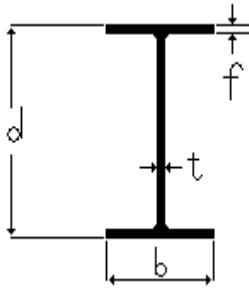




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## WideFlangeBeam

Standard Lengths 20' 40' 60'

Also available in 25' 30' 35' 45' 50' 55' Lengths

Standard Grades ASTM A36 ASTM A992

Section Number	Lbs Per Ft.	Depth d In.	Flange		Web t In.	Est. Lbs		
			Width b In.	Thick f In.		20'	40'	60'
<b>W 4 x 13</b>		4.16	4.060	0.345	0.280	260	520	780
<b>W 5 x 16</b>		5.01	5.000	0.360	0.240	320	640	960
		5.15	5.030	0.430	0.270	380	760	1140
<b>W 6 x 9</b>		5.90	3.940	0.215	0.170	180	360	540
		6.03	4.000	0.280	0.230	240	480	720
		5.99	5.990	0.260	0.230	300	600	900
		6.28	4.030	0.405	0.260	320	640	960
		6.20	6.020	0.365	0.260	400	800	1200
		6.38	6.080	0.455	0.320	500	1000	1500
<b>W 8 x 10</b>		7.89	3.940	0.205	0.170	200	400	600
		7.99	4.000	0.255	0.230	260	520	780
		8.11	4.015	0.315	0.245	300	600	900
		8.14	5.250	0.330	0.230	360	720	1080
		8.28	5.270	0.400	0.250	420	840	1260
		7.93	6.495	0.400	0.245	480	960	1440
		8.06	6.535	0.465	0.285	560	1120	1680
		8.00	7.995	0.435	0.285	620	1240	1860
		8.12	8.020	0.495	0.310	700	1400	2100
		8.25	8.070	0.560	0.360	800	1600	2400
		8.50	8.110	0.685	0.400	960	1920	2880
		8.75	8.220	0.810	0.510	1160	2320	3480
		9.00	8.280	0.935	0.570	1340	2680	4020

Section Number	Lbs Per Ft.	Depth d In.	Flange		Web t In.	20'	Est. Lbs	
			Width b In.	Thick f In.			40'	60'
<b>W 10 x</b>	<b>12</b>	9.87	3.960	0.210	0.190	240	480	720
	<b>15</b>	9.99	4.000	0.270	0.230	300	600	900
	<b>17</b>	10.11	4.010	0.330	0.240	340	680	1020
	<b>19</b>	10.24	4.020	0.395	0.250	380	760	1140
	<b>22</b>	10.17	5.750	0.360	0.240	440	880	1320
	<b>26</b>	10.33	5.770	0.440	0.260	520	1040	1560
	<b>30</b>	10.47	5.810	0.510	0.300	600	1200	1800
	<b>33</b>	9.73	7.960	0.435	0.290	660	1320	1980
	<b>39</b>	9.92	7.985	0.530	0.315	780	1560	2340
	<b>45</b>	10.10	8.020	0.620	0.350	900	1800	2700
	<b>49</b>	9.98	10.000	0.560	0.340	980	1960	2940
	<b>54</b>	10.09	10.030	0.615	0.370	1080	2160	3240
	<b>60</b>	10.22	10.080	0.680	0.420	1200	2400	3600
	<b>68</b>	10.40	10.130	0.770	0.470	1360	2720	4080
	<b>77</b>	10.60	10.190	0.870	0.530	1540	3080	4620
<b>W 12 x</b>	<b>88</b>	10.84	10.265	0.990	0.605	1760	3520	5280
	<b>100</b>	11.10	10.340	1.120	0.680	2000	4000	6000
	<b>112</b>	11.36	10.415	1.250	0.755	2240	4480	6720
	<b>14</b>	11.91	3.970	0.225	0.200	280	560	840
	<b>16</b>	11.99	3.990	0.265	0.220	320	640	960
	<b>19</b>	12.16	4.005	0.350	0.235	380	760	1140
	<b>22</b>	12.31	4.030	0.425	0.260	440	880	1320
	<b>26</b>	12.22	6.490	0.380	0.230	520	1040	1560
	<b>30</b>	12.34	6.520	0.440	0.260	600	1200	1800
	<b>35</b>	12.50	6.560	0.520	0.300	700	1400	2100
	<b>40</b>	11.94	8.005	0.515	0.295	800	1600	2400
	<b>45</b>	12.06	8.045	0.575	0.335	900	1800	2700
	<b>50</b>	12.19	8.080	0.640	0.370	1000	2000	3000
	<b>53</b>	12.06	9.995	0.575	0.345	1060	2120	3180
	<b>58</b>	12.19	10.010	0.640	0.360	1160	2320	3480
<b>W 14 x</b>	<b>65</b>	12.12	12.000	0.605	0.390	1300	2600	3900
	<b>72</b>	12.25	12.040	0.670	0.430	1440	2880	4320
	<b>79</b>	12.38	12.080	0.735	0.470	1580	3160	4740
	<b>87</b>	12.53	12.125	0.810	0.515	1740	3480	5220
	<b>96</b>	12.71	12.160	0.900	0.550	1920	3840	5760
	<b>106</b>	12.89	12.220	0.990	0.610	2120	4240	6360
	<b>120</b>	13.12	12.320	1.105	0.710	2400	4800	7200
	<b>136</b>	13.41	12.400	1.250	0.790	2720	5440	8160
	<b>152</b>	13.71	12.480	1.400	0.870	3040	6080	9120
	<b>170</b>	14.03	12.570	1.560	0.960	3400	6800	10200
	<b>190</b>	14.38	12.670	1.735	1.060	3800	7600	11400
	<b>22</b>	13.74	5.000	0.335	0.230	440	880	1320

