

W Property Table

<i>Shape</i>	<i>Depth</i> <i>(inch)</i>	<i>Flange width</i> <i>(inch)</i>	<i>Flange thickness</i> <i>(inch)</i>	<i>Web thickness</i> <i>(inch)</i>	<i>Area</i> <i>(in2)</i>	<i>Sx</i> <i>(in3)</i>	<i>Sy</i> <i>(in3)</i>
W44X335	44	16	1.77	1.02	98.3	1410	151
W44X290	43.6	15.8	1.58	0.87	85.8	1240	132
W44X262	43.3	15.8	1.42	0.79	77.2	1120	118
W44X230	42.9	15.8	1.22	0.71	67.7	971	101
W40X593	43	16.7	3.23	1.79	174	2340	302
W40X503	42.1	16.4	2.76	1.54	148	1980	250
W40X431	41.3	16.2	2.36	1.34	127	1690	208
W40X397	41	16.1	2.2	1.22	117	1560	191
W40X372	40.6	16.1	2.05	1.16	109	1460	177
W40X362	40.6	16	2.01	1.12	107	1420	173
W40X324	40.2	15.9	1.81	1	95.3	1280	153
W40X297	39.8	15.8	1.65	0.93	87.4	1170	138
W40X277	39.7	15.8	1.58	0.83	81.4	1100	132
W40X249	39.4	15.8	1.42	0.75	73.3	993	118
W40X215	39	15.8	1.22	0.65	63.4	859	101
W40X199	38.7	15.8	1.07	0.65	58.5	770	88.2
W40X392	41.6	12.4	2.52	1.42	115	1440	130
W40X331	40.8	12.2	2.13	1.22	97.5	1210	106
W40X327	40.8	12.1	2.13	1.18	96	1200	105
W40X278	40.2	12	1.81	1.02	81.8	1020	87.1
W40X264	40	11.9	1.73	0.96	77.6	971	82.6
W40X235	39.7	11.9	1.58	0.83	69	875	74.6
W40X211	39.4	11.8	1.42	0.75	62	786	66.1
W40X183	39	11.8	1.22	0.65	53.8	683	56.9
W40X167	38.6	11.8	1.02	0.65	49.2	600	47.9
W40X149	38.2	11.8	0.83	0.63	43.8	513	38.8
W36X798	42	18	4.29	2.38	235	2980	467
W36X650	40.5	17.6	3.54	1.97	191	2420	367
W36X527	39.2	17.2	2.91	1.61	155	1950	289
W36X439	38.3	17	2.44	1.36	129	1620	235
W36X393	37.8	16.8	2.2	1.22	116	1450	208
W36X359	37.4	16.7	2.01	1.12	105	1320	188
W36X328	37.1	16.6	1.85	1.02	96.4	1210	171
W36X300	36.7	16.7	1.68	0.945	88.3	1110	156
W36X280	36.5	16.6	1.57	0.885	82.4	1030	144
W36X260	36.3	16.6	1.44	0.84	76.5	953	132
W36X245	36.1	16.5	1.35	0.8	72.1	895	123
W36X230	35.9	16.5	1.26	0.76	67.6	837	114
W36X256	37.4	12.2	1.73	0.96	75.4	895	86.5
W36X232	37.1	12.1	1.57	0.87	68.1	809	77.2
W36X210	36.7	12.2	1.36	0.83	61.8	719	67.5
W36X194	36.5	12.1	1.26	0.765	57	664	61.9
W36X182	36.3	12.1	1.18	0.725	53.6	623	57.6
W36X170	36.2	12	1.1	0.68	50.1	581	53.2
W36X160	36	12	1.02	0.65	47	542	49.1
W36X150	35.9	12	0.94	0.625	44.2	504	45.1
W36X135	35.6	12	0.79	0.6	39.7	439	37.7
W33X387	36	16.2	2.28	1.26	114	1350	200
W33X354	35.6	16.1	2.09	1.16	104	1240	181
W33X318	35.2	16	1.89	1.04	93.6	1110	161
W33X291	34.8	15.9	1.73	0.96	85.7	1020	146

