

American Standard Channel Conversion Factors



Member Size	Weight	W/D Value	Metric Designation	M/D Value	Hp/A Value	Square Ft. / Lin. Foot	Square M. / Lin. Meter
C15 x	50	1.15	380 x 74	67.9	116.5	3.62	1.10
	40	0.93	x 60	54.9	144.1	3.56	1.09
	33.9	0.80	x 50	47.2	167.5	3.52	1.07
C12 x	30	0.84	310 x 45	49.6	159.5	2.96	0.90
	25	0.71	x 37	41.9	188.7	2.92	0.89
	20.7	0.59	x 31	34.8	227.1	2.88	0.88
C10 x	30	0.96	250 x 45	56.6	139.6	2.58	0.79
	25	0.82	x 37	48.4	163.4	2.54	0.77
	20	0.66	x 30	38.9	203.0	2.49	0.76
	15.3	0.52	x 23	30.7	257.7	2.45	0.75
C9 x	20	0.72	230 x 30	42.5	186.1	2.30	0.70
	15	0.55	x 22	32.5	243.6	2.25	0.69
	13.4	0.50	x 20	29.5	268.0	2.23	0.68
C8 x	18.75	0.74	200 x 28	43.7	181.1	2.09	0.64
	13.75	0.56	x 20	33.0	239.3	2.03	0.62
	11.5	0.47	x 17	27.7	285.1	2.01	0.61
C7 x	14.75	0.66	180 x 22	38.9	203.0	1.86	0.57
	12.25	0.55	x 18	32.5	243.6	1.83	0.56
	9.8	0.45	x 15	26.6	297.7	1.79	0.55
C6 x	13	0.65	150 x 19	38.4	206.1	1.65	0.50
	10.5	0.54	x 16	31.9	248.1	1.61	0.49
	8.2	0.43	x 12	25.4	311.6	1.58	0.48
C5 x	9	0.53	130 x 13	31.3	252.8	1.40	0.43
	6.7	0.41	x 10	24.2	326.8	1.36	0.41
C4 x	7.25	0.51	100 x 11	30.1	262.7	1.18	0.36
	5.4	0.39	x 8	23.0	343.5	1.13	0.34
C3 x	6	0.51	75 x 9	30.1	262.7	0.975	0.30
	5	0.43	x 7	25.4	311.6	0.950	0.29
	4.1	0.37	x 6	21.8	362.1	0.917	0.28

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.