

Copper Water Tubing Data – SI Units

Table A4.4.2-1; Type A Copper Tubing – Water – ASTM B88.

Tube Size {O.D.} (mm)	Wall Thickness (mm)	Tube Weight Empty (N/m)	Water Weight (N/m)	Tube + Water (N/m)
10	0.9	2.2	0.5	2.7
12	1.2	3.6	0.7	4.3
15	1.2	4.5	1.2	5.7
18	1.2	5.5	1.9	7.4
22	1.6	9.0	2.7	11.7
28	1.6	11.6	4.7	16.3
35	1.6	14.7	7.8	22.5
42	1.8	19.9	11.4	31.3
54	2.1	29.9	19.1	49.0
67	2.4	42.6	29.8	72.4
79	2.8	58.6	41.5	100.1
105	3.4	94.9	74.2	169.1
130	4.0	138.4	114.6	253.0
156	4.8	199.3	165.0	364.3
206	6.8	372.0	285.0	657.0
257	8.5	580.0	443.4	657.0
308	10.3	842.0	635.9	1,477.9

COPPER WATER TUBING DATA – SI UNITS



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Table A4.4.2-2; Type B Copper Tubing – Water – ASTM B88.

Tube Size {O.D.} (mm)	Wall Thickness (mm)	Tube Weight Empty (N/m)	Water Weight (N/m)	Tube + Water (N/m)
10	0.8	2.0	0.5	2.5
12	0.9	2.7	0.8	3.5
15	1.0	3.8	1.3	5.1
18	1.0	4.7	2.0	6.7
22	1.1	6.3	3.0	9.3
28	1.2	8.8	5.0	13.8
35	1.4	12.9	8.0	20.9
42	1.5	16.7	11.7	28.4
54	1.7	24.4	19.7	44.1
67	2.0	35.7	30.6	66.3
79	2.3	48.4	42.6	91.0
105	2.8	78.6	76.1	154.7
130	3.1	108.0	118.0	226.0
156	3.5	146.6	170.9	317.5
206	5.0	276.0	295.8	571.8
257	6.3	433.7	459.9	893.6
308	7.1	586.6	664.5	1,251.1

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Table A4.4.2-3; Type C Copper Tubing – Water – ASTM B88.

Tube Size {O.D.} (mm)	Wall Thickness (mm)	Tube Weight Empty (N/m)	Water Weight (N/m)	Tube + Water (N/m)
10	0.6	1.5	0.6	2.1
12	0.6	1.9	0.9	2.8
15	0.7	2.7	1.4	4.1
18	0.7	3.3	2.1	5.4
22	0.8	4.7	3.2	7.9
28	0.9	6.7	5.3	12.0
35	1.1	10.2	8.3	18.5
42	1.2	13.4	12.1	25.5
54	1.5	21.6	20.0	41.6
67	1.6	28.7	31.3	60.0
79	1.8	38.2	43.8	82.0
105	2.4	67.6	77.3	144.9
130	2.7	94.4	119.5	213.9
156	3.1	130.2	172.8	303.0
206	4.3	238.2	300.0	538.2
257	5.4	373.1	466.7	839.8
308	6.4	530.0	670.9	1,200.9

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RELEASE DATE: 4/10/06



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