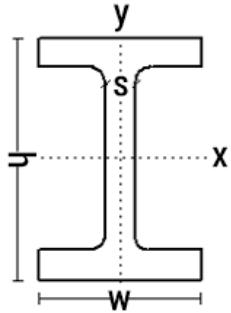
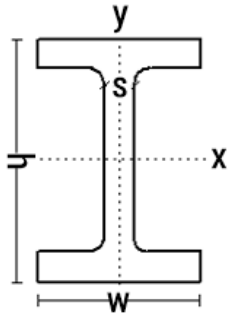


# AMERICAN WIDE FLANGE BEAMS - W BEAM (1)



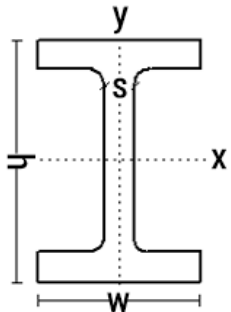
Designation	Dimensions					Static Parameters			
						Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W 27 x 178	27.8	14.09	0.725	52.3	178	6990	555	502	78.8
W 27 x 161	27.6	14.02	0.660	47.4	161	6280	497	455	70.9
W 27 x 146	27.4	14	0.605	42.9	146	5630	443	411	63.5
W 27 x 114	27.3	10.07	0.570	33.5	114	4090	159	299	31.5
W 27 x 102	27.1	10.02	0.515	30.0	102	3620	139	267	27.8
W 27 x 94	26.9	10	0.490	27.7	94	3270	124	243	24.8
W 27 x 84	26.7	9.96	0.460	24.8	84	2850	106	213	21.2
W 24 x 162	25	13	0.705	47.7	162	5170	443	414	68.4
W 24 x 146	24.7	12.9	0.650	43.0	146	4580	391	371	60.5
W 24 x 131	24.5	12.9	0.605	38.5	131	4020	340	329	53.0
W 24 x 117	24.3	12.8	0.55	34.4	117	3540	297	291	46.5
W 24 x 104	24.1	12.75	0.500	30.6	104	3100	259	258	40.7
W 24 x 94	24.1	9.07	0.515	27.7	94	2700	109	222	24.0
W 24 x 84	24.1	9.02	0.470	24.7	84	2370	94.4	196	20.9
W 24 x 76	23.9	9	0.440	22.4	76	2100	82.5	176	18.4
W 24 x 68	23.7	8.97	0.415	20.1	68	1830	70.4	154	15.7
W 24 x 62	23.7	7.04	0.430	18.2	62	1550	34.5	131	9.8
W 24 x 55	23.6	7.01	0.395	16.2	55	1350	29.1	114	8.3
W 21 x 147	22.1	12.51	0.720	43.2	147	3630	376	329	60.1
W 21 x 132	21.8	12.44	0.650	38.8	132	3220	333	295	53.5
W 21 x 122	21.7	12.39	0.600	35.9	122	2960	305	273	49.2
W 21 x 111	21.5	12.34	0.550	32.7	111	2670	274	249	44.5
W 21 x 101	21.4	12.29	0.500	29.8	101	2420	248	227	40.3
W 21 x 93	21.6	8.42	0.580	27.3	93	2070	92.9	192	22.1
W 21 x 83	21.4	8.36	0.515	24.3	83	1830	81.4	171	19.5
W 21 x 73	21.2	8.3	0.455	21.5	73	1600	70.6	151	17.0
W 21 x 68	21.1	8.27	0.430	20.0	68	1480	64.7	140	15.7
W 21 x 62	21	8.24	0.400	18.3	62	1330	57.5	127	13.9
W 21 x 57	21.1	6.56	0.405	16.7	57	1170	30.6	111	9.4
W 21 x 50	20.8	6.53	0.380	14.7	50	984	24.9	94.5	7.6
W 21 x 44	20.7	6.5	0.350	13.0	44	843	20.7	81.6	6.4

