[ ]EC	5/8	1/2	1.97	1	15/16	1	.50	.92	1.53	.75
10CM12[ ]	—	5/8	3/4	2	1	1 1/16	1	.50	.92	1.56	.75
12CM8[ ]	—	3/4	1/2	2.08	1 1/8	1 1/16	1	.42	.97	1.63	.75
12CM12[ ]	—	3/4	3/4	2.08	1 1/8	1 1/16	1	.66	.97	1.63	.75
12CM16[ ]	—	3/4	1	2.39	1 1/8	1 3/8	1	.66	.97	1.94	.94
14CM12[ ]	—	7/8	3/4	2.08	1 1/4	1 3/16	1.06	.72	.97	1.64	.75
16CM8[ ]	—	1	1/2	2.36	1 1/2	1 3/8	1.31	.50	1.08	1.78	.75
16CM12[ ]	—	1	3/4	2.36	1 1/2	1 3/8	1.31	.72	1.08	1.39	.75
16CM16[ ]	—	1	1	2.55	1 1/2	1 3/8	1.31	.88	1.08	1.97	.94
20CM16[ ]	—	1 1/4	1	3.04	1 7/8	1 3/4	1.62	.90	1.53	2.17	.94
20CM20[ ]	—	1 1/4	1 1/4	3.04	1 7/8	1 3/4	1.62	1.10	1.53	2.17	.94
24CM24[ ]	—	1 1/2	1 1/2	3.50	2 1/4	2 1/8	1.97	1.30	1.78	2.43	1.03
32CM32[ ]	—	2	2	4.47	3	2 3/4	2.66	1.80	2.47	3	1.06

