



Technical data of sections W

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Technical data of sections W

American wide flange beams

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Designation	G kg/m	Dimensions						Section properties								
		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis			Weak axis					
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 100 x 100 x 19.3	19.4	106.0	103	7.1	8.8	6	24.71	476	89.79	103.29	4.39	160.61	31.19	47.94	2.55	
W 130 x 130 x 23.8	23.8	127.0	127	6.1	9.1	8	30.30	886	139.45	157.20	5.41	311.02	48.98	74.67	3.20	
W 130 x 130 x 28.1	28.3	131.0	128	6.9	10.9	8	35.99	1,099	167.79	191.03	5.53	381.45	59.60	90.88	3.26	
W 150 x 100 x 13.5	13.6	150.0	100	4.3	5.5	6	17.29	685	91.35	102.35	6.29	91.80	18.36	28.25	2.30	
W 150 x 100 x 18	17.9	153.0	102	5.8	7.1	6	22.84	915	119.61	135.69	6.33	125.86	24.68	38.23	2.35	
W 150 x 100 x 24	24.0	160.0	102	6.6	10.3	6	30.52	1,343	167.88	191.45	6.63	182.58	35.80	55.24	2.45	
W 150 x 150 x 22.5	22.3	152.0	152	5.8	6.6	6	28.42	1,205	158.55	175.90	6.51	386.58	50.87	77.54	3.69	
W 150 x 150 x 29.8	29.8	157.0	153	6.6	9.3	6	37.90	1,714	218.34	243.86	6.72	555.55	72.62	110.50	3.83	
W 150 x 150 x 37.1	37.1	162.0	154	8.1	11.6	6	47.28	2,219	273.95	309.79	6.85	706.81	91.79	140.00	3.87	
W 200 x 100 x 15	15.0	200.0	100	4.3	5.2	8	19.10	1,279	127.90	145.05	8.18	86.89	17.38	27.09	2.13	
W 200 x 100 x 19.3	19.5	203.0	102	5.8	6.5	8	24.83	1,660	163.55	187.74	8.18	115.41	22.63	35.67	2.16	
W 200 x 100 x 22.5	22.5	206.0	102	6.2	8.0	8	28.65	2,003	194.47	222.64	8.36	142.02	27.85	43.71	2.23	
W 200 x 135 x 21	21.3	203.0	133	5.0	6.4	8	27.08	1,980	195.07	217.69	8.55	251.26	37.78	58.03	3.05	
W 200 x 135 x 26.6	26.6	207.0	133	5.8	8.4	8	33.93	2,585	249.76	279.46	8.73	329.81	49.60	76.15	3.12	
W 200 x 135 x 31.3	31.4	210.0	134	6.4	10.2	8	40.02	3,142	299.24	335.71	8.86	409.60	61.13	93.79	3.20	
W 200 x 165 x 35.9	35.9	201.0	165	6.2	10.2	10	45.72	3,437	341.99	379.23	8.67	764.30	92.64	141.04	4.09	
W 200 x 165 x 41.7	41.7	205.0	166	7.2	11.8	10	53.10	4,086	398.63	445.26	8.77	900.50	108.49	165.43	4.12	
W 200 x 200 x 46.1	46.0	203.0	203	7.2	11.0	10	58.55	4,543	447.59	495.28	8.81	1,534.55	151.19	229.50	5.12	
W 200 x 200 x 52	52.2	206.0	204	7.9	12.6	10	66.55	5,270	511.65	569.24	8.90	1,783.93	174.90	265.53	5.18	
W 200 x 200 x 59	59.3	210.0	205	9.1	14.2	10	75.60	6,111	582.00	652.60	8.99	2,040.48	199.07	302.72	5.20	
W 200 x 200 x 71	71.5	216.0	206	10.2	17.4	10	91.03	7,660	709.26	803.17	9.17	2,537.22	246.33	374.54	5.28	
W 200 x 200 x 86	86.7	222.0	209	13.0	20.6	10	110.47	9,469	853.06	980.91	9.26	3,138.40	300.33	458.30	5.33	