# AMERICAN WIDE FLANGE BEAMS - W BEAM (2)



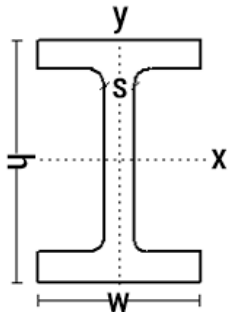
Designation	Dimensions					Static Parameters			
	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)						I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W18x119	19	11.27	0.655	35.1	119	2190	253	231	44.9
W18x106	18.7	11.2	0.590	31.1	106	1910	220	204	39.4
W18x97	15.6	11.15	0.535	28.5	97	1750	201	188	36.1
W18x86	18.4	11.09	0.480	25.3	86	1530	175	166	31.6
W18x76	18.2	11.04	0.425	22.3	76	1330	152	146	27.6
W18x71	18.5	7.64	0.495	20.8	71	1170	60.3	127	15.8
W18x65	18.4	7.59	0.450	19.1	65	1070	54.8	117	14.4
W18x60	18.2	7.56	0.415	17.6	60	984	50.1	108	13.3
W18x55	18.1	7.53	0.390	16.2	55	890	44.9	98.3	11.9
W18x50	18	7.5	0.355	14.7	50	800	40.1	88.9	10.7
W18x46	18.1	6.06	0.360	13.5	46	712	22.5	78.8	7.4
W18x40	17.9	6.02	0.315	11.8	40	612	19.1	68.4	6.4
W18x35	17.7	6	0.300	10.3	35	510	15.3	57.6	5.1
W16x100	16.97	10.425	0.585	29.4	100	1490	186	175	35.7
W16x89	16.75	10.365	0.525	26.2	89	1300	163	155	31.4
W16x77	16.52	10.295	0.455	22.6	77	1100	138	134	26.9
W16x67	16.33	10.235	0.395	19.7	67	954	119	117	23.2
W16x57	16.43	7.120	0.430	16.8	57	758	43.1	92.2	12.1
W16x50	16.26	7.070	0.380	14.7	50	659	37.2	81	10.5
W16x45	16.13	7.035	0.345	13.3	45	586	32.8	72.7	9.3
W16x40	16.01	6.995	0.305	11.8	40	518	28.9	64.7	8.3
W16x36	15.86	6.985	0.295	10.6	36	448	24.5	56.5	7
W16x31	15.88	5.525	0.275	9.12	31	375	12.4	47.2	4.5
W16x26	15.69	5.5	0.250	7.68	26	301	9.6	38.4	3.5

# AMERICAN WIDE FLANGE BEAMS - W BEAM (3)



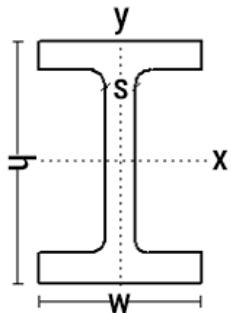
Designation	Dimensions					Static Parameters			
	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)						I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W14x132	14.66	14.725	0.645	38.8	132	1530	548	209	74.5
W14x120	14.48	14.670	0.590	35.3	120	1380	495	190	67.5
W14x109	14.32	14.605	0.525	32	109	1240	447	173	61.2
W14x99	14.16	14.565	0.485	29.1	99	1110	402	157	55.2
W14x90	14.02	14.520	0.440	26.5	90	999	362	143	49.9
W14x82	14.31	10.130	0.510	24.1	82	882	148	123	29.3
W14x74	14.17	10.070	0.450	21.8	74	796	134	112	26.6
W14x68	14.04	10.035	0.415	20.0	68	723	121	103	24.2
W14x61	13.89	9.995	0.375	17.9	61	640	107	92.2	21.5
W14x53	13.92	8.060	0.370	15.6	53	541	57.7	77.8	14.3
W14x48	13.79	8.030	0.340	14.1	48	485	51.4	70.3	12.8
W14x43	13.66	7.995	0.305	12.6	43	428	45.2	62.7	11.3
W14x38	14.10	6.770	0.310	11.2	38	385	26.7	54.6	7.9
W14x34	13.98	6.745	0.285	10.0	34	340	23.3	48.6	6.9
W14x30	13.84	6.730	0.270	8.85	30	291	19.6	42.0	5.8
W14x26	13.91	5.025	0.255	7.69	26	245	8.9	35.3	3.5
W14x22	13.74	5	0.230	6.49	22	199	7	29.0	2.8