### Male Connector: CM/ME, CM/MC

connects **metric** tube with NPT or RT tapered threads



Part Number*		T	P	Dimensions — mm							
NPT Threads	RT Threads	Tube O.D.	Pipe Thd.	A	B Hex Flat	C Hex Flat	D	E min	F	G	H
3CM2[ ]ME	3CM2[ ]MC	3	1/8	32.3	11.1	11.1	14.3	2.2	17.1	24.4	9.5
3CM4[ ]ME	3CM4[ ]MC	3	1/4	37.1	11.1	14.3	14.3	2.2	17.1	29.1	14.3
4CM2[ ]ME	4CM2[ ]MC	4	1/8	33.1	12.7	11.1	15.1	2.3	17.9	25.3	9.5
4CM4[ ]ME	4CM4[ ]MC	4	1/4	38.0	12.7	14.3	15.1	2.3	17.9	30.2	14.3
6CM2[ ]ME	6CM2[ ]MC	6	1/8	34.8	14.3	12.7	16.3	3.8	19.5	26.4	9.5
6CM4[ ]ME	6CM4[ ]MC	6	1/4	39.5	14.3	14.3	16.3	3.8	19.5	31.2	14.3
6CM6[ ]ME	6CM6[ ]MC	6	3/8	40.1	14.3	17.5	16.3	3.8	19.5	31.8	14.3
6CM8[ ]ME	6CM8[ ]MC	6	1/2	45.7	14.3	22.2	16.3	3.8	19.5	37.3	19.1
6CM12[ ]ME	6CM12[ ]MC	6	3/4	46.5	14.3	27.0	16.3	3.8	19.5	38.1	19.1
8CM2[ ]ME	8CM2[ ]MC	8	1/8	35.6	15.9	14.3	16.7	4.6	19.1	27.6	9.5
8CM4[ ]ME	8CM4[ ]MC	8	1/4	39.8	15.9	14.3	16.7	5.8	19.1	31.8	14.3
8CM6[ ]ME	8CM6[ ]MC	8	3/8	39.8	15.9	17.5	16.7	5.8	19.1	31.8	14.3
8CM8[ ]ME	8CM8[ ]MC	8	1/2	46.3	15.9	22.2	16.7	5.8	19.1	38.3	19.1
8CM12[ ]ME	8CM12[ ]MC	8	3/4	46.5	15.9	27.0	16.7	5.8	19.1	38.9	19.1
10CM2[ ]ME	10CM2[ ]MC	10	1/8	35.8	19.1	17.5	17.5	4.6	19.8	27.8	9.5
10CM4[ ]ME	10CM4[ ]MC	10	1/4	40.5	19.1	17.5	17.5	7.0	19.8	32.5	14.3
10CM6[ ]ME	10CM6[ ]MC	10	3/8	40.5	19.1	17.5	17.5	7.4	19.8	32.5	14.3
10CM8[ ]ME	10CM8[ ]MC	10	1/2	46.1	19.1	22.2	17.5	7.9	19.8	38.1	19.1
12CM4[ ]ME	12CM4[ ]MC	12	1/4	45.3	22.2	20.6	24.6	7.0	23.4	33.3	14.3
12CM6[ ]ME	12CM6[ ]MC	12	3/8	45.3	22.2	20.6	24.6	9.9	23.4	33.3	14.3
12CM8[ ]ME	12CM8[ ]MC	12	1/2	50.0	22.2	22.2	24.6	9.9	23.4	38.1	19.1
12CM12[ ]ME	12CM12[ ]MC	12	3/4	50.8	22.2	27.0	24.6	9.9	23.4	38.9	19.1
14CM4[ ]ME	14CM4[ ]MC	14	1/4	42.0	23.8	22.2	22.2	7.0	21.0	32.6	14.3
14CM6[ ]ME	14CM6[ ]MC	14	3/8	42.0	23.8	22.2	22.2	9.9	21.0	32.6	14.3
14CM8[ ]ME	14CM8[ ]MC	14	1/2	47.5	23.8	22.2	22.2	11.9	21.0	38.1	19.1
15CM8[ ]ME	15CM8[ ]MC	15	1/2	48.4	23.8	22.2	22.2	12.7	21.8	38.1	19.1
16CM6[ ]ME	16CM6[ ]MC	16	3/8	45.2	25.4	23.8	25.0	9.9	23.4	34.0	14.3
16CM8[ ]ME	16CM8[ ]MC	16	1/2	50.0	25.4	23.8	25.0	12.7	23.4	38.9	19.1
16CM12[ ]ME	16CM12[ ]MC	16	3/4	50.8	25.4	27.0	25.0	12.7	23.4	39.6	19.1
18CM8[ ]ME	18CM8[ ]MC	18	1/2	51.1	28.6	27.0	25.4	12.7	24.6	41.2	19.1
18CM12[ ]ME	18CM12[ ]MC	18	3/4	51.1	28.6	27.0	25.4	15.8	24.6	41.2	19.1
20CM8[ ]ME	20CM8[ ]MC	20	1/2	55.5	31.8	30.2	31.0	11.9	27.0	41.7	19.1
20CM12[ ]ME	20CM12[ ]MC	20	3/4	55.5	31.8	30.2	31.0	16.7	27.0	41.7	19.1
22CM8[ ]ME	22CM8[ ]MC	22	1/2	52.8	31.8	30.2	27.0	12.7	24.6	41.6	19.1
22CM12[ ]ME	22CM12[ ]MC	22	3/4	52.8	31.8	30.2	27.0	17.9	24.6	41.6	19.1
22CM16[ ]ME	22CM16[ ]MC	22	1	62.0	31.8	34.9	27.0	17.9	24.6	50.8	23.8
25CM12[ ]ME	25CM12[ ]MC	25	3/4	59.7	38.1	34.9	33.3	18.1	27.4	45.2	19.1
25CM16[ ]ME	25CM16[ ]MC	25	1	65.4	38.1	34.9	33.3	21.7	27.4	51.0	23.8
30CM16[ ]ME	—	30	1	78.2	50.8	47.6	38.0	22.3	41.2	55.6	24.9
30CM20[ ]ME	—	30	1 1/4	77.9	50.8	46.0	37.8	27.6	41.0	55.6	23.9
32CM16[ ]ME	—	32	1	80.1	50.8	47.6	42.3	22.3	42.9	56.7	24.9
38CM16[ ]ME	—	38	1	89.5	60.3	55.6	49.4	22.3	49.5	61.7	24.9
38CM20[ ]ME	—	38	1 1/4	89.2	60.3	55.6	49.4	28.6	49.5	61.7	24.9
38CM24[ ]ME	—	38	1 1/2	91.6	60.3	55.6	49.4	33.9	49.5	64.0	26.2

\* [ ] see page 6 for material specifications.