

Double Angle - Two Equal Legs - Conversion Factors



Member Size (Inches)	W/D Value	Metric Designation (millimeters)	M/D Value	Hp/A Value	Square Ft. / Lin. Foot	Square M. / Lin. Meter
L8 x 8 x 1-1/8	2.33	203 x 203 x 28.5	137.5	57.5	4.08	1.24
x 1	2.09	x 25.4	123.3	64.1	4.08	1.24
x 7/8	1.85	x 22.2	109.2	72.4	4.08	1.24
x 3/4	1.60	x 19.1	94.4	83.7	4.08	1.24
x 5/8	1.35	x 15.9	79.7	99.2	4.08	1.24
x 9/16	1.22	x 14.3	72.0	109.8	4.08	1.24
x 1/2	1.09	x 12.7	64.3	122.9	4.08	1.24
L6 x 6 x 1	2.02	152 x 152 x 25.4	119.2	66.3	3.09	0.94
x 7/8	1.79	x 22.2	105.6	74.9	3.09	0.94
x 3/4	1.55	x 19.1	91.5	86.4	3.09	0.94
x 5/8	1.31	x 15.9	77.3	102.3	3.09	0.94
x 9/16	1.19	x 14.3	70.2	112.6	3.09	0.94
x 1/2	1.06	x 12.7	62.5	126.4	3.09	0.94
x 7/16	0.93	x 11.1	55.0	143.6	3.09	0.94
x 3/8	0.80	x 9.5	47.2	167.5	3.09	0.94
x 5/16	0.67	x 7.9	39.8	198.8	3.09	0.94
L5 x 5 x 7/8	1.76	127 x 127 x 22.2	103.8	76.1	2.59	0.79
x 3/4	1.52	x 19.1	89.7	88.1	2.59	0.79
x 5/8	1.29	x 15.9	76.1	103.9	2.59	0.79
x 1/2	1.05	x 12.7	62.0	127.6	2.59	0.79
x 7/16	0.92	x 11.1	54.3	145.6	2.59	0.79
x 3/8	0.79	x 9.5	46.6	169.6	2.59	0.79
x 5/16	0.66	x 7.9	38.9	203.0	2.59	0.79
L4 x 4 x 3/4	1.47	102 x 102 x 19.1	86.7	91.1	2.10	0.64
x 5/8	1.25	x 15.9	73.8	107.2	2.10	0.64
x 1/2	1.01	x 12.7	59.6	132.7	2.10	0.64
x 7/16	0.88	x 11.1	51.9	152.3	2.10	0.64
x 3/8	0.77	x 9.5	45.4	174.0	2.10	0.64
x 5/16	0.64	x 7.9	37.8	209.3	2.10	0.64
x 1/4	0.52	x 6.4	30.7	257.7	2.10	0.64
L3.5 x 3.5 x 1/2	1.00	89 x 89 x 12.7	59.0	134.0	1.85	0.56
x 7/16	0.88	x 11.1	51.9	152.3	1.85	0.56
x 3/8	0.76	x 9.5	44.8	176.3	1.85	0.56
x 5/16	0.64	x 7.9	37.8	209.3	1.85	0.56
x 1/4	0.52	x 6.4	30.7	257.7	1.85	0.56
L3 x 3 x 1/2	0.97	76 x 76 x 12.7	57.2	138.1	1.60	0.49
x 7/16	0.86	x 11.1	50.7	155.8	1.60	0.49
x 3/8	0.75	x 9.5	44.3	178.6	1.60	0.49
x 5/16	0.62	x 7.9	36.6	216.1	1.60	0.49
x 1/4	0.50	x 6.4	29.5	268.0	1.60	0.49
x 3/16	0.38	x 4.8	22.4	352.6	1.60	0.49
L2.5 x 2.5 x 1/2	0.94	64 x 64 x 12.7	55.5	142.5	1.36	0.41
x 3/8	0.72	x 9.5	42.5	186.1	1.36	0.41
x 5/16	0.61	x 7.9	36.0	219.6	1.36	0.41
x 1/4	0.49	x 6.4	28.9	273.4	1.36	0.41
x 3/16	0.37	x 4.8	21.8	362.1	1.36	0.41
L2 x 2 x 3/8	0.70	51 x 51 x 9.5	41.3	191.4	1.11	0.34
x 5/16	0.59	x 7.9	34.8	227.1	1.11	0.34
x 1/4	0.48	x 6.4	28.3	279.1	1.11	0.34
x 3/16	0.37	x 4.8	21.8	362.1	1.11	0.34

The W/D ratios and Square foot factors herein were obtained from the AISC Manual of Steel Construction – Load and Resistance Factor Design – Third Edition.