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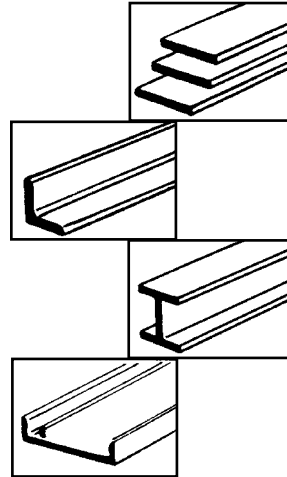
Welding

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SERVICING THE TRI-STATE AREA



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METRIC SYSTEM

LENGTH — Basic unit is meter (m)

Metric Unit	Meters	Inches	Feet	Yards	Miles
Millimeter (mm)	.001	—	—	—	—
Centimeter (cm)	.01	.3937	—	—	—
Decimeter (dm)	.1	3.937	.3281	.1094	—
Meter (m)	1	39.37	3.281	1.094	—
Decameter (dkm)	10	393.7	32.81	10.94	—
Hectometer (hm)	100	3937	328.1	109.4	—
Kilometer (km)	1000	—	3281	1094	.6214

To convert

In. to Millimeters – multiply by 25.4	Yards to Meters – multiply by .9144
Millimeters to In. – multiply by .03937	Meters to Yards – multiply by 1.094
Feet to Meters – multiply by .3048	Miles to Kilometers – multiply by 1.609
Meters to Feet – multiply by 3.281	Kilometers to Miles – multiply by .6214

AREA — Basic unit is centare (ca) which is 1 square meter

Metric Unit	Centares	Square Inches	Square Feet	Square Yards	Acres
Sq. Millimeter (sq. mm)	.000001	—	—	—	—
Sq. Centimeter (sq. cm)	.0001	15.50	—	—	—
Sq. Decimeter (sq. dm)	.01	15.50	.1076	—	—
Centare/Sq. Meter (ca/sq. m)	1	1550	10.76	1.196	—
Acre (a)	100	—	1076	119.6	—
Hectare (ha)	10,000	—	—	—	2.471
Sq. Kilometer (sq. km)	1,000,000	—	—	—	247.1

To convert

Sq. in. to Sq. cm – multiply by 6.452	Acres to Hectares – multiply by .4047
Sq. cm to Sq. in. – multiply by 1550	Hectares to Acres – multiply by 2.471
Sq. Ft. to Sq. m. – multiply by .0929	Acres to Sq. km. – multiply by .004047
Sq. m. to Sq. Ft. – multiply by 10.76	Sq. km. to Acres – multiply by 247.1
Sq. Yds. to Sq. m. – multiply by 8361	Sq. Miles to Sq. km. – multiply by 2.590
Sq. m. to Sq. Yds. – multiply by 1.198	Sq. km. to Sq. Miles – multiply by .3861

VOLUME — Basic unit is stere (s) which is 1 cubic meter

Metric Unit	Steres	Cubic Inch	Cubic Foot	Cubic Yards
Cu. Millimeter (cu mm)	.000000001	—	—	—
Cu. Centimeter (cu cm)	.000001	.06102	—	—
Cu. Decimeter (cu dm)	.001	61.023	—	—
Decistere (ds)	.1	6102.3	3.531	.1308
Stere/Cu. Meter (s/cu m)	1	61023	35.31	1.308
Decastere (dks)	10	—	353.1	13.08

To convert

Cu. in. to Cu. mm – multiply by 1639	Cu. Ft. to Cu. m – multiply by .0283
Cu. mm to Cu. in. – multiply by .000061	Cu. m to Cu. Ft. – multiply by 35.31
Cu. in. to Cu. cm – multiply by 16.39	Cu. Yds. to Cu. m – multiply by .7646
Cu. cm to Cu. in. – multiply by .06102	Cu. m to Cu. Yds. – multiply by 1.308

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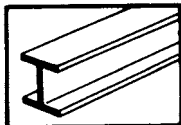
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ALL DATA IS SUPPLIED AS A GUIDE, AND TO BE USED AS APPROXIMATIONS ONLY.

NOT RESPONSIBLE FOR ERRORS OR OMISSIONS.





Wide Flange & H Beams
ASTM-A36/A572

Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
4 x 4	13.0	4.16	4.06	.345	.280
5 x 5	16.0	5.01	5.00	.360	.240
6 x 4	19.0	5.15	5.03	.430	.270
	9.0	5.90	3.94	.215	.170
6 x 6	12.0	6.03	4.00	.280	.230
	16.0	6.28	4.03	.405	.260
6 x 6 1/2	15.0	5.99	5.99	.260	.230
	20.0	6.20	6.02	.365	.260
8 x 4	6.0	6.38	6.08	.455	.320
	10.0	7.89	3.94	.205	.170
8 x 5 1/4	13.0	7.99	4.00	.255	.230
	15.0	8.11	4.015	.315	.245
8 x 6 1/2	18.0	8.14	5.25	.330	.230
	21.0	8.28	5.27	.400	.250
8 x 8	24.0	7.93	6.495	.400	.245
	28.0	8.06	6.535	.465	.285
8 x 8 1/2	31.0	8.00	7.995	.435	.285
	35.0	8.12	8.02	.495	.310
8 x 8 3/4	40.0	8.25	8.07	.560	.360
	48.0	8.50	8.11	.685	.400
10 x 4	58.0	8.75	8.22	.810	.510
	67.0	9.00	8.28	.935	.570
10 x 5 3/4	12.0	9.87	3.96	.210	.190
	15.0	9.99	4.00	.270	.230
10 x 8	17.0	10.11	4.01	.330	.240
	19.0	10.24	4.02	.395	.250
10 x 8 1/2	22.0	10.17	5.75	.360	.240
	26.0	10.33	5.77	.440	.260
10 x 8 3/4	30.0	10.47	5.810	.510	.300
	33.0	9.73	7.96	.435	.290
10 x 8 1/2	39.0	9.92	7.985	.530	.315
	45.0	10.10	8.02	.620	.350

"YOUR COMPLETE SERVICE CENTER"

WEIGHT FORMULAS
LBS, PER LINEAL FOOT

ROUNDS



Steel:
 $2.6729 \times D^2$
 Aluminum:
 $.924 \times D^2$
 D=Size, Inches

SQUARES



Steel:
 $3.4032 \times D^2$
 Aluminum:
 $1.18 \times D^2$
 D=Size, Inches

HEXAGONS



Steel:
 $2.9473 \times D^2$
 Aluminum:
 $1.02 \times D^2$
 D=Size, Inches

OCTAGONS



Steel:
 $2.8193 \times D^2$
 Aluminum:
 $.974 \times D^2$
 D=Size, Inches

FLATS



Steel:
 $3.4032 \times T \times W$
 Aluminum:
 $1.20 \times T \times W$
 T=Thickness, In.
 W=Width, Inches

TUBING



Steel:
 $10.68 \times (OD-W) \times W$
 Aluminum:
 $3.70 \times (OD-W) \times W$
 OD=OD, Inches
 W=Wall, Inches

CIRCLES



Steel:
 $.22274 \times T \times D^2$
 Aluminum:
 $.077 \times T \times D^2$
 D=Diameter, In.
 T=Thickness, In.

RINGS

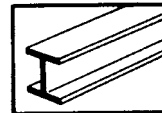


Steel:
 $.22274 \times T \times (OD^2-ID^2)$
 Aluminum:
 $.077 \times T \times (OD^2-ID^2)$
 OD=OD, Inches
 ID=ID, Inches
 T=Thickness, In.





"YOUR COMPLETE SERVICE CENTER"



DECIMAL EQUIVALENTS OF FRACTIONS OF AN INCH

INCH	DECIMAL	INCH	DECIMAL
1/64	0.015625	33/64	0.515625
1/32	0.03125	17/32	0.53125
3/64	0.046875	35/64	0.546875
1/16	0.0625	9/16	0.5625
5/64	0.078125	37/64	0.578125
3/32	0.09375	19/32	0.59375
7/64	0.109375	39/64	0.609375
1/8	0.125	5/8	0.625
9/64	0.140625	41/64	0.640625
5/32	0.15625	21/32	0.65625
11/64	0.171875	43/64	0.671875
3/16	0.1875	11/16	0.6875
13/64	0.203125	45/64	0.703125
7/32	0.21875	23/32	0.71875
15/64	0.234375	47/64	0.734375
1/4	0.25	3/4	0.75
17/64	0.265625	49/64	0.765625
9/32	0.28125	25/32	0.78125
19/64	0.296875	51/64	0.796875
5/16	0.3125	13/16	0.8125
21/64	0.328125	53/64	0.828125
11/32	0.34375	27/32	0.84375
23/64	0.359375	55/64	0.859375
3/8	0.375	7/8	0.875
25/64	0.390625	57/64	0.890625
13/32	0.40625	29/32	0.90625
27/64	0.421875	59/64	0.921875
7/16	0.4375	15/16	0.9375
29/64	0.453125	61/64	0.953125
15/32	0.46875	31/32	0.96875
31/64	0.484375	63/64	0.984375
1/2	0.50	1	1.00000

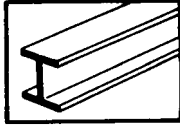
Wide Flange & H Beams ASTM-A36/A572

Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
10 x 10	49.0	9.98	10.00	.560	.340
	54.0	10.09	10.03	.615	.370
	60.0	10.22	10.08	.680	.420
10 x 10 1/8	68.0	10.40	10.13	.770	.470
	77.0	10.60	10.19	.870	.530
	88.0	10.84	10.265	.990	.605
10 x 10 3/8	100.0	11.10	10.34	1.120	.685
	112.0	11.36	10.415	1.250	.755
	14.0	11.91	3.97	.225	.200
12 x 4	16.0	11.99	3.99	.265	.220
	19.0	12.16	4.005	.350	.235
	22.0	12.31	4.03	.425	.260
12 x 6 1/2	26.0	12.22	6.49	.380	.230
	30.0	12.34	6.52	.440	.260
	35.0	12.50	6.56	.52	.300
12 x 8	40.0	11.94	8.005	.515	.295
	45.0	12.06	8.045	.575	.335
	50.0	12.19	8.08	.640	.370
12 x 8 1/8	53.0	12.06	9.995	.575	.345
	58.0	12.19	10.01	.640	.360
	65.0	12.12	12.00	.605	.390
12 x 12	72.0	12.25	12.04	.670	.430
	79.0	12.38	12.08	.735	.470
	87.0	12.53	12.125	.810	.515
12 x 12 1/8	96.0	12.71	12.16	.900	.550
	106.0	12.89	12.22	.990	.610
	120.0	13.12	12.32	1.105	.710
12 x 12 3/8	136.0	13.41	12.40	1.250	.790
	152.0	13.71	12.48	1.400	.870
	170.0	14.03	12.570	1.560	.960
12 x 12 1/2	190.0	14.38	12.67	1.735	1.060