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								ly cm ⁴	Wely cm ³	Wply cm ³	ly cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 200 x 200 x 100	99.5	229.0	210	14.5	23.7	10	126.73	11,326	989.17	1,148.93	9.45	3,663.51	348.91	532.95	5.38	
W 250 x 100 x 17.9	17.9	251.0	101	4.8	5.3	8	22.79	2,249	179.20	207.38	9.93	91.34	18.09	28.65	2.00	
W 250 x 100 x 22.3	22.4	254.0	102	5.8	6.9	8	28.56	2,896	228.03	264.07	10.07	122.56	24.03	38.17	2.07	
W 250 x 100 x 25.3	25.4	257.0	102	6.1	8.4	8	32.34	3,430	266.93	307.48	10.30	149.17	29.25	46.20	2.15	
W 250 x 100 x 28.4	28.5	260.0	102	6.4	10.0	8	36.31	4,003	307.92	353.65	10.50	177.54	34.81	54.75	2.21	
W 250 x 145 x 24	24.4	253.0	145	5.0	6.4	8	31.12	3,477	274.86	307.46	10.57	325.55	44.90	69.02	3.23	
W 250 x 145 x 32.7	32.8	258.0	146	6.1	9.1	8	41.75	4,895	379.46	424.87	10.83	472.60	64.74	99.48	3.36	
W 250 x 145 x 38.5	38.7	262.0	147	6.6	11.2	8	49.29	6,015	459.16	514.12	11.05	593.68	80.77	123.90	3.47	
W 250 x 145 x 44.8	45.0	266.0	148	7.6	13.0	8	57.27	7,115	534.96	602.70	11.15	703.45	95.06	146.15	3.50	
W 250 x 250 x 73	72.9	253.0	254	8.6	14.2	13	92.90	11,282	891.86	985.63	11.02	3,880.30	305.54	463.26	6.46	
W 250 x 250 x 80	80.2	256.0	255	9.4	15.6	13	102.14	12,575	982.42	1,090.96	11.10	4,313.64	338.32	513.27	6.50	
W 250 x 250 x 89	89.6	260.0	256	10.7	17.3	13	114.15	14,262	1,097.08	1,226.70	11.18	4,840.81	378.19	574.54	6.51	
W 250 x 250 x 101	101.2	264.0	257	11.9	19.6	13	128.95	16,377	1,240.68	1,397.32	11.27	5,549.42	431.86	656.52	6.56	
W 250 x 250 x 115	114.8	269.0	259	13.5	22.1	13	146.28	18,945	1,408.55	1,599.67	11.38	6,405.46	494.63	752.89	6.62	
W 250 x 250 x 131	131.2	275.0	261	15.4	25.1	13	167.09	22,157	1,611.42	1,847.57	11.52	7,446.35	570.60	869.79	6.68	
W 250 x 250 x 149	149.0	282.0	263	17.3	28.4	13	189.79	25,940	1,839.72	2,129.45	11.69	8,622.36	655.69	1,000.73	6.74	
W 250 x 250 x 167	167.4	289.0	265	19.2	31.8	13	213.27	30,022	2,077.65	2,427.22	11.86	9,878.75	745.57	1,139.17	6.81	
W 310 x 100 x 21	21.1	303.0	101	5.1	5.7	8	26.94	3,712	245.02	287.48	11.74	98.32	19.47	31.21	1.91	
W 310 x 100 x 23.8	23.9	305.0	101	5.6	6.7	8	30.41	4,282	280.79	328.81	11.87	115.61	22.89	36.71	1.95	
W 310 x 100 x 28.3	28.4	309.0	102	6.0	8.9	8	36.18	5,437	351.91	407.53	12.26	158.08	31.00	49.18	2.09	
W 310 x 100 x 32.7	32.8	313.0	102	6.6	10.8	8	41.81	6,507	415.78	480.92	12.48	191.87	37.62	59.63	2.14	
W 310 x 165 x 31	30.9	306.0	164	5.0	7.4	8	39.38	6,554	428.37	476.28	12.90	544.43	66.39	101.57	3.72	
W 310 x 165 x 38.7	38.8	310.0	165	5.8	9.7	8	49.41	8,519	549.61	610.96	13.13	726.83	88.10	134.74	3.84	

