

BEAMS

STEEL

Junior Beams

A529

Size	Lbs./ Ft.		Web Thick		Lbs./40'		
6	4.40	1.844	.114	88	176	220	264
8	6.50	2.281	.135	130	260	325	390
10	9.00	2.688	.155	180	360	450	540
12	11.80	3.063	.175	236	472	590	708

I Beams- Structural

A-36/ A529

Size	Lbs./ Ft.		Web Thick		Lbs./40'		
3	5.70	2.330	.170	114	228	285	342
3	7.50	2.509	.349	150	300	375	450
4	7.70	2.663	.193	154	308	385	462
5	10.00	3.004	.214	200	400	500	600
6	12.50	3.332	.230	250	500	625	750
6	17.25	3.565	.465	345	690	863	1035
8	18.40	4.000	.270	368	736	920	1104
8	23.00	4.171	.441	460	920	1150	1380
10	25.40	4.660	.310	508	1016	1270	1524
10	35.00	4.944	.594	700	1400	1750	2100
12	31.80	5.000	.350	636	1272	1590	1908
15	42.90	5.500	.410	858	1716	2145	2574

WIDE FLANGE BEAMS

NOMINAL SIZE IN INCHES	LBS./ FT	DEPTH OF SECTION	FLANGE WIDTH	FLANGE THICK.	WEB THICK.
4" X 4	13	4.16	4.06	0.345	0.28
5" X 5	16	5.01	5	0.36	0.24
	19	5.15	5.03	0.43	0.27
6" X 4	9	5.9	3.94	0.215	0.17
	12	6.03	4	0.28	0.23
	16	6.28	4.03	0.405	0.26
6" X 6	15	5.99	5.99	0.26	0.23
	20	6.2	6.02	0.365	0.26
	25	6.38	6.08	0.455	0.32
8" X 4	10	7.89	3.94	0.205	0.17
	13	7.99	4	0.255	0.23
	15	8.11	4.015	0.315	0.245
8" X 5 1/4	18	8.14	5.25	0.33	0.23
	21	8.28	5.27	0.4	0.25
8" X 6 1/2	24	7.93	6.495	0.4	0.245
	28	8.06	6.535	0.465	0.285
8" X 8	31	8	7.995	0.435	0.285
	35	8.12	8.02	0.495	0.31
	40	8.25	8.07	0.56	0.36
	48	8.5	8.11	0.685	0.4
	58	8.75	8.22	0.81	0.51
10" X 4	67	9	8.28	0.935	0.57
	12	9.87	3.96	0.21	0.19
	15	9.99	4	0.27	0.23
	17	10	4.1	0.33	0.24
	19	10.24	4.02	0.395	0.25

WIDE FLANGE BEAMS

NOMINAL SIZE IN INCHES	LBS./ FT	DEPTH OF SECTION	FLANGE WIDTH	FLANGE THICK.	WEB THICK.
10" X 5 3/4	22	10.17	5.75	0.36	0.24
	26	10.33	5.77	0.44	0.26
	30	10.47	5.81	0.51	0.3
10" X 8	33	9.73	7.96	0.435	0.29
	39	9.92	7.85	0.53	0.315
	45	10.1	8.02	0.62	0.35
10" X 10	49	9.98	10	0.56	0.34
	54	10.09	10.03	0.615	0.37
10" X 10	60	10.22	10.08	0.68	0.42
	68	10.4	10.13	0.77	0.47
	77	10.6	10.19	0.87	0.53
	88	10.84	10.265	0.99	0.605
	100	11.1	10.34	1.12	0.68
12" X 4	112	11.36	10.415	1.25	0.755
	14	11.91	3.97	0.225	0.2
	16	1.99	3.99	0.265	0.22
	19	12.16	4.005	0.35	0.235
	22	12.31	4.03	0.425	0.26
12" X 6 1/2	26	12.22	6.49	0.38	0.23
	30	12.34	6.52	0.44	0.26
	35	12.5	6.56	0.52	0.3
	40	11.94	8.005	0.515	0.295
12" X 8	45	12.06	8.045	0.575	0.335
	50	12.19	8.08	0.64	0.37
	53	12.06	9.995	0.575	0.345
12" X 10	58	12.19	10.01	0.64	0.36

