

**CONTRACTORS STEEL COMPANY  
STOCK BOOK AND REFERENCE GUIDE  
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## **DETROIT**

36555 AMRHEIN ROAD  
LIVONIA, MI 48150  
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## **EAST CHICAGO**

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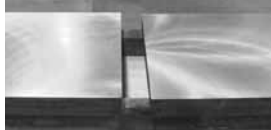
**PUNCH PRESS**



**TEE-SPLITTING**



**TUMBLING**



**BLANCHARD GRINDING**



**DRILLING**



**20 FOOT PRESS BREAK**

# Hot Rolled Rounds

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
3/16	.094	1.88	4	42.73	854.60
1/4	.167	3.34	4-1/4	48.23	964.60
5/16	.261	5.22	4-1/2	54.08	1081.60
3/8	.376	7.52	4-5/8	57.12	1142.40
1/2	.668	13.36	4-3/4	60.25	1205.00
5/8	1.04	20.80			
3/4	1.50	30.00	5	66.76	1335.20
7/8	2.04	40.80	5-1/4	73.60	1472.00
			5-1/2	80.78	1615.60
			5-3/4	88.29	1765.80
1	2.67	53.40	6	96.13	1922.60
1-1/8	3.38	67.60	6-1/4	104.3	2086.00
1-1/4	4.17	83.40	6-1/2	112.8	2256.00
1-3/8	5.05	101.00	6-3/4	121.7	2434.00
1-1/2	6.01	120.20			
1-5/8	7.05	141.00	7	130.9	2618.00
1-3/4	8.18	163.60	7-1/4	140.4	2808.00
1-7/8	9.39	187.80	7-1/2	150.2	3004.00
			7-3/4	160.4	3208.00
			8	170.9	3418.00
			8-1/4	181.8	3636.00
2	10.68	213.60	8-1/2	192.9	3858.00
2-1/4	13.52	270.40	8-3/4	204.5	4090.00
2-3/8	15.06	301.20			
2-1/2	16.69	333.80	9	216.3	4326.00
2-5/8	18.40	368.00	9-1/4	228.5	4570.00
2-3/4	20.19	403.80	9-1/2	241.0	4820.00
			10	267.0	5340.00
			10-1/2	294.4	5888.00
3	24.03	480.60			
3-1/4	28.21	564.20	11	323.1	6462.00
3-1/2	32.71	654.20			
3-3/4	37.55	751.00	12	384.5	7690.00

**Call us on all your requirements.  
New items arriving daily.  
No order too large or too small.**

# Hot Rolled Squares

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
1/4	.213	4.26	2	13.60	272.00
3/8	.478	9.56	2-1/4	17.21	344.20
7/16	.651	13.02	2-1/2	21.25	425.00
1/2	.850	17.00	2-3/4	25.71	514.20
9/16	1.08	21.60	3	30.60	612.00
5/8	1.33	26.60	3-1/4	35.91	718.20
11/16	1.61	32.20	3-1/2	41.65	833.00
3/4	1.91	38.20	3-3/4	47.81	956.20
7/8	2.60	52.00			
1	3.40	68.00			
1-1/8	4.30	86.00	4	54.40	1088.00
1-1/4	5.31	106.20	4-1/2	68.85	1377.00
1-3/8	6.43	128.60			
1-1/2	7.65	153.00	5	85.00	1700.00
1-5/8	8.98	179.60			
1-3/4	10.41	208.20			
1-7/8	11.95	239.00	6	122.40	2448.00

# Hot Rolled Strip

Size	Wt. Per Ft.	Wt. For 16' Length	Size	Wt. Per Ft.	Wt. For 16' Length
1/8 x 3/8	.159	2.54	1/8 x 3	1.28	20.48
x 1/2	.213	3.41	x 3-1/4	1.38	22.08
x 5/8	.266	4.26	x 3-1/2	1.49	23.84
x 3/4	.319	5.10	x 4	1.70	27.20
x 7/8	.372	5.95	x 4-1/2	1.91	30.56
x 1	.425	6.80	x 5	2.13	34.08
x 1-1/8	.478	7.65	x 5-1/2	2.34	37.44
x 1-1/4	.531	8.50	x 6	2.55	40.80
x 1-3/8	.584	9.34	x 7	2.98	47.68
x 1-1/2	.638	10.21	x 8	3.40	54.40
x 1-3/4	.744	11.90	x 9	3.83	61.28
x 2	.850	13.60	x 10	4.25	68.00
x 2-1/4	.956	15.30	x 12	5.10	81.60
x 2-1/2	1.06	16.96			
x 2-3/4	1.17	18.72			

## Hot Rolled Strip (Cont'd)

Size	Wt. Per Ft.	Wt. For 16' Length	Size	Wt. Per Ft.	Wt. For 16' Length
3/16 x 1/2	.319	5.10	3/16 x 3	1.91	30.56
x 5/8	.398	6.37	x 3-1/4	2.07	33.12
x 3/4	.478	7.65	x 3-1/2	2.23	35.68
x 7/8	.558	8.93	x 4	2.55	40.80
x 1	.638	10.21	x 4-1/2	2.87	45.92
x 1-1/8	.717	11.47	x 5	3.19	51.04
x 1-1/4	.797	12.75	x 5-1/2	3.51	56.16
x 1-3/8	.877	14.03	x 6	3.83	61.28
x 1-1/2	.956	15.30	x 7	4.46	71.36
x 1-3/4	1.12	17.92	x 8	5.10	81.60
x 2	1.28	20.48	x 9	5.74	91.84
x 2-1/4	1.43	22.88	x 10	6.38	102.08
x 2-1/2	1.59	25.44	x 12	7.65	122.40

## Hot Rolled Flats

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
1/4 x 3/8	.319	6.38	1/4 x 3	2.55	51.00
x 1/2	.425	8.50	x 3-1/4	2.76	55.20
x 5/8	.531	10.62	x 3-1/2	2.98	59.60
x 3/4	.638	12.76	x 3-3/4	3.19	63.80
x 7/8	.744	14.88	x 4	3.40	68.00
x 1	.850	17.00	x 4-1/4	3.61	72.20
x 1-1/8	.956	19.12	x 4-1/2	3.83	76.60
x 1-1/4	1.06	21.20	x 5	4.25	85.00
x 1-3/8	1.17	23.40	x 5-1/2	4.68	93.60
x 1-1/2	1.28	25.60	x 6	5.10	102.00
x 1-5/8	1.38	27.60	x 7	5.95	119.00
x 1-3/4	1.49	29.80	x 7-1/2	6.38	127.60
x 2	1.70	34.00	x 8	6.80	136.00
x 2-1/4	1.91	38.20	9UM	7.66	153.20
x 2-1/2	2.13	42.60	10UM	8.51	170.20
x 2-3/4	2.34	46.80	11UM	9.36	187.20
			11-1/2UM	9.78	195.60
			12UM	10.21	204.20

## Hot Rolled Flats (Cont'd)

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
5/16 x 1/2	0.531	10.62	3/8 x 2	2.55	51.00
x 5/8	0.664	13.28	x 2-1/4	2.87	57.40
x 3/4	0.797	15.94	x 2-1/2	3.19	63.80
x 7/8	0.930	18.60	x 2-3/4	3.51	70.20
x 1	1.06	21.20	x 3	3.83	76.60
x 1-1/8	1.20	24.00	x 3-1/4	4.15	83.00
x 1-1/4	1.33	26.60	x 3-1/2	4.47	89.40
x 1-3/8	1.46	29.20	x 4	5.10	102.00
x 1-1/2	1.59	31.80	x 4-1/2	5.74	114.80
x 1-3/4	1.86	37.20	x 5	6.38	127.60
x 2	2.13	42.60	x 5-1/2	7.02	140.40
x 2-1/4	2.39	47.80	x 6	7.66	153.20
x 2-1/2	2.66	53.20	x 7	8.93	178.60
x 2-3/4	2.92	58.40	x 8	10.21	204.20
x 3	3.19	63.80	9UM	11.49	229.80
x 3-1/4	3.45	69.00	10UM	12.76	255.20
x 3-1/2	3.72	74.40	11UM	14.04	280.80
x 4	4.25	85.00	12UM	15.31	306.20
x 4-1/2	4.78	95.60			
x 5	5.31	106.20	1/2 x 5/8	1.06	21.20
x 5-1/2	5.84	116.80	x 3/4	1.28	25.60
x 6	6.38	127.60	x 1	1.70	34.00
x 7	7.44	148.80	x 1-1/4	2.13	42.60
x 8	8.50	170.00	x 1-3/8	2.34	46.80
9UM	9.57	191.40	x 1-1/2	2.55	51.00
10UM	10.64	212.80	x 1-3/4	2.98	59.60
12UM	12.76	255.20	x 2	3.40	68.00
			x 2-1/4	3.83	76.60
			x 2-1/2	4.25	85.00
			x 2-3/4	4.68	93.60
			x 3	5.10	102.00
			x 3-1/4	5.53	110.60
3/8 x 1/2	0.638	12.76	x 3-1/2	5.96	119.20
x 5/8	0.797	15.94	x 3-3/4	6.38	127.60
x 3/4	0.956	19.12	x 4	6.81	136.20
x 7/8	1.12	22.40	x 4-1/2	7.66	153.20
x 1	1.28	25.60	x 5	8.51	170.20
x 1-1/8	1.44	28.80	x 5-1/2	9.36	187.20
x 1-1/4	1.60	32.00	x 6	10.21	204.20
x 1-3/8	1.75	35.00	x 7	11.91	238.20
x 1-1/2	1.91	38.20	x 8	13.61	272.20
x 1-5/8	2.07	41.40	9UM	15.31	306.20
x 1-3/4	2.23	44.60	10UM	17.02	340.40
			12UM	20.42	408.40

## Hot Rolled Flats (Cont'd)

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
5/8 x 3/4	1.60	32.00	3/4 x 4	10.21	204.20
x 7/8	1.86	37.20	x 4-1/2	11.49	229.80
x 1	2.13	42.60	x 5	12.76	255.20
x 1-1/4	2.66	53.20	x 5-1/2	14.04	280.80
x 1-3/8	2.92	58.40	x 6	15.31	306.20
x 1-1/2	3.19	63.80	x 7	17.87	357.40
x 1-5/8	3.46	69.20	x 8	20.42	408.40
x 1-3/4	3.72	74.40	9UM	22.97	459.40
x 2	4.25	85.00	10UM	25.52	510.40
x 2-1/4	4.79	95.80	12UM	30.63	612.60
x 2-1/2	5.32	106.40			
x 2-3/4	5.85	117.00	7/8 x 1	2.98	59.60
x 3	6.38	127.60	x 1-1/4	3.72	74.40
x 3-1/4	6.91	138.20	x 1-3/8	4.09	81.80
x 3-1/2	7.44	148.80	x 1-1/2	4.46	89.20
x 4	8.51	170.20	x 1-3/4	5.21	104.20
x 4-1/2	9.57	191.40	x 2	5.95	119.00
x 5	10.64	212.80	x 2-1/4	6.69	133.80
x 5-1/2	11.70	234.00	x 2-1/2	7.44	148.80
x 6	12.76	255.20	x 3	8.93	178.60
x 7	14.89	297.80	x 3-1/2	10.41	208.20
x 8	17.02	340.40	x 4	11.90	238.00
9UM	19.14	382.80	x 4-1/2	13.39	267.80
10UM	21.27	425.40	x 5	14.88	297.60
12UM	25.52	510.40	x 5-1/2	16.36	327.20
			x 6	17.85	357.00
			x 7	20.83	416.60
			x 8	23.80	476.00
3/4 x 7/8	2.23	44.60	10UM	29.78	595.60
x 1	2.55	51.00	12UM	35.73	714.60
x 1-1/8	2.87	57.40			
x 1-1/4	3.19	63.80	1 x 1-1/4	4.25	85.00
x 1-1/2	3.83	76.60	x 1-1/2	5.10	102.00
x 1-5/8	4.15	83.00	x 1-3/4	5.95	119.00
x 1-3/4	4.47	89.40	x 2	6.80	136.00
x 2	5.10	102.00	x 2-1/4	7.65	153.00
x 2-1/4	5.74	114.80	x 2-1/2	8.50	170.00
x 2-1/2	6.38	127.60	x 2-3/4	9.35	187.00
x 2-3/4	7.02	140.40	x 3	10.20	204.00
x 3	7.66	153.20	x 3-1/4	11.05	221.00
x 3-1/4	8.30	166.00	x 3-1/2	11.90	238.00
x 3-1/2	8.93	178.60	x 4	13.60	272.00
			x 4-1/2	15.30	306.00

## Hot Rolled Flats (Cont'd)

Size	Wt. Per Ft.	Wt. For 20' Length	Size	Wt. Per Ft.	Wt. For 20' Length
1 x 5	17.00	340.00	1-1/2 x 4	20.40	408.00
x 5-1/2	18.70	374.00	x 4-1/2	22.95	459.00
x 6	20.40	408.00	x 5	25.50	510.00
x 7	23.80	476.00	x 5-1/2	28.05	561.00
x 8	27.20	544.00	x 6	30.60	612.00
9UM	30.63	612.60	x 7	35.70	714.00
10UM	34.03	680.60	x 8	40.80	816.00
11 UM	37.44	748.80			
12UM	40.84	816.80	1-3/4 x 2	11.90	238.00
			x 2-1 /2	14.88	297.60
1-1/8 x 2	7.65	153.00	x 2-3/4	16.36	327.20
x 2-1/2	9.56	191.20	x 3	17.85	357.00
x 3	11.48	229.60	x 3-1/2	20.83	416.60
x 3-1/2	13.39	267.80	x 4	23.80	476.00
x 4	15.30	306.00	x 4-1/2	26.78	535.60
x 5	19.13	382.60	x 5	29.75	595.00
x 6	22.95	459.00	x 5-1/2	32.73	654.60
			x 6	35.70	714.00
1-1/4 x 1-1/2	6.38	127.60			
x 1-3/4	7.44	148.80	2 x 2-1/4	15.30	306.00
x 2	8.50	170.00	x 2-1/2	17.00	340.00
x 2-1/4	9.56	191.20	x 3	20.40	408.00
x 2-1/2	10.63	212.60	x 3-1/2	23.80	476.00
x 2-3/4	11.69	233.80	x 4	27.20	544.00
x 3	12.75	255.00	x 4-1/2	30.60	612.00
x 3-1/4	13.81	276.20	x 5	34.00	680.00
x 3-1/2	14.88	297.60	x 5-1/2	37.40	748.00
x 4	17.00	340.00	x 6	40.80	816.00
x 4-1/2	19.13	382.60	x 7	47.60	952.00
x 5	21.25	425.00	x 8	54.40	1088.00
x 5-1/2	23.38	467.60			
x 6	25.50	510.00	2-1/2 x 3	25.50	510.00
x 7	29.75	595.00	x 3-1/2	29.75	595.00
x 8	34.00	680.00	x 4	34.00	680.00
			x 4-1/2	38.25	765.00
1-1/2 x 1-3/4	8.93	178.60	x 5	42.50	850.00
x 2	10.20	204.00	x 6	51.00	1020.00
x 2-1/4	11.48	229.60			
x 2-1/2	12.75	255.00	3 x 4	40.80	816.00
x 2-3/4	14.03	280.60	x 4-1/2	45.90	918.00
x 3	15.30	306.00	x 5	51.00	1020.00
x 3-1/2	17.85	357.00	x 6	61.20	1224.00