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								ly cm ⁴	Wely cm ³	Wply cm ³	ly cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 310 x 165 x 44.5	44.7	313.0	166	6.6	11.2	8	56.91	9,934	634.76	708.33	13.21	854.72	102.98	157.76	3.88	
W 310 x 165 x 52	52.4	317.0	167	7.6	13.2	8	66.72	11,847	747.44	838.03	13.33	1,025.89	122.86	188.57	3.92	
W 310 x 310 x 97	96.8	308.0	305	9.9	15.4	15	123.32	22,236	1,443.90	1,590.65	13.43	7,286.03	477.77	724.69	7.69	
W 310 x 310 x 107	106.9	311.0	306	10.9	17.0	15	136.17	24,791	1,594.28	1,764.58	13.49	8,122.88	530.91	805.84	7.72	
W 310 x 310 x 117	117.5	314.0	307	11.9	18.7	15	149.67	27,515	1,752.55	1,948.97	13.56	9,023.61	587.86	892.82	7.76	
W 310 x 310 x 129	129.6	318.0	308	13.1	20.6	15	165.09	30,771	1,935.28	2,163.96	13.65	10,038.78	651.87	990.89	7.80	
W 310 x 310 x 143	143.1	323.0	309	14.0	22.9	15	182.26	34,764	2,152.57	2,418.61	13.81	11,269.11	729.39	1,108.84	7.86	
W 310 x 310 x 158	157.4	327.0	310	15.5	25.1	15	200.46	38,633	2,362.87	2,672.07	13.88	12,473.69	804.75	1,224.83	7.89	
W 310 x 310 x 176	175.7	337.0	308	13.4	30.0	15	223.85	46,408	2,754.18	3,119.83	14.40	14,616.72	949.14	1,437.34	8.08	
W 310 x 310 x 179	178.7	333.0	313	18.0	28.1	15	227.66	44,532	2,674.59	3,052.56	13.99	14,377.67	918.70	1,401.27	7.95	
W 310 x 310 x 202	202.6	341.0	315	20.1	31.8	15	258.03	51,982	3,048.80	3,510.08	14.19	16,588.01	1,053.21	1,608.29	8.02	
W 310 x 310 x 226	226.7	348.0	317	22.1	35.6	15	288.81	59,565	3,423.28	3,974.90	14.36	18,929.70	1,194.30	1,825.29	8.10	
W 310 x 310 x 253	252.9	356.0	319	24.4	39.6	15	322.12	68,226	3,832.92	4,490.35	14.55	21,463.10	1,345.65	2,059.07	8.16	
W 310 x 310 x 283	282.9	365.0	322	26.9	44.1	15	360.40	78,681	4,311.29	5,098.19	14.78	24,589.40	1,527.29	2,339.55	8.26	
W 310 x 310 x 313	313.3	374.0	325	30.0	48.3	15	399.10	89,561	4,789.36	5,715.96	14.98	27,703.22	1,704.81	2,616.81	8.33	
W 310 x 310 x 342	343.2	382.0	328	32.6	52.6	15	437.23	100,510	5,262.30	6,333.60	15.16	31,022.95	1,891.64	2,906.80	8.42	
W 360 x 130 x 32.9	32.7	349.0	127	5.8	8.5	10	41.70	8,258	473.24	541.45	14.07	290.98	45.82	71.78	2.64	
W 360 x 130 x 39	39.1	353.0	128	6.5	10.7	10	49.80	10,231	579.66	661.54	14.33	375.04	58.60	91.63	2.74	
W 360 x 170 x 44	45.0	352.0	171	6.9	9.8	10	57.31	12,157	690.74	778.13	14.56	817.92	95.66	147.73	3.78	
W 360 x 170 x 51	50.6	355.0	171	7.2	11.6	10	64.42	14,122	795.61	893.38	14.81	968.06	113.22	174.40	3.88	
W 360 x 170 x 57.8	56.6	358.0	172	7.9	13.1	10	72.14	16,043	896.26	1,008.61	14.91	1,112.70	129.38	199.48	3.93	
W 360 x 370 x 134	133.9	356.0	369	11.2	18.0	15	170.61	41,509	2,331.97	2,561.98	15.60	15,078.47	817.26	1,237.21	9.40	
W 360 x 370 x 147	147.5	360.0	370	12.3	19.8	15	187.86	46,289	2,571.61	2,838.28	15.70	16,722.36	903.91	1,369.27	9.43	
W 360 x 370 x 162	161.9	364.0	371	13.3	21.8	15	206.30	51,539	2,831.81	3,139.28	15.81	18,561.92	1,000.64	1,516.39	9.49	

