

A-1-A Steel

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BARS HOT ROLLED

ANGLES			
Size	Wt./Fl.	Size	Wt./Fl.
1/2 x 1/2 x 1/8	.38	2 x 2 x 1/8	1.65
5/8 x 5/8 x 1/8	.48	2 x 2 x 3/16	2.44
3/4 x 3/4 x 1/8	.59	2 x 2 x 1/4	3.19
1 x 1 x 1/8	.80	2 x 2 x 5/16	3.92
1 x 1 x 3/16	1.16	2 x 2 x 3/8	4.70
1 x 1 x 1/4	1.49	2-1/2 x 1-1/2 x 3/16	2.44
1-1/4 x 1-1/4 x 1/8	1.01	2-1/2 x 1-1/2 x 1/4	3.19
1-1/4 x 1-1/4 x 3/16	1.48	2-1/2 x 1-1/2 x 5/16	3.92
1-1/4 x 1-1/4 x 1/4	1.92	2-1/2 x 2 x 3/16	2.75
1-1/2 x 1-1/2 x 1/8	1.23	2-1/2 x 2 x 1/4	3.62
1-1/2 x 1-1/2 x 3/16	1.80	2-1/2 x 2 x 5/16	4.50
1-1/2 x 1-1/2 x 1/4	2.34	2-1/2 x 2 x 3/8	5.30
1-3/4 x 1-3/4 x 1/8	1.44	2-1/2 x 2 x 1/2 x 1/4	3.07
1-3/4 x 1-3/4 x 3/16	2.12	2-1/2 x 2-1/2 x 1/4	4.10
1-3/4 x 1-3/4 x 1/4	2.77	2-1/2 x 2-1/2 x 5/16	5.00
2 x 1-1/4 x 3/16	1.96	2-1/2 x 2-1/2 x 3/8	5.90
2 x 1-1/4 x 1/4	2.55	2-1/2 x 2-1/2 x 1/2	7.70
2 x 1-1/2 x 1/8	1.44		
2 x 1-1/2 x 3/16	2.12		
2 x 1-1/2 x 1/4	2.77		

CHANNELS			
Size	Wt./Fl.	Size	Wt./Fl.
1 x 3/8 x 1/8	.83	1-3/4 x 1/2 x 3/16	1.55
1 x 1/2 x 1/8	.83	2 x 1/2 x 1/8	1.34
1-1/4 x 1/2 x 1/8	1.01	2 x 9/16 x 3/16	1.76
1-1/2 x 1/2 x 1/8	1.12	2 x 5/8 x 1/4	2.18
1-1/2 x 9/16 x 3/16	1.44	2 x 1 x 1/8	1.78
1-1/2 x 3/4 x 1/8	1.77	2 x 1 x 3/16	2.27
1-1/2 x 1-1/2 x 3/16	2.65	2-1/2 x 5/8 x 3/16	2.27

TEES			
Flange, Inches	Stem, Inches	Thickness	Wt./Fl.
1-1/2	1-1/2	3/16	1.90
1-1/2	1-1/2	1/4	2.43
1-3/4	1-3/4	3/16	2.26
1-3/4	1-3/4	1/4	2.90
2	2	1/4	3.10
2	2	1/4	3.62
2	2	5/16	4.30
2-1/4	2-1/4	1/4	4.10
2-1/2	2-1/2	1/4	4.80
2-1/2	2-1/2	5/16	5.50
2-1/2	2-1/2	3/8	6.40

ROUNDS			
Size in Inches	Wt./Fl.	Size in Inches	Wt./Fl.
3/16	0.094		
1/4	0.167		
5/16	0.261	1-1/8	2.67
3/8	0.376	1-3/16	3.77
7/16	0.511	1-1/4	4.17
1/2	0.688	1-3/8	5.05
9/16	0.845	1-7/16	5.52
5/8	1.04	1-1/2	6.01
11/16	1.26	1-5/8	7.05
3/4	1.50	1-3/4	8.18
13/16	1.76	1-7/8	9.38
7/8	2.04	2	10.68
15/16	2.35	3	24.03

SQUARES			
Size in Inches	Wt./Fl.	Size in Inches	Wt./Fl.
3/8	0.478	1-5/8	8.98
7/16	0.651	1-3/4	10.41
1/2	0.850	1-7/8	11.95
9/16	1.08	2	13.60
5/8	1.33	2-1/4	17.21
11/16	1.61	2-1/2	21.25
3/4	1.91	2-3/4	25.71
7/8	2.60	3	30.60
1	3.40	3-1/4	35.91
1-1/8	4.30	3-1/2	41.65
1-1/4	5.31	3-3/4	47.81
1-3/8	6.43	4	54.40

HOT ROLLED SHEETS

FLATS			
Size in inches 3/16 and lighter - See Hot Rolled Strip.			
Size in Inches	Wt./Fl.	Size in Inches	Wt./Fl.
1/4X		4-1/4	3.61
3/8	0.319	4-1/2	3.83
1/2	0.425	5-1/2	4.68
5/8	0.531	6	5.10
3/4	0.638	7	5.95
7/8	0.744	8	6.80
1	0.850		
1-1/8	0.956		
1-1/4	1.06		
1-3/8	1.17		
1-1/2	1.28		
1-5/8	1.38		
1-3/4	1.49		
2	1.70		
2-1/4	1.91		
2-1/2	2.13		
2-3/4	2.34		
3	2.55		
3-1/4	2.76		
3-1/2	2.98		
3-3/4	3.19		
4	3.40		

