

STEEL BEAMS ASTM A36

Steel Wide Flange Beams

NOMINAL	LBS/LF	DEPTH	FLANGE	FLANGE	WEB	Kg/m	ANCHO	BRIDA	GROSOR	GROSOR
W 4 x 13 #	4.16 "	4.160 "	0.375 "	0.280 "	W 4 x 19.3 Kg/m	105.7 mm	105.7 mm	9.5 mm	7.1 mm	
W 5 x 16 #	5.00 "	5.000 "	0.360 "	0.240 "	W 5 x 23.8 Kg/m	127.0 mm	127.0 mm	9.1 mm	6.1 mm	
W 5 x 19 #	5.15 "	5.150 "	0.430 "	0.270 "	W 5 x 28.3 Kg/m	130.8 mm	130.8 mm	10.9 mm	6.9 mm	
M 6 x 4.4 #	6.00 "	1.844 "	0.171 "	0.114 "	M 6 x 6.5 Kg/m	152.4 mm	46.8 mm	4.3 mm	2.9 mm	
W 6 x 9 #	5.90 "	3.940 "	0.215 "	0.170 "	W 6 x 13.4 Kg/m	149.9 mm	100.1 mm	5.5 mm	4.3 mm	
W 6 x 12 #	6.00 "	4.000 "	0.279 "	0.230 "	W 6 x 17.9 Kg/m	152.4 mm	101.6 mm	7.1 mm	5.8 mm	
W 6 x 16 #	6.25 "	4.030 "	0.404 "	0.260 "	W 6 x 23.8 Kg/m	158.8 mm	102.4 mm	10.3 mm	6.6 mm	
W 6 x 15 #	5.99 "	5.990 "	0.260 "	0.230 "	W 6 x 22.3 Kg/m	152.1 mm	152.1 mm	6.6 mm	5.8 mm	
W 6 x 20 #	6.20 "	6.018 "	0.367 "	0.258 "	W 6 x 29.8 Kg/m	157.5 mm	152.9 mm	9.3 mm	6.6 mm	
W 6 x 25 #	6.37 "	6.080 "	0.456 "	0.320 "	W 6 x 37.2 Kg/m	161.8 mm	154.4 mm	11.6 mm	8.1 mm	
M 8 x 6.5 #	8.00 "	2.281 "	0.189 "	0.135 "	M 8 x 9.7 Kg/m	203.2 mm	57.9 mm	4.8 mm	3.4 mm	
W 8 x 10 #	7.90 "	3.940 "	0.204 "	0.170 "	W 8 x 14.9 Kg/m	200.7 mm	100.1 mm	5.2 mm	4.3 mm	
W 8 x 13 #	8.00 "	4.000 "	0.254 "	0.230 "	W 8 x 19.3 Kg/m	203.2 mm	101.6 mm	6.5 mm	5.8 mm	
W 8 x 15 #	8.12 "	4.015 "	0.314 "	0.245 "	W 8 x 22.3 Kg/m	206.2 mm	102.0 mm	8.0 mm	6.2 mm	
W 8 x 18 #	8.14 "	5.250 "	0.330 "	0.230 "	W 8 x 26.8 Kg/m	206.8 mm	133.4 mm	8.4 mm	5.8 mm	
W 8 x 21 #	8.28 "	5.270 "	0.400 "	0.250 "	W 8 x 31.2 Kg/m	210.3 mm	133.9 mm	10.2 mm	6.4 mm	
W 8 x 24 #	7.93 "	6.500 "	0.398 "	0.245 "	W 8 x 35.7 Kg/m	201.4 mm	165.1 mm	10.1 mm	6.2 mm	
W 8 x 28 #	8.06 "	6.540 "	0.463 "	0.285 "	W 8 x 41.7 Kg/m	204.7 mm	166.1 mm	11.8 mm	7.2 mm	
W 8 x 31 #	8.00 "	8.000 "	0.433 "	0.288 "	W 8 x 46.1 Kg/m	203.2 mm	203.2 mm	11.0 mm	7.3 mm	
W 8 x 35 #	8.12 "	8.027 "	0.493 "	0.315 "	W 8 x 52.1 Kg/m	206.2 mm	203.9 mm	12.5 mm	8.0 mm	
H 8 x 40 #	8.00 "	8.083 "	0.521 "	0.458 "	H 8 x 59.5 Kg/m	203.2 mm	205.3 mm	13.2 mm	11.6 mm	
W 8 x 40 #	8.25 "	8.077 "	0.558 "	0.365 "	W 8 x 59.5 Kg/m	209.6 mm	205.2 mm	14.2 mm	9.3 mm	
W 8 x 48 #	8.50 "	8.117 "	0.683 "	0.405 "	W 8 x 71.4 Kg/m	215.9 mm	206.2 mm	17.3 mm	10.3 mm	
W 8 x 58 #	8.75 "	8.222 "	0.808 "	0.510 "	W 8 x 86.3 Kg/m	222.3 mm	208.8 mm	20.5 mm	13.0 mm	
W 8 x 67 #	9.00 "	8.287 "	0.993 "	0.575 "	W 8 x 99.7 Kg/m	228.6 mm	210.5 mm	25.2 mm	14.6 mm	
M 10 x 9 #	10.00 "	2.690 "	0.206 "	0.157 "	M 10 x 13.4 Kg/m	254.0 mm	68.3 mm	5.2 mm	4.0 mm	
W 10 x 12 #	9.87 "	3.960 "	0.210 "	0.190 "	W 10 x 17.9 Kg/m	250.7 mm	100.6 mm	5.3 mm	4.8 mm	
W 10 x 15 #	10.00 "	4.000 "	0.269 "	0.230 "	W 10 x 22.3 Kg/m	254.0 mm	101.6 mm	6.8 mm	5.8 mm	
W 10 x 17 #	10.12 "	4.010 "	0.329 "	0.240 "	W 10 x 25.3 Kg/m	257.0 mm	101.9 mm	8.4 mm	6.1 mm	
W 10 x 19 #	10.25 "	4.020 "	0.394 "	0.250 "	W 10 x 28.3 Kg/m	260.4 mm	102.1 mm	10.0 mm	6.4 mm	
W 10 x 22 #	10.17 "	5.750 "	0.360 "	0.240 "	W 10 x 32.7 Kg/m	258.3 mm	146.1 mm	9.1 mm	6.1 mm	
W 10 x 26 #	10.33 "	5.750 "	0.360 "	0.240 "	W 10 x 38.7 Kg/m	262.4 mm	146.1 mm	9.1 mm	6.1 mm	
W 10 x 30 #	10.47 "	5.810 "	0.510 "	0.300 "	W 10 x 44.6 Kg/m	265.9 mm	147.6 mm	13.0 mm	7.6 mm	