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Shape	Depth	Flange width	Flange thickness	Web thickness	Area	Sx	Sy
	(inch)	(inch)	(inch)	(inch)	(in²)	(in³)	(in³)
W33X263	34.5	15.8	1.57	0.87	77.5	919	131
W33X241	34.2	15.9	1.4	0.83	71	831	118
W33X221	33.9	15.8	1.27	0.775	65.2	759	106
W33X201	33.7	15.7	1.15	0.715	59.2	686	95.2
W33X169	33.8	11.5	1.22	0.67	49.5	549	53.9
W33X152	33.5	11.6	1.06	0.635	44.8	487	47.2
W33X141	33.3	11.5	0.96	0.605	41.6	448	42.7
W33X130	33.1	11.5	0.855	0.58	38.3	406	37.9
W33X118	32.9	11.5	0.74	0.55	34.7	359	32.6
W30X391	33.2	15.6	2.44	1.36	115	1250	198
W30X357	32.8	15.5	2.24	1.24	105	1140	179
W30X326	32.4	15.4	2.05	1.14	95.8	1040	162
W30X292	32	15.3	1.85	1.02	85.9	930	144
W30X261	31.6	15.2	1.65	0.93	76.9	829	127
W30X235	31.3	15.1	1.5	0.83	69.2	748	114
W30X211	30.9	15.1	1.32	0.775	62.2	665	100
W30X191	30.7	15	1.19	0.71	56.3	600	89.5
W30X173	30.4	15	1.07	0.655	51	541	79.8
W30X148	30.7	10.5	1.18	0.65	43.5	436	43.3
W30X132	30.3	10.5	1	0.615	38.9	380	37.2
W30X124	30.2	10.5	0.93	0.585	36.5	355	34.4
W30X116	30	10.5	0.85	0.565	34.2	329	31.3
W30X108	29.8	10.5	0.76	0.545	31.7	299	27.9
W30X99	29.7	10.5	0.67	0.52	29.1	269	24.5
W30X90	29.5	10.4	0.61	0.47	26.4	245	22.1
W27X539	32.5	15.3	3.54	1.97	159	1570	277
W27X368	30.4	14.7	2.48	1.38	108	1060	179
W27X336	30	14.6	2.28	1.26	98.9	972	162
W27X307	29.6	14.4	2.09	1.16	90.4	887	146
W27X281	29.3	14.4	1.93	1.06	82.9	814	133
W27X258	29	14.3	1.77	0.98	76	745	120
W27X235	28.7	14.2	1.61	0.91	69.4	677	108
W27X217	28.4	14.1	1.5	0.83	64	627	99.8
W27X194	28.1	14	1.34	0.75	57.2	559	88.1
W27X178	27.8	14.1	1.19	0.725	52.5	505	78.8
W27X161	27.6	14	1.08	0.66	47.6	458	70.9
W27X146	27.4	14	0.975	0.605	43.1	414	63.5
W27X129	27.6	10	1.1	0.61	37.8	345	36.8
W27X114	27.3	10.1	0.93	0.57	33.5	299	31.5
W27X102	27.1	10	0.83	0.515	30	267	27.8
W27X94	26.9	9.99	0.745	0.49	27.7	243	24.8
W27X84	26.7	9.96	0.64	0.46	24.8	213	21.2
W24X370	28	13.7	2.72	1.52	109	957	170
W24X335	27.5	13.5	2.48	1.38	98.4	864	152
W24X306	27.1	13.4	2.28	1.26	89.8	789	137
W24X279	26.7	13.3	2.09	1.16	82	718	124
W24X250	26.3	13.2	1.89	1.04	73.5	644	110
W24X229	26	13.1	1.73	0.96	67.2	588	99.4
W24X207	25.7	13	1.57	0.87	60.7	531	88.8
W24X192	25.5	13	1.46	0.81	56.3	491	81.8
W24X176	25.2	12.9	1.34	0.75	51.7	450	74.3
W24X162	25	13	1.22	0.705	47.7	414	68.4
W24X146	24.7	12.9	1.09	0.65	43	371	60.5
W24X131	24.5	12.9	0.96	0.605	38.5	329	53