Wide Flange & H Beams
ASTM-A36/A572



Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
14 x 5	22.0	13.74	5.00	.335	.230
	26.0	13.91	5.025	.420	.255
14 x 6 3/4	30.0	13.84	6.73	.385	.270
	34.0	13.98	6.745	.455	.285
	38.0	14.10	6.77	.515	.310
14 x 8	43.0	13.66	7.995	.530	.305
	48.0	13.79	8.03	.595	.340
	53.0	13.92	8.06	.660	.370
14 x 10	61.0	13.89	9.995	.645	.375
	68.0	14.04	10.035	.720	.415
14 x 10 1/8	74.0	14.17	10.07	.785	.450
14 x 14 1/2	92.0	14.31	10.13	.855	.510
14 x 14 5/8	90.0	14.02	14.52	.710	.440
	99.0	14.16	14.56	.780	.485
	109.0	14.32	14.605	.860	.525
	120.0	14.48	14.67	.94	.59
14 x 14 3/4	132.0	14.66	14.725	1.03	.643
14 x 15 1/2	145.0	14.78	15.50	1.09	.68
14 x 15 5/8	159.0	14.98	15.565	1.19	.0745
	176.0	15.22	15.650	1.31	.830
14 x 15 3/4	193.0	15.48	15.71	1.44	.890
	211.0	15.72	15.80	1.56	.980
14 x 15 7/8	233.0	16.04	15.89	1.72	1.07
14 x 16	257.0	16.38	15.995	1.89	1.175
14 x 16 1/8	283.0	16.74	16.110	2.07	1.29
14 x 16 1/4	311.0	17.12	16.23	2.26	1.41
14 x 16 3/8	342.0	17.54	16.36	2.47	1.54
14 x 16 1/2	370.0	17.92	16.475	2.66	1.655
14 x 16 5/8	398.0	18.29	16.59	2.845	1.77
14 x 16 3/4	426.0	18.67	16.695	3.035	1.875
14 x 16 7/8	455.0	19.02	16.835	3.210	2.015
14 x 17	500.0	19.60	17.01	3.50	2.19



Bar Grating Selection Guide
(For Type 194 Welded Grating)

“YOUR COMPLETE SERVICE CENTER”

This table enables the user to select a size (of type 194 grating) that will safely support a given concentrated load at a given span at less than 1/4" deflection.

Tabulated data represents bearing bar cross sectional dimensions.

SIMPLE SUPPORTED SPAN

Conc. Load Lbs.	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"
50	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16
100	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16
150	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 3/16	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16
200	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 3/16	1 X 3/16	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	2 X 3/16
250	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 1/8	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16
300	1 X 1/8	1 X 1/8	1 X 1/8	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16
350	1 X 1/8	1 X 1/8	1 X 3/16	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16
400	1 X 1/8	1 X 1/8	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16	2 X 3/16
450	1 X 1/8	1 X 3/16	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16	2 X 3/16	2 X 3/16
500	1 X 1/8	1 X 3/16	1 X 3/16	1 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/4 X 3/16	1 1/2 X 3/16	2 X 3/16	2 X 3/16	2 X 3/16	2 X 3/16

Examples of Load Conditions:

- 50# Load-Periodic Maintenance and Inspection
- 100# Load-Normal Pedestrian Traffic
- 150# Load-Heavy Pedestrian Traffic with Light Equipment

“Available - Plain, Painted Black & Galvanized”
Other sizes also available
Please Inquire

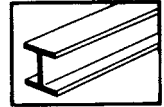


"YOUR COMPLETE SERVICE CENTER"

**Extra Strong Pipe
Welded Black Plain End**
All Weights and Dimension are Nominal

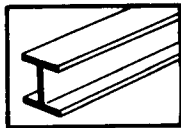
Size Inches	Diameters—Inches		Thickness Inches	Weight per Foot, Plain Ends, Pounds
	External	Internal		
1/8	.405	.215	.095	.314
1/4	.540	.302	.119	.535
3/8	.675	.423	.126	.738
1/2	.840	.546	.147	1.087
3/4	1.050	.742	.154	1.473
1	1.315	.957	.179	2.171
1 1/4	1.660	1.278	.191	2.996
1 1/2	1.900	1.500	.200	3.361
2	2.375	1.939	.218	5.022
2 1/2	2.875	2.323	.276	7.661
3	3.500	2.900	.300	10.252
3 1/2	4.000	3.364	.318	12.505
4	4.500	3.826	.337	14.983
4 1/2	5.000	4.290	.355	17.611
5	5.563	4.813	.375	20.778
6	6.625	5.761	.432	28.573
7	7.625	6.625	.500	38.048
8	8.625	7.625	.500	43.388
10	10.750	9.750	.500	54.735
12	12.750	11.750	.500	65.415

**Wide Flange & H Beams
ASTM-A36/A572**



Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
14 x 17 1/4	550.0	20.24	17.20	3.82	2.38
14 x 17 3/8	605.0	20.92	17.415	4.16	2.595
14 x 17 1/2	665.0	21.64	17.65	4.52	2.83
14 x 17 3/4	730.0	22.42	17.89	4.91	3.07
16 x 5 1/2	26.0	15.69	5.50	.345	.250
	31.0	15.88	5.525	.440	.275
16 x 7	36.0	15.86	6.985	.430	.295
	40.0	16.01	6.995	.505	.305
	45.0	16.13	7.035	.565	.345
16 x 7 1/8	50.0	16.26	7.07	.630	.380
	57.0	16.43	7.12		
16 x 10 1/4	67.0	16.33	10.235	.665	.395
	77.0	16.52	10.295	.760	.455
16 x 10 3/8	89.0	16.75	10.365	.875	.525
	100.0	16.97	10.425	.985	.585
18 x 6	35.0	17.70	6.000	.425	.300
	40.0	17.90	6.015	.525	.315
	46.0	18.06	6.06	.605	.360
18 x 7 1/2	50.0	17.99	7.495	.570	.355
	55.0	18.11	7.530	.630	.390
	60.0	18.24	7.555	.695	.415
18 x 7 3/8	65.0	18.35	7.590	.750	.450
	71.0	18.47	7.635	.810	.495
18 x 11	76.0	18.21	11.035	.680	.425
18 x 11 1/2	86.0	18.39	11.090	.770	.480
	97.0	18.59	11.145	.870	.535
18 x 11 1/4	106.0	18.73	11.200	.940	.590
	119.0	18.97	11.265	1.060	.655
21 x 6 1/2	44.0	20.66	6.500	.450	.350
	50.0	20.83	6.530	.535	.380
	57.0	21.06	6.555	.650	.405





**Wide Flange & H Beams
ASTM-A36/A572**

Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
21 x 8½	62.0	20.99	8.240	.615	.400
	68.0	21.13	8.270	.685	.430
	73.0	21.24	8.295	.740	.455
21 x 8¾	83.0	21.43	8.355	.835	.515
	93.0	21.62	8.420	.930	.580
	101.0	21.36	12.290	.800	.500
21 x 12¾	111.0	21.51	12.340	.875	.555
	122.0	21.68	12.390	.960	.600
21 x 12½	132.0	21.83	12.440	1.035	.650
	147.0	22.06	12.510	1.150	.720
24 x 7	55.0	23.57	7.005	.505	.395
	62.0	23.74	7.040	.590	.430
24 x 9	68.0	23.73	8.965	.585	.415
	76.0	23.92	8.990	.680	.440
	84.0	24.10	9.02	.770	.470
24 x 9 ⅛	94.0	24.31	9.065	.875	.515
24 x 12¾	104.0	24.06	12.750	.750	.500
	117.0	24.26	12.80	.850	.550
24 x 12½	131.0	24.48	12.855	.960	.605
	146.0	24.74	12.900	1.090	.650
24 x 13	162.0	25.00	12.955	1.220	.705
24 x 10	84.0	26.71	9.960	.640	.460
	94.0	26.92	9.990	.745	.490
27 x 10½	102.0	27.09	10.015	.830	.515
	114.0	27.29	10.070	.930	.570
27 x 14	146.0	27.38	13.965	.975	.605
	161.0	27.59	14.020	1.080	.660
27 x 14½	178.0	27.81	14.085	1.190	.725
30 x 10½	99.0	29.65	10.450	.670	.520
	108.0	29.83	10.475	.760	.545
	116.0	30.01	10.495	.850	.565
124.0	30.17	10.515	.930	.585	
	132.0	30.31	10.545	1.000	.615

"YOUR COMPLETE SERVICE CENTER"

**Light Wall Pipe
Black-Plain Ends**

Size	Diameters—Inches		Wall Thickness, Inches	Weight Per Foot, Lbs.
	Outside	Inside		
1	1.315	1.107	.104	1.344
1¼	1.660	1.440	.110	1.816
1½	1.900	1.672	.114	2.176
2	2.375	2.133	.121	2.920
3	3.5	3.124	.188	6.63
3½	4.0	3.624	.188	7.63
4	4.5	4.188	.156	7.25
4	4.5	4.124	.188	8.64
4	4.5	4.062	.219	10.00

**Double Extra Strong Pipe
Welded Black Plain End**

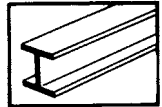
All Weights and dimensions are Nominal

Size Inches	Diameters—Inches		Thickness Inches	Weight per Foot, Plain Ends, Pounds
	External	Internal		
2	2.375	1.503	.436	9.029*
2½	2.875	1.771	.552	13.695
3	3.500	2.300	.600	18.583
3½	4.000	2.728	.636	22.850
4	4.500	3.152	.674	27.541
4½	5.000	3.580	.710	32.530
5	5.563	4.063	.750	38.552
6	6.625	4.897	.864	53.160
7	7.625	5.875	.875	63.079
8	8.625	6.875	.875	72.424





"YOUR COMPLETE SERVICE CENTER"