Section Number	Lbs Per Ft.	Depth d In.	Flange			Web t In.	Est. Lbs			
			Width b In.	Thick f In.			20'	40'	60'	
	<b>26</b>	13.91	5.025	0.420	0.255	520	1040	1560		
	<b>30</b>	13.84	6.730	0.385	0.270	600	1200	1800		
	<b>34</b>	13.98	6.745	0.455	0.285	680	1360	2040		
	<b>38</b>	14.10	6.770	0.515	0.310	760	1520	2280		
	<b>43</b>	13.66	7.995	0.530	0.305	860	1720	2580		
	<b>48</b>	13.79	8.030	0.595	0.340	960	1920	2880		
	<b>53</b>	13.92	8.060	0.660	0.370	1060	2120	3180		
	<b>61</b>	13.89	9.995	0.645	0.375	1220	2440	3660		
	<b>68</b>	14.04	10.035	0.720	0.415	1360	2720	4080		
	<b>74</b>	14.17	10.070	0.785	0.450	1480	2960	4440		
	<b>82</b>	14.31	10.130	0.855	0.510	1640	3280	4920		
	<b>90</b>	14.02	14.520	0.710	0.440	1800	3600	5400		
	<b>99</b>	14.16	14.565	0.780	0.485	1980	3960	5940		
	<b>109</b>	14.32	14.605	0.860	0.525	2180	4360	6540		
	<b>120</b>	14.48	14.670	0.940	0.590	2400	4800	7200		
	<b>132</b>	14.66	14.725	1.030	0.645	2640	5280	7920		
	<b>145</b>	14.78	15.500	1.090	0.680	2900	5800	8700		
	<b>159</b>	14.98	15.565	1.190	0.745	3180	6360	9540		
	<b>176</b>	15.22	15.650	1.310	0.830	3520	7040	10560		
	<b>193</b>	15.48	15.710	1.440	0.890	3860	7720	11580		
	<b>211</b>	15.72	15.800	1.560	0.980	4220	8440	12660		
	<b>233</b>	16.04	15.890	1.720	1.070	4660	9320	13980		
	<b>257</b>	16.38	15.995	1.890	1.175	5140	10280	15420		
	<b>283</b>	16.74	16.110	2.070	1.290	5660	11320	16980		
	<b>311</b>	17.12	16.230	2.260	1.410	6220	12440	18660		
	<b>342</b>	17.54	16.360	2.470	1.540	6840	13680	20520		
	<b>370</b>	17.92	16.475	2.660	1.655	7400	14800	22200		
	<b>398</b>	18.29	16.590	2.845	1.770	7960	15920	23880		
<b>W</b>	<b>16</b>	<b>x</b>	<b>26</b>	15.69	5.500	0.345	0.250	520	1040	1560
			<b>31</b>	15.88	5.525	0.440	0.275	620	1240	1860
			<b>36</b>	15.86	6.985	0.430	0.295	720	1440	2160
			<b>40</b>	16.01	6.995	0.505	0.305	800	1600	2400
			<b>45</b>	16.13	7.035	0.565	0.345	900	1800	2700
			<b>50</b>	16.26	7.070	0.630	0.380	1000	2000	3000
			<b>57</b>	16.43	7.120	0.715	0.430	1140	2280	3420
			<b>67</b>	16.33	10.235	0.665	0.395	1340	2680	4020
			<b>77</b>	16.52	10.295	0.760	0.455	1540	3080	4620
			<b>89</b>	16.75	10.365	0.875	0.525	1780	3560	5340
			<b>100</b>	16.97	10.425	0.985	0.585	2000	4000	6000
<b>W</b>	<b>18</b>	<b>x</b>	<b>35</b>	17.70	6.000	0.425	0.300	700	1400	2100
			<b>40</b>	17.90	6.015	0.525	0.315	800	1600	2400
			<b>46</b>	18.06	6.060	0.605	0.360	920	1840	2760
			<b>50</b>	17.99	7.495	0.570	0.355	1000	2000	3000