W 10 x 33 #	9.75 "	7.964 "	0.433 "	0.292 "	W 10 x 49.1 Kg/m	247.7 mm	202.3 mm	11.0 mm	7.4 mm	
W 10 x 39 #	9.94 "	7.990 "	0.528 "	0.318 "	W 10 x 58.0 Kg/m	252.5 mm	202.9 mm	13.4 mm	8.1 mm	
W 10 x 45 #	10.12 "	8.022 "	0.618 "	0.350 "	W 10 x 67.0 Kg/m	257.0 mm	203.8 mm	15.7 mm	8.9 mm	
W 10 x 49 #	10.00 "	10.000 "	0.558 "	0.340 "	W 10 x 72.9 Kg/m	254.0 mm	254.0 mm	14.2 mm	8.6 mm	
W 10 x 54 #	10.12 "	10.028 "	0.618 "	0.368 "	W 10 x 80.4 Kg/m	257.0 mm	254.7 mm	15.7 mm	9.3 mm	
W 10 x 60 #	10.25 "	10.075 "	0.683 "	0.415 "	W 10 x 89.3 Kg/m	260.4 mm	255.9 mm	17.3 mm	10.5 mm	
W 10 x 68 #	10.40 "	10.130 "	0.770 "	0.470 "	W 10 x 101.2 Kg/m	264.2 mm	257.3 mm	19.6 mm	11.9 mm	
W 10 x 77 #	10.62 "	10.195 "	0.868 "	0.535 "	W 10 x 114.6 Kg/m	269.7 mm	259.0 mm	22.0 mm	13.6 mm	
W 10 x 88 #	10.84 "	10.265 "	0.990 "	0.605 "	W 10 x 130.9 Kg/m	275.3 mm	260.7 mm	25.1 mm	15.4 mm	
W 10 x 100 #	11.12 "	10.345 "	1.118 "	0.685 "	W 10 x 148.8 Kg/m	282.4 mm	262.8 mm	28.4 mm	17.4 mm	
W 10 x 112 #	11.38 "	10.415 "	1.248 "	0.755 "	W 10 x 166.7 Kg/m	289.1 mm	264.5 mm	31.7 mm	19.2 mm	
M 12 x 11.8 #	12.00 "	3.065 "	0.225 "	0.177 "	M 12 x 17.6 Kg/m	304.8 mm	77.9 mm	5.7 mm	4.5 mm	
W 12 x 14 #	11.91 "	3.970 "	0.224 "	0.200 "	W 12 x 20.8 Kg/m	302.5 mm	100.8 mm	5.7 mm	5.1 mm	
W 12 x 16 #	11.99 "	3.990 "	0.265 "	0.220 "	W 12 x 23.8 Kg/m	304.5 mm	101.3 mm	6.7 mm	5.6 mm	
W 12 x 19 #	12.16 "	4.010 "	0.349 "	0.240 "	W 12 x 28.3 Kg/m	308.9 mm	101.9 mm	8.9 mm	6.1 mm	
W 12 x 22 #	12.31 "	4.030 "	0.424 "	0.260 "	W 12 x 32.7 Kg/m	312.7 mm	102.4 mm	10.8 mm	6.6 mm	
W 12 x 26 #	12.22 "	6.490 "	0.380 "	0.230 "	W 12 x 38.7 Kg/m	310.4 mm	164.8 mm	9.7 mm	5.8 mm	
W 12 x 30 #	12.34 "	6.520 "	0.440 "	0.260 "	W 12 x 44.6 Kg/m	313.4 mm	165.6 mm	11.2 mm	6.6 mm	
W 12 x 35 #	12.50 "	6.560 "	0.520 "	0.300 "	W 12 x 52.1 Kg/m	317.5 mm	166.6 mm	13.2 mm	7.6 mm	
W 12 x 40 #	11.94 "	8.000 "	0.516 "	0.294 "	W 12 x 59.5 Kg/m	303.3 mm	203.2 mm	13.1 mm	7.5 mm	
W 12 x 45 #	12.06 "	8.042 "	0.576 "	0.336 "	W 12 x 67.0 Kg/m	306.3 mm	204.3 mm	14.6 mm	8.5 mm	
W 12 x 50 #	12.19 "	8.077 "	0.640 "	0.371 "	W 12 x 74.4 Kg/m	309.6 mm	205.2 mm	16.3 mm	9.4 mm	
W 12 x 53 #	12.06 "	10.000 "	0.576 "	0.345 "	W 12 x 78.9 Kg/m	306.3 mm	254.0 mm	14.6 mm	8.8 mm	
W 12 x 58 #	12.19 "	10.014 "	0.641 "	0.359 "	W 12 x 86.3 Kg/m	309.6 mm	254.4 mm	16.3 mm	9.1 mm	
W 12 x 65 #	12.12 "	12.000 "	0.606 "	0.390 "	W 12 x 96.7 Kg/m	307.8 mm	304.8 mm	15.4 mm	9.9 mm	
W 12 x 72 #	12.25 "	12.040 "	0.671 "	0.430 "	W 12 x 107.1 Kg/m	311.2 mm	305.8 mm	17.0 mm	10.9 mm	
W 12 x 79 #	12.38 "	12.080 "	0.736 "	0.470 "	W 12 x 117.6 Kg/m	314.5 mm	306.8 mm	18.7 mm	11.9 mm	
W 12 x 87 #	12.53 "	12.125 "	0.810 "	0.515 "	W 12 x 129.5 Kg/m	318.3 mm	308.0 mm	20.6 mm	13.1 mm	
W 12 x 96 #	12.71 "	12.160 "	0.900 "	0.550 "	W 12 x 142.8 Kg/m	322.8 mm	308.9 mm	22.9 mm	14.0 mm	
W 12 x 106 #	12.88 "	12.230 "	0.986 "	0.620 "	W 12 x 157.7 Kg/m	327.2 mm	310.6 mm	25.0 mm	15.7 mm	
W 12 x 120 #	13.12 "	12.320 "	1.106 "	0.710 "	W 12 x 178.6 Kg/m	333.2 mm	312.9 mm	28.1 mm	18.0 mm	
W 12 x 136 #	13.41 "	12.400 "	1.250 "	0.790 "	W 12 x 202.4 Kg/m	340.6 mm	315.0 mm	31.8 mm	20.1 mm	
W 12 x 152 #	13.71 "	12.480 "	1.400 "	0.870 "	W 12 x 226.2 Kg/m	348.2 mm	317.0 mm	35.6 mm	22.1 mm	