**Standard Pipe
Welded Black Plain End**

All Weights and Dimensions are Nominal

Size Inches	Diameters, Inches		Thickness Inches	Weight Per Foot, Pounds		Thds. per Inch
	External	Internal		Plain Ends	Thds. and Couplings	
	OD	ID	T			
1/8	.405	.269	.068	.244	.245	27
1/4	.540	.364	.088	.424	.425	18
3/8	.675	.493	.091	.567	.568	18
1/2	.840	.622	.109	.850	.852	14
3/4	1.050	.824	.113	1.130	1.134	14
1	1.315	1.049	.133	1.678	1.684	11 1/2
1 1/4	1.660	1.380	.140	2.272	2.281	11 1/2
1 1/2	1.900	1.610	.145	2.717	2.731	11 1/2
2	2.375	2.067	.154	3.652	3.678	11 1/2
2 1/2	2.875	2.469	.203	5.793	5.819	8
3	3.500	3.068	.216	7.575	7.616	8
3 1/2	4.000	3.548	.226	9.109	9.202	8
4	4.500	4.026	.237	10.790	10.889	8
4 1/2	5.000	4.506	.247	12.538	12.642	8
5	5.563	5.047	.258	14.617	14.810	8
6	6.625	6.065	.280	18.974	19.185	8
7	7.625	7.023	.301	23.544	23.769	8
8	8.625	8.071	.277	24.696	25.000	8
8	8.625	7.981	.322	28.554	28.809	8
9	9.625	8.941	.342	33.907	34.188	8
10	10.750	10.192	.279	31.201	32.000	8
10	10.750	10.136	.307	34.240	35.000	8
10	10.750	10.020	.365	40.483	41.132	8
11	11.750	11.000	.375	45.557	34.247	8
12	12.750	12.090	.330	43.773	45.000	8
12	12.750	12.000	.375	49.562	50.706	8

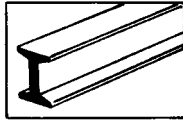
**Wide Flange & H Beams
ASTM-A36/A572**

Section Size	Weight Per Ft. Lb.	Depth of Section Inches	Flange in inches		Web Thickness in Inches
			Width	Thickness	
30 x 15	173.0	30.44	14.985	1.065	.655
	191.0	30.68	15.040	1.185	.710
30 x 15 1/2	211.0	30.94	15.105	1.315	.775
	118.0	32.86	11.480	.740	.550
33 x 11 1/2	130.0	33.09	11.510	.855	.580
	141.0	33.30	11.535	.960	.605
33 x 11 3/4	152.0	33.49	11.565	1.055	.635
33 x 15 3/4	201.0	33.68	15.745	1.150	.715
	221.0	33.93	15.805	1.275	.775
33 x 15 3/8	241.0	34.18	15.860	1.400	.830
	135.0	35.55	11.950	.790	.600
36 x 12	150.0	35.85	11.975	.940	.625
	160.0	36.01	12.000	1.020	.650
36 x 12 1/2	170.0	36.17	12.030	1.100	.680
	182.0	36.33	12.075	1.180	.725
36 x 16 1/2	194.0	36.49	12.115	1.260	.765
	210.0	36.69	12.180	1.360	.830
36 x 16 3/8	230.0	35.90	16.470	1.260	.760
	245.0	36.08	16.510	1.350	.800
36 x 16 3/4	260.0	36.26	16.550	1.440	.840
	280.0	36.52	16.595	1.570	.885
300.0	36.74	16.655	1.680	.945	

All structural steel shapes are ordered to ASTM Specification A36 weldability.

ASTM	Tensile Strength, PSI	Min. Yield Strength, PSI	Carbon Content
A36	58,000-80,000	36,000	.26 max.





I Beams
ASTM-A36/A572

Depth of Beam and Wt. per Ft.	Width of Flange	Thickness of Web
3" x 5.7 lbs.	2.330	.170
7.5 lbs.	2.509	.349
4" x 7.7 lbs.	2.660	.190
9.5 lbs.	2.796	.326
5" x 10.0 lbs.	3.000	.210
6" x 12.5 lbs.	3.330	.230
17.25 lbs.	3.565	.465
7" x 15.3 lbs.	3.660	.250
8" x 18.4 lbs.	4.000	.270
23.0 lbs.	4.171	.441
10" x 25.4 lbs.	4.660	.310
35.0 lbs.	4.944	.594
12" x 31.8 lbs.	5.000	.350
35.0 lbs.	5.078	.428
40.8 lbs.	5.250	.460
50.0 lbs.	5.477	.687
15" x 42.9 lbs.	5.500	.410
50.0 lbs.	5.640	.550
18" x 54.7 lbs.	6.000	.460
70.0 lbs.	6.251	.711
20" x 66.0 lbs.	6.250	.500
75.0 lbs.	6.391	.641
86.0 lbs.	7.000	.688
96.0 lbs.	7.250	.813
24" x 80.0 lbs.	7.000	.500
90.0 lbs.	7.124	.624
100.0 lbs.	7.247	.747
106.0 lbs.	7.875	.625
121.0 lbs.	8.000	.813

Junior Beams
ASTM-A36

Depth of Beam and Wt. per Ft.	Width of Flange in Inches	Thickness of Web in Inches	Area Sq. Inches
6" x 4.4 lbs.	1.84	.114	1.30
8" x 6.5 lbs.	2.28	.135	1.92
10" x 9.0 lbs.	2.69	.155	2.64

"YOUR COMPLETE SERVICE CENTER"

Rectangular Tubing
Structural Steel
ASTM 500 Grade B

Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.	Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.
14 x 10	.3125 ⁵ / ₁₆	48.86	18 x 6	.3125 ⁵ / ₁₆	48.46
	.3750 ³ / ₈	58.10		.3750 ³ / ₈	58.10
	.5000 ¹ / ₂	76.07		.5000 ¹ / ₂	76.07
16 x 4	.3125 ⁵ / ₁₆	40.35	20 x 4	.3125 ⁵ / ₁₆	48.86
	.3750 ³ / ₈	47.90		.3750 ³ / ₈	58.10
	.5000 ¹ / ₂	62.46		.5000 ¹ / ₂	76.07
16 x 8	.2500 ¹ / ₄	39.44	20 x 8	.3125 ⁵ / ₁₆	57.36
	.3125 ⁵ / ₁₆	48.86		.3750 ³ / ₈	68.31
	.3750 ³ / ₈	58.10		.5000 ¹ / ₂	89.68
16 x 12	.5000 ¹ / ₂	76.07	20 x 12	.3125 ⁵ / ₁₆	65.61
	.3125 ⁵ / ₁₆	57.36		.3750 ³ / ₈	78.53
	.3750 ³ / ₈	68.31		.5000 ¹ / ₂	104.03

CUSTOM FABRICATION

Flitch Plates
Lally Columns
Concrete Pan Treads
Diamond Stair Treads
Angle Lintels
Base Plates

Angle Brackets
SHEARING & BENDING
FLAME CUTTING
BAND SAWING
DRILLING & PUNCHING



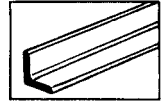


“YOUR COMPLETE SERVICE CENTER”

**Structural Steel
Rectangular Tubing
ASTM 500 Grade B**

Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.	Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.
10 x 2	.1875	3/16	12 x 3	.1875	3/16
	.2500	1/4		.2500	1/4
	.3125	5/16		.3125	5/16
	.3750	3/8		.3750	3/8
10 x 3	.1875	3/16	12 x 4	.1875	3/16
	.2500	1/4		.2500	1/4
	.3125	5/16		.3125	5/16
	.3750	3/8		.3750	3/8
10 x 4	.1875	3/16	12 x 6	.1875	3/16
	.2500	1/4		.2500	1/4
	.3125	5/16		.3125	5/16
	.3750	3/8		.3750	3/8
10 x 6	.1875	3/16	12 x 8	.2500	1/4
	.2500	1/4		.3125	5/16
	.3125	5/16		.3750	3/8
	.3750	3/8		.5000	1/2
10 x 8	.1875	3/16	14 x 4	.2500	1/4
	.2500	1/4		.3125	5/16
	.3125	5/16		.3750	3/8
	.3750	3/8		.5000	1/2
12 x 2	.1875	3/16	14 x 6	.2500	1/4
	.2500	1/4		.3125	5/16
	.3125	5/16		.3750	3/8
	.3750	3/8		.5000	1/2

**Bar Size Angles
ASTM-A36**



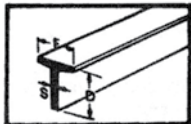
Size in Inches	Est. Weight, Lbs.		Size in Inches	Est. Weight, Lbs.	
	Per Foot	20 Ft. Length		Per Foot	20 Ft. Length
1/2 x 1/2 x 1/8	.38	7.60	2 x 1 1/4 x 3/16	1.96	39.20
				1/4	2.55
5/8 x 5/8 x 1/8	.48	9.60	2 x 1 1/2 x 1/8	1.44	28.80
3/4 x 3/4 x 1/8	.59	11.80		3/16	2.12
	3/16	.84	1/4	2.77	55.40
7/8 x 7/8 x 1/8	.70	14.00	2 x 2 x 1/8	1.65	33.00
				3/16	2.44
1 x 5/8 x 1/8	.64	12.80	1/4	3.19	63.80
	3/4 x 1/8	.70	3/16	3.92	78.40
			3/8	4.70	94.00
1 x 1 x 1/8	.80	16.00	2 1/4 x 1 1/2 x 3/16	2.28	45.60
	3/16	1.16		1/4	2.98
	1/4	1.49	1/4	2.98	59.60
1 1/4 x 1 1/4 x 1/8	1.01	20.20	2 1/2 x 1 1/2 x 3/16	2.44	48.80
	3/16	1.48		1/4	3.19
	1/4	1.92	3/16	3.92	78.40
1 3/8 x 7/8 x 1/8	.91	18.20	2 1/2 x 2 x 3/16	2.75	55.00
	3/16	1.32		1/4	3.62
			3/8	4.50	90.00
1 1/2 x 1 1/4 x 3/16	1.64	32.80	2 1/2 x 2 1/2 x 3/16	3.07	61.40
1 1/2 x 1 1/2 x 1/8	1.23	24.60		1/4	4.10
3/16	1.80	36.00	3/8	5.00	100.00
1/4	2.34	46.80	1/2	5.90	118.00
1 3/4 x 1 1/4 x 1/8	1.23	24.60		7.70	154.00
	3/16	1.80			
1/4	2.34	46.80			
1 3/4 x 1 3/4 x 1/8	1.44	28.80			
	3/16	2.12			
	1/4	2.77			