Section Number	Lbs Per Ft.	Depth d In.	Flange			Web t In.	Est. Lbs			
			Width b In.	Thick f In.			20'	40'	60'	
	<b>55</b>	18.11	7.530	0.630	0.390	1100	2200	3300		
	<b>60</b>	18.24	7.555	0.695	0.415	1200	2400	3600		
	<b>65</b>	18.35	7.590	0.750	0.450	1300	2600	3900		
	<b>71</b>	18.47	7.635	0.810	0.495	1420	2840	4260		
	<b>76</b>	18.21	11.035	0.680	0.425	1520	3040	4560		
	<b>86</b>	18.39	11.090	0.770	0.480	1720	3440	5160		
	<b>97</b>	18.59	11.145	0.870	0.535	1940	3880	5820		
	<b>106</b>	18.73	11.200	0.940	0.590	2120	4240	6360		
	<b>119</b>	18.97	11.265	1.060	0.655	2380	4760	7140		
	<b>130</b>	19.25	11.160	1.200	0.670	2600	5200	7800		
	<b>143</b>	19.49	11.220	1.320	0.730	2860	5720	8580		
	<b>158</b>	19.72	11.300	1.440	0.810	3160	6320	9480		
	<b>175</b>	20.04	11.375	1.590	0.890	3500	7000	10500		
	<b>192</b>	20.35	11.455	1.750	0.960	3840	7680	11520		
	<b>211</b>	20.67	11.555	1.910	1.060	4220	8440	12660		
	<b>234</b>	21.06	11.650	2.110	1.160	4680	9360	14040		
	<b>258</b>	21.46	11.770	2.300	1.280	5160	10320	15480		
	<b>283</b>	21.85	11.890	2.500	1.400	5660	11320	16980		
	<b>311</b>	22.32	12.005	2.740	1.520	6220	12440	18660		
<b>W</b>	<b>21</b>	<b>x</b>	<b>44</b>	20.66	6.500	0.450	0.350	880	1760	2640
			<b>50</b>	20.83	6.530	0.535	0.380	1000	2000	3000
			<b>57</b>	21.06	6.555	0.650	0.405	1140	2280	3420
			<b>62</b>	20.99	8.240	0.615	0.400	1240	2480	3720
			<b>68</b>	21.13	8.270	0.685	0.430	1360	2720	4080
			<b>73</b>	21.24	8.295	0.740	0.455	1460	2920	4380
			<b>83</b>	21.43	8.355	0.835	0.515	1660	3320	4980
			<b>93</b>	21.62	8.420	0.930	0.580	1860	3720	5580
			<b>101</b>	21.36	12.290	0.800	0.500	2020	4040	6060
			<b>111</b>	21.51	12.340	0.875	0.550	2220	4440	6660
			<b>122</b>	21.68	12.390	0.960	0.600	2440	4880	7320
			<b>132</b>	21.83	12.440	1.035	0.650	2640	5280	7920
			<b>147</b>	22.06	12.510	1.150	0.720	2940	5880	8820
			<b>166</b>	22.48	12.420	1.360	0.750	3320	6640	9960
			<b>182</b>	22.72	12.500	1.480	0.830	3640	7280	10920
			<b>201</b>	23.03	12.575	1.630	0.910	4020	8040	12060
<b>W</b>	<b>24</b>	<b>x</b>	<b>55</b>	23.57	7.005	0.505	0.395	1100	2200	3300
			<b>62</b>	23.74	7.040	0.590	0.430	1240	2480	3720
			<b>68</b>	23.73	8.965	0.585	0.415	1360	2720	4080
			<b>76</b>	23.92	8.990	0.680	0.440	1520	3040	4560
			<b>84</b>	24.10	9.020	0.770	0.470	1680	3360	5040
			<b>94</b>	24.31	9.065	0.875	0.515	1880	3760	5640
			<b>103</b>	24.53	9.000	0.980	0.550	2060	4120	6180
			<b>104</b>	24.06	12.750	0.750	0.500	2080	4160	6240
			<b>117</b>	24.26	12.800	0.850	0.550	2340	4680	7020
			<b>131</b>	24.48	12.855	0.960	0.605	2620	5240	7860