W24X117	24.3	12.8	0.85	0.55	34.4	291	46.5

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	(inch)	(inch)	(inch)	(inch)	(in²)	(in³)	(in³)
W24X104	24.1	12.8	0.75	0.5	30.6	258	40.7
W24X103	24.5	9	0.98	0.55	30.3	245	26.5
W24X94	24.3	9.07	0.875	0.515	27.7	222	24
W24X84	24.1	9.02	0.77	0.47	24.7	196	20.9
W24X76	23.9	8.99	0.68	0.44	22.4	176	18.4
W24X68	23.7	8.97	0.585	0.415	20.1	154	15.7
W24X62	23.7	7.04	0.59	0.43	18.3	132	9.8
W24X55	23.6	7.01	0.505	0.395	16.3	115	8.3
W21X201	23	12.6	1.63	0.91	59.2	461	86.1
W21X182	22.7	12.5	1.48	0.83	53.6	417	77.2
W21X166	22.5	12.4	1.36	0.75	48.8	380	70
W21X147	22.1	12.5	1.15	0.72	43.2	329	60.1
W21X132	21.8	12.4	1.03	0.65	38.8	295	53.5
W21X122	21.7	12.4	0.96	0.6	35.9	273	49.2
W21X111	21.5	12.3	0.875	0.55	32.7	249	44.5
W21X101	21.4	12.3	0.8	0.5	29.8	227	40.3
W21X93	21.6	8.42	0.93	0.58	27.3	192	22.1
W21X83	21.4	8.36	0.835	0.515	24.3	171	19.5
W21X73	21.2	8.3	0.74	0.455	21.5	151	17
W21X68	21.1	8.27	0.685	0.43	20	140	15.7
W21X62	21	8.24	0.615	0.4	18.3	127	14
W21X55	20.8	8.22	0.522	0.375	16.2	110	11.8
W21X48	20.6	8.14	0.43	0.35	14.1	93	9.52
W21X57	21.1	6.56	0.65	0.405	16.7	111	9.35
W21X50	20.8	6.53	0.535	0.38	14.7	94.5	7.64
W21X44	20.7	6.5	0.45	0.35	13	81.6	6.37
W18X175	20	11.4	1.59	0.89	51.3	344	68.8
W18X158	19.7	11.3	1.44	0.81	46.3	310	61.4
W18X143	19.5	11.2	1.32	0.73	42.1	282	55.5
W18X130	19.3	11.2	1.2	0.67	38.2	256	49.9
W18X119	19	11.3	1.06	0.655	35.1	231	44.9
W18X106	18.7	11.2	0.94	0.59	31.1	204	39.4
W18X97	18.6	11.1	0.87	0.535	28.5	188	36.1
W18X86	18.4	11.1	0.77	0.48	25.3	166	31.6
W18X76	18.2	11	0.68	0.425	22.3	146	27.6
W18X71	18.5	7.64	0.81	0.495	20.8	127	15.8
W18X65	18.4	7.59	0.75	0.45	19.1	117	14.4
W18X60	18.2	7.56	0.695	0.415	17.6	108	13.3
W18X55	18.1	7.53	0.63	0.39	16.2	98.3	11.9
W18X50	18	7.5	0.57	0.355	14.7	88.9	10.7
W18X46	18.1	6.06	0.605	0.36	13.5	78.8	7.43
W18X40	17.9	6.02	0.525	0.315	11.8	68.4	6.35
W18X35	17.7	6	0.425	0.3	10.3	57.6	5.12
W16X100	17	10.4	0.985	0.585	29.7	177	35.7
W16X89	16.8	10.4	0.875	0.525	26.4	157	31.4
W16X77	16.5	10.3	0.76	0.455	22.9	136	26.9
W16X67	16.3	10.2	0.665	0.395	20	119	23.2
W16X57	16.4	7.12	0.715	0.43	16.8	92.2	12.1
W16X50	16.3	7.07	0.63	0.38	14.7	81	10.5
W16X45	16.1	7.04	0.565	0.345	13.3	72.7	9.34
W16X40	16	7	0.505	0.305	11.8	64.7	8.25
W16X36	15.9	6.99	0.43	0.295	10.6	56.5	7
W16X31	15.9	5.53	0.44	0.275	9.13	47.2	4.49
