

Standard Beams (S)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
S3 x 5.7	3.00	2.33	.260	.170	S 75 x 8	76	59	6.6	4.3
7.5	3.00	2.51	.260	.349	11	76	63	6.6	8.9
S4 x 7.7	4.00	2.66	.293	.193	S 100 x 11	102	67	7.4	4.8
9.5	4.00	2.80	.293	.326	14.1	102	70	7.4	8.3
S5 x 10	5.00	3.00	.326	.214	S 130 x 15	127	76	8.3	5.3
14.75	5.00	3.20	.326	.494	22	127	83	8.3	12.5
S6 x 12.5	6.00	3.33	.359	.232	S 150 x 19	152	84	9.1	5.8
17.25	6.00	3.57	.359	.465	26	152	90	9.1	11.8
S7 x 15.3	7.00	3.66	.392	.252	S 180 x 22.8	178	92	10.0	6.4
20	7.00	3.86	.392	.450	30	178	97	10.0	11.4
S8 x 18.4	8.00	4.00	.425	.271	S 200 x 27	203	102	10.8	6.9
23	8.00	4.17	.425	.441	34	203	106	10.8	11.2
S10 x 25.4	10.00	4.66	.491	.311	S 250 x 38	254	118	12.5	7.9
35	10.00	4.94	.491	.594	52	254	126	12.5	15.1
S12 x 31.8	12.00	5.00	.544	.350	S 310 x 47	305	127	13.8	8.9
35	12.00	5.08	.544	.428	52	305	129	13.8	10.9
40.8	12.00	5.25	.659	.472	60.7	305	133	16.8	11.7
50	12.00	5.48	.659	.687	74	305	139	16.8	17.4
S15 x 42.9	15.00	5.50	.622	.411	S 380 x 64	381	140	15.8	10.4
50	15.00	5.64	.622	.550	74	381	143	15.8	14.0
S18 x 54.7	18.00	6.00	.691	.460	S 460 x 81.4	457	152	17.6	11.7
70	18.00	6.25	.691	.711	104	457	159	17.6	18.1
S20 x 66.4	20.00	6.26	.795	.505	S 510 x 97.3	508	159	20.2	12.8
75	20.00	6.39	.795	.635	112	508	162	20.2	16.1
86	20.30	7.06	.920	.660	128	516	179	23.4	16.8
96	20.30	7.20	.920	.800	143	516	183	23.4	20.3
S24 x 80	24.00	7.00	.870	.500	S 610 x 119.9	610	178	22.1	12.7
90	24.00	7.13	.870	.625	134	610	181	22.1	15.9
100	24.00	7.24	.870	.745	149	610	184	22.1	18.9
106.9	24.50	7.87	1.09	.620	158.6	622	200	27.7	15.7
121	24.50	8.05	1.09	.800	180	622	204	27.7	20.3