Section Number	Lbs Per Ft.	Depth d In.	Flange			Web t In.	Est. Lbs		
			Width b In.	Thick f In.			20'	40'	60'
	<b>146</b>	24.74	12.900	1.090	0.650	2920	5840	8760	
	<b>162</b>	25.00	12.955	1.220	0.705	3240	6480	9720	
	<b>176</b>	25.24	12.890	1.340	0.750	3520	7040	10560	
	<b>192</b>	25.47	12.950	1.460	0.810	3840	7680	11520	
	<b>207</b>	25.71	13.010	1.570	0.870	4140	8280	12420	
	<b>229</b>	26.02	13.110	1.730	0.960	4580	9160	13740	
	<b>250</b>	26.34	13.185	1.890	1.040	5000	10000	15000	
	<b>279</b>	26.73	13.305	2.090	1.160	5580	11160	16740	
	<b>335</b>	27.52	13.520	2.480	1.380	6700	13400	20100	
	<b>408</b>	28.54	13.800	2.990	1.650	8160	16320	24480	
	<b>492</b>	29.65	14.115	3.540	1.970	9840	19680	29520	
<b>W 27 x</b>	<b>84</b>	26.71	9.960	0.640	0.460	1680	3360	5040	
		26.92	9.990	0.745	0.490	1880	3760	5640	
	<b>102</b>	27.09	10.015	0.830	0.515	2040	4080	6120	
	<b>114</b>	27.29	10.070	0.930	0.570	2280	4560	6840	
	<b>129</b>	27.63	10.010	1.100	0.610	2580	5160	7740	
	<b>146</b>	27.38	13.965	0.975	0.605	2920	5840	8760	
	<b>161</b>	27.59	14.020	1.080	0.660	3220	6440	9660	
	<b>178</b>	27.81	14.085	1.190	0.725	3560	7120	10680	
	<b>194</b>	28.11	14.035	1.340	0.750	3880	7760	11640	
	<b>217</b>	28.43	14.115	1.500	0.830	4340	8680	13020	
	<b>235</b>	28.66	14.190	1.610	0.910	4700	9400	14100	
	<b>258</b>	28.98	14.270	1.770	0.980	5160	10320	15480	
	<b>307</b>	29.61	14.445	2.090	1.160	6140	12280	18420	
	<b>368</b>	30.39	14.665	2.480	1.380	7360	14720	22080	
	<b>448</b>	31.42	14.940	2.990	1.650	8960	17920	26880	
	<b>539</b>	32.52	15.255	3.540	1.970	10780	21560	32340	
<b>W 30 x</b>	<b>90</b>	29.53	10.400	0.610	0.470	1800	3600	5400	
	<b>99</b>	29.65	10.450	0.670	0.520	1980	3960	5940	
	<b>108</b>	29.83	10.475	0.760	0.545	2160	4320	6480	
	<b>116</b>	30.01	10.495	0.850	0.565	2320	4640	6960	
	<b>124</b>	30.17	10.515	0.930	0.585	2480	4960	7440	
	<b>132</b>	30.31	10.545	1.000	0.615	2640	5280	7920	
	<b>148</b>	30.67	10.480	1.180	0.650	2960	5920	8880	
	<b>173</b>	30.44	14.985	1.065	0.655	3460	6920	10380	
	<b>191</b>	30.68	15.040	1.185	0.710	3820	7640	11460	
	<b>211</b>	30.94	15.105	1.315	0.775	4220	8440	12660	
	<b>235</b>	31.30	15.055	1.500	0.830	4700	9400	14100	
	<b>261</b>	31.61	15.155	1.650	0.930	5220	10440	15660	
	<b>292</b>	32.01	15.255	1.850	1.020	5840	11680	17520	
	<b>326</b>	32.40	15.370	2.050	1.140	6520	13040	19560	
	<b>391</b>	33.19	15.590	2.440	1.360	7820	15640	23460	
	<b>477</b>	34.21	15.865	2.950	1.630	9540	19080	28620	

