

Copper Fittings



ASMEE B16.22 Min Thickness List

O.D. size		Female		Female Connector	Male		Male Connector	Min. Thickness
		Min	Max		Min	Max		
3/16	4.76	4.81	4.91	6	4.71	4.79	7	0.45mm
1/4	6.35	6.40	6.50	6.5	6.30	6.38	8	0.48mm
5/16	7.94	7.99	8.09	7	7.89	7.97	8.5	0.52mm
3/8	9.53	9.58	9.68	8	9.47	9.55	10	0.58mm
1/2	12.7	12.75	12.85	10	12.62	12.73	11	0.66mm
5/8	15.88	15.93	16.03	13	15.80	15.90	14.5	0.74mm
3/4	19.05	19.10	19.20	16	18.97	19.08	17.5	0.79mm
7/8	22.23	22.28	22.38	19	22.15	22.26	20.5	0.84mm
1	25.4	25.45	25.55	20	25.32	25.43	21.5	0.95mm
1-1/8	28.58	28.65	28.75	23	28.50	28.63	24.5	1.02mm
1-1/4	31.75	31.82	31.92	24	31.67	31.80	25	1.1mm
1-3/8	34.93	35.00	35.10	25	34.85	34.98	26	1.12mm
1-1/2	38.1	38.17	38.30	26	37.99	38.15	27	1.2mm
1-5/8	41.28	41.35	41.48	27.7	41.17	41.33	29.5	1.3mm
1-3/4	44.45	44.52	44.65	29	44.34	44.50	31	1.4mm
2-1/8	53.98	54.05	54.18	34	53.87	54.03	36	1.5mm
2-5/8	66.68	66.75	66.88	37	66.57	66.73	39	1.7mm
3	76.2	76.27	76.40	40	76.09	76.25	42	1.8mm
3-1/8	79.38	79.45	79.58	42	79.27	79.43	44	1.91mm
3-5/8	92.08	92.15	92.28	48.5	91.97	92.13	50	2.18mm
4-1/8	104.78	104.85	104.98	55	104.67	104.83	56.5	2.44mm
5-1/8	130.18	130.25	130.38	67.5	130.07	130.23	69	2.82mm
6-1/8	155.58	155.65	155.78	78.5	155.47	155.63	81.8	3.15mm
8-1/8	206.38	206.45	206.58	100.8	206.22	206.43	104	4.39mm

EN 1254-1 Min Thickness List

O.D.	Female Connector Tolerance		Female Connector Length	Male Connector Tolerance		Male Connector Length	Min. Thickness
	Min	Max		Min	Max		
6	6.06	6.15	5.80	5.95	6.04	7.80	0.6 mm
8	8.06	8.15	6.80	7.95	8.04	8.80	
10	10.06	10.15	7.80	9.95	10.04	9.80	
12	12.06	12.15	7.80	11.95	12.04	9.80	
14	14.06	14.15	8.60	13.95	14.04	10.60	0.7 mm
14.7	14.76	14.85	10.60	14.65	14.74	12.60	
15	15.06	15.15	10.60	14.95	15.04	12.60	
16	16.06	16.15	10.60	15.95	16.04	12.60	0.8 mm
18	18.06	18.15	12.60	17.95	18.04	14.60	
21	21.07	21.18	15.40	20.94	21.05	17.40	0.9 mm
22	22.07	22.18	15.40	21.94	22.05	17.40	
25	25.07	25.18	16.40	24.94	25.05	18.40	
27.4	27.47	27.58	18.40	27.34	27.45	20.40	
28	28.07	28.18	18.40	27.94	28.05	20.40	1 mm
34	34.09	34.23	23.00	33.93	34.06	25.00	
35	35.09	35.23	23.00	34.93	35.06	25.00	
40	40.09	40.23	27.00	39.93	40.06	29.00	
40.5	40.59	40.73	27.00	40.43	40.56	29.00	1.1 mm
42	42.09	42.23	27.00	41.93	42.06	29.00	
53.6	53.69	53.83	32.00	53.53	53.66	34.00	1.2 mm
54	54.09	54.33	32.00	53.93	54.06	34.00	
64	64.10	64.33	32.50	63.92	64.07	34.50	1.4 mm
66.7	66.80	67.03	33.50	66.62	66.77	36.50	
67	66.80	67.33		66.92	67.07		
70	70.10	70.33	33.50	69.92	70.07	36.50	
76.1	76.20	76.43	33.50	76.02	76.17	36.50	1.6 mm
80	80.10	80.33	35.50	79.92	80.07	38.50	1.8 mm
88.9	89.00	89.23	37.50	88.82	88.97	40.50	
106	106.10	106.33	47.50	105.92	106.07	51.50	2.1 mm
108	108.10	108.33	47.50	107.92	108.07	51.50	
133							2.5 mm