W16X26	15.7	5.5	0.345	0.25	7.68	38.4	3.49
W14X808	22.8	18.6	5.12	3.74	237	1400	594

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	(inch)	(inch)	(inch)	(inch)	(in²)	(in³)	(in³)
W14X730	22.4	17.9	4.91	3.07	215	1280	527
W14X665	21.6	17.7	4.52	2.83	196	1150	472
W14X605	20.9	17.4	4.16	2.6	178	1040	423
W14X550	20.2	17.2	3.82	2.38	162	931	378
W14X500	19.6	17	3.5	2.19	147	838	339
W14X455	19	16.8	3.21	2.02	134	756	304
W14X426	18.7	16.7	3.04	1.88	125	706	283
W14X398	18.3	16.6	2.85	1.77	117	656	262
W14X370	17.9	16.5	2.66	1.66	109	607	241
W14X342	17.5	16.4	2.47	1.54	101	558	221
W14X311	17.1	16.2	2.26	1.41	91.4	506	199
W14X283	16.7	16.1	2.07	1.29	83.3	459	179
W14X257	16.4	16	1.89	1.18	75.6	415	161
W14X233	16	15.9	1.72	1.07	68.5	375	145
W14X211	15.7	15.8	1.56	0.98	62	338	130
W14X193	15.5	15.7	1.44	0.89	56.8	310	119
W14X176	15.2	15.7	1.31	0.83	51.8	281	107
W14X159	15	15.6	1.19	0.745	46.7	254	96.2
W14X145	14.8	15.5	1.09	0.68	42.7	232	87.3
W14X132	14.7	14.7	1.03	0.645	38.8	209	74.5
W14X120	14.5	14.7	0.94	0.59	35.3	190	67.5
W14X109	14.3	14.6	0.86	0.525	32	173	61.2
W14X99	14.2	14.6	0.78	0.485	29.1	157	55.2
W14X90	14	14.5	0.71	0.44	26.5	143	49.9
W14X82	14.3	10.1	0.855	0.51	24	123	29.3
W14X74	14.2	10.1	0.785	0.45	21.8	112	26.6
W14X68	14	10	0.72	0.415	20	103	24.2
W14X61	13.9	9.99	0.645	0.375	17.9	92.1	21.5
W14X53	13.9	8.06	0.66	0.37	15.6	77.8	14.3
W14X48	13.8	8.03	0.595	0.34	14.1	70.2	12.8
W14X43	13.7	8	0.53	0.305	12.6	62.6	11.3
W14X38	14.1	6.77	0.515	0.31	11.2	54.6	7.88
W14X34	14	6.75	0.455	0.285	10	48.6	6.91
W14X30	13.8	6.73	0.385	0.27	8.85	42	5.82
W14X26	13.9	5.03	0.42	0.255	7.69	35.3	3.55
W14X22	13.7	5	0.335	0.23	6.49	29	2.8
W12X336	16.8	13.4	2.96	1.78	98.8	483	177
W12X305	16.3	13.2	2.71	1.63	89.6	435	159
W12X279	15.9	13.1	2.47	1.53	81.9	393	143
W12X252	15.4	13	2.25	1.4	74	353	127
W12X230	15.1	12.9	2.07	1.29	67.7	321	115
W12X210	14.7	12.8	1.9	1.18	61.8	292	104
W12X190	14.4	12.7	1.74	1.06	55.8	263	93
W12X170	14	12.6	1.56	0.96	50	235	82.3
W12X152	13.7	12.5	1.4	0.87	44.7	209	72.8
W12X136	13.4	12.4	1.25	0.79	39.9	186	64.2
W12X120	13.1	12.3	1.11	0.71	35.3	163	56
W12X106	12.9	12.2	0.99	0.61	31.2	145	49.3
W12X96	12.7	12.2	0.9	0.55	28.2	131	44.4
W12X87	12.5	12.1	0.81	0.515	25.6	118	39.7
W12X79	12.4	12.1	0.735	0.47	23.2	107	35.8
W12X72	12.3	12	0.67	0.43	21.1	97.4	32.4
W12X65	12.1	12	0.605	0.39	19.1	87.9	29.1
