

## S Beam (I Beam)



Common grade: ASTM A992.....min. 50,000 yield / min. 65,000 tensile

Depth		x	Weight (lbs.)	Web	Flange	Flange	Weight (lbs.)	Weight (lbs.)
			per Foot	Thickness	Width	Thickness	per 20'	per 40'
S 3	x		5.7	0.170	2.330	0.260	114	228
			7.5	0.349	2.509	0.260	150	300
S 4	x		7.7	0.193	2.663	0.293	154	308
			9.5	0.326	2.796	0.293	190	380
S 5	x		10.0	0.214	3.004	0.326	200	400
			14.75	0.494	3.284	0.326	295	590
			12.5	0.232	3.332	0.359	250	500
S 6	x		17.25	0.465	3.565	0.359	345	690
			15.3	0.252	3.662	0.392	306	612
			20.0	0.450	3.860	0.392	400	800
S 8	x		18.4	0.271	4.001	0.425	368	736
			23.0	0.441	4.171	0.425	460	920
S 10	x		25.4	0.311	4.661	0.491	508	1016
			35.0	0.594	4.944	0.491	700	1400
S 12	x		31.8	0.350	5.000	0.544	636	1272
			35.0	0.428	5.078	0.544	700	1400
			40.8	0.472	5.252	0.659	816	1632
			50.0	0.687	5.477	0.659	1000	2000
			42.9	0.411	5.501	0.622	858	1716
S 15	x		50.0	0.550	5.564	0.622	1000	2000
			54.7	0.461	6.001	0.691	1094	2188
S 18	x		70.0	0.711	6.251	0.691	1400	2800
			66.0	0.505	6.255	0.795	1320	2640
S 20	x		86.0	0.660	7.060	0.920	1720	3440
			80.0	0.500	7.000	0.870	1600	3200
			100.0	0.745	7.245	0.870	2000	4000
S 24	x		106.0	0.620	7.870	1.090	2120	4240

## JR Beam



Common grade: ASTM A36.....min. 36,000 yield / min. 58,000 tensile

Depth		x	Weight (lbs.)	Web	Flange	Flange	Weight (lbs.)
			per Foot	Thickness	Width	Thickness	per 40'
JR 6	x		4.4	0.114	1.844	0.171	176
JR 8	x		6.5	0.135	2.281	0.189	260
JR 10	x		9.0	0.157	2.690	0.206	360
JR 12	x		11.8	0.177	3.065	0.225	472

## W Beam (Wide Flange)



Common grade: ASTM A992.....min. 50,000 yield / min. 65,000 tensile

	Nominal Depth		Weight (lbs.) per Foot	Actual Depth*	Web Thickness	Flange Width	Flange Thickness	Weight (lbs.) per 40'
W	4	x	13	4.16	0.280	4.060	0.345	520
W	5	x	16	5.01	0.240	5.000	0.360	640
W			19	5.15	0.270	5.030	0.430	760
W	6	x	9	5.90	0.170	3.940	0.215	360
			12	6.03	0.230	4.000	0.280	480
			15	5.99	0.230	5.990	0.260	600
			16	6.28	0.260	4.030	0.405	640
			20	6.20	0.260	6.020	0.365	800
			25	6.38	0.320	6.080	0.455	1000
W	8	x	10	7.89	0.170	3.940	0.205	400
			13	7.99	0.230	4.000	0.255	520
			15	8.11	0.245	4.015	0.315	600
			18	8.14	0.230	5.250	0.330	720
			21	8.28	0.250	5.270	0.400	840
			24	7.93	0.245	6.495	0.400	960
			28	8.06	0.285	6.535	0.465	1120
			31	8.00	0.285	7.995	0.435	1240
			35	8.12	0.310	8.020	0.495	1400
			40	8.25	0.360	8.070	0.560	1600
			48	8.50	0.400	8.110	0.685	1920
			58	8.75	0.510	8.220	0.810	2320
			67	9.00	0.570	8.280	0.935	2680
W	10	x	12	9.87	0.190	3.960	0.210	480
			15	9.99	0.230	4.000	0.270	600
			17	10.11	0.240	4.010	0.330	680
			19	10.24	0.250	4.020	0.395	760
			22	10.17	0.240	5.750	0.360	880
			26	10.33	0.260	5.770	0.440	1040
			30	10.47	0.300	5.810	0.510	1200
			33	9.73	0.290	7.960	0.435	1320
			39	9.92	0.315	7.985	0.530	1560
			45	10.10	0.350	8.020	0.620	1800
			49	9.98	0.340	10.000	0.560	1960
			54	10.09	0.370	10.030	0.615	2160
			60	10.22	0.420	10.080	0.680	2400
			68	10.40	0.470	10.130	0.770	2720
			77	10.60	0.530	10.190	0.870	3080
			88	10.84	0.605	10.265	0.990	3520
			100	11.10	0.680	10.340	1.120	4000
			112	11.36	0.755	10.415	1.250	4480
W	12	x	14	11.91	0.200	3.970	0.225	560
			16	11.99	0.220	3.990	0.265	640
			19	12.16	0.235	4.005	0.350	760
			22	12.31	0.260	4.030	0.425	880
			26	12.22	0.230	6.490	0.380	1040
			30	12.34	0.260	6.520	0.440	1200
			35	12.50	0.300	6.560	0.520	1400
			40	11.94	0.295	8.005	0.515	1600
			45	12.06	0.335	8.045	0.575	1800
			50	12.19	0.370	8.080	0.640	2000
			53	12.06	0.345	9.995	0.575	2120
			58	12.19	0.360	10.010	0.640	2320
			65	12.12	0.390	12.000	0.605	2600