12" x 12	65	12.12	12	0.605	0.39		211	15.72	15.8	1.56	0.98
	72	12.25	12.04	0.67	0.43		233	16.04	15.89	1.72	1.07
	79	12.38	12.08	0.735	0.47		257	16.38	15.995	1.89	1.175
	87	12.53	12.125	0.81	0.515		283	16.74	16.11	2.07	1.29
	96	12.71	12.16	0.9	0.55		311	17.12	16.23	2.26	1.14
	106	12.89	12.22	0.99	0.61		342	17.54	16.36	2.47	1.54
	120	13.12	12.32	1.105	0.71		370	17.92	16.475	2.66	1.655
	136	13.41	12.4	1.125	0.79	14" X 16	398	18.29	16.59	2.845	1.77
12" x 12	152	13.71	12.48	1.4	0.87		426	18.67	16.695	3.035	1.875
	170	14.03	12.57	1.56	0.96		455	19.02	16.835	3.21	2.015
	190	14.38	12.67	1.735	1.06		500	19.6	17.101	3.5	2.19
	210	14.71	12.79	1.9	1.18		550	20.24	17.2	3.82	2.38
	230	15.05	12.895	2.07	1.285		605	20.92	17.415	4.16	2.595
	252	15.41	13.005	2.25	1.395		665	21.64	17.65	4.52	2.83
	305	16.32	13.235	2.705	1.625		730	22.42	17.89	4.91	3.07
	336	16.82	13.385	2.955	1.775	16" X 5 1/2	26	15.69	5.5	0.345	0.25
14" x 5	22	13.74	5	0.335	0.23		31	15.88	5.525	0.44	0.275
	26	13.91	5.025	0.42	0.225	16" X 7	36	15.86	6.985	0.43	0.295
14" x 10	61	13.89	9.995	0.645	0.375		40	16.01	6.995	0.505	0.305
	68	14.04	10.035	0.72	0.415		45	16.13	7.035	0.565	0.345
	74	14.17	10.07	0.785	0.45		50	16.26	7.07	0.63	0.38
	82	14.31	10.13	0.855	0.51		57	16.43	7.12	0.715	0.43
14" X 14 1/2	90	14.02	14.52	0.71	0.44	16" X 10 1/4	67	16.33	10.235	0.665	0.395
	99	14.16	14.565	0.78	0.485		77	16.52	10.295	0.76	0.455
	109	14.32	14.605	0.86	0.525		89	16.75	10.365	0.875	0.525
	120	14.48	14.67	0.94	0.59		100	16.97	10.425	0.985	0.585
	132	14.66	14.725	1.03	0.645	18" X 6	35	17.7	6	0.425	0.3
14" X 16	145	14.78	15.5	1.09	0.68		40	17.9	6.015	0.525	0.315
	159	14.98	15.565	1.19	0.745		46	18.06	6.06	0.605	0.36
	176	15.22	15.65	1.31	0.83	18" X 7 1/2	50	17.99	7.495	0.57	0.355
193	15.48	15.71	1.44	0.89		55	18.11	7.53	0.63	0.39	

18" x 11	130	19.25	11.16	1.2	0.67	24" X12 3/4	76	23.92	8.99	0.68	0.44
	143	19.49	11.22	1.32	0.73		84	24.1	9.02	0.77	0.47
	158	19.72	11.3	1.44	0.81		94	24.31	9.065	0.875	0.515
	175	20.04	11.375	1.59	0.89		103	24.53	9	0.98	0.55
	192	20.35	11.455	1.75	0.96		104	24.06	12.75	0.75	0.5
	211	20.67	11.555	1.91	1.06		117	24.26	12.8	0.85	0.55
21" x 6 1/2	234	21.06	11.65	2.11	1.16	131	24.48	12.855	0.96	0.695	
	44	20.66	6.5	0.45	0.35	146	24.74	12.9	1.09	0.65	
	50	20.83	6.53	0.535	0.38	162	25	12.955	1.22	0.705	
21" x 8 1/4	57	21.06	6.555	0.65	0.405	176	25.24	12.89	1.34	0.75	
	48	20.62	8.14	0.43	0.35	192	25.47	12.95	1.46	0.81	
	55	20.8	8.22	0.522	0.375	207	25.71	13.01	1.57	0.87	
	62	20.99	8.42	0.615	0.4	229	26.02	13.11	1.73	0.96	
	68	21.13	8.27	0.685	0.43	250	26.34	13.185	1.89	1.04	
	73	21.24	8.295	0.74	0.455	279	26.73	13.305	2.09	1.16	
	83	21.43	8.355	0.835	0.515	306	27.13	13.405	2.28	1.26	
	93	21.62	8.42	0.93	0.58	335	27.52	13.52	2.48	1.38	
21" x12 1/4	101	21.36	12.29	0.8	0.5	370	27.99	13.66	2.72	1.52	
	111	21.51	12.34	0.875	0.55	84	26.71	9.96	0.64	0.46	
	122	21.68	12.39	0.96	0.6	94	26.92	9.99	0.745	0.49	
	132	21.83	12.44	1.035	0.65	102	27.09	10.015	0.83	0.505	
	147	22.06	12.51	1.15	0.72	114	27.29	10.07	0.93	0.57	
	166	22.48	12.42	1.36	0.75	129	27.63	10.01	1.1	0.61	
	182	22.72	12.5	1.48	0.83	146	27.38	13.965	0.975	0.605	
	201	23.03	12.575	1.63	0.91	161	27.59	14.02	1.08	0.66	
	223	23.35	12.675	1.79	1	178	27.81	14.085	1.19	0.725	
	248	23.74	12.775	1.99	1.1	194	28.11	14.035	1.34	0.75	
24" X 7	275	24.13	12.89	2.19	1.22	217	28.43	14.115	1.5	0.83	
	55	23.57	7.005	0.505	0.395	235	28.66	14.19	1.61	0.91	
24" X 9	62	23.74	7.04	0.59	0.43						
	68	23.73	8.965	0.585	0.415						