GALVANIZED ANGLES

Many sizes are available from stock. All other sizes can be quickly GALVANIZED

(908) 686-8222 • Fax (908) 686-4242





Tee's-Bar Sizes
Conforms to A36
Length 20'

F Flange Width Inches	D Depth of Tee Inches	S Stem Thickness Inches	Weight, Pounds	
			Per Ft.	Of 20' Bar
¾	¾	⅛	.62	12.40
		⅙	.85	17.00
1	1	⅜	1.20	24.00
		½	1.09	21.80
1¼	1¼	⅝	1.55	31.00
		¾	1.43	28.60
1½	1½	⅞	1.90	38.00
		1	2.43	48.60
1¾	1¾	1¼	2.26	45.20
		1½	2.90	58.00
2	1½	1¾	3.10	62.00
		2	3.62	72.40
2	2	2¼	4.30	86.00
		2½	4.78	95.60
		2¾	5.50	110.00
2½	2½	3	6.40	128.00

“Split Tee’s from Wide Flange Beams
 Also Available”

Phone: (908) 686-8222

Fax: (908) 686-4242

“YOUR COMPLETE SERVICE CENTER”

Structural Steel
Rectangular Tubing
ASTM 500 Grade B

Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.	Nominal Size In.	Wall Thickness In.	Weight Per Foot Lb.
	.2500 ½	7.11		.2500 ½	15.62
3½ x 1½	.1875 ⅜	5.59		.3125 ⅝	19.08
	.2500 ½	7.11		.3750 ⅞	22.37
				.5000 1½	28.43
3½ x 2½	.1875 ⅜	6.87	7 x 4	.1875 ⅜	13.25
	.2500 ½	8.81		.2500 ½	17.32
	.3120 ⅞	10.58		.3125 ⅝	21.21
4 x 2	.1875 ⅜	6.87		.3750 ⅞	24.93
	.2500 ½	8.81	7 x 5	.1875 ⅜	14.53
	.3125 ⅝	11.08		.2500 ½	19.02
		.3125 ⅝		23.24	
4 x 3	.1875 ⅜	8.15		.3750 ⅞	27.48
	.2500 ½	10.51		.5000 1½	35.24
	.3125 ⅝	12.70			
5 x 2	.1875 ⅜	8.15	8 x 2	.1875 ⅜	11.97
	.2500 ½	10.51		.2500 ½	15.62
	.3125 ⅝	12.70		.3125 ⅝	19.08
5 x 3	.1875 ⅜	9.42		.3750 ⅞	22.37
	.2500 ½	12.21	8 x 3	.1875 ⅜	13.25
	.3125 ⅝	14.83		.2500 ½	17.32
.3750 ⅞	17.27	.3125 ⅝		21.21	
5 x 4	.1875 ⅜	10.70		.3750 ⅞	24.93
	.2500 ½	13.91		.5000 1½	31.84
	.3125 ⅝	16.96	8 x 4	.1875 ⅜	14.53
.3750 ⅞	19.82	.2500 ½		19.02	
		.3125 ⅝		23.24	
6 x 2	.1875 ⅜	9.42		.3750 ⅞	27.48
	.2500 ½	12.21		.5000 1½	35.24
	.3125 ⅝	14.83	8 x 6	.1875 ⅜	17.08
.3750 ⅞	17.27	.2500 ½		22.42	
		.3125 ⅝		27.59	
6 x 3	.1875 ⅜	10.70		.3750 ⅞	32.58
	.2500 ½	13.91		.5000 1½	42.05
	.3125 ⅝	16.96			
	.3750 ⅞	19.82			





"YOUR COMPLETE SERVICE CENTER"

**Structural Steel Square Tubing
ASTM 500 Grade B**

Nominal Size In.	Wall Thickness In.		Weight Per Foot Lb.
7 x 7	.1875	3/16	17.08
	.2500	1/4	22.42
	.3125	5/16	27.59
	.3750	3/8	32.58
	.5000	1/2	42.05
8 x 8	.1875	3/16	19.63
	.2500	1/4	25.82
	.3125	5/16	31.84
	.3750	3/8	37.69
	.5000	1/2	48.85
10 x 10	.1875	3/16	24.73
	.2500	1/4	32.63
	.3125	5/16	40.35
	.3750	3/8	47.90
	.5000	1/2	62.46
12 x 12	.2500	1/4	39.44
	.3125	5/16	48.86
	.3750	3/8	58.10
	.5000	1/2	76.07
	.6250	3/8	93.36
14 x 14	.3125	5/16	57.36
	.3750	3/8	68.31
	.5000	1/2	89.68
16 x 16	.3125	5/16	65.61
	.3750	3/8	78.53
	.5000	1/2	104.03

**Structural Angles
ASTM-A36**



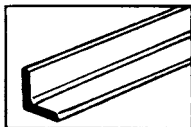
Size in Inches	Est. Weight, Lbs.		Size in Inches	Est. Weight, Lbs.			
	Per Foot	20 Ft. Length		Per Foot	20 Ft. Length		
3 x 2	x 3/16	3.1	62.00	4 x 3	x 1/4	5.8	116.0
	1/4	4.1	82.00		3/16	7.2	144.0
	5/16	5.0	100.0		3/8	8.5	170.0
	3/8	5.9	118.0		7/16	9.8	196.0
	7/16	6.8	136.0		1/2	11.1	222.0
3 x 2 1/2	x 1/2	7.7	154.0	3/8	13.6	272.0	
	x 3/16	3.39	67.80	4 x 3 1/2	x 1/4	6.2	124.0
	1/4	4.5	90.00	5/16	7.7	154.0	
	3/16	5.6	112.0	3/8	9.1	182.0	
	3/8	6.6	132.0	7/16	10.6	212.0	
3 x 3	x 7/16	7.6	152.0	1/2	11.9	238.0	
	1/2	8.5	170.0	3/8	14.7	294.0	
	x 3/16	3.71	74.20	4 x 4	1/4	6.6	132.0
	1/4	4.9	98.00	5/16	8.2	164.0	
	3/16	6.1	122.0	3/8	9.8	196.0	
3 1/2 x 2 1/2	x 3/8	7.2	144.0	7/16	11.3	226.0	
	7/16	8.3	166.0	1/2	12.8	256.0	
	1/2	9.4	188.0	3/8	15.7	314.0	
	x 1/4	4.9	98.00	3/4	18.5	370.0	
	5/16	6.1	122.0	5 x 3	x 1/4	6.6	132.0
3 1/2 x 3	x 3/8	7.2	144.0	5/16	8.2	164.0	
	7/16	8.3	166.0	3/8	9.8	196.0	
	1/2	9.4	188.0	7/16	11.3	226.0	
	x 1/4	5.4	108.0	1/2	12.8	256.0	
	5/16	6.6	132.0	5 x 3 1/2	x 1/4	7.0	140.0
3 1/2 x 3 1/2	x 3/8	7.9	158.0	5/16	8.7	174.0	
	7/16	9.1	182.0	3/8	10.4	208.0	
	1/2	10.2	204.0	7/16	12.0	240.0	
	x 1/4	5.8	116.0	1/2	13.6	272.0	
	5/16	7.2	144.0	3/8	16.8	336.0	
3 1/2 x 3 1/2	x 3/8	8.5	170.0	3/4	19.8	396.0	
	7/16	9.8	196.0				
	1/2	11.1	222.0				



GALVANIZED ANGLES

Many sizes are available from stock. All other sizes can be quickly GALVANIZED
(908) 686-8222 • Fax (908) 686-4242

**Structural Angles
ASTM A-36**



Size in Inches	Est. Weight, Lbs.		Size in Inches	Est. Weight, Lbs.				
	Per Foot	20 Ft. Length		Per Foot	20 Ft. Length			
5 x 5	x 5/16	10.3	210.0	8 x 4	x 7/16	17.2	344.0	
	x 3/8	12.3	246.0		x 1/2	19.6	392.0	
	x 1/2	16.2	324.0		x 5/8	24.2	484.0	
	x 5/8	20.0	400.0		x 3/4	28.7	574.0	
	x 3/4	23.6	472.0		x 7/8	33.1	662.0	
6 x 3 1/2	x 1/4	7.9	158.0	8 x 6	x 1	37.4	748.0	
	x 5/16	9.8	196.0		x 7/16	20.2	404.0	
	x 3/8	11.7	234.0		x 1/2	23.0	460.0	
	x 1/2	15.3	306.0		x 5/8	28.5	570.0	
6 x 4	x 1/4	8.3	166.0	8 x 8	x 3/4	33.8	676.0	
	x 5/16	10.3	206.0		x 7/8	39.1	782.0	
	x 3/8	12.3	246.0		x 1	44.2	884.0	
	x 7/16	14.3	286.0		x 1/2	26.4	528.0	
	x 1/2	16.2	324.0		x 5/8	32.7	654.0	
6 x 6	x 5/8	20.0	400.0	9 x 4	x 3/4	38.9	778.0	
	x 3/4	23.6	472.0		x 7/8	45.0	900.0	
	x 7/8	27.2	544.0		x 1	51.0	1020.0	
	x 5/16	12.6	248.0		x 1 1/8	56.9	1138.0	
	x 3/8	14.9	298.0		x 1/2	x 5/8	21.3	426.0
	x 7/16	17.2	344.0			x 3/4	26.3	526.0
	x 1/2	19.6	392.0			x 5/8	31.3	626.0
	x 3/4	24.2	484.0			x 7/8	36.1	722.0
7 x 4	x 3/4	28.7	574.0	x 1	x 1	40.8	816.0	
	x 7/8	33.1	662.0					
	x 1	37.4	748.0					
	x 3/8	13.6	272.0					
	x 7/16	15.8	316.0					
	x 1/2	17.9	358.0					
5/8	x 5/8	22.1	442.0					
	x 3/4	26.2	524.0					