# Cold Finished Rounds – 1018

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
1/8	.042	.504	1-3/4	8.178	98.14
5/32	.065	.780	1-13/16	8.773	105.28
3/16	.094	1.13	1-7/8	9.388	112.66
7/32	.128	1.54	1-15/16	10.024	120.29
1/4	.167	2.00	2	10.68	128.16
17/64	.188	2.26	2-1/16	11.36	136.32
9/32	.211	2.53	2-1/8	12.06	144.72
5/16	.261	3.13	2-3/16	12.78	153.36
21/64	.288	3.46	2-1/4	13.52	162.24
11/32	.316	3.79	2-5/16	14.28	171.36
3/8	.376	4.51	2-3/8	15.06	180.72
25/64	.408	4.90	2-7/16	15.87	190.44
13/32	.441	5.29	2-1/2	16.69	200.28
7/16	.511	6.13	2-9/16	17.53	210.36
15/32	.587	7.04	2-5/8	18.40	220.80
1/2	.668	8.02	2-11/16	19.29	231.48
33/64	.710	8.52	2-3/4	20.19	242.28
17/32	.754	9.05	2-13/16	21.12	253.44
9/16	.845	10.14	2-7/8	22.07	264.84
19/32	.941	11.29	2-15/16	23.04	276.48
5/8	1.043	12.52	3	24.03	288.36
41/64	1.096	13.15	3-1/16	25.05	300.60
11/16	1.262	15.14	3-1/8	26.08	312.96
23/32	1.380	16.56	3-3/16	27.13	325.56
3/4	1.502	18.02	3-1/4	28.21	338.52
49/64	1.565	18.78	3-5/16	29.30	351.60
25/32	1.630	19.56	3-3/8	30.42	365.04
13/16	1.763	21.16	3-7/16	31.55	378.60
27/32	1.901	22.81	3-1/2	32.71	392.52
7/8	2.045	24.54	3-9/16	33.89	406.68
57/64	2.118	25.42	3-5/8	35.09	421.08
29/32	2.193	26.32	3-11/16	36.31	435.72
15/16	2.347	28.16	3-3/4	37.55	450.60
1	2.670	32.04	3-7/8	40.10	481.20
1-1/16	3.015	36.18	3-15/16	41.40	496.80
1-1/8	3.380	40.56	4	42.73	512.76
1-3/16	3.766	45.19	4-1/8	45.44	545.28
1-1/4	4.172	50.06	4-3/16	46.83	561.96
1-5/16	4.600	55.20	4-1/4	48.23	578.76
1-3/8	5.049	60.59	4-3/8	51.11	613.32
1-7/16	5.518	66.22	4-7/16	52.58	630.96
1-1/2	6.008	72.10	4-1/2	54.08	648.96
1-9/16	6.519	78.23	4-9/16	55.59	667.08
1-5/8	7.051	84.61	4-5/8	57.12	685.44
1-11/16	7.604	91.25	4-3/4	60.25	723.00

## Cold Finished Rounds – 1018 (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
4-7/8	63.46	761.52	6	96.13	1153.56
4-15/16	65.10	781.20	6-1/8	100.18	1202.16
5	66.76	801.12	6-1/4	104.31	1251.72
5-1/8	70.14	841.68	6-1/2	112.82	1353.84
5-1/4	73.60	883.20	6-3/4	121.67	1460.04
5-3/8	77.15	925.80	7	130.85	1570.20
5-7/16	78.95	947.40	7-1/4	140.36	1684.32
5-1/2	80.78	969.36	7-1/2	150.21	1802.52
5-5/8	84.49	1013.88	8	170.90	2050.80
5-3/4	88.29	1059.48	8-1/2	192.93	2315.16
5-7/8	92.17	1106.04	9	216.30	2595.60
5-15/16	94.14	1129.68	10	267.00	3204.00
			12	384.53	4614.36

## Cold Finished Rounds – 1045

Size	Wt. Per Ft. Lbs.	Wt. For 20' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 20' Bar
3/4	1.502	30.04	1-7/16	5.518	110.36
13/16	1.763	35.26	1-1/2	6.008	120.16
7/8	2.045	40.90	1-9/16	6.519	130.38
15/16	2.347	46.94	1-5/8	7.051	141.02
1	2.67	53.40	1-11/16	7.604	152.08
1-1/16	3.015	60.30	1-3/4	8.178	163.56
1-1/8	3.38	67.60	1-13/16	8.773	175.46
1-3/16	3.766	75.32	1-7/8	9.388	187.76
1-1/4	4.172	83.44	1-15/16	10.024	200.48
1-5/16	4.600	92.00	2	10.68	213.60
1-3/8	5.049	100.98			

## Cold Finished Squares

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
1/8	.053	.636	9/32	.269	3.23
5/32	.083	1.0	5/16	.332	3.98
3/16	.120	1.44	11/32	.402	4.82
7/32	.163	1.96	3/8	.478	5.74
1/4	.213	2.56	7/16	.651	7.81

## Cold Finished Squares (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
1/2	.850	10.20	1-3/4	10.419	125.03
9/16	1.076	12.91	1-7/8	11.95	143.40
5/8	1.329	15.95	2	13.60	163.20
11/16	1.608	19.30	2-1/8	15.35	184.20
3/4	1.914	22.97	2-1/4	17.22	206.64
13/16	2.246	26.95	2-3/8	19.18	230.16
7/8	2.605	31.26	2-1/2	21.26	255.12
15/16	2.990	35.88	2-5/8	23.43	281.16
1	3.402	40.82	2-3/4	25.73	308.76
1-1/16	3.841	46.09	2-7/8	28.10	337.20
1-1/8	4.306	51.67	3	30.60	367.20
1-3/16	4.798	57.58	3-1/4	35.91	430.92
1-1/4	5.316	63.79	3-1/2	41.65	499.80
1-5/16	5.861	70.33	3-3/4	47.81	573.72
1-3/8	6.432	77.18	4	54.40	625.80
1-7/16	7.030	84.36	4-1/2	68.85	826.20
1-1/2	7.655	91.86	5	85.00	1020.00
1-9/16	8.306	99.67	5-1/2	102.85	1234.20
1-5/8	8.984	107.81	6	122.40	1468.80

## Cold Finished Flats

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
1/8 x			1/8 x 3	1.28	15.30
3/16	.080	.96	3 1/2	1.49	17.86
1/4	.106	1.27	3 3/4	1.59	19.13
5/16	.133	1.60	4	1.70	20.40
3/8	.159	1.91	4 1/2	1.91	22.96
7/16	.186	2.23	5	2.13	25.50
1/2	.213	2.56	6	2.55	30.60
9/16	.239	2.87			
5/8	.266	3.19	3/16 x 1/4	.159	1.91
11/16	.292	3.52	5/16	.199	2.39
3/4	.319	3.83	3/8	.239	2.87
7/8	.372	4.46	1/2	.319	3.83
1	.425	5.10	9/16	.359	4.31
1-1/8	.478	5.74	5/8	.398	4.78
1-1/4	.531	6.37	3/4	.478	5.74
1-3/8	.584	7.01	7/8	.558	6.70
1-1/2	.638	7.66	1	.638	7.66
1-3/4	.744	8.93	1-1/8	.717	8.60
2	.850	10.20	1-1/4	.797	9.56
2-1/4	.956	11.47	1-3/8	.877	10.52
2-1/2	1.06	12.76	1-1/2	.956	11.47
2-3/4	1.17	14.03	1-3/4	1.12	13.39

## Cold Finished Flats (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar		
3/16 x	1-7/8	1.20	14.34	1/4 x 10	8.500	102.00	
	2	1.28	15.30		11	9.350	112.20
	2-1/4	1.43	17.21		12	10.200	122.40
	2-1/2	1.59	19.13	5/16 x	3/8	.398	4.78
	2-3/4	1.75	21.04		7/16	.465	5.58
	3	1.91	22.96		1/2	.531	6.37
	3-1/4	2.07	24.86		9/16	.598	7.18
	3-1/2	2.23	26.77		5/8	.664	7.97
	3-3/4	2.39	28.68		3/4	.797	9.56
	4	2.55	30.60		7/8	.930	11.16
4-1/2	2.87	34.42	1		1.063	12.76	
5	3.19	38.26	1-1/8		1.195	14.34	
6	3.83	45.90	1-1/4		1.328	15.94	
1/4 x	8	5.10	61.20	1-3/8	1.461	17.53	
	10	6.38	76.50	1-1/2	1.594	19.13	
	5/16	.266	3.19	1-3/4	1.859	22.31	
	3/8	.319	3.83	2	2.125	25.50	
	7/16	.372	4.46	2-1/4	2.391	28.69	
	1/2	.425	5.10	2-1/2	2.656	31.87	
	9/16	.478	5.74	2-3/4	2.922	35.06	
	5/8	.531	6.37	3	3.188	38.26	
	11/16	.584	7.01	3-1/4	3.453	41.45	
	3/4	.638	7.66	3-1/2	3.719	44.63	
7/8	.744	8.93	4	4.250	51.00		
1	.850	10.20	4-1/2	4.781	57.37		
1-1/8	.956	11.47	5	5.313	63.76		
1-1/4	1.063	12.76	6	6.375	76.50		
1-3/8	1.169	14.03	7	7.438	89.26		
1-1/2	1.275	15.30	8	8.500	102.00		
1-5/8	1.381	16.57	10	10.625	127.50		
1-3/4	1.49	17.88	12	12.75	153.00		
2	1.700	20.40	3/8 x	7/16	.558	6.70	
2-1/4	1.913	22.96		1/2	.638	7.66	
2-1/2	2.125	25.50		5/8	.797	9.56	
2-3/4	2.338	28.06		11/16	.877	10.52	
3	2.550	30.60		3/4	.956	11.47	
3-1/4	2.763	33.12		7/8	1.116	13.39	
3-1/2	2.975	35.70		1	1.275	15.30	
3-3/4	3.188	38.26		1-1/4	1.594	19.13	
4	3.4	40.80		1-3/8	1.753	21.04	
4-1/2	3.825	45.90		1-1/2	1.913	22.96	
4-3/4	4.038	48.46	1-5/8	2.072	24.86		
5	4.250	51.00	1-3/4	2.231	26.77		
5-1/2	4.675	56.10	1-7/8	2.391	28.69		
6	5.100	61.20					
6-1/2	5.525	66.30					
7	5.950	71.40					
8	6.800	81.60					
9	7.650	91.80					

## Cold Finished Flats (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
3/8 x 2	2.550	30.60	1/2 x 10	17.00	204.00
2-1/4	2.869	34.43	11	18.70	224.40
2-1/2	3.188	38.26	12	20.40	244.80
2-3/4	3.506	42.07	5/8 x		
3	3.825	45.90	3/4	1.59	19.13
3-1/4	4.144	49.73	7/8	1.86	22.31
3-1/2	4.463	53.56	1	2.13	25.50
3-3/4	4.781	57.37	1-1/8	2.39	28.69
4	5.100	61.20	1-1/4	2.66	31.87
4-1/2	5.738	68.86	1-1/2	3.19	38.20
5	6.375	76.50	1-5/8	3.45	41.44
5-1/2	7.013	84.16	1-3/4	3.72	44.63
6	7.650	91.80	2	4.25	51.00
7	8.925	107.10	2-1/4	4.78	57.37
8	10.200	122.40	2-1/2	5.31	63.76
9	11.480	137.76	2-3/4	5.84	70.13
10	12.750	153.00	3	6.38	76.50
11	14.030	168.36	3-1/4	6.91	82.87
12	15.300	183.60	3-1/2	7.44	89.26
1/2 x			3-3/4	7.97	95.63
5/8	1.063	12.76	4	8.50	102.00
3/4	1.275	15.30	4-1/2	9.56	114.76
7/8	1.486	17.86	5	10.63	127.50
1	1.70	20.40	5-1/2	11.69	140.26
1-1/4	2.13	25.50	6	12.75	153.00
1-3/8	2.34	28.06	7	14.88	178.50
1-1/2	2.55	30.60	8	17.00	204.00
1-5/8	2.76	33.16	9	19.13	229.56
1-3/4	2.98	35.70	10	21.25	255.00
2	3.40	40.80	11	23.38	280.56
2-1/4	3.83	45.90	12	25.50	306.00
2-1/2	4.25	51.00			
2-3/4	4.68	56.10	3/4 x		
3	5.10	61.20	7/8	2.23	26.77
3-1/4	5.53	66.30	1	2.55	30.60
3-1/2	5.95	71.40	1-1/8	2.87	34.43
3-3/4	6.38	76.58	1-1/4	3.19	38.26
4	6.80	81.60	1-1/2	3.83	45.90
4-1/4	7.23	86.76	1-5/8	4.14	49.73
4-1/2	7.65	91.80	1-3/4	4.46	53.56
4-3/4	8.08	96.96	2	5.10	61.20
5	8.50	102.00	2-1/4	5.74	68.86
5-1/2	9.35	112.20	2-1/2	6.38	76.50
5-3/4	9.78	117.36	2-3/4	7.01	84.16
6	10.20	122.40	3	7.65	91.80
7	11.90	142.80	3-1/4	8.29	99.46
8	13.60	163.20	3-1/2	8.93	107.10
9	15.30	183.60	3-3/4	9.56	114.72

## Cold Finished Flats (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
3/4 x 4	10.20	122.40	1 x 7	23.80	285.60
4-1/2	11.48	137.70	8	27.20	326.40
5	12.75	153.00	9	30.60	367.20
5-1/2	14.03	168.30	10	34.00	408.00
6	15.30	183.60	11	37.40	448.80
6-1/2	16.58	198.96	12	40.80	489.60
7	17.85	214.20	1-1/8 x		
8	20.40	244.80	1-1/4	4.78	57.37
9	22.95	275.40	1-3/8	5.26	63.11
10	25.50	306.00	1-1/2	5.74	68.86
11	28.05	336.60	1-5/8	6.22	74.59
12	30.60	367.20	1-3/4	6.69	80.33
7/8 x			2	7.65	91.80
1	2.98	35.70	2-1/4	8.61	103.27
1-1/8	3.35	40.16	2-1/2	9.56	114.76
1-1/4	3.72	44.63	3	11.48	137.70
1-3/8	4.09	49.09	4	15.30	183.60
1-1/2	4.46	53.56	1-1/4 x		
1-3/4	5.21	62.47	1-3/8	5.84	70.13
2	5.95	71.40	1-1/2	6.38	76.50
2-1/4	6.69	80.33	1-5/8	6.91	82.87
2-1/2	7.44	89.26	1-3/4	7.44	89.26
2-3/4	8.18	98.17	1-7/8	7.97	95.63
3	8.93	107.10	2	8.50	102.00
3-1/2	10.41	124.96	2-1/4	9.56	114.76
4	11.90	142.80	2-1/2	10.63	127.50
4-1/2	13.39	160.66	2-3/4	11.69	140.26
5	14.88	178.50	3	12.75	153.00
5-1/2	16.36	196.32	3-1/4	13.81	165.72
6	17.85	214.20	3-1/2	14.88	178.50
8	23.80	285.10	3-3/4	15.94	191.28
10	29.75	357.00	4	17.00	204.00
12	35.70	428.40	4-1/2	19.13	229.56
1 x			5	21.25	255.00
1-1/8	3.38	45.90	5-1/2	23.38	280.50
1-1/4	4.25	51.00	6	25.50	306.00
1-3/8	4.68	56.10	8	34.00	408.00
1-1/2	5.10	61.20	10	42.50	510.00
1-3/4	5.95	71.40	12	51.00	612.00
2	6.80	81.60	1-3/8 x		
2-1/4	7.65	91.80	1-1/2	7.01	84.16
2-1/2	8.50	102.00	2	9.35	112.20
2-3/4	9.35	112.20	3	14.03	168.30
3	10.20	122.40	1-1/2 x		
3-1/4	11.05	132.60	1-5/8	8.29	99.46
3-1/2	11.90	142.80	1-3/4	8.93	107.10
4	13.60	163.20	1-7/8	9.56	114.76
4-1/2	15.30	183.60	2	10.20	122.40
5	17.00	204.00	2-1/4	11.48	137.70
5-1/2	18.70	224.40	2-1/2	12.75	153.00
6	20.40	244.80	2-3/4	14.03	168.30

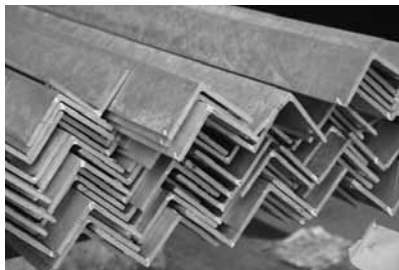
## Cold Finished Flats (Cont'd)

Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar	Size	Wt. Per Ft. Lbs.	Wt. For 12' Bar
1-1/2 x 3	15.30	183.60	2 x 4	27.20	326.40
3-1/4	16.58	198.96	4-1/2	30.60	367.20
3-1/2	17.85	214.20	5	34.00	408.00
4	20.40	244.80	6	40.80	489.60
4-1/2	22.95	275.40	8	54.40	652.80
5	25.50	306.00	10	68.00	816.00
5-1/2	28.05	336.60	12	81.60	979.20
6	30.60	367.20	2-1/4 x		
8	40.80	489.60	2-1/2	19.13	229.50
10	51.00	612.00	3	22.95	275.40
12	61.20	734.40	3-1/4	24.86	298.36
1-5/8 x			3-1/2	26.78	321.30
2	11.05	132.60	4	30.60	367.20
2-1/2	13.81	165.72	4-1/2	34.43	413.10
3	16.58	198.90	5	38.25	459.00
4	22.10	265.20	6	45.90	550.80
1-3/4 x			2-1/2 x		
2	11.90	142.80	2-3/4	23.38	280.56
2-1/4	13.39	106.66	3	25.50	306.00
2-1/2	14.88	178.50	3-1/2	29.76	357.00
2-3/4	16.36	196.36	4	34.00	408.00
3	17.85	214.20	4-1/2	38.25	459.00
3-1/2	20.83	249.90	5	42.50	510.00
3-3/4	22.31	267.12	6	51.00	612.00
4	23.80	285.60	8	68.00	816.0
4-1/2	26.78	321.30	10	85.00	1020.00
5	29.75	357.00	3 x		
5-1/2	32.73	392.76	3-1/2	35.70	428.40
6	35.70	428.40	4	40.80	489.60
2 x			5	51.00	612.00
2-1/4	15.30	183.60	6	61.20	734.40
2-1/2	17.00	204.00	8	81.60	979.20
2-3/4	18.70	224.40	10	102.00	1224.00
3	20.40	244.80	12	122.40	1468.80
3-1/2	23.80	285.60			

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**Angles available in up to 60 foot lengths.**





# Bar Size Angles

Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length	Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length				
1/2 x 1/2	1/8 .38	7.60	2 x 2	1/8	1.65	33.00			
				3/16	2.44	48.80			
3/4 x 3/4	1/8 .59	11.80	3/8	1/4	3.19	63.80			
				5/16	3.92	78.40			
1 x 1	1/8 .80	16.00	2-1/4 x 1-1/2	3/16	2.28	45.60			
							3/16	1.16	23.20
							1/4	1.49	29.80
1-1/4 x 1-1/4	1/8 1.01	20.20	2-1/2 x 1-1/2	3/16	2.44	48.80			
					1/4	3.19	63.80		
63.80	3/16 1.48	29.60	5/16	3.92	78.40				
						1/4	1.92	38.40	
						3/16	1.48	29.60	
1-1/2 x 1-1/4	3/16 1.64	32.80	2-1/2 x 2	3/16	2.75	55.00			
					1/4	3.62	72.40		
1-1/2 x 1-1/2	1/8 1.23	24.60	1/4	5/16	4.50	90.00			
					3/16	1.80	36.00		
					1/4	2.34	46.80		
1-3/4 x 1-1/4	1/8 1.23	24.60	2-1/2 x	3/16	3.07	61.40			
					3/16	1.80	36.00		
					1/4	2.34	46.80		
1-3/4 x 1-3/4	1/8 1.44	28.80	1/4	5/16	5.00	100.00			
					3/16	2.12	42.40		
					1/4	2.77	55.40		
2 x 1-1/4	3/16 1.96	39.20	1/2	7.70	154.00				
						1/4	2.55	51.00	
2 x 1-1/2	1/8 1.44	28.80	2 x 1-1/2	3/16	2.12	42.40			
							3/16	2.12	42.40
							1/4	2.77	55.40

# Structural Angles

Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length	Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length
3 x 2			4 x 3-1/2		
3/16	3.07	61.4	7/16	10.6	212.0
1/4	4.1	82.0	1/2	11.9	238.0
5/16	5.0	100.0	5/8	14.7	294.0
3/8	5.9	118.0			
1/2	7.7	154.0	4 x 4		
			1/4	6.6	132.0
3 x 2-1/2			5/16	8.2	164.0
1/4	4.5	90.0	3/8	9.8	196.0
5/16	5.6	112.0	7/16	11.3	226.0
3/8	6.6	132.0	1/2	12.8	256.0
1/2	8.5	170.0	5/8	15.7	314.0
			3/4	18.5	370.0
3 x 3					
3/16	3.71	74.2	5 x 3		
1/4	4.9	98.0	1/4	6.6	132.0
5/16	6.1	122.0	5/16	8.2	164.0
3/8	7.2	144.0	3/8	9.8	196.0
7/16	8.3	166.0	1/2	12.8	256.0
1/2	9.4	188.0			
			5 x 3-1/2		
3-1/2 x 2-1/2			1/4	7.0	140.0
1/4	4.9	98.0	5/16	8.7	174.0
5/16	6.1	122.0	3/8	10.4	208.0
3/8	7.2	144.0	7/16	12.0	240.0
1/2	9.4	188.0	1/2	13.6	272.0
			5/8	16.8	336.0
3-1/2 x 3			3/4	19.8	396.0
1/4	5.4	108.0			
5/16	6.6	132.0	5 x 5		
3/8	7.9	158.0	5/16	10.3	206.0
1/2	10.2	204.0	3/8	12.3	246.0
			1/2	16.2	324.0
3-1/2 x 3-1/2			5/8	20.0	400.0
1/4	5.8	116.0	3/4	23.6	472.0
5/16	7.2	144.0			
3/8	8.5	170.0	6 x 3-1/2		
7/16	9.8	196.0	5/16	9.8	196.0
1/2	11.1	222.0	3/8	11.7	234.0
			1/2	15.3	306.0
4 x 3					
1/4	5.8	116.0	6 x 4		
5/16	7.2	144.0	5/16	10.3	206.0
3/8	8.5	170.0	3/8	12.3	246.0
7/16	9.8	196.0	7/16	14.3	286.0
1/2	11.1	222.0	1/2	16.2	324.0
5/8	13.6	272.0	5/8	20.0	400.0
			3/4	23.6	472.0
4 x 3-1/2			7/8	27.2	544.0
1/4	6.2	124.0			
5/16	7.7	154.0			
3/8	9.1	182.0			

## Structural Angles (Cont'd)

Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length	Size in Inches	Wt. Per Ft. in Lbs.	Wt. For 20' Length
6 x 6			8 x 6		
5/16	12.4	248.0	1/2	23.0	460.0
3/8	14.9	298.0	5/8	28.5	570.0
1/2	19.6	392.0	3/4	33.8	676.0
5/8	24.2	484.0	1	44.2	884.0
3/4	28.7	574.0	8 x 8		
7/8	33.1	662.0	1/2	26.4	528.0
1	37.4	748.0	5/8	32.7	654.0
7 x 4			3/4	38.9	778.0
3/8	13.6	272.0	1	51.0	1020.0
7/16	15.8	316.0			
1/2	17.9	358.0			
5/8	22.1	442.0			
3/4	26.2	524.0			
8 x 4					
1/2	19.6	392.0			
5/8	24.2	484.0			
3/4	28.7	574.0			

**Total Quantity = Lower Prices**

## **CONTRACTORS STEEL COMPANY**

**Combines the Weight of ALL Stock Items  
to Give You the Best Price**

Angles	C.R. Rounds, Squares
Channels	Strip, Flats
Beams	H.R. Rounds, Squares
Tees	Strip, Flats
Plate	ReRod
U.M. Plate	Threaded Rod
Floor Plate	Moulded Cover Bar
H.R. Sheets	Pipe
Galvanized Bars & Structurals	Tubing
Grip Strut	Expanded Metal
	Grating



**Fast PickUp and Delivery Service**



**Modern Flame Cutting Facilities  
now with plasma cutting provides prompt  
service on cut shapes 18 ga. - 16" plate.**

# Bar Channels

				Estimated Wt. in Lbs.		
				Per Ft.	20 Ft. Bar	
1	x	1/2	x	1/8	.84	16.80
1-1/4	x	1/2	x	1/8	1.01	20.20
1-1/2	x	1/2	x	1/8	1.12	22.40
2	x	1/2	x	1/8	1.43	28.60
2	x	5/8	x	1/4	2.28	45.60
2	x	1	x	1/8	1.59	31.80
2	x	1	x	3/16	2.32	46.40

# Structural Channels

"D" Depth of Channel & Wt. Per Ft.		Wt. For 20'	"WT" Thickness Of Web in Inches	"FW" Width Of Flange in Inches
3" x	3.5 lbs.	70	.140	1.360
	4.1 lbs.	82	.170	1.410
	5.0 lbs.	100	.258	1.498
	6.0 lbs.	120	.356	1.596
4" x	4.5 lbs.	90	.145	1.520
	5.4 lbs.	108	.180	1.580
	6.25 lbs.	125	.247	1.647
	7.25 lbs.	145	.320	1.720
5" x	6.7 lbs.	134	.190	1.750
	9.0 lbs.	180	.325	1.885
6" x	8.2 lbs.	164	.200	1.920
	10.5 lbs.	210	.314	2.034
	13.0 lbs.	260	.437	2.157
7" x	9.8 lbs.	196	.210	2.090
	12.25 lbs.	245	.314	2.194
	14.75 lbs.	295	.419	2.299
8" x	8.5 lbs.	170	.180	1.875
	11.5 lbs.		230	.220
	2.260			
	13.75 lbs.	275	.303	2.343
	18.75 lbs.	375	.487	2.527
9" x	13.4 lbs.	268	.230	2.430
	15.0 lbs.	300	.285	2.485
	20.0 lbs.	400	.448	2.648
10" x	15.3 lbs.	306	.240	2.600
	20.0 lbs.	400	.379	2.739
	25.0 lbs.	500	.526	2.886
	30.0 lbs.	600	.673	3.033

## Structural Channels (Cont'd)

"D" Depth of Channel & Wt. Per Ft.	Wt. For 20'	"WT" Thickness Of Web in Inches	"FW" Width Of Flange in Inches
12" x 20.7 lbs.	414	.280	2.940
25.0 lbs.	500	.387	3.047
30.0 lbs.	600	.510	3.170
15" x 33.9 lbs.	678	.400	3.400
40.0 lbs.	800	.520	3.520
50.0 lbs.	1000	.716	3.716

## Miscellaneous Channels – Ship & Car

"D" Depth of Channel & Wt. Per Ft.	Wt. For 20'	"WT" Thickness Of Web in Inches	"FW" Width Of Flange in Inches
3" x 7.1 lbs.	142	.313	1.938
4" x 13.8 lbs.	276	.500	2.500
6" x 12.0 lbs.	240	.313	2.500
15.1 lbs.	302	.316	2.941
15.3 lbs.	306	.340	3.500
16.3 lbs.	326	.375	3.000
18.0 lbs.	360	.375	3.500
7" x 17.6 lbs.	352	.375	3.000
19.1 lbs.	382	.350	3.450
22.7 lbs.	454	.500	3.600
8" x 18.7 lbs.	374	.350	2.975
20.0 lbs.	400	.400	3.025
21.4 lbs.	428	.375	3.450
22.8 lbs.	456	.425	3.500
9" x 23.9 lbs.	478	.375	3.500
25.4 lbs.	508	.450	3.500
10" x 22.0 lbs.	440	.290	3.315
25.0 lbs.	500	.375	3.400
28.5 lbs.	570	.425	3.950
33.6 lbs.	672	.575	4.100
41.1 lbs.	822	.796	4.321
12" x 31.0 lbs.	620	.370	3.670
35.0 lbs.	700	.467	3.767
40.0 lbs.	800	.570	3.890
45.0 lbs.	900	.712	4.012
50.0 lbs.	1000	.835	4.135

## Miscellaneous Channels – Ship & Car (Cont'd)

"D" Depth of Channel & Wt. Per Ft.	Wt. For 20'	"WT" Thickness Of Web in Inches	"FW" Width Of Flange in Inches
13" x 31.8 lbs.	636	.375	4.000
35.0 lbs.	700	.447	4.072
40.0 lbs.	800	.560	4.185
50.0 lbs.	1000	.787	4.412
18" x 42.7 lbs.	854	.450	3.950
45.8 lbs.	916	.500	4.000
51.9 lbs.	1038	.600	4.100
58.0 lbs.	1160	.700	4.200

## Junior Channels

"D" Depth of Channel & Wt. Per Ft.	Wt. For 20'	Wt. For 30'	"WT" Thickness Of Web in Inches	"FW" Width Of Flange in Inches
10" x 6.5 lbs.	130	195	.150	1.125
8.4 lbs.	168	252	.170	1.500
12" x 10.6 lbs.	212	318	.190	1.500
14.3 lbs.	286	429	.250	2.125

*Contractors Steel Company  
Offers the Business Community*

**One of the Most  
Diversified Steel Service  
Centers in the Midwest**



**Beams up to 36" x 60' long  
Mill shipments received daily by truck and rail**



# Standard I Beams

"D" Depth of Channel & Wt. Per Ft.	Wt. For 20'	"WT" Thickness Of Web in Inches	"WT" Width Of Flange in Inches
3" x 5.7 lbs.	114	.170	2.330
7.5 lbs.	150	.349	2.509
4" x 7.7 lbs.	154	.190	2.660
7.7 lbs.	(1045) 154	.190	2.660
9.5 lbs.	190	.326	2.796
5" x 10.0 lbs.	200	.210	3.000
14.75 lbs.	295	.494	3.284
6" x 12.5 lbs.	250	.230	3.330
17.25 lbs.	345	.465	3.565
7" x 15.3 lbs.	306	.250	3.660
20.0 lbs.	400	.450	3.860
8" x 18.4 lbs.	368	.270	4.000
23.0 lbs.	460	.441	4.171
10" x 25.4 lbs.	508	.310	4.660
35.0 lbs.	700	.594	4.944
12" x 31.8 lbs.	636	.350	5.000
35.0 lbs.	700	.428	5.078
40.8 lbs.	816	.460	5.250
50.0 lbs.	1000	.687	5.477
15" x 42.9 lbs.	858	.410	5.500
50.0 lbs.	1000	.550	5.640
18" x 54.7 lbs.	1094	.460	6.000
70.0 lbs.	1400	.711	6.251
20" x 66.0 lbs.	1320	.505	6.255
86.0 lbs.	1720	.660	7.060
24" x 80.0 lbs.	1600	.500	7.000
100.0 lbs.	2000	.747	7.247
106.0 lbs.	2120	.625	7.875
121.0 lbs.	2420	.800	8.050

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**Most Beams Available in Lengths of:  
20', 25', 30', 35', 40', 45', 50', 55', 60'**