27" X14	258	28.98	14.27	1.77	0.98	36" X12	387	35.95	16.2	2.28	1.26
	281	27.29	14.35	1.93	1.06		135	35.55	11.95	0.79	0.6
	307	29.61	14.445	2.09	1.16		150	35.85	11.975	0.94	0.625
	336	30	14.55	2.28	1.126		160	36.01	12	1.02	0.65
	368	30.39	14.665	2.48	1.38		170	36.17	12.03	1.1	0.68
30" X10 1/2	99	29.65	10.45	0.67	0.52	36" X16 1/2	182	36.33	12.075	1.18	0.725
	108	29.83	10.75	0.76	0.545		232	37.12	12.12	1.57	0.87
	116	30.01	10.495	0.85	0.565		256	37.43	12.215	1.73	0.96
	124	30.17	10.515	0.93	0.585		230	35 7/8	16 1/2	1 1/4	3/4
	132	30.31	10.545	1	0.615		260	36 1/4	16 1/2	1 7/16	13/16
30" X15	148	30.67	10.48	1.18	0.65	280	36 1/2	16 5/8	1 9/16	7/8	
	173	30.44	14.985	1.065	0.665	300	36 3/4	16 5/8	1 11/16	15/16	
	191	30.68	10.54	1.185	0.71	40" X16	199	38.67	15.75	1.065	0.65
	211	30.94	15.105	1.135	0.775		215	38.98	15.75	1.22	0.65
	235	31.3	15.055	1.5	0.83		249	39.38	15.75	1.42	0.75
261	31.61	15.155	1.65	0.93	277		39.69	15.83	1.575	0.83	
292	32.01	115.255	1.85	1.02	297		39.84	15.825	1.65	0.93	
33 X11 1/2	326	32.4	15.37	2.05	1.14	324	40.16	15.91	1.81	1	
	357	32.8	15.47	2.24	1.24	362	40.55	16.02	2.01	1.12	
	391	33.19	15.59	2.44	1.36	372	40.63	16.063	2.047	1.161	
	118	32 7/8	11 1/2	3/4	9/16	397	40.95	16.12	2.2	1.22	
	130	33 1/8	11 1/2	7/8	9/16	431	41.26	16.22	2.36	1.34	
33" X15 3/4	141	33 1/4	11 1/2	15/16	5/8	44" X16	230	42.91	15.748	1.22	0.709
	152	33 1/2	11 5/8	1 1/16	5/8		262	43.31	15.748	1.417	0.878
	201	33.68	15.745	1.15	0.715		290	43.62	15.827	1.575	0.866
	221	33.93	15.805	1.275	0.775		335	44.02	15.945	1.772	1.024
	241	34.18	15.86	1.4	0.83						
263	34.53	15.805	1.57	0.87							
291	34.84	15.905	1.73	0.96							
318	35.16	15.985	1.89	1.04							
354	35.55	16.1	2.09	1.16							

Also available in Aluminum and Stainless