Section Number	Lbs Per Ft.	Depth d In.	Flange			Web t In.	20'	Est. Lbs		
			Width b In.	Thick f In.				40'	60'	
<b>W 33</b>	<b>x</b>	<b>118</b>	32.86	11.480	0.740	0.550	2360	4720	7080	
		<b>130</b>	33.09	11.510	0.855	0.580	2600	5200	7800	
		<b>141</b>	33.00	11.535	0.960	0.605	2820	5640	8460	
		<b>152</b>	33.49	11.565	1.055	0.635	3040	6080	9120	
		<b>169</b>	33.82	11.500	1.220	0.670	3380	6760	10140	
		<b>201</b>	33.68	15.745	1.150	0.715	4020	8040	12060	
		<b>221</b>	33.93	15.805	1.275	0.775	4420	8840	13260	
		<b>241</b>	34.18	15.860	1.400	0.830	4820	9640	14460	
		<b>263</b>	34.53	15.805	1.570	0.870	5260	10520	15780	
		<b>291</b>	34.84	15.905	1.730	0.960	5820	11640	17460	
		<b>318</b>	35.16	15.985	1.890	1.040	6360	12720	19080	
		<b>354</b>	35.55	16.100	2.090	1.160	7080	14160	21240	
		<b>232</b>	37.12	12.120	1.570	0.870	4640	9280	13920	
		<b>245</b>	36.08	16.510	1.350	0.800	4900	9800	14700	
		<b>256</b>	37.43	12.215	1.730	0.960	5120	10240	15360	
		<b>260</b>	36.26	16.550	1.440	0.840	5200	10400	15600	
		<b>280</b>	36.52	16.595	1.570	0.885	5600	11200	16800	
		<b>300</b>	36.74	16.655	1.680	0.945	6000	12000	18000	
		<b>328</b>	37.09	16.630	1.850	1.020	6560	13120	19680	
		<b>359</b>	37.40	16.730	2.010	1.120	7180	14360	21540	
<b>393</b>	37.80	16.830	2.200	1.220	7860	15720	23580			
<b>439</b>	38.26	16.965	2.440	1.360	8780	17560	26340			
<b>527</b>	39.21	17.220	2.910	1.610	10540	21080	31620			
<b>650</b>	40.47	17.575	3.540	1.970	13000	26000	39000			
<b>798</b>	41.97	17.990	4.290	2.380	15960	31920	47880			
<b>848</b>	42.45	18.130	4.530	2.520	16960	33920	50880			
<b>W 40</b>	<b>x</b>	<b>149</b>	38.20	11.810	0.830	0.630	2980	5960	8940	
		<b>167</b>	38.59	11.810	1.025	0.650	3340	6680	10020	
		<b>174</b>	38.20	15.750	0.830	0.650	3480	6960	10440	
		<b>183</b>	38.98	11.810	1.220	0.650	3660	7320	10980	
		<b>199</b>	38.67	15.750	1.065	0.650	3980	7960	11940	
		<b>211</b>	39.37	11.810	1.415	0.750	4220	8440	12660	
		<b>215</b>	38.98	15.750	1.220	0.650	4300	8600	12900	
		<b>235</b>	39.69	11.890	1.575	0.830	4700	9400	14100	
		<b>249</b>	39.38	15.750	1.420	0.750	4980	9960	14940	
		<b>264</b>	40.00	11.930	1.730	0.960	5280	10560	15840	
		<b>277</b>	39.69	15.830	1.575	0.830	5540	11080	16620	
		<b>278</b>	40.16	11.970	1.810	1.020	5560	11120	16680	
		<b>297</b>	39.84	15.825	1.650	0.930	5940	11880	17820	
		<b>321</b>	40.08	15.910	1.770	1.000	6420	12840	19260	
		<b>331</b>	40.79	12.170	2.130	1.220	6620	13240	19860	
		<b>362</b>	40.55	16.020	2.010	1.120	7240	14480	21720	
<b>372</b>	40.63	16.060	2.050	1.160	7440	14880	22320			

Section Number	Lbs Per Ft.	Depth d In.	Flange		Web t In.	Est. Lbs		
			Width b In.	Thick f In.		20'	40'	60'
	<b>397</b>	40.95	16.120	2.200	1.220	7940	15880	23820
	<b>431</b>	41.26	16.220	2.360	1.340	8620	17240	25860
	<b>466</b>	42.44	12.640	2.950	1.670	9320	18640	27960
	<b>503</b>	42.05	16.420	2.760	1.540	10060	20120	30180
	<b>593</b>	42.99	16.690	3.230	1.790	11860	23720	35580
<b>W 44 x</b>	<b>230</b>	42.91	15.750	1.220	0.710	4600	9200	13800
	<b>262</b>	43.31	15.750	1.420	0.790	5240	10480	15720
	<b>290</b>	43.62	15.830	1.580	0.870	5800	11600	17400
	<b>335</b>	44.02	15.950	1.770	1.020	6700	13400	20100