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# Wide Flange & "H" Beams

Section Size and Wt. per Ft.	Weight for 40' Beam	"D" Depth of Section in Inches	Flange in Inches		"WT" Web Thickness in Inches	Area Sq. Inches
			"FW" Width	"FT"		
4" x 13.0 lbs.	520	4.16	4.060	0.345	0.280	3.83
5" x 16.0 lbs.	640	5.01	5.000	0.360	0.240	4.71
19.0 lbs.	760	5.15	5.030	0.430	0.270	5.56
6" x 9.0 lbs.	360	5.90	3.940	0.215	0.170	2.68
12.0 lbs.	480	6.03	4.000	0.280	0.230	3.55
15.0 lbs.	600	5.99	5.990	0.260	0.230	4.43
16.0 lbs.	640	6.28	4.030	0.405	0.260	4.74
20.0 lbs.	800	6.20	6.020	0.365	0.260	5.87
25.0 lbs.	1000	6.38	6.080	0.455	0.320	7.34
8" x 10.0 lbs.	400	7.89	3.940	0.205	0.170	2.96
13.0 lbs.	520	7.99	4.000	0.255	0.230	3.84
15.0 lbs.	600	8.11	4.015	0.315	0.245	4.44
18.0 lbs.	720	8.14	5.250	0.330	0.230	5.26
21.0 lbs.	840	8.28	5.270	0.400	0.250	6.16
24.0 lbs.	960	7.93	6.495	0.400	0.245	7.08
28.0 lbs.	1120	8.06	6.535	0.465	0.285	8.25
31.0 lbs.	1240	8.00	7.995	0.435	0.285	9.13
35.0 lbs.	1400	8.12	8.020	0.495	0.310	10.3
40.0 lbs.	1600	8.25	8.070	0.560	0.360	11.7
48.0 lbs.	1920	8.50	8.110	0.685	0.400	14.1
58.0 lbs.	2320	8.75	8.220	0.810	0.510	17.1
67.0 lbs.	2680	9.00	8.280	0.935	0.570	19.7
10" x 12.0 lbs.	480	9.87	3.960	0.210	0.190	3.54
15.0 lbs.	600	9.99	4.000	0.270	0.230	4.41
17.0 lbs.	680	10.11	4.010	0.330	0.240	4.99
19.0 lbs.	760	10.24	4.020	0.395	0.250	5.62
22.0 lbs.	880	10.17	5.750	0.360	0.240	6.49
26.0 lbs.	1040	10.33	5.770	0.440	0.260	7.61
30.0 lbs.	1200	10.47	5.810	0.510	0.300	8.84
33.0 lbs.	1320	9.73	7.960	0.435	0.290	9.71
39.0 lbs.	1560	9.92	7.985	0.530	0.315	11.5
45.0 lbs.	1800	10.10	8.020	0.620	0.350	13.3
49.0 lbs.	1960	9.98	10.000	0.560	0.340	14.4
54.0 lbs.	2160	10.09	10.030	0.615	0.370	15.8
60.0 lbs.	2400	10.22	10.080	0.680	0.420	17.6
68.0 lbs.	2720	10.40	10.130	0.770	0.470	20.0
77.0 lbs.	3080	10.60	10.190	0.870	0.530	22.6
88.0 lbs.	3520	10.84	10.265	0.990	0.605	25.9
100.0 lbs.	4000	11.10	10.340	1.120	0.680	29.4
112.0 lbs.	4480	11.375	10.375	1.250	0.750	32.9

## Wide Flange & "H" Beams (Cont'd)

Section Size and Wt. per Ft.	Weight for 40' Beam	"D" Depth of Section in	Flange in Inches		"WT" Web	Area Sq. Inches
			"FW" Width	"FT"		
12" x 14.0 lbs.	560	11.91	3.970	0.225	0.200	4.16
16.0 lbs.	640	11.99	3.990	0.265	0.220	4.71
19.0 lbs.	760	12.16	4.005	0.350	0.235	5.57
22.0 lbs.	880	12.31	4.030	0.425	0.260	6.48
26.0 lbs.	1040	12.22	6.490	0.380	0.230	7.65
30.0 lbs.	1200	12.34	6.520	0.440	0.260	8.79
35.0 lbs.	1400	12.50	6.560	0.520	0.300	10.3
40.0 lbs.	1600	11.94	8.005	0.515	0.295	11.8
45.0 lbs.	1800	12.06	8.045	0.575	0.335	13.2
50.0 lbs.	2000	12.19	8.080	0.640	0.370	14.7
53.0 lbs.	2120	12.06	9.995	0.575	0.345	15.6
58.0 lbs.	2320	12.19	10.010	0.640	0.360	17.0
65.0 lbs.	2600	12.12	12.000	0.605	0.390	19.1
72.0 lbs.	2880	12.25	12.040	0.670	0.430	21.1
79.0 lbs.	3160	12.38	12.080	0.735	0.470	23.2
87.0 lbs.	3480	12.53	12.125	0.810	0.515	25.6
96.0 lbs.	3840	12.71	12.160	0.900	0.550	28.2
106.0 lbs.	4240	12.89	12.220	0.990	0.610	31.2
120.0 lbs.	4800	13.12	12.375	1.125	0.6875	35.3
152.0 lbs.	6080	13.71	12.480	1.400	0.870	44.7
170.0 lbs.	6800	14.03	12.570	1.560	0.96	51.3
190.0 lbs.	7600	14.38	12.67	1.735	1.060	57.2
14" x 22.0 lbs.	880	13.74	5.000	0.335	0.230	6.49
26.0 lbs.	1040	13.91	5.025	0.420	0.255	7.69
30.0 lbs.	1200	13.84	6.730	0.385	0.270	8.85
34.0 lbs.	1360	13.98	6.745	0.455	0.285	10.0
38.0 lbs.	1520	14.10	6.770	0.515	0.310	11.2
43.0 lbs.	1720	13.66	7.995	0.530	0.305	12.6
48.0 lbs.	1920	13.79	8.030	0.595	0.340	14.1
53.0 lbs.	2120	13.92	8.060	0.660	0.370	15.6
61.0 lbs.	2440	13.89	9.995	0.645	0.375	17.9
68.0 lbs.	2720	14.04	10.035	0.720	0.415	20.0
74.0 lbs.	2960	14.17	10.070	0.785	0.450	21.8
82.0 lbs.	3280	14.31	10.130	0.855	0.510	24.1
90.0 lbs.	3600	14.02	14.520	0.710	0.440	26.5
99.0 lbs.	3960	14.16	14.565	0.780	0.485	29.1
109.0 lbs.	4360	14.32	14.605	0.860	0.525	32.0
120.0 lbs.	4800	14.48	14.670	0.940	0.590	35.3
132.0 lbs.	5280	14.625	14.750	1.000	0.625	38.8
145.0 lbs.	5800	14.75	15.500	1.0625	0.6875	42.7
159.0 lbs.	6360	14.98	15.565	1.190	0.745	47.6
176.0 lbs.						
16" x 26.0 lbs.	1040	15.69	5.500	0.345	0.250	7.68
31.0 lbs.	1240	15.88	5.525	0.440	0.275	9.12
36.0 lbs.	1440	15.86	6.985	0.430	0.295	10.6
40.0 lbs.	1600	16.01	6.995	0.505	0.305	11.8
45.0 lbs.	1800	16.13	7.035	0.565	0.345	13.3
50.0 lbs.	2000	16.26	7.070	0.630	0.380	14.7
57.0 lbs.	2280	16.43	7.120	0.715	0.430	16.8
67.0 lbs.	2680	16.33	10.235	0.665	0.395	19.7
77.0 lbs.	3080	16.52	10.295	0.760	0.455	22.6
89.0 lbs.	3560	16.75	10.365	0.875	0.525	26.2
100.0 lbs.	4000	16.97	10.425	0.985	0.585	29.4

## Wide Flange & "H" Beams (Cont'd)

Section Size and Wt. per Ft.	Weight for 40' Beam	"D" Depth of Section in Inches	Flange in Inches		"WT" Web	Area Sq. Inches	
			"FW" Width	"FT"			
18" x	35.0 lbs.	1400	17.70	6.000	0.425	0.300	10.3
	40.0 lbs.	1600	17.90	6.015	0.525	0.315	11.8
	46.0 lbs.	1840	18.06	6.060	0.605	0.360	13.5
	50.0 lbs.	2000	17.99	7.495	0.570	0.355	14.7
	55.0 lbs.	2200	18.11	7.530	0.630	0.390	16.2
	60.0 lbs.	2400	18.24	7.555	0.695	0.415	17.6
	65.0 lbs.	2600	18.35	7.590	0.750	0.450	19.1
	71.0 lbs.	2840	18.47	7.635	0.810	0.495	20.8
	76.0 lbs.	3040	18.21	11.035	0.680	0.425	22.3
	86.0 lbs.	3440	18.39	11.090	0.770	0.480	25.3
	97.0 lbs.	3880	18.59	11.145	0.870	0.535	28.5
	106.0 lbs.	4240	18.73	11.200	0.940	0.590	31.1
	119.0 lbs.	4760	18.97	11.265	1.060	0.655	35.1
	130.0 lbs.	5200	19.25	11.160	1.200	0.670	38.5
143.0 lbs.	5720	19.49	11.220	1.320	0.730	42.4	
21" x	44.0 lbs.	1760	20.66	6.500	0.450	0.350	13.0
	48.0 lbs.	1920	20.62	8.140	0.430	0.350	14.3
	50.0 lbs.	2000	20.83	6.530	0.535	0.380	14.7
	55.0 lbs.	2200	20.80	8.215	0.522	0.375	15.9
	57.0 lbs.	2280	21.06	6.555	0.650	0.405	16.7
	62.0 lbs.	2480	20.99	8.240	0.615	0.400	18.3
	68.0 lbs.	2720	21.13	8.270	0.685	0.430	20.0
	73.0 lbs.	2920	21.24	8.295	0.740	0.455	21.5
	83.0 lbs.	3320	21.43	8.355	0.835	0.515	24.3
	93.0 lbs.	3720	21.62	8.420	0.930	0.580	27.3
	101.0 lbs.	4040	21.36	12.290	0.800	0.500	29.8
	111.0 lbs.	4440	21.51	12.340	0.875	0.550	32.7
	122.0 lbs.	4880	21.625	12.375	0.9375	0.625	35.9
	132.0 lbs.	5280	21.875	12.500	1.0625	0.625	38.8
147.0 lbs.	5880	22.00	12.500	1.125	0.750	43.2	
24" x	55.0 lbs.	2200	23.57	7.005	0.505	0.395	16.2
	62.0 lbs.	2480	23.74	7.040	0.590	0.430	18.2
	68.0 lbs.	2720	23.73	8.965	0.585	0.415	20.1
	76.0 lbs.	3040	23.92	8.990	0.680	0.440	22.4
	84.0 lbs.	3360	24.10	9.020	0.770	0.470	24.7
	94.0 lbs.	3760	24.31	9.065	0.875	0.515	27.7
	103.0 lbs.	4120	24.53	9.000	0.980	0.550	30.3
	104.0 lbs.	4160	24.06	12.750	0.750	0.500	30.6
	117.0 lbs.	4680	24.26	12.800	0.850	0.550	34.4
	131.0 lbs.	5240	24.50	12.875	0.9375	0.625	38.5
	146.0 lbs.	5840	24.75	12.875	1.0625	0.625	43.0
	162.0 lbs.	6480	25.00	13.000	1.2500	0.6875	47.7
	192.0 lbs.	7680	25.42	12.950	1.4600	0.8100	57.7
	27" x	84.0 lbs.	3660	26.71	9.960	0.640	0.460
94.0 lbs.		3760	26.92	9.990	0.745	0.490	27.7
102.0 lbs.		4080	27.09	10.015	0.830	0.515	30.0
114.0 lbs.		4560	27.29	10.070	0.930	0.570	33.5
146.0 lbs.		5840	27.38	13.965	0.975	0.605	42.9
161.0 lbs.		6440	27.625	14.000	1.0625	0.6875	47.4
178.0 lbs.		7120	27.75	14.125	1.1875	0.750	52.3

## Wide Flange & "H" Beams (Cont'd)

Section Size and Wt. per Ft.	Weight for 40' Beam	"D" Depth of Section in Inches	Flange in Inches		"WT" Web	Area Sq. Inches
			"FW" Width	"FT"		
30" x 90.0 lbs.	3600	29.53	10.400	0.610	0.470	26.5
99.0 lbs.	3960	29.65	10.450	0.670	0.520	29.1
108.0 lbs.	4320	29.83	10.475	0.760	0.545	31.7
116.0 lbs.	4640	30.01	10.495	0.850	0.565	34.2
124.0 lbs.	4960	30.17	10.515	0.930	0.585	36.5
132.0 lbs.	5280	30.31	10.545	1.000	0.615	38.9
148.0 lbs.	5920	30.67	10.480	1.180	0.650	43.5
173.0 lbs.	6920	30.50	15.000	1.0625	0.625	50.8
191.0 lbs.	7640	30.625	15.000	1.1875	0.6875	56.1
33" x 118.0 lbs.	4720	32.86	11.480	0.740	0.550	34.7
130.0 lbs.	5200	33.09	11.510	0.855	0.580	38.3
141.0 lbs.	5640	33.30	11.535	0.960	0.605	41.6
152.0 lbs.	6080	33.49	11.565	1.055	0.635	44.7
201.0 lbs.	8040	33.68	15.745	1.150	0.715	59.1
221.0 lbs.	8840	33.93	15.805	1.275	0.775	65.0
241.0 lbs.	9640	34.18	15.860	1.400	0.830	70.9
36" x 135.0 lbs.	5400	35.55	11.950	0.790	0.600	39.7
150.0 lbs.	6000	35.85	11.975	0.940	0.625	44.2
160.0 lbs.	6400	36.01	12.000	1.020	0.650	47.0
170.0 lbs.	6800	36.17	12.030	1.100	0.680	50.0
182.0 lbs.	7280	36.33	12.075	1.180	0.725	53.6
194.0 lbs.	7760	36.49	12.115	1.260	0.765	57.0
210.0 lbs.	8400	36.69	12.180	1.360	0.830	61.8
231.0 lbs.	9240	36.49	16.470	1.260	0.760	68.5

**"WE SPLIT TEES FROM I.B. & W.F. BEAMS TO MEET YOUR REQUIREMENTS."**

## Junior Beams

"D" Depth of Beam & Wt. Per Ft.	Weight For 40'	"FW" Width of Flange In Inches	Thickness Of Web In Inches
6" x 4.4 lbs.	176	1.84	.114
8" x 6.5 lbs.	260	2.28	.135
10" x 9.0 lbs.	360	2.69	.155
12" x 11.8 lbs.	472	3.063	.175



## **PLATE BURNING UP TO 16" THICK!**

CAD DOWNLOAD ADDRESSES:

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E.CHIGAGO: [eccad@contractorssteel.com](mailto:eccad@contractorssteel.com)

***24 HOUR PROCESSING***

***ALL BURN-OUTS  
ARE DE-SLAGGED***



# Hot Rolled Sheets

Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.	Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.
7 Ga. (.1793)	7.50		11 Ga. (.1196)	5.00	
36 x 96		180.0	60 x 144		300.0
36 x 120		225.0	60 x 168		350.0
36 x 144		270.0	60 x 192		400.0
36 x 240		450.0	72 x 120		300.0
48 x 96		240.0	72 x 144		360.0
48 x 120		300.0			
48 x 144		360.0	12 Ga. (.1046)	4.375	
48 x 240		600.0	36 x 96		105.0
60 x 96		300.0	36 x 120		131.3
60 x 120		375.0	36 x 144		157.5
60 x 144		450.0	48 x 96		140.0
60 x 240		750.0	48 x 120		175.0
72 x 96		360.0	48 x 144		210.0
72 x 120		450.0	60 x 96		175.0
72 x 144		540.0	60 x 120		218.8
72 x 240		900.0	60 x 144		262.5
			72 x 96		210.0
10 Ga. (.1345)	5.625		72 x 120		262.5
36 x 96		135.0	72 x 144		315.0
36 x 120		168.8			
36 x 144		202.5	14 Ga. (.0747)	3.125	
48 x 96		180.0	36 x 96		75.0
48 x 120		225.0	36 x 120		93.8
48 x 144		270.0	36 x 144		112.5
60 x 96		225.0	48 x 96		100.0
60 x 120		281.3	48 x 120		125.0
60 x 144		337.5	48 x 144		150.0
60 x 168		393.8	60 x 96		125.0
72 x 120		337.5	60 x 120		156.3
72 x 144		405.0	60 x 144		187.5
84 x 120		393.8	72 x 120		187.5
			72 x 144		225.0
11 Ga. (.1196)	5.00		16 Ga. (.0598)	2.50	
36 x 96		120.0	36 x 96		60.0
36 x 120		150.0	36 x 120		75.0
36 x 144		180.0	36 x 144		90.0
48 x 96		160.0	48 x 96		80.0
48 x 120		200.0	48 x 120		100.0
48 x 144		240.0	48 x 144		120.0
60 x 96		200.0	60 x 96		100.0
60 x 120		250.0	60 x 120		125.0
			60 x 144		150.0
			72 x 120		150.0
			72 x 144		180.0

## Hot Rolled Sheets (Cont'd)

Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.	Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.
18 Ga. (.0478)	2.00		20 Ga. (.0359)	1.50	
36 x 96		48.0	48 x 96		48.0
36 x 120		60.0	48 x 120		60.0
48 x 96		64.0	60 x 96		60.0
48 x 120		80.0	60 x 120		75.0

