

VIGA I ESTRUCTURAL STANDARD**Standard Structural I Beam****ASTM A-36****TAMAÑO EN PULGADAS / PESO EN LIBRAS****Size In Inches / Weight In Pound**

TAMAÑO	PESO POR PIE	ESPESOR	ANCHO	ESPESOR	AREA CUADRADA
Size A	Weight Per Ft	Thickness (Web) D	Width (Flange) B	Thickness (Flange) C	Square Area
3	5.7	.170	2.330	.260	1.67
	7.5	.349	2.509	.260	2.21
4	7.7	.193	2.663	.293	2.26
	9.5	.326	2.796	.293	2.79
5	10.0	.214	3.004	.326	2.94
	14.75	.494	3.284	.326	4.34
6	12.5	.232	3.332	.359	3.67
	17.25	.465	3.565	.359	5.07
7	15.3	.252	3.662	.392	4.50
	20.0	.450	3.860	.392	5.88
8	18.4	.271	4.001	.425	5.41
	23.0	.441	4.171	.425	6.77
10	25.4	.311	4.661	.491	7.46
	35.0	.594	4.944	.491	10.30
12	31.8	.350	5.000	.544	9.35
	35.0	.428	5.078	.544	10.30
	40.8	.472	5.252	.659	12.00
	50.0	.687	5.477	.659	14.70
15	42.9	.411	5.501	.622	12.60
	50.0	.550	5.640	.622	14.70
18	54.7	.461	6.001	.691	16.10
	70.0	.711	6.251	.691	20.60
20	66.0	.505	6.255	.795	19.40
	86.0	.660	7.060	.920	25.30
24	80.0	.500	7.000	.870	23.50
	100.0	.745	7.245	.870	29.30
	106.0	.620	7.870	1.090	31.20

VIGA W
Wide Flange Beams
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4 X 4	13.0	4.16	4.06	.345	.280
5 X 5	16.0	5.00	5.00	.360	.240
	18.5	5.12	5.02	.420	.265
6 X 4	19.0	5.15	5.03	.430	.270
	9.0	5.90	3.94	.215	.170
6 X 6	12.0	6.00	4.00	.279	.230
	16.0	6.25	4.03	.404	.260
6 X 6	15.5	6.00	6.00	.269	.240
	20.0	6.20	6.01	.367	.258
8 X 4	25.0	6.37	6.08	.456	.320
	10.0	7.90	3.94	.204	.170
8 X 4	13.0	8.00	4.00	.254	.230
	15.0	8.12	4.01	.314	.245
8 X 5 1/4	18.0	8.14	5.25	.330	.230
	21.0	8.28	5.27	.400	.250
8 X 6 1/2	24.0	7.93	6.50	.398	.245
	28.0	8.06	6.54	.463	.285
8 X 8	31.0	8.00	8.00	.433	.288
	34.3	8.00	8.00	.440	.375
8 X 8	35.0	8.12	8.02	.493	.315
	36.0	8.03	8.16	.446	.446
8 X 8	40.0	8.25	8.07	.558	.365
	48.0	8.50	8.11	.683	.405
8 X 8	58.0	8.75	8.22	.808	.510
	67.0	9.00	8.28	.933	.575
10 X 4	12.0	9.87	3.96	.210	.190
	15.0	10.00	4.00	.269	.230
10 X 4	17.0	10.12	4.01	.329	.240
	19.0	10.25	4.02	.394	.250
10 X 5 3/4	22.0	10.17	5.75	.360	.240
	26.0	10.33	5.75	.360	.240
10 X 8	30.0	10.47	5.81	.510	.300
	33.0	9.75	7.96	.433	.292
10 X 8	39.0	9.94	7.99	.528	.318
	45.0	10.12	8.02	.618	.350