W 12 x 170 #	14.03 "	12.570 "	1.560 "	0.960 "	W 12 x 253.0 Kg/m	356.4 mm	319.3 mm	39.6 mm	24.4 mm	
W 12 x 190 #	14.38 "	12.670 "	1.736 "	1.060 "	W 12 x 282.7 Kg/m	365.3 mm	321.8 mm	44.1 mm	26.9 mm	

W 10 x 30 #	10.47 "	5.810 "	0.510 "	0.300 "	W 10 x 44.6 Kg/m	265.9 mm	147.6 mm	13.0 mm	7.6 mm
W 10 x 33 #	9.75 "	7.964 "	0.433 "	0.292 "	W 10 x 49.1 Kg/m	247.7 mm	202.3 mm	11.0 mm	7.4 mm
W 10 x 39 #	9.94 "	7.990 "	0.528 "	0.318 "	W 10 x 58.0 Kg/m	252.5 mm	202.9 mm	13.4 mm	8.1 mm
W 10 x 45 #	10.12 "	8.022 "	0.618 "	0.350 "	W 10 x 67.0 Kg/m	257.0 mm	203.8 mm	15.7 mm	8.9 mm
W 12 x 210 #	14.71 "	12.790 "	1.900 "	1.180 "	W 12 x 312.5 Kg/m	373.6 mm	324.9 mm	48.3 mm	30.0 mm
W 12 x 230 #	15.05 "	12.895 "	2.070 "	1.285 "	W 12 x 342.2 Kg/m	382.3 mm	327.5 mm	52.6 mm	32.6 mm
W 12 x 252 #	15.41 "	13.005 "	2.250 "	1.395 "	W 12 x 375.0 Kg/m	391.4 mm	330.3 mm	57.2 mm	35.4 mm
W 12 x 279 #	15.85 "	13.140 "	2.470 "	1.530 "	W 12 x 415.2 Kg/m	402.6 mm	333.8 mm	62.7 mm	38.9 mm
W 12 x 305 #	16.32 "	13.235 "	2.705 "	1.624 "	W 12 x 453.8 Kg/m	414.5 mm	336.2 mm	68.7 mm	41.2 mm
W 12 x 336 #	16.82 "	13.385 "	2.955 "	1.775 "	W 12 x 500.0 Kg/m	427.2 mm	340.0 mm	75.1 mm	45.1 mm
W 14 x 22 #	13.72 "	5.000 "	0.335 "	0.230 "	W 14 x 32.7 Kg/m	348.5 mm	127.0 mm	8.5 mm	5.8 mm
W 14 x 26 #	13.89 "	5.025 "	0.418 "	0.255 "	W 14 x 38.7 Kg/m	352.8 mm	127.6 mm	10.6 mm	6.5 mm
W 14 x 30 #	13.86 "	6.733 "	0.383 "	0.270 "	W 14 x 44.6 Kg/m	352.0 mm	171.0 mm	9.7 mm	6.9 mm
W 14 x 34 #	14.00 "	6.750 "	0.453 "	0.287 "	W 14 x 50.6 Kg/m	355.6 mm	171.5 mm	11.5 mm	7.3 mm
W 14 x 38 #	14.12 "	6.776 "	0.513 "	0.313 "	W 14 x 56.5 Kg/m	358.6 mm	172.1 mm	13.0 mm	8.0 mm
W 14 x 43 #	13.68 "	8.000 "	0.528 "	0.308 "	W 14 x 64.0 Kg/m	347.5 mm	203.2 mm	13.4 mm	7.8 mm
W 14 x 48 #	13.81 "	8.031 "	0.593 "	0.339 "	W 14 x 71.4 Kg/m	350.8 mm	204.0 mm	15.1 mm	8.6 mm
W 14 x 53 #	13.94 "	8.062 "	0.658 "	0.370 "	W 14 x 78.9 Kg/m	354.1 mm	204.8 mm	16.7 mm	9.4 mm
W 14 x 61 #	13.91 "	10.000 "	0.643 "	0.378 "	W 14 x 90.8 Kg/m	353.3 mm	254.0 mm	16.3 mm	9.6 mm
W 14 x 68 #	14.06 "	10.040 "	0.718 "	0.418 "	W 14 x 101.2 Kg/m	357.1 mm	255.0 mm	18.2 mm	10.6 mm
W 14 x 74 #	14.19 "	10.072 "	0.783 "	0.450 "	W 14 x 110.1 Kg/m	360.4 mm	255.8 mm	19.9 mm	11.4 mm
W 14 x 82 #	14.31 "	10.130 "	0.855 "	0.510 "	W 14 x 122.0 Kg/m	363.5 mm	257.3 mm	21.7 mm	13.0 mm
W 14 x 90 #	14.02 "	14.520 "	0.710 "	0.440 "	W 14 x 133.9 Kg/m	356.1 mm	368.8 mm	18.0 mm	11.2 mm
W 14 x 99 #	14.16 "	14.565 "	0.780 "	0.485 "	W 14 x 147.3 Kg/m	359.7 mm	370.0 mm	19.8 mm	12.3 mm
W 14 x 109 #	14.32 "	14.605 "	0.860 "	0.525 "	W 14 x 162.2 Kg/m	363.7 mm	371.0 mm	21.8 mm	13.3 mm
W 14 x 120 #	14.48 "	14.670 "	0.940 "	0.590 "	W 14 x 178.6 Kg/m	367.8 mm	372.6 mm	23.9 mm	15.0 mm
W 14 x 132 #	14.66 "	14.725 "	1.030 "	0.645 "	W 14 x 196.4 Kg/m	372.4 mm	374.0 mm	26.2 mm	16.4 mm
W 14 x 145 #	14.78 "	15.500 "	1.090 "	0.680 "	W 14 x 215.8 Kg/m	375.4 mm	393.7 mm	27.7 mm	17.3 mm
W 14 x 159 #	14.95 "	15.565 "	1.190 "	0.745 "	W 14 x 236.6 Kg/m	379.7 mm	395.4 mm	30.2 mm	18.9 mm
W 14 x 176 #	15.25 "	15.640 "	1.313 "	0.820 "	W 14 x 261.9 Kg/m	387.4 mm	397.3 mm	33.4 mm	20.8 mm