## Pickled & Oiled Sheet

Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.	Thickness & Size	Wt. Sq. Ft.	Est. Sheet Wt.
16 Ga. (.059)	2.50		11 Ga. (.1196)	5.00	
48 x 120		100.0	48 x 120		200.0
14 Ga (.0747)	3.125		60 x 120		250.0
48 x 96		100.0			
48 x 120		125.0	10 ga (.1345)	5.625	
60 x 120		156.3	48 x 120		225.0
12 ga (.1046)	4.375				
48 x 120		175.0			
60 x 120		218.8			

### “On the Premises” Facilities for

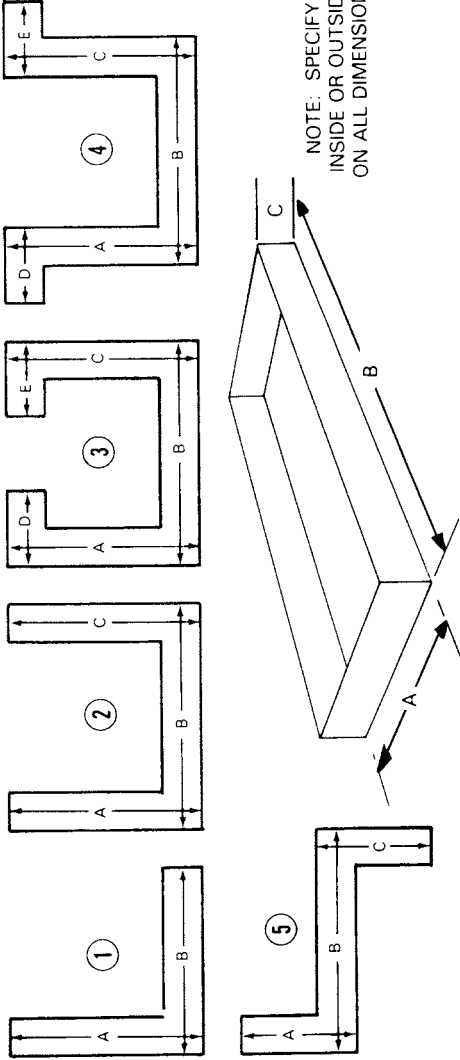
- Press Brake Work
- Shearing
- Sawing
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- Plasma Cutting
- Splitting T's
- Drilling
- Punching
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- Threading

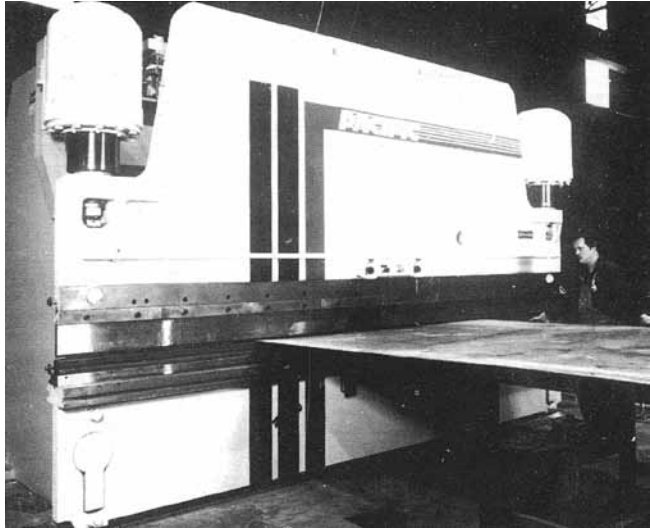
**WE WILL CUT ANYTHING TO SIZE**



# ORDER GUIDE FOR PRESS BRAKING SHAPES

Our 400 ton Brake can furnish an unlimited selection of special sections out of plate and sheet. Use the following sketches to order your requirements or fax us your drawing.





**HYDRAULIC PRESS BRAKE** can bend sheet and plate up to 1/2" thick and 20' long.



# Carbon Steel Plate

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
3/16 (.1875)	7.66		3/8 (.375)	15.31	
48 x 96		245.03	48 x 96		490.08
48 x 120		306.30	48 x 120		612.60
48 x 144		367.56	48 x 144		735.12
60 x 96		306.32	48 x 240		1225.20
60 x 120		382.90	60 x 120		765.70
60 x 144		459.48	60 x 144		918.84
60 x 240		765.80	60 x 240		1531.40
72 x 120		459.40	72 x 96		735.12
72 x 144		551.28	72 x 120		918.90
72 x 240		918.80	72 x 144		1102.68
84 x 120		536.00	72 x 240		1837.80
84 x 240		1072.00	72 x 288		2205.36
96 x 120		612.60	84 x 120		1072.00
96 x 240		1225.20	84 x 240		2144.00
1/4 (.250)	10.21		96 x 120		1225.20
48 x 96		326.72	96 x 240		2450.40
48 x 120		408.40	96 x 288		2940.48
48 x 144		489.60	120 x 120		1531.40
48 x 240		816.00	120 x 240		3062.80
60 x 96		408.40	120 x 360		4594.00
60 x 120		510.50	1/2 (.500)	20.42	
60 x 144		612.60	48 x 96		653.44
60 x 240		1021.00	48 x 120		816.80
72 x 96		490.00	48 x 144		980.16
72 x 120		612.60	48 x 240		1633.60
72 x 144		735.12	60 x 120		1021.00
72 x 240		1225.20	60 x 144		1225.20
84 x 120		714.70	60 x 240		2042.00
84 x 240		1429.40	72 x 120		1225.20
96 x 120		816.80	72 x 144		1470.24
96 x 240		1633.60	72 x 240		2450.40
120 x 120		1020.50	72 x 288		2940.48
120 x 240		2041.00	84 x 120		1429.30
120 x 360		3063.00	84 x 240		2858.60
5/16 (.3125)	12.76		96 x 120		1633.50
48 x 96		408.40	96 x 240		3267.00
48 x 120		510.50	120 x 120		2041.90
48 x 144		612.60	120 x 240		4083.80
48 x 240		1020.80	120 x 360		6125.70
60 x 120		638.10	5/8 (.625)	25.52	
60 x 240		1276.20	48 x 96		816.80
72 x 120		765.70	48 x 120		1021.00
72 x 240		1531.40	48 x 144		1225.20
84 x 120		893.30			
84 x 240		1786.60			
96 x 120		1021.00			
96 x 240		2042.00			

## Carbon Steel Plate (Cont'd)

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Weight Per Sq. Ft.	Weight Per Plate
5/8 (.625)	25.52		1	40.84
60 x 120		1276.20	60 x 120	2041.90
60 x 240		2552.40	60 x 240	4083.80
72 x 120		1531.40	72 x 120	2450.30
72 x 240		3062.80	72 x 240	4900.60
84 x 120		1786.70	72 x 288	5880.72
84 x 240		3573.40	84 x 120	2858.70
96 x 120		2041.90	84 x 240	5717.40
96 x 240		4083.80	96 x 120	3267.10
96 x 360		6125.76	96 x 240	6534.20
120 x 120		2552.40	96 x 288	7841.04
120 x 240		5104.80	96 x 360	9801.30
120 x 360		7657.00	96 x 480	13068.40
3/4 (.750)	30.63		120 x 120	4083.80
48 x 96		980.16	120 x 240	8167.60
48 x 120		1225.20	120 x 360	12251.40
48 x 240		2450.40	1-1/8	45.94
60 x 120		1531.40	48 x 120	1837.70
60 x 240		3062.80	60 x 120	2297.16
72 x 120		1837.70	60 x 240	4594.32
72 x 240		3675.40	72 x 120	2756.60
84 x 120		2144.00	72 x 240	5513.20
84 x 240		4288.00	84 x 120	3216.00
96 x 120		2450.30	84 x 240	6432.00
96 x 240		4900.60	96 x 120	3675.50
96 x 360		7350.90	96 x 240	7351.00
120 x 120		3062.90	120 x 120	4594.30
120 x 240		6125.80	120 x 240	9188.60
120 x 360		9188.70	120 x 360	13782.90
7/8 (.875)	35.73		1-1/4	51.05
48 x 96		1143.44	48 x 96	1633.52
48 x 120		1429.30	48 x 120	2041.90
60 x 120		1786.68	48 x 240	4083.80
60 x 240		3573.36	60 x 120	2552.40
72 x 120		2144.00	60 x 240	5104.80
72 x 240		4288.00	72 x 120	3062.90
84 x 120		2501.40	72 x 240	6125.80
84 x 240		5002.80	72 x 288	7350.96
96 x 120		2858.70	84 x 120	3573.40
96 x 240		5717.40	84 x 240	7146.80
120 x 120		3573.40	96 x 120	4083.80
120 x 240		7146.80	96 x 240	8167.60
120 x 360		10720.00	96 x 360	12251.40
1	40.84		96 x 480	16335.20
48 x 96		1306.80	120 x 120	5104.80
48 x 120		1633.50	120 x 240	10209.60
48 x 240		3267.00	120 x 360	15314.40

## Carbon Steel Plate (Cont'd)

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
1-3/8	56.15		1-3/4	71.47	
48 x 120		2246.00	84 x 120		5002.70
48 x 240		4492.00	84 x 240		10005.40
60 x 120		2807.50	96 x 120		5717.40
60 x 240		5615.00	96 x 240		11434.80
72 x 120		3369.20	120 x 120		7146.72
72 x 240		6738.40	120 x 240		14293.44
84 x 120		3930.70	120 x 288		17152.08
84 x 240		7861.40	120 x 360		21440.20
96 x 120		4492.20	1-7/8	76.572	
96 x 240		8984.40	48 x 120		3062.88
120 x 120		5615.00	48 x 240		6125.76
120 x 240	11230.00		60 x 120		3828.60
1-1/2	61.26		60 x 240		7657.20
48 x 96		1960.24	72 x 120		4594.32
48 x 120		2450.30	72 x 240		9188.64
48 x 240		4900.60	84 x 120		5360.04
60 x 120		3062.90	84 x 240		10720.08
60 x 240		6125.80	96 x 120		6125.76
72 x 120		3675.50	96 x 240		12251.52
72 x 240		7351.00	120 x 120		7657.20
84 x 120		4288.00	120 x 240		15314.40
84 x 240		8576.00	2	81.68	
96 x 120		4900.60	48 x 120		3267.10
96 x 240		9801.20	48 x 240		6534.20
96 x 360	14701.80		60 x 120		4083.80
120 x 120		6125.80	60 x 240		8167.60
120 x 240		12251.60	72 x 120		4900.60
120 x 360	18377.40		72 x 240		9801.20
1-5/8	66.36		72 x 288		11761.40
48 x 120		2654.40	84 x 120		5717.40
48 x 240		5308.80	84 x 240		11434.80
60 x 120		3318.12	96 x 120		6534.10
60 x 240		6636.24	96 x 240		13068.20
72 x 120		3981.74	96 x 360		19602.30
72 x 240		7963.48	120 x 120		8167.70
84 x 120		4645.40	120 x 240		16335.40
84 x 240		9290.80	120 x 288		19602.48
96 x 120		5309.00	120 x 360		24503.00
96 x 240		10618.00	2-1/4	91.89	
120 x 120		6636.00	48 x 120		3675.46
120 x 240		13272.00	48 x 240		7350.92
1-3/4	71.47		60 x 120		4594.50
48 x 96		2286.96	60 x 240		9189.00
48 x 120		2858.70	72 x 120		5513.20
48 x 240		5717.40	72 x 240		11026.40
60 x 120		3573.36	84 x 120		6432.00
60 x 240		7146.72	84 x 240		12864.00
72 x 120		4288.00			
72 x 240		8576.00			

## Carbon Steel Plate (Cont'd)

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
2-1/4	91.89		3	122.52	
96 x 120		7350.90	48 x 120		4900.61
96 x 240		14701.80	48 x 240		9801.22
120 x 120		9188.64	60 x 120		6125.76
120 x 240		18377.28	60 x 240		12251.52
2-3/8	96.99		72 x 120		7350.90
48 x 120		3879.60	72 x 240		14701.80
48 x 240		7759.20	84 x 120		8576.10
60 x 120		4849.50	84 x 240		17152.20
60 x 240		9699.00	96 x 120		9801.20
72 x 120		5819.40	96 x 240		19602.40
72 x 240		11638.80	3-1/4	132.72	
84 x 120		6789.30	48 x 120		5308.80
84 x 240		13578.60	48 x 240		10617.60
96 x 120		7759.20	60 x 120		6636.00
96 x 240		15518.40	60 x 240		13272.00
120 x 120		9699.00	72 x 120		7963.20
120 x 240		19398.00	72 x 240		15926.40
2-1/2	102.10		84 x 120		9290.70
48 x 120		4083.84	84 x 240		18581.40
48 x 240		8167.68	96 x 120		10618.00
60 x 120		5104.80	96 x 240		21236.00
60 x 240		10209.60	3-1/2	142.93	
72 x 120		6125.80	48 x 120		5717.20
72 x 240		12251.60	48 x 240		11434.40
84 x 120		7146.70	60 x 120		7146.50
84 x 240		14293.40	60 x 240		14293.00
96 x 120		8167.70	72 x 120		8575.80
96 x 240		16335.40	72 x 240		17151.60
120 x 120		10209.60	84 x 120		10005.40
120 x 240		20419.20	84 x 240		20010.80
2-3/4	112.31		96 x 120		11434.80
48 x 120		4492.22	96 x 240		22869.60
48 x 240		8984.44	3-3/4	153.14	
60 x 120		5615.28	48 x 120		6125.60
60 x 240		11230.56	48 x 240		12251.20
72 x 120		6738.34	60 x 120		7657.00
72 x 240		13476.68	60 x 240		15314.00
84 x 120		7861.40	72 x 120		9188.40
84 x 240		15722.80	72 x 240		18376.80
96 x 120		8984.40	84 x 120		10720.00
96 x 240		17968.80	84 x 240		21440.20
120 x 120		11230.56	96 x 120		12251.50
120 x 240		22461.12	96 x 240		24503.00

## Carbon Steel Plate (Cont'd)

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
4	163.35		5	204.19	
48 x 120		6534.10	48 x 120		8167.70
84 x 120		11434.80	84 x 240		28586.80
84 x 240		22869.60	96 x 120		16335.40
96 x 120		13068.30	96 x 240		32670.80
96 x 240		26136.60			
4-1/4	173.56		5-1/4	214.40	
48 x 120		6942.40	48 x 120		8576.00
84 x 120		12149.40	84 x 240		30016.20
84 x 240		24298.80	96 x 120		17152.10
96 x 120		13885.10	96 x 240		34304.20
96 x 240		27770.20			
4-1/2	183.77		5-1/2	224.61	
48 x 120		7350.80	48 x 120		8984.40
84 x 240		25728.20	84 x 240		31445.60
96 x 120		14701.80	96 x 120		17968.90
96 x 240		29403.60	96 x 240		35937.80
4-3/4	193.98		6	245.03	
48 x 120		7759.20	48 x 120		9801.20
84 x 240		27157.60	84 x 240		34304.20
96 x 120		15518.60	96 x 120		19602.40
96 x 240		31037.20	96 x 240		39204.80

**CONTRACTORS**  
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## Carbon Steel Plate (Cont'd)

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
6 -1/2	265.45		8-1/2	347.13	
96 x 120		21236.00	96 x 120		27770.10
96 x 240		42472.00	96 x 240		55540.20
7	285.87		9	367.55	
84 x 120		20010.80	96 x 120		29403.60
84 x 240		40021.60	96 x 240		58807.20
96 x 120		22869.60			
96 x 240		45739.20	9-1 /2	387.97	
7-1/2	306.29		96 x 120		31037.60
84 x 120		21440.30	96 x 240		62075.20
84 x 240		42880.60			
96 x 120		24503.20	10	408.38	
96 x 240		49006.40	96 x 120		32670.70
8	326.71		10-1/2	428.80	
84 x 120		22869.50	11	449.22	
84 x 240		45739.00	11-1/2	469.64	
96 x 120		26136.60	12	490.06	
96 x 240		52273.20	96 x 120		39204.90
			96 x 240		78409.80
			12-1/2	510.48	
			13	530.90	
			14	571.74	
			15	612.58	
			16	653.41	