**Structural Steel Square Tubing
ASTM 500 GRADE B**

Nominal Size in.	Wall Thickness in.	Weight Per Foot Lb.
1 1/2 x 1 1/2	.1875 3/16	3.35
	.2500 1/4	3.70
2 x 2	.1875 3/16	4.32
	.2500 1/4	5.41
2 1/2 x 2 1/2	.1875 3/16	5.59
	.2500 1/4	7.11
3 x 3	.1875 3/16	6.87
	.2500 1/4	8.81
	.3125 5/16	11.08
	.3750 3/8	12.16
3 1/2 x 3 1/2	.1875 3/16	8.15
	.2500 1/4	10.51
	.3125 5/16	13.19
4 x 4	.1875 3/16	9.42
	.2500 1/4	12.21
	.3125 5/16	14.83
	.3750 3/8	17.27
5000 1/2	.5000 1/2	21.63
4 1/2 x 4 1/2	.1875 3/16	10.70
	.2500 1/4	13.91
5 x 5	.1875 3/16	11.97
	.2500 1/4	15.62
	.3125 5/16	19.08
	.3750 3/8	22.37
5000 1/2	.5000 1/2	28.43
6 x 6	.1875 3/16	14.53
	.2500 1/4	19.02
	.3125 5/16	23.34
	.3750 3/8	27.48
	.5000 1/2	35.24

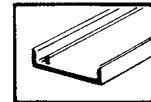


"YOUR COMPLETE SERVICE CENTER"

**Square & Rectangular Mechanical Tubing
ASTM 500 Grade B**

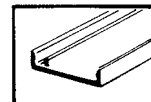
SQUARE				RECTANGULAR				
OD Square	BWG	Weight Per Ft.	OD Square	BWG	Weight Per Ft.			
1/2" x 1/2"	x 16	.3845	1" x 1/2"	x 16	.6055			
3/4" x 3/4"	x 16	.6055	1 1/4" x 1/2"	x 16	.7160			
3/4" x 3/4"	x 14	.7529	1 1/2" x 1/2"	x 16	.8265			
3/4" x 3/4"	x 11	1.028	1 1/2" x 3/4"	x 16	.9370			
1" x 1"	x 18	.6337	1 1/2" x 3/4"	x 14	1.176			
1" x 1"	x 16	.8265	1 1/2" x 1"	x 16	1.048			
1" x 1"	x 15	.909	1 1/2" x 1"	x 14	1.317			
1" x 1"	x 14	1.035	1 1/2" x 1"	x 11	1.844			
1" x 1"	x 11	1.436	2" x 1"	x 16	1.269			
1 1/4" x 1 1/4"	x 18	.8003	2" x 1"	x 14	1.600			
1 1/4" x 1 1/4"	x 16	1.048	2" x 1"	x 11	2.252			
1 1/4" x 1 1/4"	x 14	1.317	2" x 1 1/2"	x 14	1.882			
1 1/4" x 1 1/4"	x 11	1.844	2" x 1 1/2"	x 11	2.660			
1 1/2" x 1 1/2"	x 18	.9669	2 1/2" x 1"	x 14	1.822			
1 1/2" x 1 1/2"	x 16	1.269	2 1/2" x 1 1/2"	x 14	2.164			
1 1/2" x 1 1/2"	x 14	1.600	2 1/2" x 1 1/2"	x 11	3.068			
1 1/2" x 1 1/2"	x 11	2.252	3" x 1"	x 14	2.164			
1 1/2" x 1 1/2"	x 7	3.230	3" x 1"	x 11	3.07			
1 3/4" x 1 3/4"	x 16	1.490	3" x 1 1/2"	x 14	2.37			
1 3/4" x 1 3/4"	x 14	1.882	3" x 1 1/2"	x 11	3.476			
1 3/4" x 1 3/4"	x 11	2.660	3" x 2"	x 14	2.67			
2" x 2"	x 16	1.711	3" x 2"	x 11	3.90			
2" x 2"	x 14	2.164	4" x 2"	x 14	3.23			
2" x 2"	x 11	3.05	4" x 2"	x 11	4.75			
2 1/2" x 2 1/2"	x 14	2.728	4" x 3"	x 11	5.68			
2 1/2" x 2 1/2"	x 11	3.90	5" x 2"	x 11	5.68			
3" x 3"	x 16	2.595	5" x 3"	x 11	6.46			
3" x 3"	x 14	3.293						
3" x 3"	x 11	4.75						
3 1/2" x 3 1/2"	x 11	5.61						
4" x 4"	x 11	6.46						
4" x 4"	x 14	4.422						

**Channels-Bar Size
ASTM A-36**



Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
3/4 x 3/8 x 1/8	.56	11.2
7/8 x 3/8 x 1/8	.65	13.0
1 x 3/8 x 1/8	.68	13.6
1 x 1/2 x 1/8	.83	16.6
1 1/8 x 3/16 x 3/16	1.20	24.0
1 1/4 x 1/2 x 1/8	1.01	20.2
1 1/2 x 1/2 x 1/8	1.12	22.4
1 1/2 x 3/16 x 3/16	1.44	28.8
1 1/2 x 3/4 x 1/8	1.17	23.4
2 x 1/2 x 1/8	1.43	28.6
2 x 3/16 x 3/16	1.86	37.2
2 x 5/8 x 3/16	1.98	39.6
2 x 5/8 x 1/4	2.18	43.6
2 x 1 x 1/8	1.78	35.6
2 x 1 x 3/16	2.59	51.8
2 1/2 x 5/8 x 3/16	2.27	45.4

**Stringer Channels
ASTM-A36**



Nominal Size, Inches	Weight per Ft., Lb.	Web Thickness, Inches	Flange Width, Inches
8	8.5	.180	1.875
10	6.5	.150	1.125
	8.4	.170	1.500
12	10.6	.190	1.500

GALVANIZING

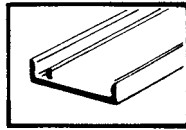
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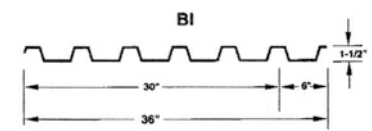
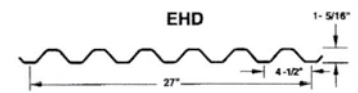
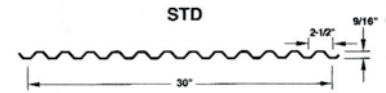
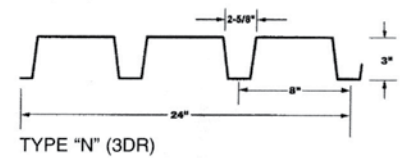
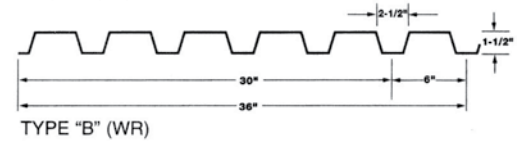
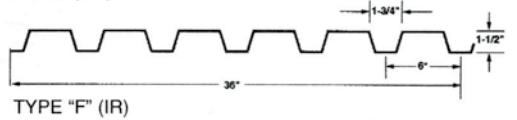
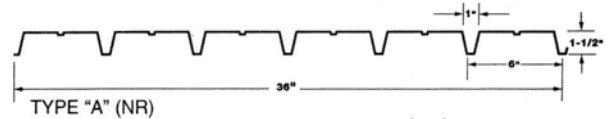


Structural Channels
ASTM A-36



Depth of Channel & Wt. per Ft.	Thickness of Web in Inches	Width of Flange in Inches
3" x 4.1 lbs.	.170	1.410
5.0 lbs.	.258	1.498
6.0 lbs.	.356	1.596
4" x 5.4 lbs.	.180	1.580
7.25 lbs.	.320	1.720
5" x 6.7 lbs.	.190	1.750
9.0 lbs.	.325	1.885
6" x 8.2 lbs.	.200	1.920
10.5 lbs.	.314	2.034
13.0 lbs.	.437	2.157
7" x 9.8 lbs.	.210	2.090
12.25 lbs.	.314	2.194
14.75 lbs.	.419	2.299
8" x 8.5 lbs.	.180	1.875
11.5 lbs.	.220	2.260
13.75 lbs.	.303	2.343
18.75 lbs.	.487	2.527
9" x 13.4 lbs.	.230	2.430
15.0 lbs.	.285	2.485
20.0 lbs.	.448	2.648
10" x 15.3 lbs.	.240	2.600
20.0 lbs.	.379	2.739
25.0 lbs.	.526	2.886
30.0 lbs.	.673	3.033
12" x 20.7 lbs.	.280	2.940
25.0 lbs.	.387	3.047
30.0 lbs.	.510	3.170
15" x 33.9 lbs.	.400	3.400
40.0 lbs.	.520	3.520
50.0 lbs.	.716	3.716

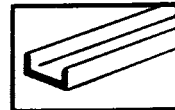
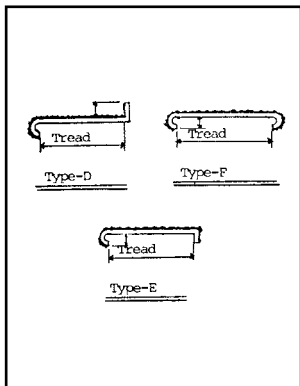
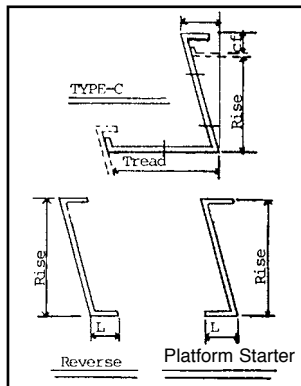
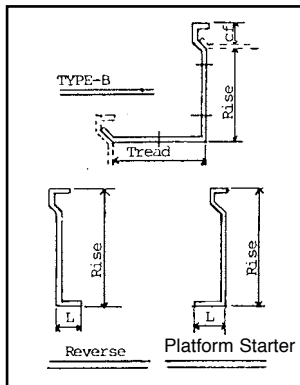
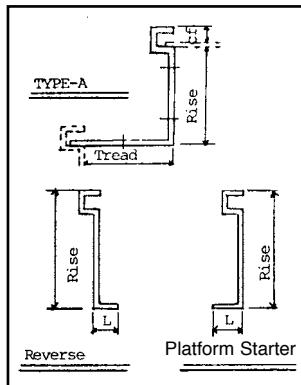
ROOF DECK