FLATS (Cont'd)			
Size	Wt./Fl.	Size	Wt./Fl.
2	2.55	1-3/4	3.72
2-1/4	2.87	2	4.25
2-1/2	3.19	2-1/4	4.78
2-3/4	3.51	2-1/2	5.31
3	3.83	2-3/4	5.94
3-1/4	4.14	3	6.38
3-1/2	4.46	3-1/4	6.91
4	5.10	3-1/2	7.44
4-1/2	5.74	4	8.50
5	6.38	4-1/2	9.56
5-1/2	7.01	5	10.53
6	7.65	5-1/2	11.69
7	8.93	6	12.75
8	10.20	7	14.88
9	11.48	8	17.00
10	12.75		
11	14.03		
12	15.30		
13	16.57		
14	17.85		
15	19.12		
16	20.40		
17	21.67		
18	22.95		
19	24.22		
20	25.50		
21	26.77		
22	28.05		
23	29.32		
24	30.60		
25	31.87		
26	33.15		
27	34.42		
28	35.70		
29	36.97		
30	38.25		
31	39.52		
32	40.80		

CHANNELS (Cont'd)			
Size	Wt./Fl.	Size	Wt./Fl.
1-1/8	45.9	3-3/4	153.0
1-3/16	48.45	4	163.2
1-1/4	51.0		

FLOOR PLATE			
Thickness	Wt./Sq. Ft.	Thickness	Wt./Sq. Ft.
16 ga.	3.00	1/4"	11.25
14 ga.	3.75	5/16"	13.80
12 ga.	5.25	3/8"	16.35
18"	6.15	1/2"	21.45
3/16"	8.70		

UNIVERSAL MILL			
Size in Inches	Wt./Fl.	Size in Inches	Wt./Fl.
1/4X10	8.5	1-1/2X10	17.0
11	9.35	12	20.4
11-1/2	9.775	5/8X10	21.25
12	10.2	12	25.5
12-1/2	12.75	14	29.75
12	15.3	3/4X10	25.5
14	17.85	12	30.6
		10X10	34.0
		12	40.8

STRUCTURALS A.S.T.M. A-36			
ANGLES			
Size	Wt./Fl.	Size	Wt./Fl.
3x2x3/16	3.07	5x3-1/2x1/4	7.0
1/4	4.1	5/16	8.7
5/16	5.0	3/8	10.4
3/8	5.9	1/2	13.6
1/2	7.7	5/8	16.8
		3/4	19.8
3x2-1/2x1/4	4.5		
5/16	5.6	5x5x5/16	10.3
3/8	6.6	3/8	12.3
1/2	8.5	1/2	16.2
		3/4	23.6
3x3x3/16	3.71	3-1/2	23.80
1/4	4.9	4	27.20
5/16	6.1	4-1/2	30.60
3/8	7.2	5-1/2	34.00
1/2	9.4	3/8	11.8
		1/2	15.3
3-1/2x2-1/2x1/4	4.9		
5/16	6.1	6x4x1/4	8.3
3/8	7.2	5/16	10.3
1/2	9.4	3/8	12.3
		1/2	16.2
3-1/2x3-1/2x1/4	5.4	5/8	20.0
5/16	6.6	3/4	23.6
3/8	7.9	7/8	27.2
1/2	10.2		
3-1/2x3-1/2x1/4	5.8	3/8	14.9
5/16	7.2	1/2	19.6
3/8	8.5	5/8	24.2
1/2	11.1	3/4	28.7
		7/8	33.1
4x3x1/4	5.8	1	37.4
5/16	7.2		
3/8	8.5	7x4x3/8	13.6
1/2	11.1	3	17.9
		5/8	22.1
4x3-1/2x1/4	6.2	8x4x1/2	19.6
5/16	7.7	5	24.2
3/8	9.1	3/4	28.7
1/2	11.9	1	37.4
4x4x1/4	6.6	8x6x1/2	23.0
5/16	8.2	5/8	28.5
3/8	9.8	3/4	33.8
1/2	12.8	1	44.2
5x3x1/4	6.6	8x8x1/2	26.4
5/16	8.2	5/8	32.7
3/8	9.8	3/4	38.9
1/2	12.8	1	51.0

STANDARD CHANNELS			
Depth of Channel	Wt./Fl.	Thickness of Web	Flange Width/Inches
3	4.1	0.170	1.410
4	5.0	0.258	1.498
5	6.0	0.356	1.686
6	7.0	0.454	1.874
7	8.0	0.552	2.062
8	9.0	0.650	2.250
9	10.0	0.748	2.438
10	11.0	0.846	2.626
11	12.0	0.944	2.814
12	13.0	1.042	3.002
13	14.0	1.140	3.190
14	15.0	1.238	3.378
15	16.0	1.336	3.566
16	17.0	1.434	3.754
17	18.0	1.532	3.942
18	19.0	1.630	4.130
19	20.0	1.728	4.318
20	21.0	1.826	4.506
21	22.0	1.924	4.694
22	23.0	2.022	4.882
23	24.0	2.120	5.070
24	25.0	2.218	5.258
25	26.0	2.316	5.446
26	27.0	2.414	5.634
27	28.0	2.512	5.822
28	29.0	2.610	6.010
29	30.0	2.708	6.198
30	31.0	2.806	6.386
31	32.0	2.904	6.574
32	33.0	3.002	6.762
33	34.0	3.100	6.950
34	35.0	3.198	7.138
35	36.0	3.296	7.326
36	37.0	3.394	7.514
37	38.0	3.492	7.702
38	39.0	3.590	7.890
39	40.0	3.688	8.078
40	41.0	3.786	8.266
41	42.0	3.884	8.454
42	43.0	3.982	8.642
43	44.0	4.080	8.830
44	45.0	4.178	9.018
45	46.0	4.276	9.206</