



*Pennsylvania Steel
Company, Inc.*

Beams & Channels

Product Catalog

pasteel.com



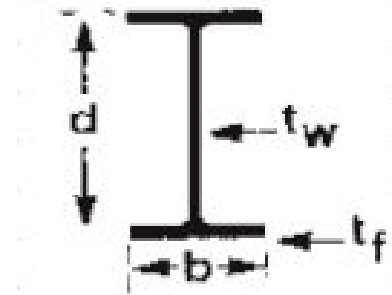
Table of Contents

<u>W Beams.....</u>	<u>Pages 2-7</u>
<u>S Beams.....</u>	<u>Page 8</u>
<u>T Tees (Bar Size).....</u>	<u>Page 9</u>
<u>C Channels (Bar Size).....</u>	<u>Page 9</u>
<u>C Channels (Standard Structure).....</u>	<u>Page 10</u>
<u>MC Channels (Ship & Car).....</u>	<u>Pages 11-12</u>
<u>MC Channels (Stairs).....</u>	<u>Page 12</u>

W Beams (Wide Flange Beams)

ASTM A992

Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
4	13	4.16	4.060	0.345	0.280
5	16	5.01	5.000	0.360	0.240
	19	5.15	5.030	0.430	0.270
6	**4.4	6.00	1.844	0.171	0.114
	9	5.90	3.940	0.215	0.170
	12	6.03	4.000	0.280	0.230
	15	5.99	5.990	0.260	0.230
	16.0	6.28	4.030	0.405	0.260
	20	6.20	6.020	0.365	0.260
	25	6.38	6.080	0.455	0.320
8	10	7.89	3.940	0.205	0.170
	13	7.99	4.000	0.255	0.230
	15	8.11	4.015	0.315	0.245
	18	8.14	5.250	0.330	0.230
	21	8.28	5.270	0.400	0.250
	24	7.93	6.495	0.400	0.245
	28	8.06	6.535	0.465	0.285
	31	8.00	7.995	0.435	0.285
	35	8.12	8.020	0.495	0.310
	40	8.25	8.070	0.560	0.360
	48	8.50	8.110	0.685	0.400
	58	8.75	8.220	0.810	0.510
	67	9.00	8.280	0.935	0.570
10	12	9.87	3.960	0.210	0.190
	15	9.99	4.000	0.270	0.230
	19	10.24	4.020	0.395	0.250
	22	10.17	5.750	0.360	0.240
	26	10.33	5.770	0.440	0.260
	30	10.47	5.810	0.510	0.300
	33	9.73	7.960	0.435	0.290



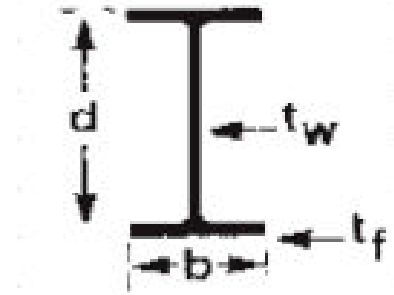
**Junior Beams

List indicates mill capabilities. Most popular items stocked in 20' and 40' lengths.

W Beams (Wide Flange Beams)

ASTM A992

Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
	39	9.92	7.985	0.530	0.315
	45	10.10	8.020	0.620	0.350
	49	9.98	10.000	0.560	0.340
	54	10.09	10.030	0.615	0.370
10	60	10.22	10.080	0.680	0.420
	68	10.40	10.130	0.770	0.470
	77	10.60	10.190	0.870	0.530
	88	10.84	10.265	0.990	0.605
	100	11.10	10.340	1.120	0.680
	112	11.36	10.415	1.250	0.755
12	14	11.91	3.970	0.225	0.200
	16	11.99	3.990	0.265	0.220
	19	12.16	4.005	0.350	0.235
	22	12.31	4.030	0.425	0.260
	26	12.22	6.490	0.380	0.230
	30	12.34	6.520	0.440	0.260
	35	12.50	6.560	0.520	0.300
	40	11.94	8.005	0.515	0.295
	45	12.06	8.045	0.575	0.335
	50	12.19	8.080	0.640	0.370
	53	12.06	9.995	0.575	0.345
	58	12.19	10.010	0.640	0.360
	65	12.12	12.000	0.605	0.390
	72	12.25	12.040	0.670	0.430
	79	12.38	12.080	0.735	0.470
	87	12.53	12.125	0.810	0.515
	96	12.71	12.160	0.900	0.550
	106	12.89	12.220	0.990	0.610
	120	13.12	12.320	1.105	0.710
	136	13.41	12.400	1.250	0.790