W12X58	12.2	10	0.64	0.36	17	78	21.4
W12X53	12.1	9.99	0.575	0.345	15.6	70.6	19.2

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	<i>(inch)</i>	<i>(inch)</i>	<i>(inch)</i>	<i>(inch)</i>	<i>(in2)</i>	<i>(in3)</i>	<i>(in3)</i>
W12X50	12.2	8.08	0.64	0.37	14.6	64.2	13.9
W12X45	12.1	8.05	0.575	0.335	13.1	57.7	12.4
W12X40	11.9	8.01	0.515	0.295	11.7	51.5	11
W12X35	12.5	6.56	0.52	0.3	10.3	45.6	7.47
W12X30	12.3	6.52	0.44	0.26	8.79	38.6	6.24
W12X26	12.2	6.49	0.38	0.23	7.65	33.4	5.34
W12X22	12.3	4.03	0.425	0.26	6.48	25.4	2.31
W12X19	12.2	4.01	0.35	0.235	5.57	21.3	1.88
W12X16	12	3.99	0.265	0.22	4.71	17.1	1.41
W12X14	11.9	3.97	0.225	0.2	4.16	14.9	1.19
W10X112	11.4	10.4	1.25	0.755	32.9	126	45.3
W10X100	11.1	10.3	1.12	0.68	29.4	112	40
W10X88	10.8	10.3	0.99	0.605	25.9	98.5	34.8
W10X77	10.6	10.2	0.87	0.53	22.6	85.9	30.1
W10X68	10.4	10.1	0.77	0.47	20	75.7	26.4
W10X60	10.2	10.1	0.68	0.42	17.6	66.7	23
W10X54	10.1	10	0.615	0.37	15.8	60	20.6
W10X49	9.98	10	0.56	0.34	14.4	54.6	18.7
W10X45	10.1	8.02	0.62	0.35	13.3	49.1	13.3
W10X39	9.92	7.99	0.53	0.315	11.5	42.1	11.3
W10X33	9.73	7.96	0.435	0.29	9.71	35	9.2
W10X30	10.5	5.81	0.51	0.3	8.84	32.4	5.75
W10X26	10.3	5.77	0.44	0.26	7.61	27.9	4.89
W10X22	10.2	5.75	0.36	0.24	6.49	23.2	3.97
W10X19	10.2	4.02	0.395	0.25	5.62	18.8	2.14
W10X17	10.1	4.01	0.33	0.24	4.99	16.2	1.78
W10X15	9.99	4	0.27	0.23	4.41	13.8	1.45
W10X12	9.87	3.96	0.21	0.19	3.54	10.9	1.1
W8X67	9	8.28	0.935	0.57	19.7	60.4	21.4
W8X58	8.75	8.22	0.81	0.51	17.1	52	18.3
W8X48	8.5	8.11	0.685	0.4	14.1	43.2	15
W8X40	8.25	8.07	0.56	0.36	11.7	35.5	12.2
W8X35	8.12	8.02	0.495	0.31	10.3	31.2	10.6
W8X31	8	8	0.435	0.285	9.12	27.5	9.27
W8X28	8.06	6.54	0.465	0.285	8.24	24.3	6.63
W8X24	7.93	6.5	0.4	0.245	7.08	20.9	5.63
W8X21	8.28	5.27	0.4	0.25	6.16	18.2	3.71
W8X18	8.14	5.25	0.33	0.23	5.26	15.2	3.04
W8X15	8.11	4.01	0.315	0.245	4.44	11.8	1.7
W8X13	7.99	4	0.255	0.23	3.84	9.91	1.37
W8X10	7.89	3.94	0.205	0.17	2.96	7.81	1.06
W6X25	6.38	6.08	0.455	0.32	7.36	16.8	5.61
W6X20	6.2	6.02	0.365	0.26	5.89	13.4	4.41
W6X15	5.99	5.99	0.26	0.23	4.45	9.77	3.11
W6X16	6.28	4.03	0.405	0.26	4.74	10.2	2.2
W6X12	6.03	4	0.28	0.23	3.55	7.31	1.5
W6X9	5.9	3.94	0.215	0.17	2.68	5.56	1.11
W6X8.5	5.83	3.94	0.194	0.17	2.51	5.08	1.01
W5X19	5.15	5.03	0.43	0.27	5.56	10.2	3.63
W5X16	5.01	5	0.36	0.24	4.71	8.55	3
W4X13	4.16	4.06	0.345	0.28	3.83	5.46	1.9