



AMERICAN
METAL SUPPLY^{co.}

METAL REFERENCE GUIDE

★ **24 Hour Full Service Center** ★

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- ★ **USEFUL PRODUCT INFORMATION**
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- ★ **FULL LISTING OF ALL OUR PRODUCTS**

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★ **INDUSTRIAL
PLASTICS**

★ **ORNAMENTAL
IRON**

★ **FIBREGLASS
GRATING**

★ **ALLOYS**

★ **SIGN
METALS**

★ **RACING
METALS**



Our mission at the American Metal Supply Company is to achieve the highest degree of customer satisfaction possible by providing the most expedient delivery of top-quality metal products to any and every metal consumer. In all respects, we intend to be the best distributor in the business.

We are a team-oriented, customer-driven distributor in pursuit of service excellence.



We believe

that a solid reputation is earned one customer, and indeed, one order at a time.

We believe

that no customer, nor any order, is too small to deserve anything less than our complete attention.

We believe

that we cannot win customer loyalty by simply meeting our customer's expectations. We must exceed their expectations with every opportunity.

We believe

that the health, safety and welfare of our employees are fundamental elements of our business.

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TERMS & CONDITIONS:



Returned Goods

Orders may not be returned without prior authorization from A.M.S. If the responsibility is ours or the manufacturer's, we will replace the material promptly. In all other cases, we will attempt to minimize the customer's expense or loss. If we authorize a return, we reserve the right to make reasonable handling charges for returned goods.

Cancellation

Special orders (goods not normally carried in stock) may not be cancelled without our prior authorization. Such authorization will depend on terms we receive from the manufacturers. Orders for stock material that have already been processed may not be cancelable. This determination will be made at A.M.S.'s sole discretion.



Claims

Claims for shortages in shipment, defective goods, or errors must be made within 10 days after receipt of order. Claims for shortages or damage caused by delivering carrier should be made directly with them. Claims for defective material may need to be inspected and approved by the manufacturers before credit can be issued.

Responsibility

A.M.S.'s liability is limited to replacement of defective material. We are not responsible for and assume no liability for labor, incidental or consequential damages or other expenses. Statistical information contained in this catalog (pertaining to speeds, strength, specifications, proper working load of materials, tools, machines) was derived from manufacturer's tables and reprinted by us for our customer's convenience. We assume no responsibility by this reprint.

WHY BUY FROM AMERICAN METAL SUPPLY?



- Same-Day-Delivery when needed
- 24-hour, 7-day-a-week, 365-days-a-year service commitment
- Significant inventory available for quick service
- Flexible tailored, personal service
 - a) types of special items
 - b) special handling & delivery instructions
 - c) cycle stock counting with automatic ordering
 - d) special payment arrangements
- We provide only top-quality, prime metal products
- We cut and shear to size without delay
- Available drop-inventory for smaller requirements
- We accept Visa, MasterCard, and American Express
- We have access to hundreds of sources for special or hard-to-find items
- We have no minimum order requirements
- Small orders are our specialty
- Fast, friendly, reliable service
- Quick credit approval
- Competitive Pricing
- FREE Delivery

STANDARD BEAMS

ASTM A-36

STOCK LENGTHS:

3" thru 12": 20', 30', 40' and 60'

Sizes over 12": 20', 30' and 60'

Nominal Size	Weight Per Ft.	Depth of Section Inches	Flange		Web
			Width Inches	Thickness Inches	Thickness Inches
3S	5.70	3.00	2.330	.260	.170
	7.50	3.00	2.509	.260	.349
4S	7.70	4.00	2.663	.293	.193
	9.50	4.00	2.796	.293	.326
5S	10.00	5.00	3.004	.326	.214
6S	12.50	6.00	3.332	.359	.232
	17.25	6.00	3.565	.359	.465
7S	15.30	7.00	3.662	.392	.252
8S	18.40	8.00	4.001	.425	.271
	23.00	8.00	4.171	.425	.441
10S	25.40	10.00	4.661	.491	.311
	35.00	10.00	4.944	.491	.594
12S	31.80	12.00	5.000	.544	.350
	35.00	12.00	5.078	.544	.428
15S	40.80	12.00	5.252	.659	.462
	50.00	12.00	5.477	.659	.687
	42.90	15.00	5.501	.622	.411
18S	50.00	15.00	5.640	.622	.550
	54.70	18.00	6.001	.691	.461
20S	70.00	18.00	6.251	.691	.711
	66.00	20.00	6.255	.795	.505
24S	75.00	20.00	6.385	.795	.635
	86.00	20.30	7.060	.920	.660
	96.00	20.30	7.200	.920	.800
	80.00	24.00	7.000	.870	.500
	106.00	24.50	7.870	1.090	.620
	121.00	24.50	8.050	1.090	.800