Wide Flange Beam (W)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W4 x 13	4.16	4.06	.345	.280	W100 x 19	106	103	8.8	7.1
W5 x 16	5.01	5.00	.360	.240	W130 x 24	127	127	9.1	6.1
19	5.15	5.03	.430	.270	28	131	128	10.9	6.9
W6 x 9	5.90	3.94	.215	.170	W150 x 14	150	100	5.5	4.3
12	6.03	4.00	.280	.230	18	153	102	7.1	5.8
16	6.28	4.03	.405	.260	24	160	102	10.3	6.6
15	5.99	5.99	.260	.230	22	152	152	6.6	5.8
20	6.20	6.02	.365	.260	30	157	153	9.3	6.6
25	6.38	6.08	.455	.320	37	162	154	11.6	8.1
W8 x 10	7.89	3.94	.205	.170	W200 x 15	200	100	5.2	4.3
13	7.99	4.00	.255	.230	19	203	102	6.5	5.8
15	8.11	4.02	.315	.245	22	206	102	8.0	6.2
18	8.14	5.25	.330	.230	27	207	133	8.4	5.8
21	8.28	5.27	.400	.250	31	210	134	10.2	6.4
24	7.93	6.49	.400	.245	36	201	165	10.2	6.2
28	8.06	6.53	.465	.285	42	205	166	11.8	7.2
31	8.00	8.00	.435	.285	46	203	203	11.0	7.2
35	8.12	8.02	.495	.310	52	206	204	12.6	7.9
40	8.25	8.07	.560	.360	59	210	205	14.2	9.1
48	8.50	8.11	.685	.400	71	216	206	17.4	10.2
58	8.75	8.22	.810	.510	86	222	209	20.6	13.0
67	9.00	8.28	.935	.870	100	229	210	23.7	14.5
W10 x 12	9.87	3.96	.210	.190	W250 x 18	251	101	5.3	4.8
15	9.99	4.00	.270	.230	22	254	102	6.9	5.8
17	10.11	4.01	.330	.240	25	257	102	8.4	6.1
19	10.24	4.02	.395	.250	28	260	102	10.0	6.4
22	10.17	5.75	.360	.240	33	258	146	9.1	6.1
26	10.33	5.77	.440	.260	39	262	147	11.2	6.6
30	10.47	5.81	.510	.300	45	266	148	13.0	7.6
33	9.73	7.96	.435	.290	49	247	202	11.0	7.4
39	9.92	7.98	.530	.315	58	252	203	13.5	8.0
45	10.10	8.02	.620	.350	67	257	204	15.7	8.9
49	9.98	10.00	.560	.340	73	253	254	14.2	8.6
54	10.03	10.03	.615	.370	80	256	255	15.6	9.4
60	10.22	10.08	.680	.420	89	260	256	17.3	10.7
68	10.40	10.13	.770	.470	101	264	257	19.6	11.9

Wide Flange Beam (W)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W10 x 77	10.60	10.19	.870	.530	W250 x 115	269	259	22.1	13.5
88	10.84	10.26	.990	.605	131	275	261	25.1	15.4
100	11.10	10.34	1.12	.680	149	282	263	28.4	17.3
112	11.36	10.42	1.25	.755	167	289	265	31.8	19.2
W12 x 14	11.91	3.97	.255	.200	W310 x 21	303	101	5.7	5.1
16	11.99	3.99	.265	.220	24	305	101	6.7	5.6
19	12.16	4.00	.650	.235	28	309	102	8.9	6.0
22	12.31	4.03	.425	.260	33	313	102	10.8	6.6
26	12.22	6.49	.380	.230	39	310	165	9.7	5.8
30	12.34	6.52	.440	.260	45	313	166	11.2	6.6
35	12.50	6.56	.520	.300	52	317	167	13.2	7.6
40	11.94	8.01	.515	.295	60	303	203	13.1	7.5
45	12.06	8.05	.575	.335	67	306	204	14.6	8.5
50	12.19	8.08	.640	.370	74	310	205	16.3	9.4
53	12.06	9.99	.575	.345	79	306	254	14.6	8.8
58	12.19	10.01	.640	.360	86	310	254	16.3	9.1
65	12.12	12.00	.605	.390	97	308	305	15.4	9.9
72	12.25	12.04	.670	.430	107	311	306	17.0	10.9
79	12.38	12.08	.735	.470	118	314	307	18.7	11.9
87	12.53	12.13	.810	.515	129	318	308	20.6	13.1
96	12.71	12.16	.900	.550	143	323	309	22.9	1.0
106	12.89	12.22	.990	.610	158	327	310	25.1	15.5
120	13.12	12.32	1.10	.710	179	333	313	28.1	18.0
136	13.41	12.40	1.25	.790	202	341	315	31.8	20.1
152	13.71	12.48	1.40	.870	226	348	317	35.6	22.1
170	14.03	12.57	1.56	.960	253	356	319	39.6	24.4
190	14.38	12.67	1.73	1.06	283	365	322	44.1	26.9
W14 x 22	13.74	5.00	.335	.230	W360 x 45	349	127	8.5	5.8
26	13.91	5.02	.420	.255	39	353	128	10.7	6.5
30	13.84	6.73	.385	.270	45	352	171	9.8	6.9
34	13.98	6.74	.455	.285	51	355	171	11.6	7.2
38	14.10	6.77	.515	.310	57	358	172	13.1	7.9
43	13.66	7.99	.530	.305	64	347	203	13.5	7.7
48	13.79	8.03	.595	.340	72	350	204	15.1	8.6
53	13.92	8.06	.660	.370	79	354	205	16.8	9.4