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		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis				Weak axis			
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm
W 360 x 370 x 179	179.2	368.0	373	15.0	23.9	15	228.26	57,440	3,121.74	3,482.31	15.86	20,682.99	1,109.01	1,682.70	9.52
W 360 x 370 x 196	196.5	372.0	374	16.4	26.2	15	250.32	63,632	3,421.08	3,837.44	15.94	22,858.09	1,222.36	1,856.10	9.56
W 360 x 410 x 216	216.3	375.0	394	17.3	27.7	15	275.50	71,139	3,794.08	4,262.36	16.07	28,253.64	1,434.19	2,176.25	10.13
W 360 x 410 x 237	236.2	380.0	395	18.9	30.2	15	300.92	78,778	4,146.21	4,685.62	16.18	31,041.67	1,571.73	2,386.99	10.16
W 360 x 410 x 262	262.7	387.0	398	21.1	33.3	15	334.60	89,406	4,620.47	5,259.54	16.35	35,018.83	1,759.74	2,675.78	10.23
W 360 x 410 x 287	287.5	393.0	399	22.6	36.6	15	366.28	99,706	5,074.10	5,812.73	16.50	38,782.99	1,944.01	2,957.05	10.29
W 360 x 410 x 314	313.3	399.0	401	24.9	39.6	15	399.15	110,232	5,525.41	6,374.02	16.62	42,603.71	2,124.87	3,236.48	10.33
W 360 x 410 x 347	346.9	407.0	404	27.2	43.7	15	441.96	124,945	6,139.80	7,138.80	16.81	48,085.06	2,380.45	3,628.66	10.43
W 360 x 410 x 382	382.3	416.0	406	29.8	48.0	15	487.05	141,317	6,794.09	7,964.73	17.03	53,615.89	2,641.18	4,030.64	10.49
W 360 x 410 x 421	421.6	425.0	409	32.8	52.6	15	537.09	159,581	7,509.69	8,880.47	17.24	60,081.45	2,937.97	4,489.32	10.58
W 360 x 410 x 463	462.8	435.0	412	35.8	57.4	15	589.54	180,162	8,283.31	9,877.70	17.48	67,035.34	3,254.14	4,978.36	10.66
W 360 x 410 x 509	509.4	446.0	416	39.1	62.7	15	648.95	204,528	9,171.66	11,032.73	17.75	75,400.89	3,625.04	5,552.27	10.78
W 360 x 410 x 551	550.6	455.0	418	42.0	67.6	15	701.38	226,110	9,938.90	12,050.79	17.95	82,494.74	3,947.12	6,051.41	10.85
W 360 x 410 x 592	592.6	465.0	421	45.0	72.3	15	754.88	250,161	10,759.61	13,138.31	18.20	90,171.61	4,283.69	6,574.46	10.93
W 360 x 410 x 634	634.3	474.0	424	47.6	77.1	15	807.97	274,171	11,568.40	14,222.10	18.42	98,250.97	4,634.48	7,116.76	11.03
W 360 x 410 x 677	677.8	483.0	428	51.2	81.5	15	863.41	299,470	12,400.41	15,346.11	18.62	106,871.33	4,993.99	7,680.06	11.13
W 360 x 410 x 744	744.2	498.0	432	55.6	88.9	15	948.06	342,121	13,739.80	17,166.83	19.00	119,931.82	5,552.40	8,548.92	11.25
W 360 x 410 x 818	819.0	514.0	437	60.5	97.0	15	1,043.31	392,191	15,260.35	19,255.28	19.39	135,528.90	6,202.70	9,561.31	11.40
W 360 x 410 x 900	902.1	531.0	442	65.9	106.0	15	1,149.19	450,204	16,956.84	21,618.78	19.79	153,339.64	6,938.45	10,707.65	11.55
W 360 x 410 x 990	991.0	550.0	448	71.9	115.0	15	1,262.41	518,907	18,869.35	24,282.10	20.27	173,359.01	7,739.24	11,961.64	11.72
W 360 x 410 x 1086	1,087.8	569.0	454	78.0	125.0	15	1,385.75	595,723	20,939.30	27,211.51	20.73	196,247.70	8,645.27	13,375.63	11.90
W 410 x 140 x 38.8	39.2	399.0	140	6.4	8.8	10	49.91	12,645	633.83	729.65	15.92	403.57	57.65	90.61	2.84
W 410 x 140 x 46.1	46.2	403.0	140	7.0	11.2	10	58.86	15,558	772.11	883.99	16.26	513.61	73.37	114.92	2.95
W 410 x 180 x 53	53.4	403.0	177	7.5	10.9	10	68.03	18,601	923.13	1,045.11	16.54	1,009.06	114.02	176.62	3.85

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W 410 x 180 x 60	59.5	407.0	178	7.7	12.8	10	75.79	21,574	1,060.15	1,194.35	16.87	1,204.95	135.39	208.95	3.99
W 410 x 180 x 67	67.5	410.0	179	8.8	14.4	10	85.96	24,545	1,197.32	1,355.56	16.90	1,379.06	154.08	238.65	4.01
W 410 x 180 x 75	74.9	413.0	180	9.7	16.0	10	95.42	27,483	1,330.90	1,511.54	16.97	1,558.56	173.17	268.77	4.04
W 410 x 180 x 85	85.0	417.0	181	10.9	18.2	10	108.23	31,525	1,511.99	1,724.61	17.07	1,803.33	199.26	310.09	4.08
W 460 x 150 x 52	52.0	450.0	152	7.6	10.8	10	66.25	21,201	942.27	1,087.89	17.89	634.04	83.43	131.47	3.09
W 460 x 150 x 60	59.5	455.0	153	8.0	13.3	10	75.83	25,484	1,120.18	1,284.07	18.33	796.11	104.07	163.06	3.24
W 460 x 150 x 68	68.5	459.0	154	9.1	15.4	10	87.26	29,683	1,293.38	1,487.37	18.44	940.53	122.15	192.06	3.28
W 460 x 190 x 61	60.0	450.0	189	8.1	10.8	10	76.38	25,384	1,128.18	1,286.34	18.23	1,217.50	128.84	200.46	3.99
W 460 x 190 x 67	67.2	454.0	190	8.5	12.7	10	85.55	29,466	1,298.06	1,473.42	18.56	1,454.41	153.10	237.53	4.12
W 460 x 190 x 74	74.2	457.0	190	9.0	14.5	10	94.48	33,247	1,455.01	1,649.43	18.76	1,660.61	174.80	270.97	4.19
W 460 x 190 x 82	81.9	460.0	191	9.9	16.0	10	104.35	36,989	1,608.22	1,828.43	18.83	1,862.03	194.98	302.95	4.22
W 460 x 190 x 89	89.3	463.0	192	10.5	17.7	10	113.72	40,937	1,768.34	2,011.43	18.97	2,092.61	217.98	338.68	4.29
W 460 x 190 x 97	96.5	466.0	193	11.4	19.0	10	122.99	44,490	1,909.44	2,179.41	19.02	2,282.39	236.52	368.45	4.31
W 460 x 190 x 106	105.7	469.0	194	12.6	20.6	10	134.69	48,810	2,081.45	2,386.65	19.04	2,514.60	259.24	405.36	4.32
W 460 x 280 x 113	113.0	463.0	280	10.8	17.3	10	144.01	55,599	2,401.68	2,672.69	19.65	6,334.52	452.47	691.31	6.63
W 460 x 280 x 128	128.4	467.0	282	12.2	19.6	10	163.59	63,698	2,727.97	3,049.23	19.73	7,332.85	520.06	795.97	6.70
W 460 x 280 x 144	144.5	472.0	283	13.6	22.1	10	184.13	72,605	3,076.48	3,454.23	19.86	8,358.04	590.67	905.54	6.74
W 460 x 280 x 158	157.7	476.0	284	15.0	23.9	10	200.84	79,631	3,345.84	3,774.45	19.91	9,137.23	643.47	988.76	6.74
W 460 x 280 x 177	177.3	482.0	286	16.6	26.9	10	225.81	91,010	3,776.35	4,280.38	20.08	10,505.46	734.65	1,130.56	6.82
W 460 x 280 x 193	193.3	489.0	283	17.0	30.5	10	246.25	102,353	4,186.22	4,754.26	20.39	11,540.01	815.55	1,253.20	6.85
W 460 x 280 x 213	212.7	495.0	285	18.5	33.5	10	270.99	114,323	4,619.11	5,271.58	20.54	12,948.68	908.68	1,398.13	6.91
W 530 x 210 x 82	82.3	528.0	209	9.6	13.2	13	104.78	47,553	1,801.25	2,060.05	21.30	2,013.10	192.64	300.97	4.38
W 530 x 210 x 92	92.5	533.0	209	10.2	15.6	13	117.84	55,287	2,074.56	2,365.02	21.66	2,379.08	227.66	354.93	4.49