W 14 x 193 #	15.50 "	15.710 "	1.438 "	0.890 "	W 14 x 287.2 Kg/m	393.7 mm	399.0 mm	36.5 mm	22.6 mm
W 14 x 211 #	15.75 "	15.800 "	1.563 "	0.980 "	W 14 x 314.0 Kg/m	400.1 mm	401.3 mm	39.7 mm	24.9 mm
W 14 x 233 #	16.04 "	15.890 "	1.720 "	1.070 "	W 14 x 346.7 Kg/m	407.4 mm	403.6 mm	43.7 mm	27.2 mm
W 14 x 257 #	16.38 "	15.995 "	1.890 "	1.175 "	W 14 x 382.4 Kg/m	416.1 mm	406.3 mm	48.0 mm	29.8 mm
W 14 x 283 #	16.74 "	16.110 "	2.070 "	1.290 "	W 14 x 421.1 Kg/m	425.2 mm	409.2 mm	52.6 mm	32.8 mm
W 14 x 311 #	17.12 "	16.230 "	2.260 "	1.410 "	W 14 x 462.8 Kg/m	434.8 mm	412.2 mm	57.4 mm	35.8 mm
W 14 x 342 #	17.56 "	16.365 "	2.468 "	1.545 "	W 14 x 508.9 Kg/m	446.0 mm	415.7 mm	62.7 mm	39.2 mm
W 14 x 370 #	17.94 "	16.475 "	2.658 "	1.655 "	W 14 x 550.6 Kg/m	455.7 mm	418.5 mm	67.5 mm	42.0 mm
W 14 x 398 #	18.31 "	16.590 "	2.843 "	1.770 "	W 14 x 592.2 Kg/m	465.1 mm	421.4 mm	72.2 mm	45.0 mm
W 14 x 426 #	18.69 "	16.695 "	3.033 "	1.875 "	W 14 x 633.9 Kg/m	474.7 mm	424.1 mm	77.0 mm	47.6 mm
W 14 x 455 #	19.05 "	16.828 "	3.213 "	2.008 "	W 14 x 677.0 Kg/m	483.9 mm	427.4 mm	81.6 mm	51.0 mm
W 14 x 500 #	19.63 "	17.008 "	3.501 "	2.188 "	W 14 x 744.0 Kg/m	498.6 mm	432.0 mm	88.9 mm	55.6 mm
W 14 x 550 #	20.26 "	17.206 "	3.818 "	2.386 "	W 14 x 818.4 Kg/m	514.6 mm	437.0 mm	97.0 mm	60.6 mm
W 14 x 605 #	20.94 "	17.418 "	4.157 "	2.598 "	W 14 x 900.2 Kg/m	531.9 mm	442.4 mm	105.6 mm	66.0 mm
W 14 x 665 #	21.67 "	17.646 "	4.522 "	2.826 "	W 14 x 989.5 Kg/m	550.4 mm	448.2 mm	114.9 mm	71.8 mm
W 14 x 730 #	22.44 "	17.889 "	4.910 "	3.069 "	W 14 x 1086.2 Kg/m	570.0 mm	454.4 mm	124.7 mm	78.0 mm
W 16 x 26 #	15.65 "	5.500 "	0.345 "	0.250 "	W 16 x 38.7 Kg/m	397.5 mm	139.7 mm	8.8 mm	6.4 mm
W 16 x 31 #	15.84 "	5.525 "	0.442 "	0.275 "	W 16 x 46.1 Kg/m	402.3 mm	140.3 mm	11.2 mm	7.0 mm
W 16 x 36 #	15.85 "	6.992 "	0.428 "	0.299 "	W 16 x 53.6 Kg/m	402.6 mm	177.6 mm	10.9 mm	7.6 mm
W 16 x 40 #	16.00 "	7.000 "	0.503 "	0.307 "	W 16 x 59.5 Kg/m	406.4 mm	177.8 mm	12.8 mm	7.8 mm
W 16 x 45 #	16.12 "	7.039 "	0.563 "	0.346 "	W 16 x 67.0 Kg/m	409.4 mm	178.8 mm	14.3 mm	8.8 mm
W 16 x 50 #	16.25 "	7.073 "	0.628 "	0.380 "	W 16 x 74.4 Kg/m	412.8 mm	179.7 mm	16.0 mm	9.7 mm
W 16 x 57 #	16.43 "	7.120 "	0.715 "	0.430 "	W 16 x 84.8 Kg/m	417.3 mm	180.8 mm	18.2 mm	10.9 mm
W 16 x 67 #	16.33 "	10.235 "	0.665 "	0.395 "	W 16 x 99.7 Kg/m	414.8 mm	260.0 mm	16.9 mm	10.0 mm
W 16 x 77 #	16.52 "	10.295 "	0.760 "	0.455 "	W 16 x 114.6 Kg/m	419.6 mm	261.5 mm	19.3 mm	11.6 mm
W 16 x 89 #	16.75 "	10.365 "	0.875 "	0.525 "	W 16 x 132.4 Kg/m	425.5 mm	263.3 mm	22.2 mm	13.3 mm
W 16 x 100 #	16.97 "	10.425 "	0.985 "	0.585 "	W 16 x 148.8 Kg/m	431.0 mm	264.8 mm	25.0 mm	14.9 mm
W 18 x 35 #	17.71 "	6.000 "	0.429 "	0.298 "	W 18 x 52.1 Kg/m	449.8 mm	152.4 mm	10.9 mm	7.6 mm
W 18 x 40 #	17.90 "	6.018 "	0.524 "	0.316 "	W 18 x 59.5 Kg/m	454.7 mm	152.9 mm	13.3 mm	8.0 mm
W 18 x 46 #	18.06 "	6.060 "	0.605 "	0.360 "	W 18 x 68.4 Kg/m	458.7 mm	153.9 mm	15.4 mm	9.1 mm
W 18 x 50 #	18.00 "	7.500 "	0.570 "	0.358 "	W 18 x 74.4 Kg/m	457.2 mm	190.5 mm	14.5 mm	9.1 mm
W 18 x 55 #	18.12 "	7.532 "	0.630 "	0.390 "	W 18 x 81.8 Kg/m	460.2 mm	191.3 mm	16.0 mm	9.9 mm
W 18 x 60 #	18.25 "	7.558 "	0.695 "	0.416 "	W 18 x 89.3 Kg/m	463.6 mm	192.0 mm	17.7 mm	10.6 mm