## Pickled & Oiled Plate

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
3/16	7.66				
48 x 120		306.30			
60 x 120		382.90			
1/4	10.21				
48 x 120		408.40			
72 x 120		612.60			
3/8	15.31				
48 x 96		490.08			



# Floor Plate

Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
14Ga.	3.75		96 x 120		1104.80
48 x 96		120.00	96 x 240		2209.60
48 x 120		150.00	3/8	16.37	
60 x 120		187.50	48 x 96		523.84
72 x 120		225.00	48 x 120		654.80
84 x 120		262.50	48 x 144		785.76
96 x 120		300.00	48 x 240		1309.60
1/8	6.16		60 x 120		818.50
48 x 96		197.12	60 x 240		1637.00
48 x 120		246.40	72 x 120		982.20
48 x 144		295.68	72 x 240		1964.40
60 x 120		308.00	84 x 120		1145.90
72 x 120		369.60	84 x 240		2291.80
84 x 120		431.20	96 x 120		1309.60
96 x 120		492.80	96 x 240		2619.20
3/16	8.71		1/2	21.47	
48 x 96		278.72	48 x 96		687.04
48 x 120		348.40	48 x 120		858.80
48 x 144		418.08	48 x 240		1717.60
48 x 240		696.08	60 x 120		1073.50
60 x 120		435.50	60 x 240		2147.00
60 x 144		522.60	72 x 120		1288.20
60 x 240		871.00	72 x 240		2576.40
72 x 120		522.60	84 x 120		1502.90
72 x 240		1045.20	84 x 240		3005.80
84 x 120		609.70	96 x 120		1717.60
84 x 240		1219.40	96 x 240		3435.20
96 x 120		696.80	5/8	26.58	
96 x 240		1393.60	48 x 120		1063.20
1/4	11.26		60 x 120		1329.00
48 x 96		360.32	60 x 240		2658.00
48 x 120		450.40	72 x 120		1594.80
48 x 144		540.48	72 x 240		3189.60
48 x 240		900.80	84 x 120		1860.60
60 x 120		563.00	84 x 240		3721.20
60 x 240		1126.00	96 x 120		2126.40
72 x 120		675.60	96 x 240		4252.80
72 x 240		1351.20	3/4	31.68	
84 x 120		788.20	48 x 120		1267.20
84 x 240		1576.40	60 x 120		1584.00
96 x 120		900.80	60 x 240		3168.00
96 x 240		1801.60	72 x 120		1900.80
5/16	13.81		72 x 240		3801.60
48 x 120		552.40	84 x 120		2217.60
48 x 240		1104.80	84 x 240		4435.20
60 x 120		690.50	96 x 120		2534.40
60 x 240		1381.00	96 x 240		5068.80
72 x 120		828.60			
72 x 240		1657.20			
84 x 120		966.70			
84 x 240		1933.40			

## Floor Plate (Cont'd)

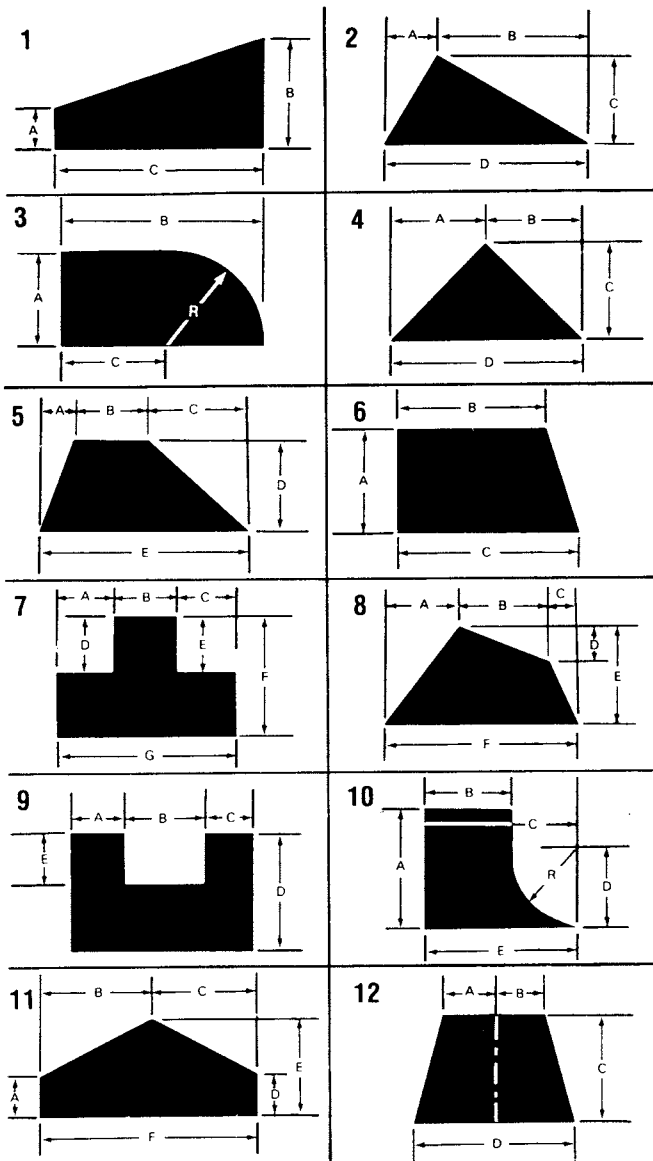
Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
1	41.89		1	41.89	
48 x 120		1675.60	84 x 120		2932.30
60 x 120		2094.50	84 x 240		5864.60
60 x 240		4189.00	96 x 120		3351.20
72 x 120		2513.40	96 x 240		6702.40
72 x 240		5026.80			

## Abrasion Resisting Plate

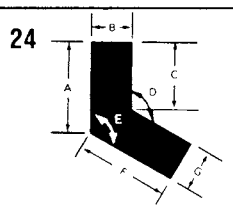
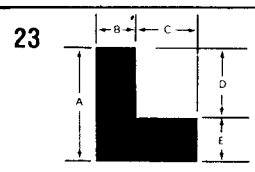
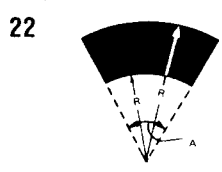
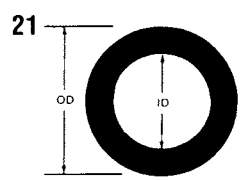
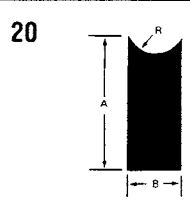
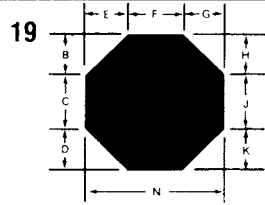
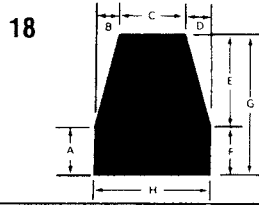
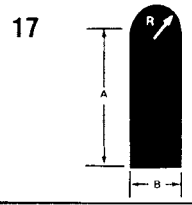
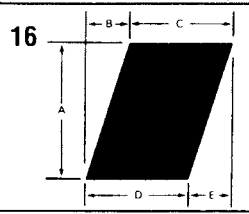
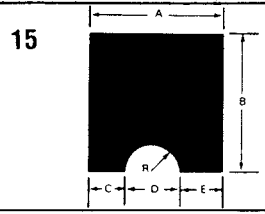
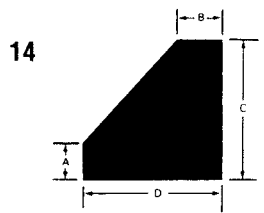
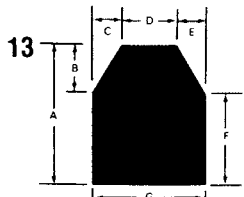
Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate	Thickness & Size	Weight Per Sq. Ft.	Weight Per Plate
3/16	6.66	367.56	1/2	41.89	1960.32
48 x 120		322.08	96 x 120		1655.50
60 x 120		382.90	96 x 240		3267.00
96 x 120		612.60			
96 x 144		735.36	5/8	25.52	
96 x 240		1225.20	96 x 120		2041.90
			96 x 144		2450.28
1/4	10.21		96 x 240		4083.80
48 x 96		326.72			
48 x 120		408.40	3/4	30.63	
48 x 144		489.60	96 x 120		2450.30
96 x 120		816.80	96 x 144		2940.36
96 x 144		980.16	96 x 240		4900.60
96 x 240		1633.60			
			1	40.84	
5/16	12.76		48 x 120		1633.50
48 x 144		612.48	96 x 120		3267.10
96 x 120		1020.80	96 x 240		6534.20
96 x 240		2041.60			
			1-1/2	61.26	
3/8	15.31		96 x 120		4900.60
48 x 120		612.60			
96 x 120		1225.20			
96 x 144		1470.24			
96 x 240		2450.40			
1/2	20.42				
48 x 120		816.80			

Abrasion Resistant Plate  
Available in grades 200-250 Brinell  
and 360-400 Brinell

# ORDER GUIDE FOR FLAME CUTTING SHAPES



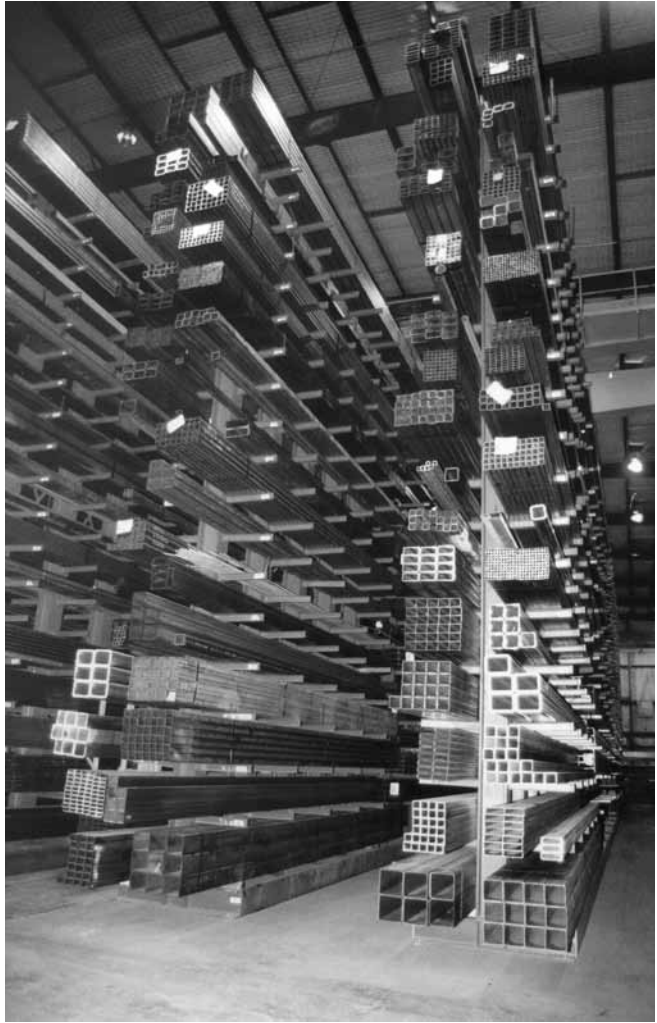
Our multiple torch Flame Cutting equipment can produce practically any shape from any thickness plate in any quantity - use the above sketches to order your requirements or fax us your drawing.



# Pipe Welded – Plain Ends

Nom. Size (in.)	Schedule	Wt. Per Ft.	Wall Thickness	Size O.D.	Size I.D.	Length
1/8	40	.24	.068	.405	.269	} 21 ft. } 24 ft. } 42 ft.
1/4	40	.42	.088		.364	
	80	.54	.119	.540	.302	
3/8	40	.57	.091		.493	
	80	.74	.126	.675	.423	
1/2	40	.85	.109		.622	
	80	1.09	.147	.840	.546	
3/4	40	1.13	.113		.824	
	80	1.47	.154	1.050	.742	
1	10	1.41	.109		1.097	
	40	1.68	.133		1.049	
	80	2.17	.179	1.315	.957	
1-1/4	10	1.806	.109		1.442	
	40	2.27	.140		1.380	
	80	3.00	.191	1.660	1.278	
1-1/2	10	2.085	.109		1.682	
	40	2.72	.145		1.610	
	80	3.63	.200	1.900	1.500	
2	40	3.65	.154		2.067	
	80	5.02	.218	2.375	1.939	
2-1/2	40	5.79	.203		2.469	
	80	7.66	.276	2.875	2.323	
3	40	7.58	.216		3.068	
	80	10.25	.300	3.500	2.900	
3-1/2	40	9.11	.226		3.548	
	80	12.51	.318	4.000	3.364	
4	40	10.79	.237		4.026	
	80	14.98	.337	4.500	3.826	
5	40	14.62	.258		5.047	
	80	20.78	.375	5.563	4.813	
6	10	9.29	.134		6.357	
	40	18.97	.280		6.065	
	80	28.57	.432	6.625	5.761	
8	40	28.55	.322		7.981	
	80	43.39	.500	8.625	7.625	
10	20	28.04	.250		10.250	
	40	40.48	.365		10.020	
	XS	54.74	.500		9.750	
	80	64.43	.594	10.750	9.562	
12	STD	49.56	.375		12.000	
	40	53.52	.406		11.938	
	XS	65.42	.500		11.750	
	80	88.63	.688	12.750	11.374	
14	STD	54.57	.375		13.250	
	40	63.44	.438		13.124	
	80	106.13	.750	14.000	12.500	
16	Std	62.58	.375		15.250	

**Now Up to 60' Long Pipe!**



**Square & Rectangular Tube in up to 60' lengths!**

# Square Tubing

LENGTHS – 20, 24, 30, 36, 40, 48 & 60 FT.

Can also have Rolled or Cut to your specifications.

Size & Wall	Weight per Foot	Size & Wall	Weight per Foot
1/2 x 1/2 x 16 Ga.	.38	5/16	14.83
3/4 x 3/4 16 Ga.	.61	3/8	17.27
14 Ga.	.75	1/2	21.63
1/8	1.03	3/16	11.97
1 x 1 x 16 Ga.	.83	1/4	15.62
14 Ga.	1.04	5/16	19.08
1/8	1.44	3/8	22.37
1-1/4 x 1-1/4 x 16 Ga.	1.05	1/2	28.43
14 Ga.	1.32	3/16	14.53
1/8	1.84	1/4	19.02
1-1/2 x 1-1/2 16 Ga.	1.27	5/16	23.34
14 Ga.	1.60	3/8	27.48
1/8	2.25	1/2	35.24
3/16	3.35	5/8	42.26
1/4	4.11	3/16	17.08
1-3/4 x 1-3/4 14 Ga.	1.88	1/4	22.42
1/8	2.68	5/16	27.59
2 x 2 x 16 Ga.	1.71	3/8	32.58
14 Ga.	2.10	1/2	42.05
1/8	3.05	3/16	19.63
10 Ga.	3.41	1/4	25.82
8 Ga.	4.12	5/16	31.84
3/16	4.32	3/8	37.69
1/4	5.41	1/2	48.85
2-1/8 x 2-1/8 x 10 Ga.	3.63	5/8	59.33
2-1/2 x 2-1/2 x 16 Ga.	2.12	3/16	24.73
14 Ga.	2.67	1/4	32.63
1/8	3.90	5/16	40.35
10 Ga.	4.32	3/8	47.90
8 Ga.	5.24	1/2	62.46
3/16	5.59	5/8	76.33
1/4	7.11	3/16	29.84
3 x 3 x 14 Ga.	3.23	1/4	39.43
1/8	4.75	5/16	48.86
3/16	6.87	3/8	58.10
1/4	8.80	1/2	76.07
5/16	10.58	5/8	93.25
3/8	12.16	3/16	57.36
3-1/2 x 3-1/2 1/8	5.61	3/8	68.31
3/16	8.15	1/2	89.68
1/4	10.51	3/8	78.52
5/16	12.70	1/2	103.30
3/8	14.71		
4 x 4 x 14 Ga.	4.42		
1/8	6.46		

# Rectangular Tubing

LENGTHS – 20, 24, 30, 36, 40, 48 & 60 Ft.