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Technical data of sections W

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Designation	G kg/m	Dimensions						Section properties							
		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis				Weak axis			
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm
W 530 x 210 x 101	101.5	537.0	210	10.9	17.4	13	129.27	61,743	2,299.55	2,621.90	21.85	2,692.21	256.40	399.80	4.56
W 530 x 210 x 109	109.1	539.0	211	11.6	18.8	13	138.95	66,772	2,477.63	2,828.56	21.92	2,951.14	279.73	436.63	4.61
W 530 x 210 x 123	123.3	544.0	212	13.1	21.2	13	157.05	76,123	2,798.64	3,209.65	22.02	3,377.39	318.62	499.30	4.64
W 530 x 210 x 138	138.3	549.0	214	14.7	23.6	13	176.22	86,125	3,137.52	3,614.85	22.11	3,869.70	361.65	568.99	4.69
W 610 x 180 x 92	92.3	603.0	179	10.9	15.0	13	117.61	64,682	2,145.34	2,514.63	23.45	1,441.12	161.02	258.54	3.50
W 610 x 230 x 101	101.7	603.0	228	10.5	14.9	13	129.58	76,407	2,534.23	2,901.53	24.28	2,949.92	258.76	404.26	4.77
W 610 x 230 x 113	113.5	608.0	228	11.2	17.3	13	144.56	87,599	2,881.55	3,291.75	24.62	3,425.28	300.46	468.88	4.87
W 610 x 230 x 125	125.1	612.0	229	11.9	19.6	13	159.38	98,589	3,221.86	3,676.17	24.87	3,932.20	343.42	535.49	4.97
W 610 x 230 x 140	140.2	617.0	230	13.1	22.2	13	178.58	112,024	3,631.25	4,151.95	25.05	4,513.90	392.51	613.13	5.03
W 610 x 230 x 153	153.7	623.0	229	14.0	24.9	13	195.74	125,187	4,018.84	4,601.55	25.29	4,998.35	436.54	682.42	5.05
W 610 x 325 x 155	154.9	611.0	324	12.7	19.0	13	197.34	128,987	4,222.16	4,727.95	25.57	10,781.65	665.53	1,021.72	7.39
W 610 x 325 x 174	174.3	616.0	325	14.0	21.6	13	222.04	147,159	4,777.89	5,362.18	25.74	12,372.73	761.40	1,170.26	7.46
W 610 x 325 x 195	195.7	622.0	327	15.4	24.4	13	249.30	167,888	5,398.33	6,074.25	25.95	14,238.58	870.86	1,340.06	7.56
W 610 x 325 x 217	217.9	628.0	328	16.5	27.7	13	277.64	190,800	6,076.43	6,847.68	26.21	16,314.41	994.78	1,530.63	7.67
W 610 x 325 x 241	238.2	635.0	329	17.1	31.0	13	303.41	214,177	6,745.73	7,604.96	26.57	18,425.03	1,120.06	1,721.29	7.79
W 610 x 325 x 262	261.2	641.0	327	19.0	34.0	13	332.68	235,990	7,363.18	8,349.35	26.63	19,849.02	1,214.01	1,871.31	7.72
W 610 x 325 x 285	285.4	647.0	329	20.6	37.1	13	363.57	260,725	8,059.51	9,175.23	26.78	22,063.99	1,341.28	2,070.56	7.79
W 610 x 325 x 341	340.4	661.0	333	24.4	43.9	13	433.69	318,280	9,630.26	11,066.58	27.09	27,090.34	1,627.05	2,521.52	7.90
W 610 x 325 x 415	415.6	679.0	338	29.5	53.1	13	529.38	399,764	11,775.08	13,694.41	27.48	34,300.96	2,029.64	3,160.36	8.05
W 610 x 325 x 455	454.2	689.0	340	32.0	57.9	13	578.60	444,523	12,903.43	15,093.47	27.72	38,090.16	2,240.60	3,496.10	8.11
W 610 x 325 x 498	498.3	699.0	343	35.1	63.0	13	634.75	494,663	14,153.45	16,665.57	27.92	42,583.93	2,483.03	3,885.40	8.19
W 610 x 325 x 551	551.2	711.0	347	38.6	69.1	13	702.11	557,510	15,682.42	18,598.59	28.18	48,400.62	2,789.66	4,376.72	8.30
W 690 x 250 x 125	125.5	678.0	253	11.7	16.3	15	159.92	118,481	3,495.01	4,008.87	27.22	4,409.85	348.60	545.54	5.25