Wide Flange Beams (W)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W14 x 61	13.89	9.99	.645	.375	W360 x 91	353	254	16.4	9.5
68	14.04	10.03	.720	.415	101	357	255	18.3	10.5
74	14.17	10.07	.785	.450	110	360	256	19.9	11.4
82	14.31	10.13	.855	.510	122	363	257	21.7	13.0
90	14.02	14.52	.710	.440	134	356	369	18.0	11.2
99	14.16	14.56	.780	.485	147	360	370	19.8	12.3
109	14.32	14.60	.860	.525	162	364	371	21.8	13.3
120	14.48	14.67	.940	.590	179	368	373	23.9	15.0
132	14.66	14.73	1.03	.645	196	372	374	26.2	16.4
145	14.78	15.50	1.09	.680	237	375	394	27.7	17.3
159	14.98	15.56	1.19	.745	262	380	395	30.2	18.9
176	15.22	15.65	1.31	.830	287	387	398	33.3	21.1
193	15.48	15.71	1.44	.890	314	393	399	36.6	22.6
211	15.72	15.80	1.56	.980	347	399	401	39.6	24.9
233	16.04	15.89	1.72	1.07		407	404	43.7	27.2
W18 x 35	17.70	6.00	.425	.300	W460 x 52	450	152	10.8	7.6
40	17.90	6.02	.525	.515	60	455	153	13.3	8.0
41	18.06	6.06	.605	.360	61	459	154	15.4	9.1
45	17.86	7.48	.499	.335	68	454	190	12.7	8.5
50	17.99	7.50	.570	.355	74	457	190	14.5	9.0
55	18.11	7.53	.630	.390	82	460	191	16.0	9.9
60	18.24	7.56	.695	.415	89	463	192	17.7	10.5
65	18.35	7.59	.750	.450	97	466	193	19.0	11.4
71	18.47	7.64	.810	.495	106	469	194	20.6	12.6
76	18.21	11.04	.680	.425	113	463	280	17.3	10.8
86	18.39	11.09	.770	.480	128	467	282	19.6	12.2
97	18.59	11.14	.870	.535	144	472	283	22.1	13.6
106	18.73	11.20	.940	.590	158	476	284	23.9	15.0
119	18.97	11.26	1.06	.655	177	482	286	26.9	16.6

Wide Flange Beams (W)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W21 x 44	20.66	6.50	.450	.350	W530 x 66	525	165	11.4	8.9
50	20.83	6.53	.535	.380	74	529	166	13.6	9.7
57	21.06	6.56	.650	.405	85	535	166	16.5	10.3
62	20.99	8.24	.615	.400	92	533	209	15.6	10.2
68	21.13	8.27	.685	.430	101	537	210	17.4	10.9
73	21.24	8.30	.740	.455	109	539	211	18.8	11.6
83	21.43	8.36	.835	.515	123	544	212	21.2	13.1
93	21.62	8.42	.930	.580	138	549	214	23.6	14.7
111	21.51	12.34	.875	.550	165	546	313	22.2	14.0
122	21.68	12.39	.960	.600	182	551	315	24.4	15.2
132	21.83	12.44	1.04	.650	196	554	316	26.3	16.5
147	22.06	12.51	1.15	.720	219	560	318	29.2	18.3
W24 x 55	23.57	7.00	.505	.395	W610 x 82	599	178	12.8	10.0
62	23.74	7.04	.590	.430	92	603	179	15.0	10.9
68	23.73	8.96	.585	.415	101	603	228	14.9	10.5
76	23.92	8.99	.680	.440	113	608	228	17.3	11.2
84	24.10	9.02	.770	.470	125	612	229	19.6	11.9
94	24.31	9.06	.875	.515	140	617	230	22.2	13.1
104	24.06	12.75	.750	.500	155	611	324	19.0	12.7
117	24.26	12.80	.850	.550	174	616	325	21.6	14.0
131	24.48	12.85	.960	.605	195	622	327	24.4	15.4
146	24.74	12.90	1.09	.650	217	628	328	27.7	16.5
162	25.00	12.95	1.22	.705	241	635	329	31.0	17.9
W27 x 84	26.71	9.96	.640	.460	W690 x 125	678	253	16.3	11.7
94	26.92	9.99	.745	.490	140	684	254	18.9	12.4
102	27.09	10.02	.830	.515	152	688	254	21.1	13.1
114	27.29	10.07	.930	.570	170	693	256	23.6	14.5
146	27.38	13.96	.975	.605	217	695	355	24.8	15.4
161	27.59	14.02	1.08	.660	240	701	356	27.4	16.8
178	27.81	14.09	1.19	.725	265	706	358	30.2	18.4