W 18 x 65 #	18.35 "	7.590 "	0.750 "	0.450 "	W 18 x 96.7 Kg/m	466.1 mm	192.8 mm	19.1 mm	11.4 mm
W 18 x 71 #	18.47 "	7.635 "	0.810 "	0.495 "	W 18 x 105.6 Kg/m	469.1 mm	193.9 mm	20.6 mm	12.6 mm
W 18 x 76 #	18.21 "	11.035 "	0.680 "	0.425 "	W 18 x 113.1 Kg/m	462.5 mm	280.3 mm	17.3 mm	10.8 mm
W 18 x 86 #	18.39 "	11.090 "	0.770 "	0.480 "	W 18 x 128.0 Kg/m	467.1 mm	281.7 mm	19.6 mm	12.2 mm
W 18 x 97 #	18.59 "	11.145 "	0.870 "	0.535 "	W 18 x 144.3 Kg/m	472.2 mm	283.1 mm	22.1 mm	13.6 mm
W 18 x 106 #	18.73 "	11.200 "	0.940 "	0.590 "	W 18 x 157.7 Kg/m	475.7 mm	284.5 mm	23.9 mm	15.0 mm
W 18 x 119 #	18.97 "	11.265 "	1.060 "	0.655 "	W 18 x 177.1 Kg/m	481.8 mm	286.1 mm	26.9 mm	16.6 mm
W 18 x 130 #	19.25 "	11.160 "	1.200 "	0.670 "	W 18 x 193.4 Kg/m	489.0 mm	283.5 mm	30.5 mm	17.0 mm
W 18 x 143 #	19.49 "	11.220 "	1.320 "	0.730 "	W 18 x 212.8 Kg/m	495.0 mm	285.0 mm	33.5 mm	18.5 mm
W 18 x 158 #	19.72 "	11.300 "	1.440 "	0.810 "	W 18 x 235.1 Kg/m	500.9 mm	287.0 mm	36.6 mm	20.6 mm

W 10 x 30 #	10.47 "	5.810 "	0.510 "	0.300 "	W 10 x 44.6 Kg/m	265.9 mm	147.6 mm	13.0 mm	7.6 mm
W 10 x 33 #	9.75 "	7.964 "	0.433 "	0.292 "	W 10 x 49.1 Kg/m	247.7 mm	202.3 mm	11.0 mm	7.4 mm
W 10 x 39 #	9.94 "	7.990 "	0.528 "	0.318 "	W 10 x 58.0 Kg/m	252.5 mm	202.9 mm	13.4 mm	8.1 mm
W 10 x 45 #	10.12 "	8.022 "	0.618 "	0.350 "	W 10 x 67.0 Kg/m	257.0 mm	203.8 mm	15.7 mm	8.9 mm
W 21 x 44 #	20.66 "	6.500 "	0.451 "	0.348 "	W 21 x 65.5 Kg/m	524.8 mm	165.1 mm	11.5 mm	8.8 mm
W 21 x 50 #	20.83 "	6.530 "	0.535 "	0.380 "	W 21 x 74.4 Kg/m	529.1 mm	165.9 mm	13.6 mm	9.7 mm
W 21 x 57 #	21.06 "	6.555 "	0.650 "	0.405 "	W 21 x 84.8 Kg/m	534.9 mm	166.5 mm	16.5 mm	10.3 mm
W 21 x 62 #	20.99 "	8.240 "	0.615 "	0.400 "	W 21 x 92.3 Kg/m	533.1 mm	209.3 mm	15.6 mm	10.2 mm
W 21 x 68 #	21.13 "	8.270 "	0.685 "	0.430 "	W 21 x 101.2 Kg/m	536.7 mm	210.1 mm	17.4 mm	10.9 mm
W 21 x 73 #	21.24 "	8.295 "	0.740 "	0.455 "	W 21 x 108.6 Kg/m	539.5 mm	210.7 mm	18.8 mm	11.6 mm
W 21 x 83 #	21.43 "	8.355 "	0.835 "	0.515 "	W 21 x 123.5 Kg/m	544.3 mm	212.2 mm	21.2 mm	13.1 mm
W 21 x 93 #	21.62 "	8.420 "	0.930 "	0.580 "	W 21 x 138.4 Kg/m	549.1 mm	213.9 mm	23.6 mm	14.7 mm
W 21 x 101 #	21.36 "	12.290 "	0.800 "	0.500 "	W 21 x 150.3 Kg/m	542.5 mm	312.2 mm	20.3 mm	12.7 mm
W 21 x 111 #	21.51 "	12.340 "	0.875 "	0.550 "	W 21 x 165.2 Kg/m	546.4 mm	313.4 mm	22.2 mm	14.0 mm
W 21 x 122 #	21.68 "	12.390 "	0.960 "	0.600 "	W 21 x 181.5 Kg/m	550.7 mm	314.7 mm	24.4 mm	15.2 mm
W 21 x 132 #	21.83 "	12.440 "	1.035 "	0.650 "	W 21 x 196.4 Kg/m	554.5 mm	316.0 mm	26.3 mm	16.5 mm
W 21 x 147 #	22.06 "	12.510 "	1.150 "	0.720 "	W 21 x 218.7 Kg/m	560.3 mm	317.8 mm	29.2 mm	18.3 mm
W 21 x 166 #	22.48 "	12.420 "	1.360 "	0.750 "	W 21 x 247.0 Kg/m	571.0 mm	315.5 mm	34.5 mm	19.1 mm
W 24 x 55 #	23.55 "	7.000 "	0.503 "	0.396 "	W 24 x 81.8 Kg/m	598.2 mm	177.8 mm	12.8 mm	10.1 mm
W 24 x 62 #	23.74 "	7.040 "	0.590 "	0.430 "	W 24 x 92.3 Kg/m	603.0 mm	178.8 mm	15.0 mm	10.9 mm
W 24 x 68 #	23.71 "	8.961 "	0.582 "	0.416 "	W 24 x 101.2 Kg/m	602.2 mm	227.6 mm	14.8 mm	10.6 mm
W 24 x 76 #	23.91 "	8.985 "	0.682 "	0.440 "	W 24 x 113.1 Kg/m	607.3 mm	228.2 mm	17.3 mm	11.2 mm
W 24 x 84 #	24.09 "	9.015 "	0.772 "	0.470 "	W 24 x 125.0 Kg/m	611.9 mm	229.0 mm	19.6 mm	11.9 mm
