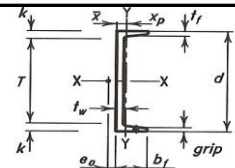


MC Channel Sizes & Section Properties



MC sections	W(lbs)	A(in <sup>2</sup> )	d(in)	bf(in)	tw(in)	tf (in)	Ix(in <sup>4</sup> )	Zx(in <sup>3</sup> )	Sx (in <sup>3</sup> )	rx(in)	Iy(in <sup>4</sup> )	Zy(in <sup>3</sup> )	Sy(in <sup>4</sup> )	ry(in)
MC18X58	58.0	17.1	18.0	4.20	0.700	0.625	675	95.4	75.0	6.29	17.6	10.7	5.28	1.02
MC18X51.9	51.9	15.3	18.0	4.10	0.600	0.625	627	87.3	69.6	6.41	16.3	9.86	5.02	1.03
MC18X45.8	45.8	13.5	18.0	4.00	0.500	0.625	578	79.2	64.2	6.55	14.9	9.14	4.77	1.05
MC18X42.7	42.7	12.6	18.0	3.95	0.450	0.625	554	75.1	61.5	6.64	14.3	8.82	4.64	1.07
MC13X50	50.0	14.7	13.0	4.41	0.787	0.610	314	60.8	48.3	4.62	16.4	10.2	4.77	1.06
MC13X40	40.0	11.8	13.0	4.19	0.560	0.610	273	51.2	41.9	4.82	13.7	8.66	4.24	1.08
MC13X35	35.0	10.3	13.0	4.07	0.447	0.610	252	46.5	38.8	4.95	12.3	8.04	3.97	1.09
MC13X31.8	31.8	9.35	13.0	4.00	0.375	0.610	239	43.4	36.7	5.05	11.4	7.69	3.79	1.10
MC12X50	50.0	14.7	12.0	4.14	0.835	0.700	269	56.5	44.9	4.28	17.4	10.9	5.64	1.09
MC12X45	45.0	13.2	12.0	4.01	0.710	0.700	251	52.0	41.9	4.36	15.8	10.1	5.30	1.09
MC12X40	40.0	11.8	12.0	3.89	0.590	0.700	234	47.7	39.0	4.46	14.2	9.31	4.98	1.10
MC12X35	35.0	10.3	12.0	3.77	0.465	0.700	216	43.2	36.0	4.59	12.6	8.62	4.64	1.11
MC12X31	31.0	9.12	12.0	3.67	0.370	0.700	202	39.7	33.7	4.71	11.3	8.15	4.37	1.11
MC12X10.6	10.6	3.10	12.0	1.50	0.190	0.309	55.3	11.6	9.22	4.22	0.378	0.635	0.307	0.349
MC10X41.1	41.1	12.1	10.0	4.32	0.796	0.575	157	39.3	31.5	3.61	15.7	9.49	4.85	1.14
MC10X33.6	33.6	9.87	10.0	4.10	0.575	0.575	139	33.7	27.8	3.75	13.1	8.28	4.35	1.15
MC10X28.5	28.5	8.37	10.0	3.95	0.425	0.575	126	30.0	25.3	3.89	11.3	7.59	3.99	1.16
MC10X25	25.0	7.35	10.0	3.41	0.380	0.575	110	26.2	22.0	3.87	7.25	5.65	2.96	0.993
MC10X22	22.0	6.45	10.0	3.32	0.290	0.575	102	23.9	20.5	3.99	6.40	5.29	2.75	0.997
MC10X8.4	8.40	2.46	10.0	1.50	0.170	0.280	31.9	7.92	6.39	3.61	0.326	0.548	0.268	0.364
MC10X6.5	6.50	1.95	10.0	1.17	0.152	0.202	22.9	5.90	4.59	3.43	0.133	0.284	0.137	0.262
MC9X25.4	25.4	7.47	9.00	3.50	0.450	0.550	87.9	23.5	19.5	3.43	7.57	5.70	2.99	1.01
MC9X23.9	23.9	7.02	9.00	3.45	0.400	0.550	84.9	22.5	18.9	3.48	7.14	5.51	2.89	1.01
MC8X22.8	22.8	6.70	8.00	3.50	0.427	0.525	63.8	19.1	15.9	3.09	7.01	5.37	2.81	1.02
MC8X21.4	21.4	6.28	8.00	3.45	0.375	0.525	61.5	18.2	15.4	3.13	6.58	5.18	2.71	1.02
MC8X20	20.0	5.88	8.00	3.03	0.400	0.500	54.4	16.4	13.6	3.04	4.42	3.86	2.02	0.867
MC8X18.7	18.7	5.50	8.00	2.98	0.353	0.500	52.4	15.6	13.1	3.09	4.15	3.72	1.95	0.868
MC8X8.5	8.50	2.50	8.00	1.87	0.179	0.311	23.3	6.95	5.82	3.05	0.624	0.875	0.431	0.500
MC7X22.7	22.7	6.67	7.00	3.60	0.503	0.500	47.4	16.4	13.5	2.67	7.24	5.38	2.83	1.04
MC7X19.1	19.1	5.61	7.00	3.45	0.352	0.500	43.1	14.5	12.3	2.77	6.06	4.85	2.55	1.04
MC6X18	18.0	5.29	6.00	3.50	0.379	0.475	29.7	11.7	9.89	2.37	5.88	4.68	2.47	1.05
MC6X15.3	15.3	4.49	6.00	3.50	0.340	0.385	25.3	9.91	8.44	2.38	4.91	3.85	2.01	1.05
MC6X16.3	16.3	4.79	6.00	3.00	0.375	0.475	26.0	10.4	8.66	2.33	3.77	3.47	1.82	0.887
MC6X15.1	15.1	4.44	6.00	2.94	0.316	0.475	24.9	9.83	8.30	2.37	3.46	3.30	1.73	0.883
MC6X12	12.0	3.53	6.00	2.50	0.310	0.375	18.7	7.47	6.24	2.30	1.85	1.97	1.03	0.724
MC6X7	7.00	2.09	6.00	1.88	0.179	0.291	11.4	4.50	3.81	2.34	0.603	0.865	0.439	0.537
MC6X6.5	6.50	1.95	6.00	1.85	0.155	0.291	11.0	4.28	3.66	2.38	0.565	0.836	0.422	0.539
MC4X13.8	13.8	4.03	4.00	2.50	0.500	0.500	8.85	5.53	4.43	1.48	2.13	2.40	1.29	0.727
MC3X7.1	7.10	2.11	3.00	1.94	0.312	0.351	2.72	2.24	1.81	1.14	0.666	0.998	0.518	0.562