WIDE FLANGE

ASTM A-36

STOCK LENGTHS;

4" thru 12": 20', 30', 40' and 60'

Sizes over 12": 20', 30', and 60'

Nominal Size	Weight Per Ft.	Depth of Section Inches	Flange		Web Thickness Inches	
			Width Inches	Thickness Inches		
4W	13.0	4.16	4.060	.345	.280	
5W	16.0	5.01	5.000	.360	.240	
	19.0	5.15	5.030	.430	.270	
6W	9.0	5.90	3.940	.215	.170	
	12.0	6.03	4.000	.280	.230	
	15.0	5.99	5.990	.260	.230	
	16.0	6.28	4.030	.405	.260	
	20.0	6.20	6.020	.365	.260	
	25.0	6.38	6.080	.455	.320	
6M	4.4	6.00	1.844	.171	.114	
8W	10.0	7.89	3.940	.205	.170	
	13.0	7.99	4.000	.255	.230	
	15.0	8.11	4.015	.315	.245	
	18.0	8.14	5.250	.330	.230	
	21.0	8.28	5.270	.400	.250	
	24.0	7.93	6.495	.400	.245	
	28.0	8.06	6.535	.465	.285	
	31.0	8.00	7.995	.435	.285	
	35.0	8.12	8.020	.495	.310	
	40.0	8.25	8.070	.560	.360	
	48.0	8.50	8.110	.685	.400	
8M	58.0	8.75	8.220	.810	.510	
	67.0	9.00	8.280	.935	.570	
	10W	6.5	8.00	2.281	.189	.135
		12.0	9.87	3.960	.210	.190
		15.0	9.99	4.000	.270	.230
		17.0	10.11	4.010	.330	.240
		19.0	10.24	4.020	.395	.250
		22.0	10.17	5.750	.360	.240
		26.0	10.33	5.770	.440	.260
		30.0	10.47	5.810	.510	.300
10W	33.0	9.73	7.960	.435	.290	
	39.0	9.92	7.985	.530	.315	
	45.0	10.10	8.020	.620	.350	
	49.0	9.98	10.000	.560	.340	
	54.0	10.09	10.030	.615	.370	
	60.0	10.22	10.080	.680	.420	
	68.0	10.40	10.130	.770	.470	
	77.0	10.60	10.190	.870	.530	
	88.0	10.84	10.265	.990	.605	
	100.0	11.10	10.340	1.120	.680	
10M	112.0	11.36	10.415	1.250	.755	
	12W	9.0	10.00	2.690	.206	.157
		14.0	11.91	3.970	.225	.200
		16.0	11.99	3.990	.265	.220

WIDE FLANGE CONTINUED

ASTM A-36

Nominal Size	Weight Per Ft.	Depth of Section Inches	Flange		Web Thickness Inches
			Width Inches	Thickness Inches	
12W	19.0	12.16	4.005	.350	.235
	22.0	12.31	4.030	.425	.260
	26.0	12.22	6.490	.380	.230
	30.0	12.34	6.520	.440	.260
	35.0	12.50	6.560	.520	.300
	40.0	11.94	8.005	.515	.295
	45.0	12.06	8.045	.575	.335
	50.0	12.19	8.080	.640	.370
	53.0	12.06	9.995	.575	.345
	58.0	12.19	10.010	.640	.360
	65.0	12.12	12.000	.605	.390
	72.0	12.25	12.040	.670	.430
	79.0	12.38	12.080	.735	.470
	87.0	12.53	12.125	.810	.515
	96.0	12.71	12.160	.900	.550
	106.0	12.89	12.220	.990	.610
	120.0	13.12	12.320	1.105	0.710
	136.0	13.41	12.400	1.250	0.790
	152.0	13.71	12.480	1.400	0.870
	170.0	14.03	12.570	1.560	0.960
190.0	14.38	12.670	1.735	1.060	
12M 14W	11.8	12.00	3.065	.225	.177
	22.0	13.74	5.000	.335	.230
	26.0	13.91	5.025	.420	.255
	30.0	13.84	6.730	.385	.270
	34.0	13.98	6.745	.455	.285
	38.0	14.10	6.770	.515	.310
	43.0	13.66	7.995	.530	.305
	48.0	13.79	8.030	.595	.340
	53.0	13.92	8.060	.660	.370
	61.0	13.89	9.995	.645	.375
	68.0	14.04	10.035	.720	.415
	74.0	14.17	10.070	.785	.450
	82.0	14.31	10.130	.855	.510
	90.0	14.02	14.520	.710	.440
	109.0	14.32	14.605	.860	.525
	120.0	14.48	14.670	.940	.590
	132.0	14.66	14.725	1.030	.645
	159.0	14.98	15.565	1.190	.745
	211.0	15.72	15.800	1.560	.980
	233.0	16.04	15.890	1.720	1.070
257.0	16.38	15.995	1.890	1.175	
283.0	16.74	16.110	2.070	1.290	
311.0	17.12	16.230	2.260	1.410	
342.0	17.54	16.360	2.470	1.540	
370.0	17.92	16.475	2.660	1.655	
398.0	18.29	16.590	2.845	1.770	
426.0	18.67	16.695	3.035	1.875	
455.0	19.02	16.835	3.210	2.015	
500.0	19.60	17.010	3.500	2.190	
550.0	20.24	17.200	3.820	2.380	
605.0	20.92	17.415	4.160	2.595	