W 24 x 94 #	24.29 "	9.061 "	0.872 "	0.516 "	W 24 x 139.9 Kg/m	617.0 mm	230.1 mm	22.1 mm	13.1 mm
W 24 x 103 #	24.53 "	9.000 "	0.980 "	0.550 "	W 24 x 153.3 Kg/m	623.1 mm	228.6 mm	24.9 mm	14.0 mm
W 24 x 100 #	24.00 "	12.000 "	0.775 "	0.468 "	W 24 x 148.8 Kg/m	609.6 mm	304.8 mm	19.7 mm	11.9 mm
W 24 x 104 #	24.06 "	12.750 "	0.750 "	0.500 "	W 24 x 154.8 Kg/m	611.1 mm	323.9 mm	19.1 mm	12.7 mm
W 24 x 117 #	24.26 "	12.800 "	0.850 "	0.550 "	W 24 x 174.1 Kg/m	616.2 mm	325.1 mm	21.6 mm	14.0 mm
W 24 x 120 #	24.31 "	12.088 "	0.930 "	0.556 "	W 24 x 178.6 Kg/m	617.5 mm	307.0 mm	23.6 mm	14.1 mm
W 24 x 131 #	24.48 "	12.855 "	0.960 "	0.605 "	W 24 x 194.9 Kg/m	621.8 mm	326.5 mm	24.4 mm	15.4 mm
W 24 x 146 #	24.74 "	12.900 "	1.090 "	0.650 "	W 24 x 217.2 Kg/m	628.4 mm	327.7 mm	27.7 mm	16.5 mm
W 24 x 160 #	24.92 "	12.264 "	1.235 "	0.732 "	W 24 x 238.1 Kg/m	633.0 mm	311.5 mm	31.4 mm	18.6 mm
W 24 x 162 #	25.00 "	12.955 "	1.220 "	0.705 "	W 24 x 241.1 Kg/m	635.0 mm	329.1 mm	31.0 mm	17.9 mm
W 24 x 176 #	25.24 "	12.890 "	1.340 "	0.750 "	W 24 x 261.9 Kg/m	641.1 mm	327.4 mm	34.0 mm	19.1 mm
W 24 x 192 #	25.47 "	12.950 "	1.460 "	0.810 "	W 24 x 285.7 Kg/m	646.9 mm	328.9 mm	37.1 mm	20.6 mm
W 24 x 207 #	25.71 "	13.010 "	1.570 "	0.870 "	W 24 x 308.0 Kg/m	653.0 mm	330.5 mm	39.9 mm	22.1 mm
W 24 x 229 #	26.02 "	13.110 "	1.730 "	0.960 "	W 24 x 340.8 Kg/m	660.9 mm	333.0 mm	43.9 mm	24.4 mm
W 24 x 250 #	26.34 "	13.185 "	1.890 "	1.040 "	W 24 x 372.0 Kg/m	669.0 mm	334.9 mm	48.0 mm	26.4 mm
W 27 x 84 #	26.69 "	9.963 "	0.636 "	0.463 "	W 27 x 125.0 Kg/m	677.9 mm	253.1 mm	16.2 mm	11.8 mm
W 27 x 94 #	26.91 "	9.990 "	0.747 "	0.490 "	W 27 x 139.9 Kg/m	683.5 mm	253.7 mm	19.0 mm	12.4 mm
W 27 x 102 #	27.07 "	10.018 "	0.827 "	0.518 "	W 27 x 151.8 Kg/m	687.6 mm	254.5 mm	21.0 mm	13.2 mm
W 27 x 114 #	27.28 "	10.070 "	0.932 "	0.570 "	W 27 x 169.6 Kg/m	692.9 mm	255.8 mm	23.7 mm	14.5 mm
W 27 x 129 #	27.63 "	10.010 "	1.100 "	0.610 "	W 27 x 192.0 Kg/m	701.8 mm	254.3 mm	27.9 mm	15.5 mm
W 27 x 146 #	27.38 "	13.965 "	0.975 "	0.605 "	W 27 x 217.2 Kg/m	695.5 mm	354.7 mm	24.8 mm	15.4 mm
W 27 x 161 #	27.59 "	14.020 "	1.080 "	0.660 "	W 27 x 239.6 Kg/m	700.8 mm	356.1 mm	27.4 mm	16.8 mm
W 27 x 178 #	27.81 "	14.085 "	1.190 "	0.725 "	W 27 x 264.9 Kg/m	706.4 mm	357.8 mm	30.2 mm	18.4 mm
W 27 x 194 #	28.11 "	14.035 "	1.340 "	0.750 "	W 27 x 288.7 Kg/m	714.0 mm	356.5 mm	34.0 mm	19.1 mm
W 27 x 217 #	28.43 "	14.115 "	1.500 "	0.830 "	W 27 x 322.9 Kg/m	722.1 mm	358.5 mm	38.1 mm	21.1 mm
W 27 x 235 #	28.66 "	14.190 "	1.610 "	0.910 "	W 27 x 349.7 Kg/m	728.0 mm	360.4 mm	40.9 mm	23.1 mm
W 27 x 258 #	28.98 "	14.270 "	1.770 "	0.980 "	W 27 x 383.9 Kg/m	736.1 mm	362.5 mm	45.0 mm	24.9 mm
W 27 x 281 #	29.29 "	14.350 "	1.930 "	1.060 "	W 27 x 418.1 Kg/m	744.0 mm	364.5 mm	49.0 mm	26.9 mm
W 27 x 307 #	29.61 "	14.445 "	2.090 "	1.160 "	W 27 x 456.8 Kg/m	752.1 mm	366.9 mm	53.1 mm	29.5 mm
W 27 x 336 #	30.00 "	14.545 "	2.280 "	1.260 "	W 27 x 500.0 Kg/m	762.0 mm	369.4 mm	57.9 mm	32.0 mm
W 27 x 368 #	30.39 "	14.665 "	2.480 "	1.380 "	W 27 x 547.6 Kg/m	771.9 mm	372.5 mm	63.0 mm	35.1 mm
W 30 x 99 #	29.64 "	10.458 "	0.670 "	0.522 "	W 30 x 147.3 Kg/m	752.9 mm	265.6 mm	17.0 mm	13.3 mm