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10 X 10	42.0	9.72	10.08	.418	.418	
	49.0	10.00	10.00	.558	.340	
	54.0	10.12	10.02	.618	.368	
	57.0	10.01	10.22	.564	.564	
	60.0	10.25	10.07	.683	.415	
	68.0	10.40	10.13	.770	.470	
	72.0	10.50	10.17	.808	.510	
	77.0	10.62	10.19	.868	.535	
	88.0	10.84	10.26	.990	.605	
12 X 4	100.0	11.12	10.34	1.118	.685	
	112.0	11.38	10.41	1.248	.755	
	14.0	11.91	3.97	.224	.200	
	16.0	11.99	3.99	.265	.220	
	19.0	12.16	4.01	.349	.240	
	22.0	12.31	4.03	.424	.260	
	12 X 6 1/2	26.0	12.22	6.49	.380	.230
		30.0	12.34	6.52	.440	.260
		35.0	12.50	6.56	.520	.300
12 X 8	40.0	11.94	8.00	.516	.294	
	45.0	12.06	8.04	.576	.336	
	50.0	12.19	8.07	.641	.371	
12 X 10	53.0	12.06	10.00	.576	.345	
	58.0	12.19	10.01	.641	.359	
12 X 12	53.0	11.78	12.04	.436	.436	
	65.0	12.12	12.00	.606	.390	
	72.0	12.25	12.04	.671	.430	
	74.0	12.12	12.22	.607	.607	
	79.0	12.38	12.08	.736	.470	
	87.0	12.53	12.12	.810	.515	
	92.0	12.62	12.15	.856	.545	
	99.0	12.75	12.19	.921	.580	
	106.0	12.88	12.23	.986	.620	
	120.0	13.12	12.32	1.106	.710	
	136.0	13.41	12.40	1.250	.790	
161.0	13.88	12.51	1.486	.905		
190.0	14.38	12.67	1.736	1.060		

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14 X 5	22.0	13.72	5.00	.335	.230
	26.0	13.89	5.03	.418	.255
14 X 6 3/4	30.0	13.86	6.73	.383	.270
	34.0	14.00	6.75	.453	.287
14 X 8	38.0	14.12	6.77	.513	.313
	43.0	13.68	8.00	.528	.308
	48.0	13.81	8.03	.593	.339
14 X 10	53.0	13.94	8.06	.658	.370
	61.0	13.91	10.00	.643	.378
	68.0	14.06	10.04	.718	.418
14 X 12	74.0	14.19	10.07	.783	.450
	73.0	13.64	14.59	.506	.506
	78.0	14.06	12.00	.718	.428
14 X 14 1/2	84.0	14.18	12.02	.778	.451
	87.0	14.00	14.50	.688	.420
	90.0	14.02	14.52	.710	.440
	99.0	14.16	14.56	.780	.485
	102.0	14.03	14.78	.704	.704
	103.0	14.25	14.57	.813	.495
	109.0	14.32	14.61	.860	.525
	117.0	14.23	14.89	.805	.805
	120.0	14.48	14.67	.940	.590
	127.0	14.62	14.69	.998	.610
14 X 16	136.0	14.75	14.74	1.063	.660
	145.0	14.78	15.50	1.090	.680
	150.0	14.88	15.51	1.128	.695
	159.0	14.98	15.57	1.190	.745
	167.0	15.12	15.60	1.248	.780
	176.0	15.25	15.64	1.313	.820
	184.0	15.38	15.66	1.378	.840
	193.0	15.50	15.71	1.438	.890
	202.0	15.63	15.75	1.503	.930
	211.0	15.75	15.80	1.563	.980
219.0	15.87	15.82	1.623	1.005	
233.0	16.04	15.89	1.720	1.070	

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14 X 16	237.0	16.12	15.91	1.748	1.090
	246.0	16.25	15.94	1.813	1.125
	264.0	16.50	16.02	1.938	1.205
	287.0	16.81	16.13	2.093	1.310
	314.0	17.19	16.23	2.283	1.415
	320.0	16.81	16.71	2.093	1.890
	342.0	17.56	16.36	2.468	1.545
	370.0	17.94	16.47	2.658	1.655
	398.0	18.31	16.59	2.843	1.770
	426.0	18.69	16.69	3.033	1.875
	455.0	19.05	16.828	3.213	2.008
	500.0	19.63	17.008	3.501	2.188
	550.0	20.26	17.206	3.818	2.386
	605.0	20.94	17.418	4.157	2.598
	665.0	21.67	17.646	4.522	2.826
730.0	22.44	17.889	4.910	3.069	
16 X 5 1/2	26.0	15.65	5.50	.345	.250
	31.0	15.84	5.53	.442	.275
16 X 7	36.0	15.85	6.99	.428	.299
	40.0	16.00	7.00	.503	.307
	45.0	16.12	7.03	.563	.346
	50.0	16.25	7.07	.628	.380
	57.0	16.43	7.12	.715	.430
16 X 10 1/4	64.0	16.00	8.50	.715	.443
	71.0	16.16	8.54	.795	.486
	78.0	16.32	8.58	.875	.529
	88.0	16.16	11.50	.795	.504
	96.0	16.32	11.53	.875	.535
18 X 6	35.0	17.71	6.00	.429	.524
	40.0	17.90	6.018	.524	.316
	46.0	18.06	6.06	.605	.360
18 X 7 1/2	50.0	18.00	7.50	.570	.358
	55.0	18.12	7.53	.630	.390
	60.0	18.25	7.55	.695	.416
	65.0	18.35	7.59	.750	.450