# AMERICAN WIDE FLANGE BEAMS - W BEAM (4)



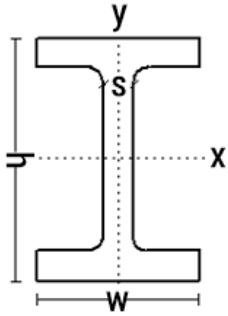
Designation	Dimensions					Static Parameters			
	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)						I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W 12 x 136	13.41	12.4	0.79	39.9	136	1240	398	186	64.2
W 12 x 120	13.12	12.32	0.71	35.3	120	1070	345	163	56.0
W 12 x 106	12.89	12.22	0.61	31.2	106	933	301	145	49.3
W 12 x 96	12.71	12.16	0.55	28.2	96	833	270	131	44.4
W 12 x 87	12.53	12.125	0.515	25.6	87	740	241	118	39.7
W 12 x 79	12.38	12.08	0.47	23.2	79	662	216	107	35.8
W 12 x 72	12.25	12.04	0.43	21.1	72	597	195	97.4	32.4
W 12 x 65	12.12	12	0.39	19.1	65	533	174	87.9	29.1
W 12 x 58	12.19	10.01	0.36	17.0	58	475	107	78	21.4
W 12 x 53	12.06	9.995	0.345	15.6	53	425	95.8	70.6	19.2
W 12 x 50	12.19	8.08	0.37	14.7	50	394	56.3	64.7	13.9
W 12 x 45	12.06	8.045	0.335	13.2	45	350	50.0	58.1	12.4
W 12 x 40	11.94	8.005	0.295	11.8	40	310	44.1	51.9	11.0
W 12 x 35	12.50	6.56	0.3	10.3	35	285	24.5	45.6	7.5
W 12 x 30	12.34	6.52	0.26	8.8	30	238	20.3	38.6	6.2
W 12 x 26	12.22	6.490	0.23	7.7	26	204	17.3	33.4	5.3
W 12 x 22	12.31	4.03	0.26	6.5	22	156	4.7	25.4	2.3
W 12 x 19	12.16	4.005	0.235	5.6	19	130	3.8	21.3	1.9
W 12 x 16	11.99	3.990	0.22	4.7	16	103	2.8	17.1	1.4
W 12 x 14	11.91	3.970	0.2	4.2	14	88.6	2.4	14.9	1.2

# AMERICAN WIDE FLANGE BEAMS - W BEAM (5)



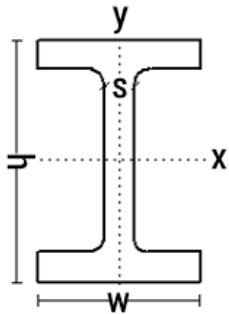
Designation	Dimensions					Static Parameters			
						Moment of Inertia		Section Modulus	
	Imperial (in x lb/ft)	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )
W10 x112	11.36	10.415	0.755	32.9	112	716	236	126	45.3
W10 x100	11.1	10.340	0.680	29.4	100	623	207	112	40.0
W10 x88	10.84	10.265	0.605	25.9	88	534	179	98.5	34.8
W10 x77	10.60	10.190	0.530	22.6	77	455	154	85.9	30.1
W10 x68	10.40	10.130	0.470	20.0	68	394	134	75.7	26.4
W10 x60	10.22	10.080	0.420	17.6	60	341	116	66.7	23.0
W10 x54	10.09	10.030	0.370	15.8	54	303	103	60.0	20.6
W10 x49	9.98	10	0.340	14.4	49	272	93.4	54.6	18.7
W10 x45	10.10	8.020	0.350	13.3	45	248	53.4	49.1	13.3
W10 x39	9.92	7.985	0.315	11.5	39	209	45.0	42.1	11.3
W10 x33	9.73	7.960	0.290	9.71	33	170	36.6	35.0	9.2
W10 x30	10.47	5.81	0.3	8.84	30	170	16.7	32.4	5.8
W10 x26	10.33	5.770	0.26	7.6	26	144	14.1	27.9	4.9
W10 x22	10.17	5.750	0.240	6.5	22	118	11.4	23.2	4
W10 x19	10.24	4.020	0.250	5.6	19	96.3	3	18.8	2.1
W10 x17	10.11	4.010	0.240	5	17	81.9	3.6	16.2	1.8
W10 x15	9.99	4	0.230	4.4	15	68.9	2.9	13.8	1.5
W10 x12	9.87	3.960	0.190	3.5	12	53.8	2.2	10.9	1.1