W 30 x 108 #	29.82 "	10.484 "	0.760 "	0.548 "	W 30 x 160.7 Kg/m	757.4 mm	266.3 mm	19.3 mm	13.9 mm
W 30 x 116 #	30.00 "	10.500 "	0.850 "	0.564 "	W 30 x 172.6 Kg/m	762.0 mm	266.7 mm	21.6 mm	14.3 mm
W 30 x 124 #	30.16 "	10.521 "	0.930 "	0.585 "	W 30 x 184.5 Kg/m	766.1 mm	267.2 mm	23.6 mm	14.9 mm
W 30 x 132 #	30.30 "	10.551 "	1.000 "	0.615 "	W 30 x 196.4 Kg/m	769.6 mm	268.0 mm	25.4 mm	15.6 mm
W 30 x 148 #	30.67 "	10.480 "	1.180 "	0.650 "	W 30 x 220.2 Kg/m	779.0 mm	266.2 mm	30.0 mm	16.5 mm
W 30 x 173 #	30.44 "	14.985 "	1.065 "	0.655 "	W 30 x 257.4 Kg/m	773.2 mm	380.6 mm	27.1 mm	16.6 mm
W 30 x 191 #	30.68 "	15.040 "	1.185 "	0.710 "	W 30 x 284.2 Kg/m	779.3 mm	382.0 mm	30.1 mm	18.0 mm
W 30 x 211 #	30.94 "	15.105 "	1.315 "	0.775 "	W 30 x 314.0 Kg/m	785.9 mm	383.7 mm	33.4 mm	19.7 mm
W 30 x 235 #	31.30 "	15.055 "	1.500 "	0.830 "	W 30 x 349.7 Kg/m	795.0 mm	382.4 mm	38.1 mm	21.1 mm
W 30 x 261 #	31.61 "	15.155 "	1.650 "	0.930 "	W 30 x 388.4 Kg/m	802.9 mm	384.9 mm	41.9 mm	23.6 mm
W 30 x 292 #	32.01 "	15.255 "	1.850 "	1.020 "	W 30 x 434.5 Kg/m	813.1 mm	387.5 mm	47.0 mm	25.9 mm
W 30 x 326 #	32.40 "	15.370 "	2.050 "	1.140 "	W 30 x 485.1 Kg/m	823.0 mm	390.4 mm	52.1 mm	29.0 mm
W 30 x 357 #	32.80 "	15.470 "	2.240 "	1.240 "	W 30 x 531.2 Kg/m	833.1 mm	392.9 mm	56.9 mm	31.5 mm
W 30 x 391 #	33.19 "	15.590 "	2.440 "	1.360 "	W 30 x 581.8 Kg/m	843.0 mm	396.0 mm	62.0 mm	34.5 mm
W 33 x 118 #	32.86 "	11.484 "	0.738 "	0.554 "	W 33 x 175.6 Kg/m	834.6 mm	291.7 mm	18.7 mm	14.1 mm
W 33 x 130 #	33.10 "	11.510 "	0.855 "	0.580 "	W 33 x 193.4 Kg/m	840.7 mm	292.4 mm	21.7 mm	14.7 mm
W 33 x 141 #	33.31 "	11.535 "	0.960 "	0.605 "	W 33 x 209.8 Kg/m	846.1 mm	293.0 mm	24.4 mm	15.4 mm
W 33 x 152 #	33.50 "	11.565 "	1.055 "	0.635 "	W 33 x 226.2 Kg/m	850.9 mm	293.8 mm	26.8 mm	16.1 mm

W 10 x 30 #	10.47 "	5.810 "	0.510 "	0.300 "	W 10 x 44.6 Kg/m	265.9 mm	147.6 mm	13.0 mm	7.6 mm
W 10 x 33 #	9.75 "	7.964 "	0.433 "	0.292 "	W 10 x 49.1 Kg/m	247.7 mm	202.3 mm	11.0 mm	7.4 mm
W 10 x 39 #	9.94 "	7.990 "	0.528 "	0.318 "	W 10 x 58.0 Kg/m	252.5 mm	202.9 mm	13.4 mm	8.1 mm
W 10 x 45 #	10.12 "	8.022 "	0.618 "	0.350 "	W 10 x 67.0 Kg/m	257.0 mm	203.8 mm	15.7 mm	8.9 mm
W 33 x 169 #	33.82 "	11.500 "	1.220 "	0.670 "	W 33 x 251.5 Kg/m	859.0 mm	292.1 mm	31.0 mm	17.0 mm
W 33 x 201 #	33.68 "	15.745 "	1.150 "	0.715 "	W 33 x 299.1 Kg/m	855.5 mm	399.9 mm	29.2 mm	18.2 mm
W 33 x 221 #	33.93 "	15.805 "	1.275 "	0.775 "	W 33 x 328.8 Kg/m	861.8 mm	401.4 mm	32.4 mm	19.7 mm
W 33 x 241 #	34.18 "	15.860 "	1.400 "	0.830 "	W 33 x 358.6 Kg/m	868.2 mm	402.8 mm	35.6 mm	21.1 mm
W 33 x 263 #	34.53 "	15.805 "	1.570 "	0.870 "	W 33 x 391.3 Kg/m	877.1 mm	401.4 mm	39.9 mm	22.1 mm
W 33 x 291 #	34.84 "	15.905 "	1.730 "	0.960 "	W 33 x 433.0 Kg/m	884.9 mm	404.0 mm	43.9 mm	24.4 mm
W 33 x 318 #	35.16 "	15.985 "	1.890 "	1.040 "	W 33 x 473.2 Kg/m	893.1 mm	406.0 mm	48.0 mm	26.4 mm
W 33 x 354 #	35.55 "	16.100 "	2.090 "	1.160 "	W 33 x 526.8 Kg/m	903.0 mm	408.9 mm	53.1 mm	29.5 mm
W 33 x 387 #	35.95 "	16.200 "	2.280 "	1.260 "	W 33 x 575.9 Kg/m	913.1 mm	411.5 mm	57.9 mm	32.0 mm
W 36 x 135 #	35.55 "	11.945 "	0.794 "	0.598 "	W 36 x 200.9 Kg/m	903.0 mm	303.4 mm	20.2 mm	15.2 mm
