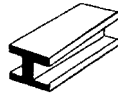


# W-BEAMS (Wide Flange Beams)



PER ASTM A-36  
58,000/80,000 PSI  
STOCK LENGTHS - 20', 30', 40'

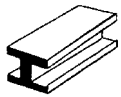
Nominal Size	Weight Per Ft. (Lbs)	Depth of Section (Inches)	Flange Width (Inches)	Flange Thickness (Inches)	Web Thickness (Inches)
W4	13.0	4.16	4.060	.345	.280
W5	16.0	5.01	5.000	.360	.240
	19.0	5.15	5.030	.430	.270
W6	9.0	5.90	3.940	.215	.170
	12.0	6.03	4.000	.280	.230
	15.0	5.99	5.990	.260	.230
	16.0	6.28	4.030	.405	.260
	20.0	6.20	6.020	.365	.260
	25.0	6.38	6.080	.455	.320
W8	10.0	7.89	3.940	.205	.170
	13.0	7.99	4.000	.255	.230
	15.0	8.11	4.015	.315	.245
	18.0	8.14	5.250	.330	.230
	21.0	8.28	5.270	.400	.250
	24.0	7.93	6.495	.400	.245
	28.0	8.06	6.535	.465	.285
	31.0	8.00	7.995	.435	.285
	35.0	8.12	8.020	.495	.310
	40.0	8.25	8.070	.560	.360
	48.0	8.50	8.110	.685	.400
W10	12.0	9.87	3.960	.210	.190
	15.0	9.99	4.000	.270	.230
	17.0	10.11	4.010	.330	.240
	19.0	10.24	4.020	.395	.250
	22.0	10.17	5.750	.360	.240
	26.0	10.33	5.770	.440	.260
	30.0	10.47	5.810	.510	.300
	33.0	9.73	7.960	.435	.290
	39.0	9.92	7.985	.530	.315
	45.0	10.10	8.020	.620	.350
	49.0	9.98	10.000	.560	.340
	54.0	10.09	10.030	.615	.370
	60.0	10.22	10.080	.680	.420
68.0	10.40	10.130	.770	.470	
77.0	10.60	10.190	.870	.530	
88.0	10.84	10.265	.990	.605	
W12	14.0	11.91	3.970	.225	.200
	16.0	11.99	3.990	.265	.220
	19.0	12.16	4.005	.350	.235

Nominal Size	Weight Per Ft. (Lbs)	Depth of Section (Inches)	Flange Width (Inches)	Flange Thickness (Inches)	Web Thickness (Inches)
W12	22.0	12.31	4.030	.425	.260
	26.0	12.22	6.490	.380	.230
	30.0	12.34	6.520	.440	.260
	35.0	12.50	6.560	.520	.300
	40.0	11.94	8.005	.515	.295
	45.0	12.06	8.045	.575	.335
	50.0	12.19	8.080	.640	.370
	53.0	12.06	9.995	.575	.345
	58.0	12.19	10.010	.640	.360
	65.0	12.12	12.000	.605	.390
W14	72.0	12.25	12.040	.670	.430
	79.0	12.38	12.080	.735	.470
	87.0	12.53	12.125	.810	.515
	22.0	13.74	5.000	.335	.230
	26.0	13.91	5.025	.420	.255
	30.0	13.84	6.730	.385	.270
	34.0	13.98	6.745	.455	.285
	38.0	14.10	6.770	.515	.310
W16	43.0	13.66	7.995	.530	.305
	48.0	13.79	8.030	.595	.340
	53.0	13.92	8.060	.660	.370
	61.0	13.89	9.995	.645	.375
	68.0	14.04	10.035	.720	.415
	74.0	14.17	10.070	.785	.450
	82.0	14.31	10.130	.855	.510
	90.0	14.02	14.520	.710	.440
	99.0	14.16	14.565	.780	.485
	W18	26.0	15.69	5.500	.345
31.0		15.88	5.525	.440	.275
36.0		15.86	6.985	.430	.295
40.0		16.01	6.995	.505	.305
45.0		16.13	7.035	.565	.345
50.0		16.26	7.070	.630	.380
57.0		16.43	7.120	.715	.430
67.0		16.33	10.235	.665	.395
77.0		16.52	10.295	.760	.455
89.0		16.75	10.365	.875	.525
100.0		16.97	10.425	.985	.585
W18	35.0	17.70	6.000	.425	.300
	40.0	17.90	6.015	.525	.315
	46.0	18.06	6.060	.605	.360
	50.0	18.00	7.500	.570	.355
	55.0	18.11	7.530	.630	.390

## W-BEAMS (CONTINUED)

Nominal Size	Weight Per Ft. (Lbs)	Depth of Section (Inches)	Flange Width (Inches)	Flange Thickness (Inches)	Web Thickness (Inches)
W18	60.0	18.24	7.555	.695	.415
	65.0	18.35	7.590	.750	.450
	71.0	18.47	7.635	.810	.495
	76.0	18.21	11.035	.680	.425
	86.0	18.39	11.090	.770	.480
	97.0	18.59	11.145	.870	.535
W21	44.0	20.66	6.500	.450	.350
	50.0	20.83	6.530	.535	.380
	57.0	21.06	6.555	.650	.405
	62.0	20.99	8.240	.615	.400
	68.0	21.13	8.270	.685	.430
	73.0	21.24	8.295	.740	.455
	83.0	21.43	8.355	.835	.515
	101.0	21.36	12.290	.800	.500
	111.0	21.51	13.340	.875	.550
W24	55.0	23.57	7.005	.505	.395
	62.0	23.74	7.040	.590	.430
	68.0	23.73	8.965	.585	.415
	76.0	23.92	8.990	.680	.440
	84.0	24.10	9.020	.770	.470
	94.0	24.31	9.065	.875	.515
	104.0	24.06	12.750	.750	.500
W27	84.0	26.71	9.960	.640	.460
	94.0	26.92	9.990	.745	.490
	102.0	27.09	10.015	.830	.515
W30	108.0	29.83	10.475	.760	.545

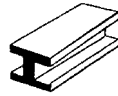
## M-BEAMS (JUNIOR BEAMS)



PER ASTM A-36  
58,000/80,000 PSI  
STOCK LENGTHS - 20', 30', 40'

Nominal Size	Weight Per Foot (Lbs)	Width of Flange (Inches)	Web Thickness (Inches)
M5	18.9	5.003	.316
M6	4.4	1.844	.114
M8	6.5	2.281	.135
M10	9.0	2.690	.157
M12	11.8	3.065	.177

## S-BEAMS (I-BEAMS)



PER ASTM A-36  
58,000/80,000 PSI  
STOCK LENGTHS - 20', 30', 40'

Nominal Size	Weight Per Foot (Lbs)	Web Thickness (Inches)	Flange Thickness (Inches)
S3	5.7	.170	2.330
	7.5	.349	2.509
S4	7.7	.193	2.663
	9.5	.326	2.796
S5	10.0	.214	3.004
S6	12.5	.232	3.332
	17.25	.465	3.565
S7	15.3	.252	3.662
	20.0	.450	3.860
S8	18.4	.271	4.001
	23.0	.441	4.171
S10	25.4	.311	4.661
	35.0	.594	4.944
S12	31.8	.350	5.000
	35.0	.428	5.078
	40.8	.462	5.252
S15	50.0	.687	5.477
	42.9	.411	5.501
S18	50.0	.550	5.640
	54.7	.461	6.001
S20	70.0	.711	6.251
	66.0	.505	6.255
S24	80.0	.500	7.000
	121.0	.800	8.050