Can also have Rolled or Cut to your specifications.

Size & Wall	Weight per Foot	Size & Wall	Weight per Foot
1 x 1/2 x 16 Ga.	.61	3 x 1-1/4 x 16 Ga.	1.79
14 Ga.	.75	14 Ga.	2.24
1 x 3/4 x 16 Ga.	.72	1/8	3.26
14 Ga.	.89	3/16	4.63
1-1/4 x 1 x 16 Ga.	.94	1/4	5.82
14 Ga.	1.18	3 x 1-1/2 x 16 Ga.	1.90
1/8	1.64	14 Ga.	2.38
1-1/2 x 3/4 x 16 Ga.	.94	1/8	3.48
14 Ga.	1.18	3/16	4.95
1/8	1.64	1/4	6.25
1-1/2 x 1 x 16 Ga.	1.05	3 x 2 x 16 Ga.	2.12
14 Ga.	1.32	14 Ga.	2.67
1/8	1.84	10 Ga.	4.312
1-3/4 x 1-1/4 x 16 Ga.	1.27	1/8	3.90
14 Ga.	1.60	3/16	5.59
1/8	2.25	1/4	7.11
2 x 1 x 16 Ga.	1.27	3-1/2 x 1-1/2 x 16 Ga.	2.12
14 Ga.	1.60	14 Ga.	2.67
1/8	2.25	1/8	3.90
2 x 1-1/4 x 16 Ga.	1.38	3/16	5.59
14 Ga.	1.74	1/4	7.10
1/8	2.46	3-1/2 x 2-1/2 x 14 Ga.	3.23
2 x 1-1/2 x 16 Ga.	1.49	1/8	4.75
14 Ga.	1.88	3/16	6.87
1/8	2.66	1/4	8.80
2-1/2 x 1 x 14 Ga.	1.88	4 x 1-1/2 x 1/8	4.48
1/8	2.66	4 x 2 x 14 Ga.	3.23
2-1/2 x 1-1/2 x 16 Ga.	1.71	1/8	4.75
14 Ga.	2.10	3/16	6.87
1/8	3.05	1/4	8.81
3/16	4.32	4 x 3 x 14 Ga.	3.80
1/4	5.40	1/8	5.61
2-1/2 x 2 x 3/16	4.95	3/16	8.15
3 x 1 x 16 Ga.	1.71	1/4	10.51
14 Ga.	2.16	3/8	14.71
1/8	3.05	5 x 2 x 1/8	5.61
3/16	4.32	3/16	8.15
1/4	5.40	1/4	10.51
		5/16	12.70



**Rectangular Tubing (Cont'd) LENGTHS – 20, 24, 30, 36, 40, 48 & 60 Ft.**

Size & Wall	Weight per Foot	Size & Wall	Weight per Foot
5 x 3 x 1/8	6.46	7 x 5 x 3/16	14.53
3/16	9.42	1/4	19.02
1/4	12.21	5/16	23.34
5/16	14.83	3/8	27.48
3/8	17.27	1/2	35.24
1/2	21.63	8 x 2 x 3/16	11.97
5 x 4 x 3/16	10.70	1/4	15.62
1/4	13.91	5/16	19.08
5/16	16.96	3/8	22.37
3/8	19.82	8 x 3 x 3/16	13.25
6 x 2 x 1/8	6.46	1/4	17.32
3/16	9.42	5/16	21.21
1/4	12.21	3/8	24.93
5/16	14.83	1/2	31.84
3/8	17.27	8 x 4 x 3/16	14.53
6 x 3 x 1/8	7.31	1/4	19.02
3/16	10.70	5/16	23.34
1/4	13.91	3/8	27.48
5/16	16.96	1/2	35.24
3/8	19.82	5/8	42.26
1/2	25.03	8 x 6 x 3/16	17.08
6 x 4 x 1/8	8.16	1/4	22.42
3/16	11.97	5/16	27.59
1/4	15.62	3/8	32.58
5/16	19.08	1/2	42.05
3/8	22.37	9 x 3 x 3/16	14.53
1/2	28.43	1/4	19.02
6 x 5 x 3/16	13.25	5/16	23.34
1/4	17.32	3/8	27.48
5/16	21.21	9 x 5 x 3/16	17.08
3/8	24.93	1/4	22.42
7 x 3 x 3/16	11.97	5/16	27.59
1/4	15.62	3/8	32.58
5/16	19.08	1/2	42.05
3/8	22.37	9 x 7 x 3/16	19.63
7 x 4 x 3/16	13.25	1/4	25.82
1/4	17.32	5/16	31.84
5/16	21.21	3/8	37.69
3/8	24.93	1/2	48.85
1/2	31.84	10 x 2 x 3/16	14.53
		1/4	19.02
		5/16	23.34
		3/8	27.48

**Rectangular Tubing (Cont'd) LENGTHS – 20, 24, 30, 36, 40, 48 & 60 Ft.**

Size & Wall	Weight per Foot	Size & Wall	Weight per Foot
10 x 3 x 3/16	15.81	12 x 8 x 3/16	24.73
1/4	20.72	1/4	32.63
5/16	25.47	5/16	40.35
10 x 4 x 3/16	17.08	3/8	47.90
1/4	22.42	1/2	62.46
5/16	27.59	5/8	76.33
3/8	32.58	14 x 4 x 1/4	29.23
1/2	42.05	5/16	36.10
10 x 5 x 3/8	35.13	3/8	42.79
10 x 6 x 3/16	19.63	14 x 6 x 1/4	32.63
1/4	25.82	5/16	40.35
5/16	31.84	3/8	47.90
3/8	37.69	1/2	62.46
1/2	48.85	14 x 10 x 5/16	48.86
5/8	59.31	3/8	58.10
10 x 8 x 3/16	22.18	1/2	76.07
1/4	29.23	16 x 4 x 1/4	32.63
5/16	36.10	5/16	40.35
3/8	42.79	3/8	47.90
1/2	55.66	1/2	62.46
12 x 2 x 3/16	17.10	16 x 8 x 5/16	48.86
1/4	22.42	3/8	58.10
3/8	32.57	1/2	76.07
12 x 3 x 1/4	24.12	18 x 6 x 5/16	48.86
12 x 4 x 3/16	19.63	3/8	58.11
1/4	25.82	1/2	76.07
5/16	31.84	20 x 4 x 3/8	58.10
3/8	37.69	1/2	76.07
1/2	48.85	20 x 8 x 3/8	68.31
12 x 6 x 3/16	22.18	1/2	89.68
1/4	29.23	20 x 12 x 3/8	78.52
5/16	36.10	1/2	103.30
3/8	42.79		
1/2	55.66		
5/8	67.82		

# Standard Expanded Metal

## Expanded Metal — Diamond Patterns Carbon Steel — Safe-T-Mesh — Standard

Style	114 Lbs per 100 Sq. Ft	4		8		.25		1.00		.16		.07		.048		.0		.147	
		Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Size (inches)		Approx. Strand Size (Inches)		Overall Thickness		Number of Designs Per Ft.		Open Area					
		Width SWD	Length LWD	Width SWD	Length LWD	Width SWO	Length LWO												
48 12																			
38																			
1/2" #20	43	4	8	.50	1.20	.44	.97	.036	.072	.140	24	10	76						
1/2" #18	70	4&6	8	.50	1.20	.42	.94	.048	.086	.172	24	10	68						
1/2" #16	86	4	8&10	.50	1.20	.38	.90	.060	.087	.175	24	10	60						
1/2" #13	147	4	8&10	.50	1.20	.33	.88	.092	.096	.204	24	10	67						
3/4" #16	54	4&6	8,4&10	.92	2.00	.78	1.69	.060	.101	.210	13	6	80						
3/4" #13	80	4&6	8,4&10	.92	2.00	.80	1.63	.092	.096	.205	13	6	74						
3/4" #10 (13 ga.)	120	4&6	8	.92	2.00	.70	1.61	.092	.144	.290	13	6	71						
3/4" #9 (10 ga.)	180	4&6	8,4&10	.92	2.00	.66	1.52	.134	.150	.312	13	6	65						
1" #16	44	4	8	1.00	2.40	.90	2.03	.060	.087	.192	12	5	87						
1-1/2" #16	40	4	8	1.33	3.00	1.25	2.61	.060	.108	.230	9	4	86						
1-1/2" #13	60	4&6	8&10	1.33	3.00	1.23	2.55	.092	.105	.242	9	4	85						
1-1/2" #10 (13 ga.)	79	4&6	8	1.33	3.00	1.19	2.50	.092	.138	.284	9	4	81						

# Flattened Expanded Metal

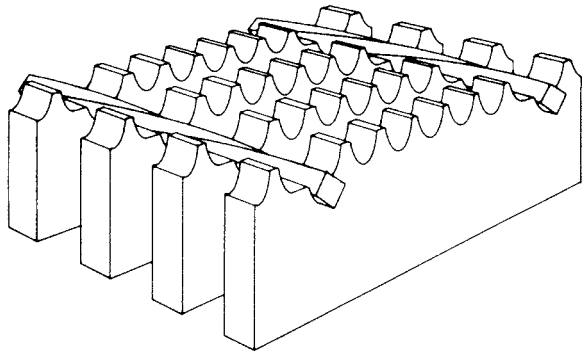
## Carbon Steel – Flattened

Style	Lbs per 100 Sq. Ft.	Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Size (inches)		Approx. Strand Size (inches)	Overall Thickness Inches	Number of Designs Per Ft.		(% Open Area)
		Width SWD	Length LWD	Width SWD	Length LWD	Width SWO	Length LWO			SWD	LWD	
1/4" #18F	108	4	8	.25	1.05	.13	.72	.040	.040	48	11.6	37
1/2" #20F	40	3&4	8	.50	1.25	.38	.94	.029	.029	24	9.5	70
1/2" #18F	66	3&4	8	.50	1.25	.31	1.00	.039	.039	24	9.5	63
1/2" #16F	82	3&4	8,4&10	.50	1.25	.31	1.00	.050	.050	24	9.5	62
1/2" #13F	140	3&4	8,4&10	.50	1.25	.28	1.00	.070	.070	24	L2::	55
3/4" #16F	51	3&4	8,4&10	.92	2.10	.72	1.78	.048	.111	13	5.7	75
3/4" #14F	63	3&4	8,4&10	.92	2.10	.72	1.75	.061	.105	13	5.7	73
3/4" #13F	75	3&4	8,4&10	.92	2.10	.72	1.72	.070	.106	13	5.7	76
3/4" #9F (10 ga.)	171	3&4	8,10&12	.92	2.10	.56	1.63	.120	.165	13	5.7	58
1" #16F	41	4	8	1.00	2.50	.88	2.16	.050	.098	12	4.7	79
1-1/2" #16F	41	4	8	1.33	3.20	1.00	2.59	.048	.119	9	3.7	71
1-1/2" #14F	46	4	8	1.33	3.20	1.09	2.72	.060	.134	9	3.7	76

# Standard Grating

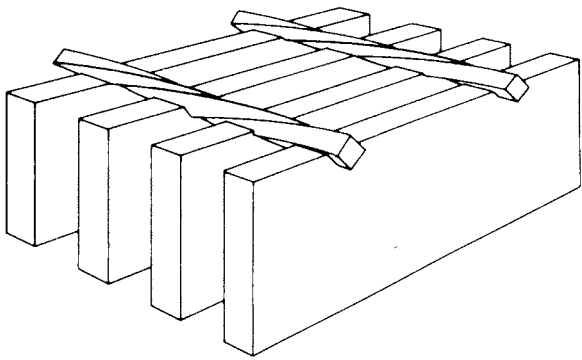
Style	Lbs per 100 Sq. Ft	Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Size (inches)		Approx. Strand Size (inches)	Overall Thickness	Number of Designs Per Ft.		(% Open Area)
		Width SWD	Length LWD	Width SWD	Length LWD	Width SWO	Length LWO			Inches	SWD	
3.0 #	300	4 & 6	8, 6&12	1.33	5.33	.940	3.44	.183	.540	9	2.25	60
3.14 #	314	4	8&10, 6&10	2.00	6.00	1.625	4.88	.250	.656	6	2	69
4.0 #	400	4&6	8&10, 5&10	1.33	5.33	.940	3.44	.215	.618	9	2.25	55
4.27 #	427	4&6	8&10	1.41	4.00	1.00	2.88	.250	.625	8.5	3	58
5.0 #	500	4	8&10, 5&10	1.33	5.33	.813	3.38	.250	.655	9	2.25	50
6.25 #	625	4&6	8, 4&12	1.41	5.33	.813	3.38	.312	.715	8.5	2.25	50

# Bar Grating



**SERRATED STEEL BAR GRATING**

**STANDARD STEEL BAR GRATING**



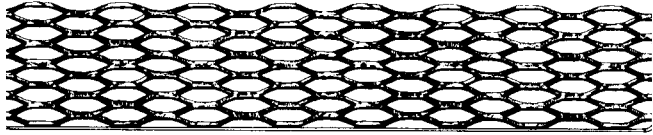
# Bar Grating

	STANDARD MESH		CLOSE MESH	
	19-W-4	19-W-2	15-W-4	15-W-2
Top View				
Bearing Bars C to C	19/16"	19/16"	15/16"	15/16"
Cross Bars C to C	4"	2"	4"	2"
Specify For:	General Duty Applications	Smaller Openings	Heavier Loads Smaller Openings	Heaviest Loads Smallest Openings

## WEIGHT IN LBS. PER SQ. FT.

BEARING BARS	CROSS BARS	TYPE 19-W-4	TYPE 19-W-2	TYPE 15-W-4	TYPE 15-W-2
3/4 x 1/8	2 x 3/16	5/16	12.62	13.48	15.98
3/4 x 3/16	2-1/4 x	5/16	14.30	15.16	18.14
1 x 1/8	3/16	5/16	15.87	16.74	20.16
1 x 3/16	2-1/2 x 3/16	5/16	17.55	18.42	22.32
1-1/4 x 1/8	1/4	3.99	4.63	4.95	5.59
1-1/4 x 3/16	1/4	5.67	6.31	7.11	7.75
1-1/2 x 1/8	1/4	5.15	5.79	6.44	7.08
1-1/2 x 3/16	1/4	7.35	7.99	9.27	9.91
1-3/4 x 1/8	1/4	6.20	6.84	7.79	8.43
1-3/4 x 3/16	1/4	9.03	9.67	11.43	12.07
2 x 1/8	5/16	7.35	7.99	9.27	9.91
2 x 3/16	5/16	10.94	11.80	13.82	14.68

# Stairtread Grating



U. S. Pat. No. 3,406,608

A one-piece fabricated stair-tread furnished with red oxide paint.  
 Advantages: Economy. Ease of installation. Strength.  
 Maintenance Free.

## STANDARD SIZE AND WEIGHT

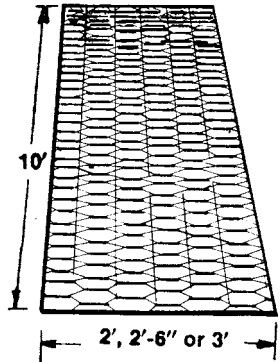
STYLE	SIZE	APPROXIMATE SHIPPING WT.
#4 Niles Unitread	8-1/2" x 24"	10.7 lbs.
#4 Niles Unitread	8-1/2" x 30"	12.9 lbs.
#4 Niles Unitread	9-1/4" x 30"	16.2 lbs.

# Catwalk Grating

## CATWALK

10' sections of grating designed primarily for platforms and pedestrian walkways. Long way of diamond runs across width for added strength.

Advantages: Economy, Strength, Ease of Fabrication and Field Handling.