W 36 x 150 #	35.84 "	11.972 "	0.940 "	0.625 "	W 36 x 223.2 Kg/m	910.3 mm	304.1 mm	23.9 mm	15.9 mm
W 36 x 160 #	36.00 "	12.000 "	1.020 "	0.653 "	W 36 x 238.1 Kg/m	914.4 mm	304.8 mm	25.9 mm	16.6 mm
W 36 x 170 #	36.16 "	12.027 "	1.100 "	0.680 "	W 36 x 253.0 Kg/m	918.5 mm	305.5 mm	27.9 mm	17.3 mm
W 36 x 182 #	36.32 "	12.072 "	1.180 "	0.725 "	W 36 x 270.8 Kg/m	922.5 mm	306.6 mm	30.0 mm	18.4 mm
W 36 x 194 #	36.48 "	12.117 "	1.260 "	0.770 "	W 36 x 288.7 Kg/m	926.6 mm	307.8 mm	32.0 mm	19.6 mm
W 36 x 210 #	36.69 "	12.180 "	1.360 "	0.830 "	W 36 x 312.5 Kg/m	931.9 mm	309.4 mm	34.5 mm	21.1 mm
W 36 x 232 #	37.12 "	12.120 "	1.570 "	0.870 "	W 36 x 345.2 Kg/m	942.8 mm	307.8 mm	39.9 mm	22.1 mm
W 36 x 256 #	37.43 "	12.215 "	1.730 "	0.960 "	W 36 x 380.9 Kg/m	950.7 mm	310.3 mm	43.9 mm	24.4 mm
W 36 x 230 #	35.88 "	16.475 "	1.260 "	0.765 "	W 36 x 342.2 Kg/m	911.4 mm	418.5 mm	32.0 mm	19.4 mm
W 36 x 245 #	36.06 "	16.512 "	1.350 "	0.820 "	W 36 x 364.6 Kg/m	915.9 mm	419.4 mm	34.3 mm	20.8 mm
W 36 x 260 #	36.24 "	16.555 "	1.440 "	0.845 "	W 36 x 386.9 Kg/m	920.5 mm	420.5 mm	36.6 mm	21.5 mm
W 36 x 280 #	36.50 "	16.595 "	1.570 "	0.885 "	W 36 x 416.6 Kg/m	927.1 mm	421.5 mm	39.9 mm	22.5 mm
W 36 x 300 #	36.72 "	16.655 "	1.680 "	0.945 "	W 36 x 446.4 Kg/m	932.7 mm	423.0 mm	42.7 mm	24.0 mm
W 36 x 328 #	37.09 "	16.630 "	1.850 "	1.020 "	W 36 x 488.1 Kg/m	942.1 mm	422.4 mm	47.0 mm	25.9 mm
W 36 x 359 #	37.40 "	16.730 "	2.010 "	1.120 "	W 36 x 534.2 Kg/m	950.0 mm	424.9 mm	51.1 mm	28.4 mm
W 36 x 393 #	37.80 "	16.830 "	2.200 "	1.220 "	W 36 x 584.8 Kg/m	960.1 mm	427.5 mm	55.9 mm	31.0 mm
W 40 x 149 #	38.20 "	11.810 "	0.830 "	0.630 "	W 40 x 221.7 Kg/m	970.3 mm	300.0 mm	21.1 mm	16.0 mm
W 40 x 167 #	38.59 "	11.810 "	1.025 "	0.650 "	W 40 x 248.5 Kg/m	980.2 mm	300.0 mm	26.0 mm	16.5 mm
W 40 x 183 #	38.98 "	11.810 "	1.220 "	0.650 "	W 40 x 272.3 Kg/m	990.1 mm	300.0 mm	31.0 mm	16.5 mm
W 40 x 211 #	39.37 "	11.810 "	1.415 "	0.750 "	W 40 x 314.0 Kg/m	1000.0 mm	300.0 mm	35.9 mm	19.1 mm
W 40 x 235 #	39.69 "	11.890 "	1.575 "	0.830 "	W 40 x 349.7 Kg/m	1008.1 mm	302.0 mm	40.0 mm	21.1 mm
W 40 x 264 #	40.00 "	11.930 "	1.730 "	0.960 "	W 40 x 392.8 Kg/m	1016.0 mm	303.0 mm	43.9 mm	24.4 mm
W 40 x 199 #	38.67 "	15.750 "	1.065 "	0.650 "	W 40 x 296.1 Kg/m	982.2 mm	400.1 mm	27.1 mm	16.5 mm
W 40 x 215 #	38.98 "	15.750 "	1.220 "	0.650 "	W 40 x 319.9 Kg/m	990.1 mm	400.1 mm	31.0 mm	16.5 mm
W 40 x 249 #	39.38 "	15.750 "	1.420 "	0.750 "	W 40 x 370.5 Kg/m	1000.3 mm	400.1 mm	36.1 mm	19.1 mm
W 40 x 277 #	39.69 "	15.830 "	1.575 "	0.830 "	W 40 x 412.2 Kg/m	1008.1 mm	402.1 mm	40.0 mm	21.1 mm
W 40 x 294 #	40.39 "	12.008 "	1.929 "	1.059 "	W 40 x 437.5 Kg/m	1026.0 mm	305.0 mm	49.0 mm	26.9 mm
W 40 x 297 #	39.84 "	15.825 "	1.650 "	0.930 "	W 40 x 441.9 Kg/m	1011.9 mm	402.0 mm	41.9 mm	23.6 mm
W 40 x 324 #	40.16 "	15.905 "	1.810 "	1.000 "	W 40 x 482.1 Kg/m	1020.1 mm	404.0 mm	46.0 mm	25.4 mm
W 40 x 327 #	40.79 "	12.126 "	2.130 "	1.181 "	W 40 x 486.6 Kg/m	1036.0 mm	308.0 mm	54.1 mm	30.0 mm
W 40 x 362 #	40.55 "	16.020 "	2.010 "	1.120 "	W 40 x 538.7 Kg/m	1030.0 mm	406.9 mm	51.1 mm	28.4 mm
W 40 x 397 #	40.95 "	16.120 "	2.200 "	1.220 "	W 40 x 590.7 Kg/m	1040.1 mm	409.4 mm	55.9 mm	31.0 mm