MULTI-RIB FORM DECK



Stair Tread Designs



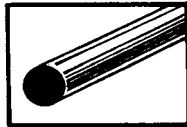
MC CHANNELS
ASTM-A36

Section Number	Weight Per Ft. lb.	Depth of Section in.	Flange		Web Thickness in.
			Width in.	Thickness in.	
MC3 x 7.1	7.1	3	2		5/16
MC4 x 13.8	13.8	4	2 1/2		1/2
MC6 x 12.0	12.0	6	2 1/2	3/8	5/16
MC6 x 15.1	15.1	6	3	1/2	5/16
16.3	16.3	6	3	1/2	3/8
MC6 x 15.3	15.3	6	3 1/2	3/8	5/16
MC6 x 18.0	18.0	6	3 1/2	1/2	3/8
MC7 x 17.6	17.6	7	3	1/2	3/8
19.1	19.1	7	3 1/2	1/2	3/8
22.7	22.7	7	3 3/8	1/2	1/2
MC8 x 18.7	18.7	8	3	1/2	3/8
20.0	20.0	8	3	1/2	3/8
MC8 x 21.4	21.4	8	3 1/2	1/2	3/8
22.8	22.8	8	3 1/2	1/2	7/16
MC9 x 23.9	23.9	9	3 1/2	9/16	3/8
25.4	25.4	9	3 1/2	9/16	7/16
MC10 x 22.0	22.0	10	3 3/8	9/16	5/16
25.0	25.0	10	3 3/8	9/16	3/8
28.5	28.5	10	4	9/16	7/16
33.6	33.6	10	4 1/8	9/16	3/8
41.1	41.1	10	4 3/8	3/16	13/16
MC12 x 31.0	31.0	12	3 5/8	1 1/16	3/8
35.0	35.0	12	3 3/4	1 1/16	7/16
40.0	40.0	12	3 7/8	1 1/16	9/16
45.0	45.0	12	4	1 1/16	1 1/16
50.0	50.0	12	4 1/8	1 1/16	13/16
MC13 x 31.8	31.8	13	4	5/8	3/8
35.0	35.0	13	4 1/8	5/8	7/16
40.0	40.0	13	4 1/8	5/8	9/16
50.0	50.0	13	4 3/8	5/8	13/16
MC18 x 42.7	42.7	18	4	5/8	7/16
45.8	45.8	18	4	5/8	1/2
51.9	51.9	18	4 1/8	5/8	3/8
58.0	58.0	18	4 1/4	5/8	1 1/16





Hot Rolled Rounds ASTM A-36
Cold Rolled Rounds C1018



Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
1/4	0.167	3.34
5/16	0.261	5.22
3/8	0.376	7.52
7/16	0.511	10.22
1/2	0.668	13.36
9/16	0.845	16.90
5/8	1.04	20.8
3/4	1.50	30.0
13/16	1.76	35.2
7/8	2.04	40.8
15/16	2.35	47.0
1	2.67	53.4
1 1/8	3.38	67.6
1 1/4	4.17	83.4
1 3/8	5.05	101.0
1 1/2	6.01	120.2
1 5/8	7.05	141.0
1 3/4	8.18	163.6
1 7/8	9.39	187.8
2	10.68	213.6
2 1/4	13.52	270.4
2 1/2	16.69	333.8
2 5/8	18.40	368.0
2 3/4	20.19	403.8
2 7/8	22.07	441.4

FLAT EXPANDED METAL
ALSO AVAILABLE IN STAINLESS & ALUMINUM

"YOUR COMPLETE SERVICE CENTER"

Style	Weight Per SF	Design Sizes				Opening Sizes				Strand Size				Overall Thickness		Meshes Per Foot		Open Area		
		SWD	LWD	LWD	SWO	SWO	LWO	LWO	Thickness	Width	Thickness	SWD	LWD	SWD	LWD					
		measurements are approximate and subject to mill tolerances																		
CARBON STEEL-Flattened (MIL-M-17194D Type II Class I) ASTM f 126791																				
3/16 #22 F*	.43#	.200"	.51"	.115"	.300"	.024"	.040"	.024"	.040"	.024"	.040"	.024"	.040"	.024"	.040"	.024"	.040"	427	71	55%
1/4 #20 F	.82#	.25"	1.05"	.110"	.715"	.030"	.079"	.030"	.079"	.030"	.079"	.030"	.079"	.030"	.079"	.030"	.079"	48	11.6	35%
1/4 #18 F	1.08#	.25"	1.08#	.118"	.715"	.040"	.080"	.040"	.080"	.040"	.080"	.040"	.080"	.040"	.080"	.040"	.080"	48	11.6	35%
1/2 #20 F	.40#	.50"	1.25"	.375"	1.00"	.029"	.079"	.029"	.079"	.029"	.079"	.029"	.079"	.029"	.079"	.029"	.079"	24	9.5	65%
1/2 #18 F	.66#	.50"	1.25"	.312"	1.00"	.039"	.097"	.039"	.097"	.039"	.097"	.039"	.097"	.039"	.097"	.039"	.097"	24	9.5	60%
1/2 #16 F	.82#	.50"	1.25"	.312"	1.00"	.050"	.096"	.050"	.096"	.050"	.096"	.050"	.096"	.050"	.096"	.050"	.096"	24	9.5	63%
1/2 #13 F	1.40#	.50"	1.25"	.265"	1.00"	.070"	.107"	.070"	.107"	.070"	.107"	.070"	.107"	.070"	.107"	.070"	.107"	24	9.5	52%
3/4 #16 F	.51#	.923"	2.10"	.750"	1.75"	.048"	.111"	.048"	.111"	.048"	.111"	.048"	.111"	.048"	.111"	.048"	.111"	13	5.7	74%
3/4 #14 F	.63#	.923"	2.10"	.688"	1.813"	.061"	.105"	.061"	.105"	.061"	.105"	.061"	.105"	.061"	.105"	.061"	.105"	13	5.7	74%
3/4 #13 F	.75#	.923"	2.10"	.688"	1.781"	.070"	.106"	.070"	.106"	.070"	.106"	.070"	.106"	.070"	.106"	.070"	.106"	13	5.7	74%
3/4 #9 F	1.71#	.923"	2.10"	.563"	1.688"	.120"	.165"	.120"	.165"	.120"	.165"	.120"	.165"	.120"	.165"	.120"	.165"	13	5.7	63%
1 #16 F	.41#	1.00"	2.50"	.813"	2.250"	.050"	.098"	.050"	.098"	.050"	.098"	.050"	.098"	.050"	.098"	.050"	.098"	12	4.68	78%
1-1/2 #16 F	.38#	1.33"	3.20"	1.062"	2.750"	.048"	.119"	.048"	.119"	.048"	.119"	.048"	.119"	.048"	.119"	.048"	.119"	9	3.75	83%
1-1/2 #14 F	.46#	1.33"	3.20"	1.062"	2.750"	.060"	.116"	.060"	.116"	.060"	.116"	.060"	.116"	.060"	.116"	.060"	.116"	9	3.75	80%
1-1/2 #13 F	.57#	1.33"	3.20"	1.062"	2.750"	.070"	.116"	.070"	.116"	.070"	.116"	.070"	.116"	.070"	.116"	.070"	.116"	9	3.75	80%
1-1/2 #9 F	1.44#	1.33"	3.20"	1.000"	2.563"	.110"	.158"	.110"	.158"	.110"	.158"	.110"	.158"	.110"	.158"	.110"	.158"	9	3.75	75%
2 #9 F	.85#	1.85"	4.27"	1.530"	3.590"	.105"	.186"	.105"	.186"	.105"	.186"	.105"	.186"	.105"	.186"	.105"	.186"	6.5	2.8	81%

*Minimum specifications shown. (Please inquire if specification critical.)





**STANDARD EXPANDED METAL
ALSO AVAILABLE IN STAINLESS & ALUMINUM**

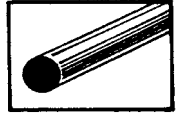
STANDARD EXPANDED METAL PRODUCT DETAILS-													
Style	Weight Per SF	Design Sizes			Opening Sizes			Strand Size		Overall Thickness	Meshes Per Foot		Open Area
		SWD	LWD	SWO	LWO	Thickness	Width	SWD	LWD				
CARBON STEEL-Standard (MIL-M-17194D Type I Class I) ASTM F 128791													
3/32 #24 S	.42#	.156"	.25"	.094"	.156"	.024"	.030"	.045"	-	-	-	-	58%
3/16 #22 S	.45#	.19"	.50"	.14"	.345"	.031"	.034"	.070"	63	24	61%		
1/4 #20 S	.86#	.25"	1.0"	.14"	.718"	.036"	.072"	.135"	48	12	45%		
1/4 #18 S	1.14#	.25"	1.0"	.145"	.718"	.048"	.072"	.147"	48	12	43%		
1/2 #20 S	.49#	.50"	1.2"	.438"	.938"	.036"	.072"	.140"	24	10	80%		
1/2 #18 S	.70#	.50"	1.2"	.438"	.938"	.048"	.088"	.172"	24	10	72%		
1/2 #16 S	.86#	.50"	1.2"	.375"	.938"	.060"	.087"	.175"	24	10	65%		
1/2 #13 S	1.47#	.50"	1.2"	.312"	.938"	.092"	.096"	.204"	24	10	57%		
3/4 #16 S	.54#	.923"	2.0"	.813"	1.750"	.060"	.101"	.210"	13	6	78%		
3/4 #13 S	.80#	.923"	2.0"	.750"	1.688"	.092"	.096"	.205"	13	6	76%		
3/4 #10 S	1.20#	.923"	2.0"	.750"	1.625"	.092"	.144"	.290"	13	6	72%		
3/4 #9 S	1.80#	.923"	2.0"	.688"	1.562"	.134"	.150"	.312"	13	6	68%		
1#16 S	.44#	1.00"	2.4"	.938"	2.062"	.060"	.087"	.192"	12	5	82%		
1-1/2 #16 S	.40#	1.33"	3.0"	1.250"	2.625"	.060"	.108"	.230"	9	4	85%		
1-1/2 #13 S	.60#	1.33"	3.0"	1.188"	2.500"	.092"	.105"	.242"	9	4	80%		
1-1/2 #10 S	.79#	1.33"	3.0"	1.188"	2.500"	.092"	.138"	.284"	9	4	76%		
1-1/2 #9 S	1.20#	1.33"	3.0"	1.125"	2.375"	.134"	.144"	.312"	9	4	69%		
1-1/2 #6 S	2.50#	1.33"	3.0"	1.110"	2.313"	.198"	.203"	.453"	9	4	64%		
2 #9 S	.90#	1.85"	4.0"	1.563"	3.375"	.134"	.149"	.312"	6.5	3	84%		



1-800-649-ARCO (2726)

"YOUR COMPLETE SERVICE CENTER"