**Junior Beams

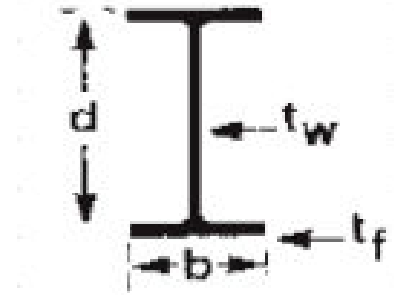
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W Beams (Wide Flange Beams)

ASTM A992



Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
	170	14.03	12.570	1.560	0.960
	190	14.38	12.670	1.735	1.060
14	22	13.74	5.000	0.335	0.230
	26	13.91	5.025	0.420	0.255
	30	13.84	6.730	0.385	0.270
	34	13.98	6.745	0.455	0.285
	38	14.10	6.770	0.515	0.310
	43	13.66	7.995	0.530	0.305
	48	13.79	8.030	0.595	0.340
	53	13.92	8.060	0.660	0.370
	61	13.89	9.995	0.645	0.375
	68	14.04	10.035	0.720	0.415
14	74	14.17	10.070	0.785	0.450
	82	14.31	10.130	0.855	0.510
	90	14.02	14.520	0.710	0.440
	99	14.16	14.565	0.780	0.485
	109	14.32	14.605	0.860	0.525
	120	14.48	14.670	0.940	0.590
	132	14.66	14.725	1.030	0.645
	145	14.78	15.500	1.090	0.680
	159	14.98	15.565	1.190	0.745
	193	15.48	15.710	1.440	0.890
	211	15.72	15.800	1.560	0.980
	233	16.04	15.890	1.720	1.070
16	26	15.69	5.500	0.345	0.250
	31	15.88	5.525	0.440	0.275
	36	15.86	6.985	0.430	0.295
	40	16.01	6.995	0.505	0.305
	45	16.13	7.035	0.565	0.345
	50	16.26	7.070	0.630	0.380



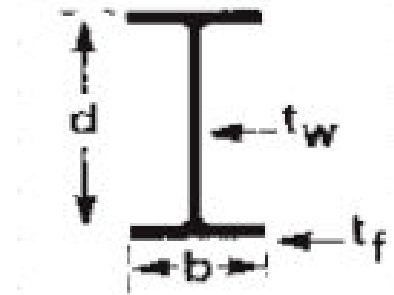
**Junior Beams

List indicates mill capabilities. Most popular items stocked in 20' and 40' lengths.

W Beams (Wide Flange Beams)

ASTM A992

Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
	57	16.43	7.120	0.715	0.430
	67	16.33	10.235	0.665	0.395
	77	16.52	10.295	0.760	0.455
	89	16.75	10.365	0.875	0.525
	100	16.97	10.425	0.985	0.585
18	35	17.70	6.000	0.425	0.300
	40	17.90	6.015	0.525	0.315
	46	18.06	6.060	0.605	0.360
	50	17.99	7.495	0.570	0.355
	55	18.11	7.530	0.630	0.390
	60	18.24	7.555	0.695	0.415
	65	18.35	7.590	0.750	0.450
	71	18.47	7.635	0.810	0.495
	76	18.21	11.035	0.680	0.425
	86	18.39	11.090	0.770	0.480
	97	18.59	11.145	0.870	0.535
	106	18.73	11.200	0.940	0.590
	119	18.97	11.265	1.060	0.655
21	44	20.66	6.500	0.450	0.350
	50	20.83	6.530	0.535	0.380
	57	21.06	6.555	0.650	0.405
	62	20.99	8.240	0.615	0.400
	68	21.13	8.270	0.685	0.430
	73	21.24	8.295	0.740	0.455
	83	21.43	8.355	0.835	0.515
	93	21.62	8.420	0.930	0.580
	101	21.36	12.290	0.800	0.500
	111	21.51	12.340	0.875	0.550
	122	21.68	12.390	0.960	0.600
	132	21.83	12.440	1.035	0.650



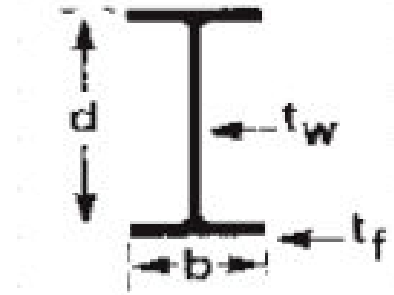
**Junior Beams

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W Beams (Wide Flange Beams)