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Technical data of sections W

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Designation	G kg/m	Dimensions						Section properties								
		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis				Weak axis				
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 690 x 250 x 140	139.8	684.0	254	12.4	18.9	15	178.07	136,066	3,978.54	4,549.14	27.64	5,174.11	407.41	636.36	5.39	
W 690 x 250 x 152	152.1	688.0	254	13.1	21.1	15	193.72	150,596	4,377.79	5,001.79	27.88	5,776.93	454.88	710.26	5.46	
W 690 x 250 x 170	169.9	693.0	256	14.5	23.6	15	216.41	169,934	4,904.30	5,617.82	28.02	6,617.77	517.01	809.32	5.53	
W 690 x 250 x 192	191.4	702.0	254	15.5	27.9	15	243.83	197,932	5,639.09	6,456.96	28.49	7,642.57	601.78	940.96	5.60	
W 690 x 360 x 500	500.5	762.0	369	32.0	57.9	20	637.52	606,231	15,911.57	18,493.22	30.84	48,676.21	2,638.28	4,114.32	8.74	
W 760 x 265 x 147	147.2	753.0	265	13.2	17.0	17	187.49	166,064	4,410.73	5,109.93	29.76	5,289.44	399.20	630.81	5.31	
W 760 x 265 x 161	160.5	758.0	266	13.8	19.3	17	204.44	186,061	4,909.26	5,666.17	30.17	6,072.97	456.61	719.70	5.45	
W 760 x 265 x 173	173.7	762.0	267	14.4	21.6	17	221.33	205,825	5,402.23	6,218.31	30.50	6,873.44	514.86	809.91	5.57	
W 760 x 265 x 185	185.0	766.0	267	14.9	23.6	17	235.61	222,957	5,821.33	6,690.88	30.76	7,509.98	562.55	883.90	5.65	
W 760 x 265 x 196	196.9	770.0	268	15.6	25.4	17	250.82	240,280	6,241.04	7,174.22	30.95	8,175.02	610.08	958.80	5.71	
W 760 x 265 x 220	220.4	779.0	266	16.5	30.0	17	280.72	278,206	7,142.64	8,197.76	31.48	9,441.32	709.87	1,113.27	5.80	
W 760 x 385 x 388	388.4	803.0	385	23.6	41.9	17	494.84	544,001	13,549.22	15,417.76	33.16	39,936.59	2,074.63	3,209.33	8.98	
W 760 x 385 x 532	536.5	833.0	393	32.5	56.9	17	683.46	778,556	18,692.82	21,645.87	33.75	57,778.34	2,940.37	4,588.97	9.19	
W 840 x 295 x 176	176.0	835.0	292	14.0	18.8	18	224.21	246,372	5,901.13	6,815.89	33.15	7,823.02	535.82	843.62	5.91	
W 840 x 295 x 193	193.6	840.0	292	14.7	21.7	18	246.61	278,445	6,629.64	7,626.83	33.60	9,029.45	618.46	971.31	6.05	
W 840 x 295 x 210	210.8	846.0	293	15.4	24.4	18	268.54	310,716	7,345.53	8,430.36	34.02	10,257.60	700.18	1,097.89	6.18	
W 840 x 295 x 226	226.7	851.0	294	16.1	26.8	18	288.75	340,072	7,992.29	9,163.14	34.32	11,382.88	774.35	1,213.28	6.28	
W 840 x 295 x 251	250.7	859.0	292	17.0	31.0	18	319.31	386,489	8,998.58	10,304.46	34.79	12,900.80	883.62	1,382.66	6.36	
W 920 x 310 x 201	201.3	903.0	304	15.2	20.1	19	256.45	325,209	7,202.86	8,356.11	35.61	9,441.64	621.16	982.29	6.07	
W 920 x 310 x 223	224.2	911.0	304	15.9	23.9	19	285.66	376,833	8,272.95	9,539.63	36.32	11,224.88	738.48	1,162.71	6.27	
W 920 x 310 x 238	238.3	915.0	305	16.5	25.9	19	303.52	406,413	8,883.34	10,229.53	36.59	12,285.06	805.58	1,267.30	6.36	
W 920 x 310 x 253	253.7	919.0	306	17.3	27.9	19	323.18	437,456	9,520.26	10,962.79	36.79	13,366.26	873.61	1,374.81	6.43	