**Hot Rolled Rounds ASTM A-36
Cold Rolled Rounds C1018**



Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
3	24.03	480.6
3 1/4	28.21	564.2
3 3/8	30.42	608.4
3 1/2	32.71	654.2
3 3/4	35.09	701.8
3 3/8	37.55	751.0
3 3/4	40.10	802.0
4	42.73	854.6
4 1/4	45.44	908.8
4 1/2	48.23	964.6
4 3/4	51.11	1022.2
4 1/2	54.08	1081.6
4 3/4	57.12	1142.4
4 3/8	60.25	1205.0
4 3/4	63.46	1269.2
5	66.76	1335.2
5 1/4	70.14	1402.8
5 1/2	73.60	1472.0
5 3/4	77.15	1543.0
5 1/2	80.78	1615.6
5 3/4	88.29	1765.8
6	96.13	1922.6
6 1/4	100.18	2003.6
6 1/2	104.31	2086.2
6 3/4	112.82	2256.4
6 1/2	117.20	2344.0
6 3/4	121.67	2433.4
7	130.85	2617.0
7 1/4	140.36	2807.2
7 1/2	150.21	3004.2
7 3/4	160.39	3207.8
8	170.90	3418.0
8 1/2	192.93	3858.6
9	216.30	4326.0
9 1/2	241.00	4820.0

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THREADED RODS
Fully Threaded



Diameter Inches	Stock Length Feet	Diameter Inches	Stock Length Feet
1/4"	6	5/8"	8
5/16"	6	3/4"	8
3/8"	6	7/8"	8
1/2"	6	1"	6

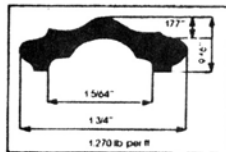
OTHER SIZES AND LENGTHS MADE TO YOUR SPECIFICATIONS

Size in Inches	Weight, Pounds		Stock Lengths Ft.
	Per Ft.	Per 20' Bar	
1/4	.213	4.26	20
3/16	.332	6.64	20
1/8	.478	9.56	20
7/16	.651	13.02	20
1/2	.850	17.00	20
5/8	1.33	26.60	20
3/4	1.91	38.20	20
7/8	2.60	52.00	20
1	3.40	68.00	20
1 1/8	4.30	86.00	20
1 1/4	5.31	106.20	20
1 3/8	6.43	128.60	20
1 1/2	7.65	153.00	20
1 5/8	8.98	179.60	20
1 3/4	10.41	208.20	20
2	13.60	272.00	20
2 1/2	21.25	425.00	20
2 3/4	25.71	514.20	20
*3	30.60	612.0	20
*3 1/2	41.65	833.0	20
*4	54.40	1088.0	20
*4 1/2	68.85	1377.0	20
*5	85.00	1700.0	20
*6	122.40	2448.0	20

Moulding #1606 L
TOP RAIL MOULDING

Ornament Hot Rolled Steel
Moulding used for handrail,
20' stock lengths.

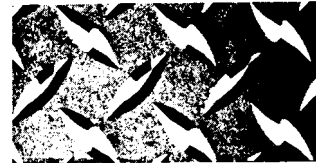
Section #1606L--1.27 lbs. per ft.,
25.4 lbs. per length.
Designed to fit over 1" channel.



"YOUR COMPLETE SERVICE CENTER"

Nom. Ga. & *Size in Inches	Weight Sq. Ft. Lb.	Stock Lengths Ft.	Nom. Ga. & *Size in Inches	Weight Sq. Ft. Lb.	Stock Lengths Ft.
	1/8 x (6.16 lb./sq. ft.)			3/8 x (16.35 lb./sq. ft.)	
	3/16 x (8.70 lb./sq. ft.)			1/2 x (21.47 lb./sq. ft.)	
	1/4 x (11.26 lb./sq. ft.)			5/8 x (26.58 lb./sq. ft.)	
	5/16 x (13.82 lb./sq. ft.)			3/4 x (31.68 lb./sq. ft.)	
				1 x (41.89 lb./sq. ft.)	

FLOOR PLATES - DIAMOND PATTERN



Custom Stair Treads made to your specifications.

(See Page 33)

Shearing, Flame Cutting & Drilling.

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**Steel Plates
ASTM A36**

Size in Inches	Wt. per Ft., Lb.	Size in Inches	Wt. per Ft., Lb.
3/16 x	(7.66 lb. per sq. ft.)	2 3/4 x	(112.31 lb. per sq. ft.)
1/4 x	(10.21 lb. per sq. ft.)	3 x	(122.52 lb. per sq. ft.)
5/16 x	(12.76 lb. per sq. ft.)	3 1/4 x	(132.72 lb. per sq. ft.)
3/8 x	(15.32 lb. per sq. ft.)	3 1/2 x	(142.93 lb. per sq. ft.)
7/16 x	(17.87 lb. per sq. ft.)	3 3/4 x	(153.14 lb. per sq. ft.)
1/2 x	(20.42 lb. per sq. ft.)	4 x	(163.35 lb. per sq. ft.)
9/16 x	(22.97 lb. per sq. ft.)	4 1/4 x	(173.56 lb. per sq. ft.)
5/8 x	(25.53 lb. per sq. ft.)	4 1/2 x	(183.77 lb. per sq. ft.)
3/4 x	(30.63 lb. per sq. ft.)	4 3/4 x	(194.98 lb. per sq. ft.)
13/16 x	(33.18 lb. per sq. ft.)	5 x	(204.20 lb. per sq. ft.)
7/8 x	(35.74 lb. per sq. ft.)	5 1/4 x	(214.40 lb. per sq. ft.)
1 x	(40.84 lb. per sq. ft.)	5 1/2 x	(224.61 lb. per sq. ft.)
1 1/8 x	(45.95 lb. per sq. ft.)	6 x	(245.03 lb. per sq. ft.)
1 1/4 x	(51.04 lb. per sq. ft.)	6 1/4 x	(255.24 lb. per sq. ft.)
1 3/8 x	(56.16 lb. per sq. ft.)	6 1/2 x	(265.45 lb. per sq. ft.)
1 1/2 x	(61.26 lb. per sq. ft.)	7 x	(285.87 lb. per sq. ft.)
1 5/8 x	(66.37 lb. per sq. ft.)	7 1/2 x	(306.29 lb. per sq. ft.)
1 3/4 x	(71.47 lb. per sq. ft.)	8 x	(316.71 lb. per sq. ft.)
2 x	(81.68 lb. per sq. ft.)	9 x	(367.55 lb. per sq. ft.)
2 1/4 x	(91.89 lb. per sq. ft.)	10 x	(408.38 lb. per sq. ft.)
2 1/2 x	(102.10 lb. per sq. ft.)	11 x	(449.22 lb. per sq. ft.)
12 x (490.08 lb. per sq. ft.)			

"YOUR COMPLETE SERVICE CENTER"



**Reinforcing Bars
Grade 40 & 60**

Bar No.	Diameter in Inches	Diameter in Inches	Area Square Inches	Weight Per Ft., Lb.
2	* 1/4	0.25	0.05	0.167
3	3/8	0.43	0.11	0.376
4	1/2	0.55	0.20	0.668
5	5/8	0.68	0.31	1.043
6	3/4	0.81	0.44	1.502
7	7/8	0.94	0.60	2.044
8	1	1.07	0.79	2.670
9	1.13	1.23	1.00	3.400
10	1.27	1.38	1.27	4.303
11	1.41	1.53	1.56	5.313

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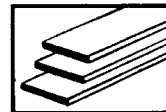




**Hot Rolled Strip
ASTM-A36**

Size in Inches	Wt. per Ft. in Lbs.	Wt. of 20' Bar	Size in Inches	Wt. per Ft. in Lbs.	Wt. of 20' Bar
1/8 x 3/8	.159	3.18	3/16 x 3/8	.239	4.78
1/2	.213	4.26	1/2	.319	6.38
5/8	.266	5.32	5/8	.398	7.96
3/4	.319	6.38	3/4	.478	9.56
7/8	.372	7.44	7/8	.558	11.16
1	.425	8.50	1	.638	12.76
1 1/8	.478	9.56	1 1/8	.717	14.34
1 1/4	.531	10.62	1 1/4	.797	15.94
1 3/8	.584	11.68	1 3/8	.877	17.54
1 1/2	.638	12.76	1 1/2	.956	19.12
1 3/4	.744	14.88	1 3/4	1.12	22.40
2	.850	17.00	2	1.28	25.60
2 1/4	.956	19.12	2 1/4	1.43	28.60
2 1/2	1.06	21.20	2 1/2	1.59	31.80
2 3/4	1.17	23.40	2 3/4	1.75	35.00
3	1.28	25.60	3	1.91	38.20
3 1/4	1.38	27.60	3 1/4	2.07	41.40
3 1/2	1.49	29.80	3 1/2	2.23	44.60
4	1.70	34.00	4	2.55	51.00
4 1/2	1.91	38.20	4 1/2	2.87	57.40
5	2.13	42.60	5	3.19	63.80
5 1/2	2.34	46.80	5 1/2	3.51	70.20
6	2.55	51.00	6	3.83	76.60
7	2.98	59.60	7	4.46	89.20
8	3.40	68.00	8	5.10	102.00
9	3.83	76.60	9	5.74	114.80
10	4.25	85.00	10	6.38	127.60
12	5.10	102.00	12	7.65	153.00

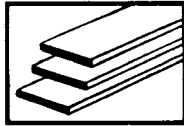
"YOUR COMPLETE SERVICE CENTER"



**Universal Mill Steel Plates
ASTM A36**

Size in Inches	Wt. per Ft., Lb.	Size in Inches	Wt. per Ft., Lb.
1/4 x (10.21 lb. per sq. ft.)		3/4 x (30.63 lb. per sq. ft.)	
9	7.66	9	22.97
10	8.51	10	25.52
11	9.36	12	30.63
12	10.21		
5/8 x (12.76 lb. per sq. ft.)		7/8 x (35.74 lb. per sq. ft.)	
9	9.57	9	26.81
10	10.63	10	29.78
11	11.70	12	35.74
12	12.76		
3/8 x (15.32 lb. per sq. ft.)		1 x (40.84 lb. per sq. ft.)	
9	11.49	9	30.63
10	12.77	10	34.03
11	14.04	12	40.84
12	15.32		
7/16 x (17.87 lb. per sq. ft.)		1 1/4 x (51.04 lb. per sq. ft.)	
9	13.40	10	42.53
10	14.89	12	51.04
12	17.87		
1/2 x (20.42 lb. per sq. ft.)		1 1/2 x (61.26 lb. per sq. ft.)	
9	15.32	10	51.05
10	17.02	12	61.26
11	18.72		
12	20.42		
5/8 x (25.53 lb. per sq. ft.)		2 x (81.68 lb. per sq. ft.)	
9	19.15	10	68.06
10	21.27	12	81.68
12	25.53		