ASTM A992

Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
	147	22.06	12.510	1.150	0.720
24	55	23.57	7.005	0.505	0.395
	62	23.74	7.040	0.590	0.430
	68	23.73	8.965	0.585	0.415
	76	23.92	8.990	0.680	0.440
	84	24.10	9.020	0.770	0.470
	94	24.31	9.065	0.875	0.515
	104	24.06	12.750	0.750	0.500
	117	24.26	12.800	0.850	0.550
	131	24.48	12.855	0.960	0.605
	146	24.74	12.900	1.090	0.650
	162	25.00	12.955	1.220	0.705
27	84	26.71	9.960	0.640	0.460
	94	26.92	9.990	0.745	0.490
	102	27.09	10.015	0.830	0.515
	114	27.29	10.070	0.930	0.570
	146	27.38	13.965	0.975	0.605
	161	27.59	14.020	1.080	0.660
	178	27.81	14.085	1.190	0.725
30	99	29.65	10.450	0.670	0.520
	108	29.83	10.475	0.760	0.545
	116	30.01	10.495	0.850	0.565
	124	30.17	10.515	0.930	0.585
	132	30.31	10.545	1.000	0.615
	173	30.44	14.985	1.065	0.655
	191	30.68	15.040	1.185	0.710
	211	30.94	15.105	1.315	0.775
33	118	32.86	11.480	0.740	0.550
	130	33.09	11.510	0.855	0.580
	141	33.30	11.535	0.960	0.605



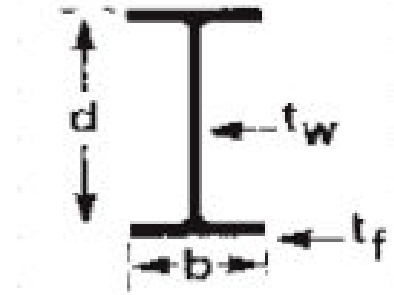
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W Beams (Wide Flange Beams)

ASTM A992

Nominal Size In.	Weight Per FootLbs.	Depth of Section In. (d)	Flange WidthIn. (b)	Flange Thickness In. (tf)	Web Thickness In. (tw)
	152	33.49	11.565	1.055	0.635
	201	33.68	15.745	1.150	0.715
	221	33.93	15.805	1.275	0.775
36	135	35.55	11.950	0.790	0.600
	150	35.85	11.975	0.940	0.625
	160	36.01	12.000	1.020	0.650
	170	36.17	12.030	1.100	0.680
	194	36.49	12.115	1.260	0.765
	230	35.90	16.470	1.260	0.760
	245	36.08	16.510	1.350	0.800
	300	36.74	16.655	1.680	0.945



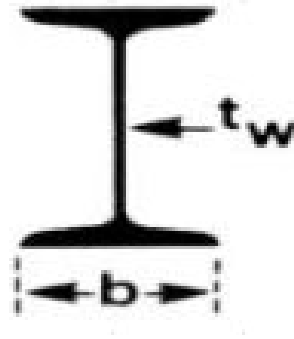
****Junior Beams**

List indicates mill capabilities. Most popular items stocked in 20' and 40' lengths.

S Beams (Standard Beams)

ASTM A992

Nominal Size In.	Weight Per Foot Lbs.	Flange Width In. (b)	Web Thickness In. (tw)
3	6	2.33	0.170
	8	2.51	0.349
4	8	2.66	0.190
	9.5	2.80	0.326
5	10	3.00	0.210
	13	3.33	0.230
6	17	3.57	0.465
	18.4	4.00	0.270
8	23	4.17	0.441
	25	4.66	0.310
10	35	4.94	0.594
	32	5.00	0.350
12	35	5.08	0.428
	41	5.25	0.460
15	50	5.48	0.687
	43	5.50	0.410
18	50	5.64	0.550
	55	6.00	0.460
20	70	6.25	0.711
	66	6.26	0.505
24	75	6.39	0.635
	86	7.06	0.660
	96	7.20	0.800
	80	7.00	0.500
	90	7.13	0.625
	100	7.25	0.745
	106	7.87	0.620
	121	8.05	0.800

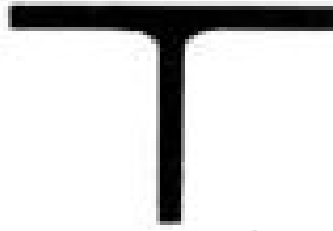


List indicates mill capabilities. Most popular items stocked in 20' and 40' lengths.