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18 X 7 1/2	71.0	18.47	7.64	.810	.495
18 X 11	77.0	18.16	8.78	.831	.475
	85.0	18.32	8.83	.911	.526
	96.0	18.16	11.75	.831	.512
	105.0	18.32	11.79	.911	.554
	114.0	18.48	11.83	.991	.595
21 X 6 1/2	44.0	20.66	6.50	.451	.348
	50.0	20.83	6.53	.535	.380
	55.0	20.80	8.22	.522	.375
21 X 8 1/4	62.0	20.99	8.24	.615	.400
	68.0	21.13	8.27	.685	.430
	73.0	21.24	8.29	.740	.455
	82.0	20.86	8.96	.795	.499
	93.0	21.62	8.42	.930	.580
21 X 13	112.0	21.00	13.00	.865	.527
	127.0	21.24	13.06	.985	.588
	142.0	21.46	13.13	1.095	.659
24 X 7	55.0	23.55	7.00	.503	.396
	62.0	23.74	7.04	.590	.430
24 X 9	68.0	23.71	8.96	.582	.416
	76.0	23.91	8.98	.682	.440
	84.0	24.09	9.01	.772	.470
	94.0	24.29	9.06	.872	.516
24 X 12 3/4	104.0	24.06	12.75	.750	.500
	110.0	24.16	12.04	.855	.510
	117.0	24.26	12.80	.850	.550
	130.0	24.25	14.00	.900	.565
	145.0	24.49	14.04	1.020	.608
27 X 10	160.0	24.72	14.09	1.135	.656
	84.0	26.69	9.96	.636	.463
	94.0	26.91	9.99	.747	.490
	102.0	27.07	10.01	.827	.518
	114.0	27.28	10.07	.932	.570
27 X 14	145.0	26.88	13.96	.975	.600
	160.0	27.08	14.02	1.075	.658
	177.0	27.31	14.09	1.190	.725
30 X 10 1/2	99.0	29.64	10.46	.670	.522

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30 X 10 1/2	108.0	29.82	10.48	.760	.548
	116.0	30.00	10.50	.850	.564
	124.0	30.16	10.52	.930	.585
	132.0	30.30	10.55	1.000	.615
30 X 15	172.0	29.88	14.98	1.065	.655
	190.0	30.12	15.04	1.185	.710
	210.0	30.38	15.10	1.315	.775
33 X 11 1/2	118.0	32.86	11.48	.738	.554
	130.0	33.10	11.51	.855	.580
	141.0	33.31	11.53	.960	.605
	152.0	33.50	11.56	1.055	.635
33 X 15 3/4	200.0	33.00	15.75	1.150	.715
	220.0	33.25	15.81	1.275	.775
	240.0	33.50	15.86	1.400	.830
36 X 12	135.0	35.55	11.95	.794	.598
	150.0	35.84	11.97	.940	.625
	160.0	36.00	12.00	1.020	.653
	170.0	36.16	12.02	1.100	.680
	182.0	36.32	12.07	1.180	.725
	194.0	36.48	12.11	1.260	.770
36 X 16 1/2	230.0	35.88	16.47	1.260	.765
	245.0	36.06	16.51	1.350	.802
	260.0	36.24	16.55	1.440	.845
	280.0	36.50	16.59	1.570	.885
	300.0	36.72	16.65	1.680	.945