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Technical data of sections W

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Designation	G kg/m	Dimensions						Section properties								
		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis			Weak axis					
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 920 x 310 x 271	271.7	923.0	307	18.4	30.0	19	346.09	471,573	10,218.27	11,782.93	36.91	14,518.02	945.80	1,490.95	6.48	
W 920 x 310 x 289	288.6	927.0	308	19.4	32.0	19	367.64	504,480	10,884.14	12,565.71	37.04	15,641.92	1,015.71	1,603.35	6.52	
W 920 x 310 x 313	312.7	932.0	309	21.1	34.5	19	398.40	548,238	11,764.76	13,628.91	37.10	17,039.32	1,102.87	1,747.69	6.54	
W 920 x 420 x 342	342.4	912.0	418	19.3	32.0	24	436.13	624,890	13,703.73	15,447.64	37.85	39,014.75	1,866.73	2,881.98	9.46	
W 920 x 420 x 365	364.6	916.0	419	20.3	34.3	24	464.40	670,499	14,639.72	16,522.76	38.00	42,123.80	2,010.68	3,105.85	9.52	
W 920 x 420 x 387	387.0	921.0	420	21.3	36.6	24	492.97	718,339	15,599.11	17,629.46	38.17	45,275.63	2,155.98	3,332.20	9.58	
W 920 x 420 x 417	418.1	928.0	422	22.5	39.9	24	532.55	787,553	16,973.13	19,207.66	38.46	50,070.87	2,373.03	3,668.35	9.70	
W 920 x 420 x 446	447.1	933.0	423	24.0	42.7	24	569.61	846,826	18,152.75	20,598.23	38.56	53,977.44	2,552.12	3,950.78	9.73	
W 920 x 420 x 488	487.7	942.0	422	25.9	47.0	24	621.26	935,388	19,859.62	22,614.72	38.80	59,008.99	2,796.63	4,336.25	9.75	
W 920 x 420 x 534	533.9	950.0	425	28.4	51.1	24	680.07	1,031,235	21,710.21	24,832.13	38.94	65,560.48	3,085.20	4,795.60	9.82	
W 920 x 420 x 585	585.0	960.0	427	31.0	55.9	24	745.27	1,143,091	23,814.40	27,363.06	39.16	72,767.52	3,408.31	5,310.20	9.88	
W 920 x 420 x 653	653.1	972.0	431	34.5	62.0	24	831.95	1,292,120	26,586.83	30,726.38	39.41	83,048.22	3,853.75	6,022.11	9.99	
W 920 x 420 x 784	783.2	996.0	437	40.9	73.9	24	997.75	1,592,539	31,978.69	37,342.02	39.95	103,304.38	4,727.89	7,423.80	10.18	
W 920 x 420 x 967	966.3	1,028.0	446	50.0	89.9	24	1,230.95	2,032,596	39,544.67	46,813.67	40.64	133,857.06	6,002.56	9,486.42	10.43	
W 920 x 420 x 1188	1,188.7	1,066.0	457	60.5	109.0	24	1,514.25	2,607,031	48,912.40	58,754.58	41.49	175,018.51	7,659.45	12,175.86	10.75	
W 1000 x 300 x 222	222.0	970.0	300	16.0	21.1	30	282.78	407,667	8,405.51	9,803.17	37.97	9,545.80	636.39	1,020.25	5.81	
W 1000 x 300 x 249	248.7	980.0	300	16.5	26.0	30	316.85	481,079	9,817.94	11,347.04	38.97	11,754.44	783.63	1,244.73	6.09	
W 1000 x 300 x 272	272.3	990.0	300	16.5	31.0	30	346.85	553,846	11,188.81	12,824.54	39.96	14,004.44	933.63	1,469.73	6.35	
W 1000 x 300 x 314	314.3	1,000.0	300	19.1	35.9	30	400.42	644,211	12,884.22	14,850.82	40.11	16,231.74	1,082.12	1,712.72	6.37	
W 1000 x 300 x 350	349.4	1,008.0	302	21.1	40.0	30	445.14	722,965	14,344.54	16,589.64	40.30	18,460.48	1,222.55	1,940.71	6.44	
W 1000 x 300 x 393	392.7	1,016.0	303	24.4	43.9	30	500.24	807,688	15,899.37	18,539.60	40.18	20,496.00	1,352.87	2,167.98	6.40	
W 1000 x 300 x 415	415.0	1,020.0	304	26.0	46.0	30	528.69	853,121	16,727.86	19,571.57	40.17	21,707.43	1,428.12	2,297.64	6.41	
W 1000 x 300 x 438	437.4	1,026.0	305	27.0	49.0	30	557.19	909,843	17,735.73	20,767.71	40.41	23,357.16	1,531.62	2,463.86	6.47	
W 1000 x 300 x 494	493.9	1,036.0	309	31.0	54.0	30	629.13	1,027,959	19,844.77	23,413.29	40.42	26,824.17	1,736.19	2,818.11	6.53	