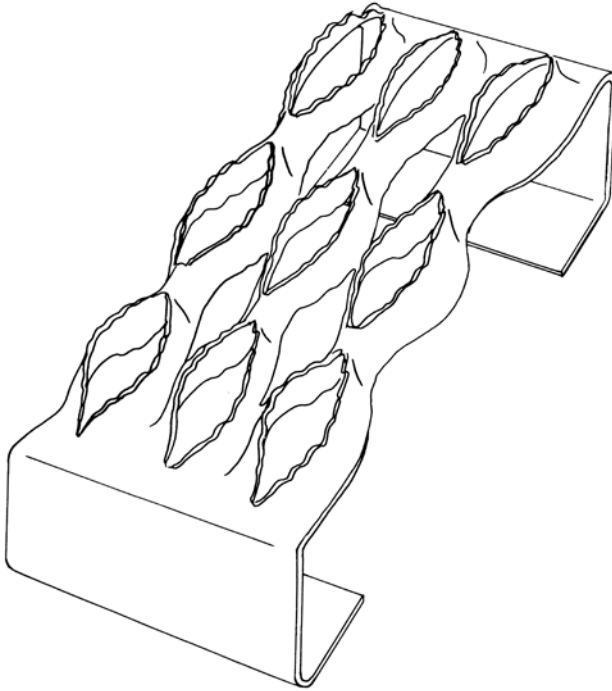
## STANDARD SIZE AND WEIGHT

STYLE	10' x 2'	10' x 2'6"	10' x 3'
Lbs. Per Sq. Ft.			
3	60 lbs.	75 lbs.	90 lbs.
3.14	63 lbs.	79 lbs.	94 lbs.
4	80 lbs.	100 lbs.	120 lbs.
4.27	85 lbs.	107 lbs.	128 lbs.
5	100 lbs.	125 lbs.	150 lbs.

Weights, Gauges, Dimensions and Sizes listed above are subject to mill tolerances.



# Grip Strut



## WEIGHTS PER LINEAR FOOT

Material	Channel	Width					
		4-3/4"	7"	9-1/2"	11-3/4"	18-3/4"	24"
Steel 14 Gauge	1-1/2"	2.4	3.1	3.8	4.4	6.1	7.4
	2"	2.6	3.3	4.1	4.7	6.3	
	2-1/2"	3.1	3.8	4.4	5.0	6.6	
Steel 12 Gauge	1-1/2"	3.2	4.2	5.1	6.0	8.5	10.4
	2"	3.6	4.6	5.5	6.4	8.9	
	2-1/2"	4.2	5.1	6.0	6.96	9.2	
	3"		5.5	6.4	7.1	9.6	11.1

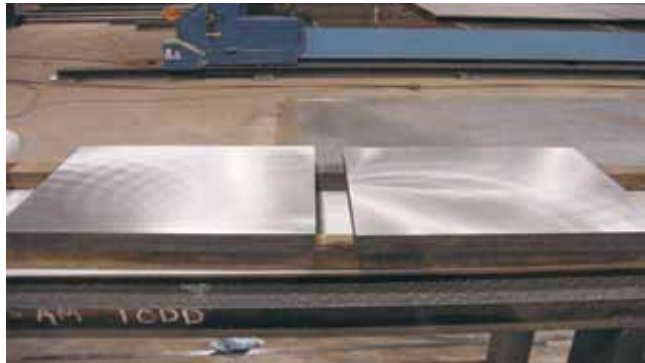
**Grip Strut® - Safety Grating**  
**Galvanized Steel**



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## Blanchard Plate Grinding

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# Re Rod

Bar No.	Bar Size in Inches	Diameter in Inches	Weight per Ft. in Lbs.
2	1/4 rd.	0.250	0.167
3	3/8 rd.	0.375	0.376
4	1/2 rd.	0.500	0.668
5	5/8 rd.	0.625	1.043
6	3/4 rd.	0.750	1.502
7	7/8 rd.	0.875	2.044
8	1 rd.	1.000	2.670
9	1-1/8 rd.	1.128	3.400
10	1-1/4 rd.	1.270	4.303

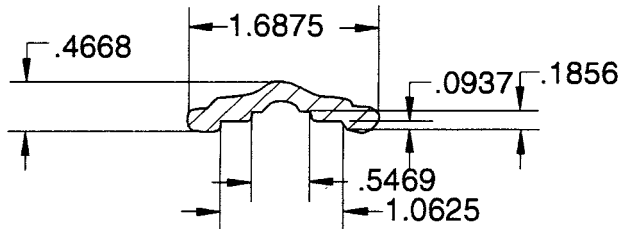
# Moulded Cover Bar

For	Wt. Per Ft.	Per 20' Bar
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1/2" / 1" Combination  
See Drawing Below

1.50

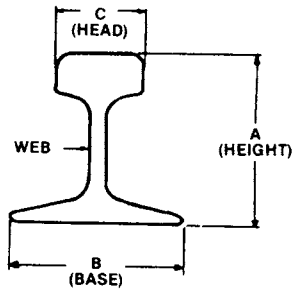
30.00



# Threaded Rod

Size	Length	Wt./Ft.	Wt./12'
1/4"	12'	.167	2.00
3/8"	12'	.376	4.51
1/2"	12'	.668	8.02
5/8"	12'	1.040	12.48
3/4"	12'	1.500	18.00
1"	12'	2.670	32.04

# Rail



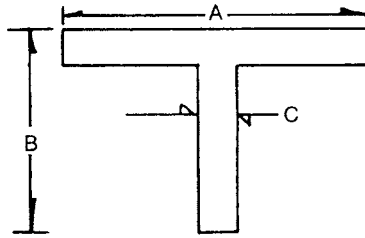
**RAIL SECTIONS**

WEIGHT PER YARD	NAME	NUMBER	A HEIGHT	B BASE	C HEAD
25	A.S.C.E.	2540	2-3/4"	2-3/4"	1-1/2"
30	A.S.C.E.	3040	3-1/8"	3-1/8"	1-11/16"
40	A.S.C.E.	4040	3-1/2"	3-1/2"	1-7/8"
60	A.S.C.E.	6040	4-1/4"	4-1/4"	2-3/8"
85	A.S.C.E.	8540	5-3/16"	5-3/16"	2-9/16"

**Call Contractors Steel Company  
for all your rail  
accessories and services:**

**Hole Punching & Drilling  
Hook Bolts  
Splice Bars  
Rail Clips  
Crane Stops**

# Bar Size Tees



"A" Flange in Inches	x	"B" Stem in Inches	x	"C" Thickness in Inches	Weight in Lbs.	
					Per Ft.	20 ft. Bar
3/4	x	3/4	x	1/8	.59	11.80
1	x	1	x	1/8	.85	17.00
1-1/2	x	1-1/2	x	1/8	1.37	27.40
				3/16	1.90	38.00
2	x	2	x	1/4	3.62	72.40

**“We Split Tees From  
I.B. & W.F. Beams  
to Meet your Requirements”**

# Galvanized Sheets

Thk	Size	Wt. Per Sq. Ft.	Wt. Per Piece
10 Ga.	36 x 96	5.781	138.74
	36 x 120		173.43
	48 x 96		185.00
	48 x 120		231.24
12 Ga.	36 x 96	4.531	108.74
	36 x 120		135.93
	48 x 96		145.00
	48 x 120		181.24
14 Ga.	36 x 96	3.281	78.74
	36 x 120		98.43
	48 x 96		105.00
	48 x 120		131.24
16 Ga.	36 x 96	2.656	63.74
	36 x 120		79.68
	48 x 96		85.00
	48 x 120		106.24
18 Ga.	36 x 96	2.156	51.74
	36 x 120		64.68
	48 x 96		69.00
	48 x 120		86.24
20 Ga.	36 x 96	1.656	39.8
	36 x 120		49.7
	48 x 96		53.0
	48 x 120		66.2
22 Ga.	36 x 96	1.406	33.8
	36 x 120		42.2
	48 x 96		45.0
24 Ga.	48 x 120	1.156	56.2
	36 x 96		27.8
	36 x 120		34.7
	48 x 96		37.0

# Miscellaneous Galvanized

Size	Wt. per Foot	Wt Per 20' Length
3/8" Round	.41	8.27
1/2" Round	.73	14.69
5/8" Round	1.14	22.88
3/4" Round	1.65	33.00
1" Round	2.93	58.74
3/4 x 3/4 x 1/8 Angle	.65	13.00
1 x 1 x 1/8 Angle	.88	17.60
1-1/2 x 1-1/2 x 1/8 Angle	1.35	27.06
2 x 2 x 1/8 Angle	1.81	36.30
1-1/2 x 1-1/2 x 3/16 Angle	1.98	39.60
1-1/2 x 1-1/2 x 1/4 Angle	2.57	51.48
2 x 2 x 3/16 Angle	2.69	53.68
2 x 2 x 1/4 Angle	3.50	70.18
2-1/2 x 2-1/2 x 1/4 Angle	4.51	90.20
3 x 3 x 1/4 Angle	5.39	107.80
3-1/2 x 3 x 1/4 Angle	5.61	112.32
5 x 3-1/2 x 1/4 Angle	7.70	154.00
4 x 3-1/2 x 5/16 Angle	8.47	169.40
5 x 3-1/2 x 5/16 angle	9.60	192.00
3" Channel 4.1#	4.51	90.20
4" Channel 5.4#	5.94	118.80
5" Channel 6.7#	7.37	147.40
6" Channel 8.2#	9.02	180.40

**ADDITIONAL SIZES OF  
BARS AND STRUCTURALS  
CAN BE QUICKLY GALVANIZED.  
CALL FOR PROMPT DELIVERY.**



**RAILCAR SHIPMENTS IN FIN MILLS DAILY**

# Carbon Steel Compositions

## Standard Steels – Nonresulphurized

	AISI NO.*	C	Mn	P Max.	S Max.	SAE No.
	1008	0.10 max.	0.30-0.50	.040	.050	
	1010	0.08-0.13	0.30-0.60	.040	.050	1010
	1012	0.10-0.15	0.30-0.60	.040	.050	1012
	1015	0.13-0.18	0.30-0.60	.040	.050	1015
	1016	0.13-0.18	0.60-0.90	.040	.050	1016
	1017	0.15-0.20	0.30-0.60	.040	.050	1017
	1018	0.15-0.20	0.60-0.90	.040	.050	1018
	1019	0.15-0.20	0.70-1.00	.040	.050	1019
M	1020	0.18-0.23	.030-0.60	.040	.050	1020
	1020	0.17-0.24	0.25-0.60	.040	.050	
	1021	0.18-0.23	0.60-0.90	.040	.050	1021
	1022	0.18-0.23	0.70-1.00	.040	.050	1022
	1023	0.20-0.25	0.30-0.60	.040	.050	1023
	1024	0.19-0.25	1.35-1.65	.040	.050	1024
	1025	0.22-0.28	0.30-0.60	.040	.050	1025
	1026	0.22-0.28	0.60-0.90	.040	.050	1026
	1027	0.22-0.29	1.20-1.50	.040	.050	1027
	1029	0.25-0.31	0.60-0.90	.040	.050	
	1030	0.28-0.34	0.60-0.90	.040	.050	1030
	1035	0.32-0.38	0.60-0.90	.040	.050	1035
	1036	0.30-0.37	1.20-1.50	.040	.050	1036
	1037	0.32-0.38	0.70-1.00	.040	.050	1037
	1038	0.35-0.42	0.60-0.90	.040	.050	1038
	1039	0.37-0.44	0.70-1.00	.040	.050	1039
	1040	0.37-0.44	0.60-0.90	.040	.050	1040
	1041	0.36-0.44	1.35-1.65	.040	.050	1041
	1042	0.40-0.47	0.60-0.90	.040	.050	1042
M	1043	0.40-0.47	0.70-1.00	.040	.050	1043
	1044	0.43-0.50	0.30-0.60	.040	.050	1044
	1044	0.40-0.50	0.25-0.60	.040	.050	
	1045	0.43-0.50	0.60-0.90	.040	.050	1045
	1046	0.43-0.50	0.70-1.00	.040	.050	1046
	1048	0.44-0.52	1.10-1.40	.040	.050	1048
	1049	0.46-0.53	0.60-0.90	.040	.050	1049
	1050	0.48-0.55	0.60-0.90	.040	.050	1050
	1051	0.45-0.56	0.85-1.15	.040	.050	
	1052	0.47-0.55	1.20-1.50	.040	.050	1052
	1053	0.48-0.55	0.70-1.00	.040	.050	
	1055	0.50-0.60	0.60-0.90	.040	.050	1055
	1060	0.55-0.65	0.60-0.90	.040	.050	1060
	1070	0.65-0.75	0.60-0.90	.040	.050	1070
	1078	0.72-0.85	0.30-0.60	.040	.050	1078
	1080	0.75-0.88	0.60-0.90	.040	.050	1080



## Carbon Steel Compositions (Cont.d)

1084	0.80-0.93	0.60-0.90	.040	.050	1084
1090	0.85-0.98	0.60-0.90	.040	.050	1090

\*Prefix M denotes merchant quality grades with wider carbon and manganese ranges than standard steels; all others are basic open hearth or oxygen process steels.

**When Silicon is required**, the following ranges and limits are commonly used for basic open-hearth steel grades:

Standard Steel Designation	Silicon Ranges or Limits
Up to 1015 Excl. ....	0.10 max.
1015 to 1025 incl. ....	0.10 max., 0.10/0.20, or 0.15/0.30
Over 1025 .....	0.10/0.20, or 0.15/0.30

**When lead or copper are required**, they are added elements to a standard steel. Lead is generally added in amounts ranging from 0.15 to 0.35%. Such a steel is identified by inserting the letter "L" between the second and third numerals of the AISI number (example: 10L 18).

## A36 - Structural Steel

### Chemical Requirements

	SHAPES		BARS AND BAR SHAPES		
	All Thicknesses	To 3/4 in. Thick, incl.	Over 3/4 to 1-1/2 in. Thick, incl.	Over 1-1/2 to 4 in. Thick, incl.	Over 4 in. Thick
Carbon, max. %	0.26	0.26	0.27	0.28	0.29
Manganese, %	_____	_____	0.60-0.90	0.60-0.90	0.60-0.90
Phosphorus, max. %	0.04	0.04	0.04	0.04	0.04
Sulphur, max. %	0.05	0.05	0.05	0.05	0.05
Copper, min. % when copper steel is specified	0.20	0.20	0.20	0.20	0.20

### PLATES

	To 3/4 in. Thick, incl.	Over 3/4 to 1-1/2 in. Thick, incl.	Over 1-1/2 to 2-1/2 in. Thick, incl.	Over 2-1/2 to 4 in. Thick, incl.	Over 4 in. Thick
Carbon, max. %	0.25	0.25	0.26	0.27	0.29
Manganese, %	_____	0.80-1.20	0.80-1.20	0.85-1.20	0.85-1.20
Phosphorus, max. %	0.04	0.04	0.04	0.04	0.04
Sulphur, max. %	0.05	0.05	0.05	0.05	0.05
Silicon, %	_____	_____	0.15-0.30	0.15-0.30	0.15-0.30
Copper, min. % when copper steel is specified	0.20	0.20	0.20	0.20	0.20

## TENSILE REQUIREMENTS\*

Tensile Strength, psi.....	58,000 to 80,000
Yield Point, Min., psi.....	36,000
Elongation in 8 in., Min., per cent.....	20 <sup>1</sup>
Elongation in 2 in., Min., per cent.....	23 <sup>2</sup>

<sup>1</sup> Modified for material under 5/16" or over 3/4" thick.

<sup>2</sup> Modified for material over 3-1/2" thick.



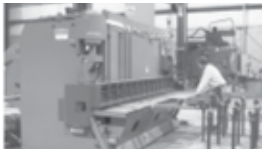
**COIL LEVELING - FLAT SHEET AND PLATE**



**BEAM CAMBERING**



**PLATE ROLLING**



**PLATE SHEARING**



**PRESS BRAKING**  
UP TO 20" LONG



**PLATE BURNING**  
FLAME/PLASMA CUT  
HI-DEFINITION PLASMA CUT



**SAW CUTTING**  
COMPUTERIZED, STRAIGHT/MITRE CUT  
AUTOMATIC FEED



**LASER BURNING**  
PRECISION CUT UP TO 1"  
THICK PLATE  $\pm 0.10$



**STRUCTURAL ROLL**  
ROLLING BARS, ANGLES  
CHANNELS, BEAMS, TUBES



**TEE SPLITTING**  
ROTARY SHEAR