T Tees (Bar Size)

ASTM A36 / ASME SA36

Size In.	Weight Per Foot Lbs.	In Lengths Up To Feet
1 1/4 x 1 1/4 x 3/16	1.48	20
1 1/2 x 1 1/2 x 1/4	2.43	20
2 x 2 x 1/4	3.62	20



C Channels (Bar Size)

ASTM A36 / ASME SA36

Size In.	Weight Per Foot Lbs.	In Lengths Up To Feet
1 x 1/2 x 1/8	0.84	20
1 1/4 x 1/2 x 1/8	1.01	20
1 1/2 x 1/2 x 1/8	1.12	20
1 1/2 x 9/16 x 3/16	1.44	20
1 1/2 x 3/4 x 1/8	1.17	20
2 x 1/2 x 1/8	1.43	20
2 x 9/16 x 3/16	1.86	20
2 x 5/8 x 1/4	2.28	20
2 x 1 x 1/8	1.59	20
2 x 1 x 3/16	2.32	20
2 1/2 x 5/8 x 3/16	2.27	20



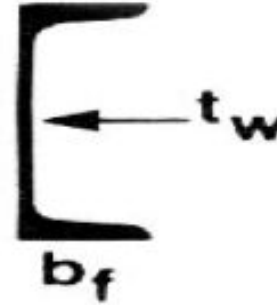
C Channels (Standard Structural)

ASTM A36 / A572



Nominal Size In.	Weight Per Foot Lbs.	Flange Width In. (b)	Web Thickness In. (tw)
3	3.5	1.375	0.130
	4.1	1.41	0.170
	5	1.498	0.258
4	6	1.596	0.356
	4.5	1.59	0.135
	5.4	1.58	0.180
5	7.25	1.72	0.320
	6.7	1.75	0.190
	9	1.885	0.325
6	8.2	1.92	0.200
	10.5	2.034	0.314
	13	2.157	0.437
7	9.8	2.09	0.210
	12.25	2.194	0.314
	14.75	2.299	0.419
8	8.5	1.875	0.180
	11.5	2.26	0.220
	13.75	2.343	0.303
	18.75	2.527	0.487
9	13.4	2.43	0.230
	15	2.485	0.285
	20	2.648	0.448
	25	2.886	0.526
10	30	3.033	0.673
	15.3	2.6	0.240
	20	2.739	0.379
	25	2.886	0.526
12	30	3.033	0.673
	20.7	2.94	0.280
	25	3.047	0.387
15	30	3.17	0.510
	33.9	3.40	0.400
	40	3.52	0.520
	50	3.716	0.716

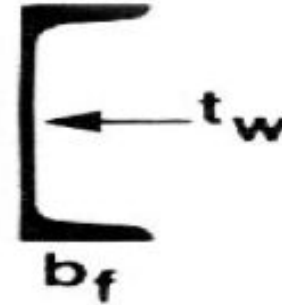
List indicates mill capabilities. Most popular items stocked in 20' and 40' lengths.



MC Channels (Ship & Car)

ASTM A36 / A572

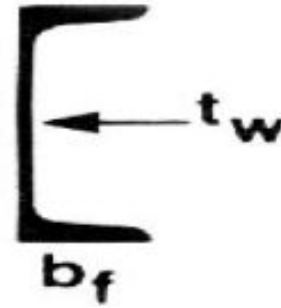
Nominal Size In.	Weight Per Foot Lbs.	Flange Width In. (b)	Web Thickness In. (tw)
3	7.1	1.940	0.313
4	13.8	2.500	0.500
6	12.0	2.497	0.310
	15.1	2.941	0.316
	15.3	3.500	0.340
	16.3	3.000	0.375
	18.0	3.500	0.375
7	17.6	3.000	0.375
	19.1	3.452	0.352
	22.7	3.603	0.503
8	18.7	2.978	0.353
	20.0	3.025	0.400
	21.4	3.450	0.375
	22.8	3.502	0.427
9	23.9	3.450	0.400
	25.4	3.500	0.450
10	22.0	3.450	0.325
	25.0	3.402	0.377
	25.3	3.550	0.425
	28.3	3.502	0.477
	28.5	3.950	0.425
	33.6	4.100	0.575
	41.1	4.321	0.796
12	31	3.67	0.370
	35.0	3.767	0.467
	37.0	3.600	0.600
	40.0	3.890	0.590
	45.0	4.012	0.712
	50.0	4.135	0.835
13	31.8	4.000	0.375



MC Channels (Ship & Car)

ASTM A36 / A572

Nominal Size In.	Weight Per Foot Lbs.	Flange Width In. (b)	Web Thickness In. (tw)
	35.0	4.072	0.447
	40.0	4.185	0.560
	50.0	4.412	0.787
18	42.7	3.950	0.450
	45.8	4.000	0.500
	51.9	4.100	0.600
	58.0	4.200	0.700



MC Channels (Stair)

ASTM A36 / ASME SA36

Nominal Size In.	Weight Per Foot Lbs.	Flange Width In. (b)	Web Thickness In. (tw)
10	8.4	1.500	0.170
12	10.6	1.500	0.1875