			72	12.25	0.430	12.040	0.670	2880
			79	12.38	0.470	12.080	0.735	3160
			87	12.53	0.515	12.125	0.810	3480
			96	12.71	0.550	12.160	0.900	3840
			106	12.89	0.610	12.220	0.990	4240
W	14	x	22	13.74	0.230	5.000	0.335	880
			26	13.91	0.255	5.025	0.420	1040
			30	13.84	0.270	6.730	0.385	1200
			34	13.98	0.285	6.745	0.455	1360
			38	14.10	0.310	6.770	0.515	1520
			43	13.66	0.305	7.995	0.530	1720
			48	13.79	0.340	8.030	0.595	1920
			53	13.92	0.370	8.060	0.660	2120
			61	13.89	0.375	9.995	0.645	2440
			74	14.17	0.450	10.070	0.785	2960
			82	14.31	0.510	10.130	0.855	3280
			90	14.02	0.440	14.520	0.710	3600
			99	14.16	0.485	14.565	0.780	3960
			109	14.32	0.525	14.605	0.860	4360
W	16	x	26	15.69	0.250	5.500	0.345	1040
			31	15.88	0.275	5.525	0.440	1240
			36	15.86	0.295	6.985	0.430	1440
			40	16.01	0.305	6.995	0.505	1600
			45	16.13	0.345	7.035	0.565	1800
			50	16.26	0.380	7.070	0.630	2000
			57	16.43	0.430	7.120	0.715	2280
			67	16.33	0.395	10.235	0.665	2680
			77	16.52	0.455	10.295	0.760	3080
			89	16.75	0.525	10.365	0.875	3560
			100	16.97	0.585	10.425	0.985	4000
W	18	x	35	17.70	0.300	6.000	0.425	1400
			40	17.90	0.315	6.015	0.525	1600
			46	18.06	0.360	6.060	0.605	1840
			50	17.99	0.355	7.495	0.570	2000
			55	18.11	0.390	7.530	0.630	2200
			60	18.24	0.415	7.555	0.695	2400
			65	18.35	0.450	7.590	0.750	2600
			71	18.47	0.495	7.635	0.810	2840
			86	18.39	0.480	11.090	0.770	3440
			97	18.59	0.535	11.145	0.870	3880
			106	18.73	0.590	11.200	0.940	4240
			119	18.97	0.655	11.265	1.060	4760
W	21	x	44	20.66	0.350	6.500	0.450	1760
			50	20.83	0.380	6.530	0.535	2000
			57	21.06	0.405	6.555	0.650	2280
			62	20.99	0.400	8.240	0.615	2480
			68	21.13	0.430	8.270	0.685	2720
			73	21.24	0.455	8.295	0.740	2920
			111	21.51	0.550	12.340	0.875	4440
W	24	x	55	23.57	0.395	7.005	0.505	2200
			62	23.74	0.430	7.040	0.590	2480
			68	23.73	0.415	8.965	0.585	2720
			76	23.92	0.440	8.990	0.680	3040
			84	24.10	0.470	9.020	0.770	3360
			94	24.31	0.515	9.065	0.875	3760
			104	24.06	0.500	12.750	0.750	4160
W	27	x	94	26.92	0.490	9.990	0.745	3760
W	30	x	99	29.65	0.520	10.450	0.670	3960

\* Depth may vary within mill tolerances