# AMERICAN WIDE FLANGE BEAMS - W BEAM (6)



Designation	Dimensions					Static Parameters			
	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)						I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W10 x 112	11.36	10.415	0.755	32.9	112	716	236	126	45.3
W10 x 100	11.1	10.340	0.680	29.4	100	623	207	112	40.0
W10 x 88	10.84	10.265	0.605	25.9	88	534	179	98.5	34.8
W10 x 77	10.60	10.190	0.530	22.6	77	455	154	85.9	30.1
W10 x 68	10.40	10.130	0.470	20.0	68	394	134	75.7	26.4
W10 x 60	10.22	10.080	0.420	17.6	60	341	116	66.7	23.0
W10 x 54	10.09	10.030	0.370	15.8	54	303	103	60.0	20.6
W10 x 49	9.98	10	0.340	14.4	49	272	93.4	54.6	18.7
W10 x 45	10.10	8.020	0.350	13.3	45	248	53.4	49.1	13.3
W10 x 39	9.92	7.985	0.315	11.5	39	209	45.0	42.1	11.3
W10 x 33	9.73	7.960	0.290	9.71	33	170	36.6	35.0	9.2
W10 x 30	10.47	5.81	0.3	8.84	30	170	16.7	32.4	5.8
W10 x 26	10.33	5.770	0.26	7.6	26	144	14.1	27.9	4.9
W10 x 22	10.17	5.750	0.240	6.5	22	118	11.4	23.2	4
W10 x 19	10.24	4.020	0.250	5.6	19	96.3	3	18.8	2.1
W10 x 17	10.11	4.010	0.240	5	17	81.9	3.6	16.2	1.8
W10 x 15	9.99	4	0.230	4.4	15	68.9	2.9	13.8	1.5
W10 x 12	9.87	3.960	0.190	3.5	12	53.8	2.2	10.9	1.1
W8 x 67	9.00	8.280	0.570	19.7	67	272	88.6	60.4	21.4
W8 x 58	8.75	8.220	0.510	17.1	58	228	75.1	52.0	18.3
W8 x 48	8.5	8.110	0.400	14.1	48	184	60.9	43.3	15.0
W8 x 40	8.25	8.070	0.360	11.7	40	146	49.1	35.5	12.2
W8 x 35	8.12	8.020	0.310	10.3	35	127	42.6	31.2	10.6
W8 x 31	8.00	7.995	0.285	9.1	31	110	37.1	27.5	9.3
W8 x 28	8.06	6.535	0.285	8.3	28	98.0	21.7	24.3	6.6
W8 x 24	7.93	6.495	0.245	7.1	24	82.8	18.3	20.9	5.6
W8 x 21	8.28	5.270	0.250	6.2	21	75.3	9.8	18.2	3.7
W8 x 18	8.14	5.250	0.230	5.3	18	61.9	8	15.2	3
W8 x 15	8.11	4.015	0.245	4.4	15	48.0	3.4	11.8	1.7
W8 x 13	7.99	4	0.230	3.8	13	39.6	2.7	9.9	1.4
W8 x 10	7.89	3.940	0.170	2.9	10	30.3	2.1	7.8	1.1

# AMERICAN WIDE FLANGE BEAMS - W BEAM (7)



Designation	Dimensions					Static Parameters			
						Moment of Inertia		Section Modulus	
Imperial (in x lb/ft)	Depth h (in)	Width w (in)	Web Thickness s (in)	Sectional Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	I <sub>y</sub> (in <sup>4</sup> )	W <sub>x</sub> (in <sup>3</sup> )	W <sub>y</sub> (in <sup>3</sup> )
W 6 x 25	6.38	6.080	0.320	7.3	25	53.4	17.1	16.7	5.6
W 6 x 20	6.20	6.020	0.260	5.9	20	41.4	13.3	13.4	4.4
W 6 x 16	6.28	4.030	0.260	4.7	16	32.1	4.4	10.2	2.2
W 6 x 15	5.99	5.990	0.230	4.4	15	29.1	9.3	9.7	3.1
W 6 x 12	6.03	4	0.230	3.6	12	22.1	3	7.3	1.5
W 6 x 9	5.90	3.940	0.170	2.7	9	16.4	2.2	5.6	1.1
W 5 x 19	5.15	5.030	0.270	5.5	19	26.2	9.1	10.2	3.6
W 5 x 16	5.01	5	0.240	4.7	16	21.3	7.5	8.5	3
W 4 x 13	4.16	4.060	0.280	3.8	13	11.3	3.9	5.5	1.9