**Hot Rolled Flats
ASTM A36**

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
1 3/4 x 2	11.90	238.0
2 1/2	14.88	297.6
3	17.85	357.0
3 1/2	20.83	416.6
4	23.80	476.0
4 1/2	26.78	535.6
5	29.75	595.0
6	35.70	714.0
2 x 2 1/2	17.00	340.0
3	20.40	408.0
3 1/2	23.80	476.0
4	27.20	544.0
4 1/2	30.60	612.0
5	34.00	680.0
*6	40.80	816.0
*7	47.60	952.0
*8	54.40	1088.0
2 1/2 x 3	25.50	510.0
3 1/2	29.75	595.0
4	34.00	680.0
4 1/2	38.25	765.0
*5	42.50	850.0
*6	51.00	1020.0
3 x 4	40.80	816.0
*5	51.00	1020.0
*6	61.20	1224.0

"YOUR COMPLETE SERVICE CENTER"

Hot/Cold Rolled Sheets

GAUGE	DECIM. EQUIV.	WGHT PER SQ. FOOT	TOLERANCE + OR - ON NOMIN. THICKS		GAUGE	DECIM. EQUIV.	WGHT PER SQ. FOOT	TOLERANCE + OR - ON NOMIN. THICKS	
			WIDTH 40 - 48"					WIDTH 40 - 48"	
			HOT-ROLL	COLD-ROLL				COLD-ROLLED	
4	.2242	9.375	.010	-	18	.0478	2.00	.004	
5	.2092	8.75	.010	-	19	.0418	1.75	.004	
6	.1943	8.125	.010	-	20	.0359	1.5	.003	
7	.1793	7.5	.008	-	21	.0329	1.375	.003	
8	.1644	6.875	.008	-	22	.0299	1.25	.003	
9	.1495	6.25	.008	-	23	.0269	1.125	.003	
10	.1345	5.625	.008	.006	24	.0239	1.00	.003	
11	.1196	5.00	.008	.006	25	.0209	.875	.003	
12	.1046	4.375	.008	.006	26	.0179	.75	.002	
13	.0897	3.75	.007	.005	27	.0164	.688	.002	
14	.0747	3.125	.007	.005	28	.0149	.625	-	
15	.0673	2.812	.007	.005	29	.0135	.562	-	
16	.0598	2.5	.007	.005	30	.0120	.5	-	
17	.0538	2.25	-	.004	31	.0105	.4375	-	

GALVANIZED SHEETS

GAUGE	DECIM. EQUIV.	WGHT PER SQ. FOOT	TOLERANCE + OR - ON NOMIN. THICKS		GAUGE	DECIM. EQUIV.	WGHT PER SQ. FOOT	TOLERANCE + OR - ON NOMIN. THICKS	
			WIDTH 40 - 48"					WIDTH 40 - 48"	
			COLD-ROLLED						
8	.1681	7.031	.009		20	.0396	1.656	.004	
9	.1532	6.406	.009		21	.0366	1.531	.004	
10	.1382	5.781	.009		22	.0336	1.406	.004	
11	.1233	5.156	.009		23	.0306	1.281	.004	
12	.1084	4.531	.009		24	.0276	1.156	.004	
13	.0934	3.906	.008		25	.0247	1.031	.004	
14	.0785	3.281	.008		26	.0217	.906	.003	
15	.0710	2.969	.006		27	.0202	.844	.003	
16	.0635	2.656	.006		28	.0187	.781	.003	
17	.0575	2.406	.005		29	.0172	.719	.003	
18	.0516	2.156	.005		30	.0157	.656	.003	
19	.0456	1.906	.005		31	.0142	.594	.003	





Hot Rolled Flats ASTM A36

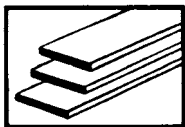
Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
1/4 x 1/2	0.425	8.50
5/8	0.531	10.62
3/4	0.638	12.76
7/8	0.744	14.88
1	0.850	17.00
1 1/8	0.956	19.12
1 1/4	1.06	21.3
1 3/8	1.17	23.4
1 1/2	1.28	25.6
1 3/4	1.49	29.8
2	1.70	34.0
2 1/4	1.91	38.3
2 1/2	2.13	42.6
2 3/4	2.34	46.8
3	2.55	51.0
3 1/4	2.76	55.3
3 1/2	2.98	59.6
3 3/4	3.19	63.8
4	3.40	68.0
4 1/2	3.83	76.6
5	4.25	85.0
5 1/2	4.68	93.6
6	5.10	102.0
7	5.95	119.0
8	6.80	136.0
5/16 x 3/4	0.797	15.94
1	1.06	21.3
1 1/4	1.33	26.6
1 1/2	1.59	31.9
1 3/4	1.86	37.2
2	2.13	42.6
2 1/4	2.39	47.8
2 1/2	2.66	53.1
2 3/4	2.92	58.4
3	3.19	63.8
3 1/2	3.72	74.4
4	4.25	85.0
4 1/2	4.78	95.6
5	5.31	106.2
5 1/2	5.84	116.8
6	6.38	127.6
7	7.44	148.8
8	8.50	170.0

"YOUR COMPLETE SERVICE CENTER"



Hot Rolled Flats ASTM A36

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
1-1/8 x 2	7.65	153.0
2 1/2	9.56	191.3
3	11.48	229.6
4	15.30	306.0
5	19.13	382.6
6	22.95	459.0
1-1/4 x 1 1/2	6.38	127.6
1 3/4	7.44	148.8
2	8.50	170.0
2 1/4	9.56	191.2
2 1/2	10.63	212.6
2 3/4	11.69	233.8
3	12.75	255.0
3 1/2	14.88	297.6
4	17.00	340.0
4 1/2	19.13	382.6
5	21.25	425.0
5 1/2	23.38	467.6
6	25.50	510.0
7	29.75	595.0
8	34.00	680.0
1-1/2 x 1 3/4	8.93	178.6
2	10.20	204.0
2 1/4	11.48	229.6
2 1/2	12.75	255.0
3	15.30	306.0
3 1/2	17.85	357.0
4	20.40	408.0
4 1/2	22.95	459.0
5	25.50	510.0
5 1/2	28.05	561.0
6	30.60	612.0
*7	35.70	714.0
*8	40.80	816.0



**Hot Rolled Flats
ASTM A36**

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
7/8 x 1	2.98	59.6
1 1/4	3.72	74.4
1 1/2	4.46	89.3
1 3/4	5.21	104.1
2	5.95	119.0
2 1/4	6.69	133.9
2 1/2	7.44	148.8
3	8.93	178.6
3 1/4	9.67	193.4
3 1/2	10.41	208.2
4	11.90	238.0
4 1/2	13.39	267.8
5	14.88	297.6
5 1/2	16.36	327.3
6	17.85	357.0
7	20.83	416.6
8	23.80	476.0
1 x 1 1/4	4.25	85.0
1 1/2	5.20	102.0
1 3/4	5.95	119.0
2	6.80	136.0
2 1/4	7.65	153.0
2 1/2	8.50	170.0
2 3/4	9.35	187.0
3	10.20	204.0
3 1/2	11.90	238.0
4	13.60	272.0
4 1/2	15.30	306.0
5	17.00	340.0
5 1/2	18.70	374.0
6	20.40	408.0
7	23.80	476.0
8	27.20	544.0

"YOUR COMPLETE SERVICE CENTER"



**Hot Rolled Flats
ASTM A36**

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
3/8 x 1/2	0.638	12.76
5/8	0.797	15.94
3/4	0.956	19.12
7/8	1.116	22.32
1	1.28	25.6
1 1/4	1.59	31.8
1 3/8	1.75	35.0
1 1/2	1.91	38.2
1 3/4	2.23	44.6
2	2.55	51.0
2 1/4	2.87	57.4
2 1/2	3.19	63.8
2 3/4	3.51	70.2
3	3.83	76.6
3 1/4	4.14	82.9
3 1/2	4.46	89.3
4	5.10	102.0
4 1/2	5.74	114.8
5	6.38	127.6
5 1/2	7.01	140.3
6	7.65	153.0
7	8.93	178.6
8	10.20	204.0

*"Custom Fitch Plates
Drilled To Order"*





**Hot Rolled Flats
ASTM A36**

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
1/2 x 3/4	1.28	25.6
1	1.70	34.0
1 1/8	1.91	38.2
1 1/4	2.13	42.6
1 1/2	2.55	51.0
1 3/4	2.98	59.6
2	3.40	68.0
2 1/4	3.83	76.6
2 1/2	4.25	85.0
2 3/4	4.68	93.6
3	5.10	102.0
3 1/4	5.53	110.6
3 1/2	5.95	119.0
4	6.80	136.0
4 1/2	7.65	153.0
5	8.50	170.0
5 1/2	9.35	187.0
6	10.20	204.0
7	11.90	238.0
8	13.60	272.0

*Shearing & Bending
Band Sawing
Drilling & Punching*



1-800-649-ARCO (2726)

"YOUR COMPLETE SERVICE CENTER"



**Hot Rolled Flats
ASTM A36**

Size in Inches	Weight, Pounds	
	Per Ft.	of 20' Bar
5/8 x 1	2.13	42.6
1 1/4	2.66	53.2
1 1/2	3.19	63.8
1 3/4	3.72	74.4
2	4.25	85.0
2 1/4	4.78	95.6
2 1/2	5.31	106.3
2 3/4	5.84	116.9
3	6.38	127.6
3 1/4	6.91	138.1
3 1/2	7.44	148.8
4	8.50	170.0
4 1/2	9.56	191.3
5	10.63	212.6
5 1/2	11.69	233.8
6	12.75	255.0
7	14.88	297.6
8	17.00	340.0
3/4 x 1	2.55	51.0
1 1/4	3.19	63.8
1 1/2	3.83	76.6
1 3/4	4.46	89.3
2	5.10	102.0
2 1/4	5.74	114.8
2 1/2	6.38	127.6
2 3/4	7.01	140.3
3	7.65	153.0
3 1/4	8.29	165.8
3 1/2	8.93	178.6
4	10.20	204.0
4 1/2	11.48	229.6
5	12.75	255.0
5 1/2	14.03	280.6
6	15.30	306.0
7	17.85	357.0
8	20.40	408.0

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