Wide Flange Beams (W)

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W30 x 99	29.65	10.45	.670	.520	W760 x 147	753	265	17.0	13.2
108	29.83	10.48	.760	.545	161	758	266	19.3	13.8
116	30.01	10.49	.850	.565	173	762	267	21.6	14.4
124	30.17	10.52	.930	.585	185	766	267	23.6	14.9
132	30.31	10.55	1.00	.615	196	770	268	25.4	15.6
173	30.44	14.98	1.06	.655	257	773	381	27.1	16.6
191	30.68	15.04	1.19	.710	284	779	382	30.1	18.0
211	30.94	15.10	1.31	.775	314	786	384	33.4	19.7
W33 x 118	32.86	11.48	.740	.550	W840 x 176	835	292	18.8	14.0
130	33.09	11.51	.855	.580	193	840	292	21.7	14.7
141	33.30	11.54	.960	.605	210	846	293	24.4	15.4
152	33.49	11.56	1.06	.635	226	851	294	26.8	16.1
201	33.68	15.74	1.15	.715	229	855	400	29.2	18.2
221	33.93	15.81	1.27	.775	329	862	401	32.4	19.7
241	34.18	15.86	1.40	.830	359	868	403	35.6	21.1
W36 x 135	35.55	11.95	.790	.600	W920 x 201	903	304	20.1	15.2
150	35.85	11.98	.940	.625	223	911	304	23.9	15.9
160	36.01	12.00	1.02	.650	238	915	305	25.9	16.5
170	36.17	12.03	1.10	.680	253	919	306	27.9	17.3
182	36.33	12.07	1.18	.725	271	923	307	30.0	18.4
194	36.49	12.12	1.26	.765	289	927	308	32.0	19.4
210	36.69	12.18	1.35	.830	313	932	309	34.5	21.1
230	35.90	16.47	1.26	.760	342	912	418	32.0	19.3
245	36.08	16.51	1.35	.800	365	916	419	34.3	20.3
260	36.26	16.55	1.44	.840	387	921	420	36.6	21.3
280	36.52	16.60	1.57	.885	417	928	422	39.9	22.5
300	36.74	16.65	1.68	.945	446	933	423	42.7	24.0

Light Sections

Imperial	Depth Inches	Flange Width Inches	Flange Thickness Inches	Web Thickness Inches	Metric	Depth mm	Flange Width mm	Flange Thickness mm	Web Thickness mm
W8 x 14	7.98	5.21	.250	.195	W200 x 21	203	133	6.35	4.95
W10 x 16	9.95	5.71	.250	.195	W250 x 24	253	145	6.35	4.95
W12 x 21	12.04	6.45	.290	.195	W310 x 31	306	164	7.37	4.95
W21 x 48	20.62	8.14	.430	.350	W530 x 72	524	207	10.9	8.89
W24 x 56	23.48	8.90	.460	.550	W610 x 84	596	226	11.7	9.02
W24 x 61	23.56	8.93	.500	.380	W610 x 91	598	227	12.7	9.65

