

## Square Tube Conversion Factors



Member Size (Inches)	Wall Thickness (Inches)	A/P Value	Metric Designation (millimeters)	M/D Value	Hp/A Value	Square Ft. / Lin. Foot	Square M. / Lin. Meter
30 x 30	5/8	0.61	762 x 762 x 15.9	121.2	65.2	10.00	3.05
28 x 28	5/8	0.61	711 x 711 x 15.9	120.9	65.4	9.33	2.84
26 x 26	5/8	0.61	660 x 660 x 15.9	120.5	65.6	8.66	2.64
24 x 24	5/8	0.61	610 x 610 x 15.9	120.1	65.8	8.00	2.44
	1/2	0.49	x 12.7	96.9	81.6	8.00	2.44
	3/8	0.37	x 9.5	73.4	107.7	8.00	2.44
22 x 22	5/8	0.61	559 x 559 x 15.9	119.6	66.1	7.33	2.23
	1/2	0.49	x 12.7	96.6	81.8	7.33	2.23
	3/8	0.37	x 9.5	73.2	108.0	7.33	2.23
20 x 20	5/8	0.61	508 x 508 x 15.9	119	66.4	6.66	2.03
	1/2	0.49	x 12.7	96.3	82.1	6.66	2.03
	3/8	0.37	x 9.5	73	108.3	6.66	2.03
18 x 18	5/8	0.60	457 x 457x 15.9	118.3	66.8	6.00	1.83
	1/2	0.49	x 12.7	95.8	82.5	6.00	1.83
	3/8	0.37	x 9.5	72.7	108.7	6.00	1.83
16 x 16	5/8	0.60	406 x 406 x 15.9	117.4	67.3	5.33	1.62
	1/2	0.49	x 12.7	95.2	83.0	5.33	1.62
	3/8	0.37	x 9.5	72.4	109.2	5.33	1.62
	5/16	0.31	x 7.9	60.7	130.2	5.33	1.62
14 x 14	5/8	0.60	356 x 356 x 15.9	116.3	68.0	4.66	1.42
	1/2	0.48	x 12.7	94.5	83.7	4.66	1.42
	3/8	0.36	x 9.5	72	109.8	4.66	1.42
	5/16	0.31	x 7.9	60.4	130.9	4.66	1.42
12 x 12	5/8	0.59	305 x 305 x 15.9	114.7	68.9	4.00	1.22
	1/2	0.48	x 12.7	93	85.0	4.00	1.22
	3/8	0.36	x 9.5	71.4	110.7	4.00	1.22
	5/16	0.30	x 7.9	60.1	131.5	4.00	1.22
	1/4	0.24	x 6.4	48.8	162.0	4.00	1.22
10 x 10	5/8	0.59	254 x 254 x 15.9	112.6	70.2	3.33	1.01
	1/2	0.48	x 12.7	92.1	85.8	3.33	1.01
	3/8	0.36	x 9.5	70	112.9	3.33	1.01
	5/16	0.30	x 7.9	59.5	132.9	3.33	1.01
	1/4	0.24	x 6.4	48.1	164.3	3.33	1.01
	3/16	0.18	x 4.8	36.5	216.6	3.33	1.01
8 x 8	5/8	0.58	203 x 203 x 15.9	108	73.2	2.66	0.81
	1/2	0.47	x 12.7	89	88.8	2.66	0.81
	3/8	0.36	x 9.5	69.5	113.7	2.66	0.81
	5/16	0.30	x 7.9	58.7	134.7	2.66	0.81
	1/4	0.24	x 6.4	47	168.2	2.66	0.81
	3/16	0.18	x 4.8	36.2	218.4	2.66	0.81
7 x 7	1/2	0.46	178 x 178 x 12.7	88.6	89.2	2.33	0.71
	3/8	0.35	x 9.5	68.7	115.1	2.33	0.71
	5/16	0.30	x 7.9	58.1	136.1	2.33	0.71
	1/4	0.24	x 6.4	47.2	167.5	2.33	0.71
	3/16	0.18	x 4.8	36	219.6	2.33	0.71

The A/P ratios herein were obtained utilizing the formula as listed in the UL Design. The square foot factors are theoretical based on the dimensions of the shape.

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6 x 6	1/2	0.46	152 x 152 x 12.7	86.6	91.3	2.00	0.61
	3/8	0.35	x 9.5	67.6	116.9	2.00	0.61
	5/16	0.30	x 7.9	57.4	137.7	2.00	0.61
	1/4	0.24	x 6.4	46	171.8	2.00	0.61
	3/16	0.18	x 4.8	35.7	221.4	2.00	0.61
5 x 5	1/2	0.45	127 x 127 x 12.7	83.9	94.2	1.66	0.51
	3/8	0.35	x 9.5	66	119.8	1.66	0.51
	5/16	0.29	x 7.9	56.3	140.4	1.66	0.51
	1/4	0.24	x 6.4	46.1	171.5	1.66	0.51
	3/16	0.18	x 4.8	35.3	223.9	1.66	0.51
4 x 4	1/2	0.44	102 x 102 x 12.7	79.8	99.1	1.33	0.41
	3/8	0.34	x 9.5	63.7	124.1	1.33	0.41
	5/16	0.29	x 7.9	54.7	144.5	1.33	0.41
	1/4	0.23	x 6.4	45	175.7	1.33	0.41
	3/16	0.18	x 4.8	35	225.9	1.33	0.41

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