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Technical data of sections W

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Designation	G kg/m	Dimensions						Section properties								
		H mm	B mm	Tw mm	Tf mm	R mm	I cm ²	Strong axis				Weak axis				
								Iy cm ⁴	Wely cm ³	Wply cm ³	Iy cm	Iz cm ⁴	Welz cm ³	Wplz cm ³	Iz cm	
W 1000 x 300 x 584	583.8	1,056.0	314	36.0	64.0	30	743.73	1,246,071	23,599.83	28,039.35	40.93	33,433.47	2,129.52	3,474.85	6.70	
W 1000 x 400 x 296	296.4	982.0	400	16.5	27.1	30	377.62	620,314	12,633.69	14,255.35	40.53	28,961.10	1,448.06	2,242.71	8.76	
W 1000 x 400 x 321	320.9	990.0	400	16.5	31.0	30	408.85	696,446	14,069.62	15,797.44	41.27	33,121.11	1,656.06	2,554.73	9.00	
W 1000 x 400 x 371	371.2	1,000.0	400	19.0	36.1	30	472.81	813,732	16,274.64	18,360.96	41.49	38,582.41	1,929.12	2,984.27	9.03	
W 1000 x 400 x 412	412.2	1,008.0	402	21.1	40.0	30	525.14	910,477	18,065.02	20,461.64	41.64	43,407.95	2,159.60	3,348.71	9.09	
W 1000 x 400 x 443	442.5	1,012.0	402	23.6	41.9	30	563.66	966,512	19,101.03	21,776.88	41.41	45,497.64	2,263.56	3,529.16	8.98	
W 1000 x 400 x 483	482.9	1,020.0	404	25.4	46.0	30	615.12	1,067,483	20,931.04	23,922.79	41.66	50,711.68	2,510.48	3,918.65	9.08	
W 1000 x 400 x 539	539.4	1,030.0	407	28.4	51.1	30	687.18	1,202,538	23,350.25	26,824.02	41.83	57,631.93	2,832.04	4,435.58	9.16	
W 1000 x 400 x 591	590.9	1,040.0	409	31.0	55.9	30	752.73	1,331,036	25,596.85	29,530.17	42.05	64,013.65	3,130.25	4,915.67	9.22	
W 1000 x 400 x 642	641.9	1,048.0	412	34.0	60.0	30	817.65	1,450,590	27,683.02	32,096.88	42.12	70,284.31	3,411.86	5,378.84	9.27	
W 1000 x 400 x 748	748.5	1,068.0	417	39.0	70.0	30	953.45	1,731,943	32,433.39	37,881.62	42.62	85,111.21	4,082.07	6,459.25	9.45	
W 1000 x 400 x 825	824.6	1,082.0	421	42.5	77.0	30	1,050.47	1,939,503	35,850.33	42,082.62	42.97	96,416.81	4,580.37	7,264.44	9.58	
W 1000 x 400 x 883	883.4	1,092.0	424	45.5	82.0	30	1,125.33	2,096,418	38,395.93	45,265.11	43.16	104,972.10	4,951.51	7,873.89	9.66	
W 1100 x 400 x 343	342.6	1,090.0	400	18.0	31.0	20	436.48	867,388	15,915.38	18,062.16	44.58	33,123.34	1,656.17	2,567.90	8.71	
W 1100 x 400 x 390	390.2	1,100.0	400	20.0	36.0	20	497.04	1,005,397	18,279.95	20,780.56	44.98	38,476.20	1,923.81	2,987.77	8.80	
W 1100 x 400 x 433	432.7	1,108.0	402	22.0	40.0	20	551.20	1,125,574	20,317.22	23,160.79	45.19	43,409.79	2,159.69	3,361.78	8.87	
W 1100 x 400 x 499	498.6	1,118.0	405	26.0	45.0	20	635.22	1,294,060	23,149.55	26,599.56	45.14	49,984.12	2,468.35	3,870.30	8.87	
W 1000 x 400 x 554	554.1	1,032.0	408	29.5	52.0	30	705.81	1,232,372	23,883.18	27,496.37	41.79	59,098.19	2,896.97	4,546.55	9.15	

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