WIDE FLANGE CONTINUED

ASTM A-36

Nominal Size	Weight Per Ft.	Depth of Section Inches	Flange		Web Thickness Inches
			Width Inches	Thickness Inches	
14W	665.0	21.64	17.650	4.520	2.830
	730.0	22.42	17.890	4.910	3.070
16W	26.0	15.69	5.500	.345	.250
	31.0	15.88	5.525	.440	.275
	36.0	15.86	6.985	.430	.295
	40.0	16.01	6.995	.505	.305
	45.0	16.13	7.035	.565	.345
	50.0	16.26	7.070	.630	.380
	57.0	16.43	7.120	.715	.430
	67.0	16.33	10.235	.665	.395
	77.0	16.52	10.295	.760	.455
	89.0	16.75	10.365	.875	.525
	100.0	16.97	10.425	.985	.585
18W	35.0	17.70	6.000	.425	.300
	40.0	17.90	6.015	.525	.315
	46.0	18.06	6.060	.605	.360
	50.0	17.99	7.495	.570	.355
	55.0	18.11	7.530	.630	.390
	60.0	18.24	7.555	.695	.415
	65.0	18.35	7.590	.750	.450
	71.0	18.47	7.635	.810	.495
	76.0	18.21	11.035	.680	.425
	86.0	18.39	11.090	.770	.480
	97.0	18.59	11.145	.870	.535
21W	106.0	18.73	11.200	.940	.590
	119.0	18.97	11.265	1.060	.655
	130.0	19.25	11.160	1.200	.670
	143.0	19.49	11.220	1.320	.730
	44.0	20.66	6.500	.450	.350
	50.0	20.83	6.530	.535	.380
	57.0	21.06	6.555	.650	.405
	62.0	20.99	8.240	.615	.400
	68.0	21.13	8.270	.685	.430
	73.0	21.24	8.295	.740	.455
	83.0	21.43	8.355	.835	.515
24W	93.0	21.62	8.420	.930	.580
	101.0	21.36	12.290	.800	.500
	111.0	21.51	12.340	.875	.550
	147.0	22.06	12.510	1.150	.720
	166.0	22.48	12.420	1.360	.750
	55.0	23.57	7.005	.505	.395
	62.0	23.74	7.040	.590	.430
	68.0	23.73	8.965	.585	.415
	76.0	23.92	8.990	.680	.440
	84.0	24.10	9.020	.770	.470
	94.0	24.31	9.065	.875	.515
24W	104.0	24.06	12.750	.750	.500
	117.0	24.26	12.800	.850	.550
	131.0	24.48	12.855	.960	.605
	146.0	24.74	12.900	1.090	.650
	162.0	25.00	12.955	1.220	.705
	176.0	25.24	12.890	1.340	.750

WIDE FLANGE CONTINUED

ASTM A-36

Nominal Size	Weight Per Ft.	Depth of Section Inches	Flange		Web Thickness Inches
			Width Inches	Thickness Inches	
27W	84.0	26.71	9.960	.640	.460
	94.0	26.92	9.990	.745	.490
	102.0	27.09	10.015	.830	.515
	114.0	27.29	10.070	.930	.570
	146.0	27.38	13.965	.975	.605
	161.0	27.59	14.020	1.080	.660
	178.0	27.81	14.085	1.190	.725
	194.0	28.11	14.035	1.340	.750
	217.0	28.43	14.115	1.500	.830
30W	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
33W	148.0	30.67	10.480	1.180	.650
	118.0	32.86	11.480	.740	.550
	130.0	33.09	11.510	.855	.580
	141.0	33.30	11.535	.960	.605
	152.0	33.49	11.565	1.055	.635
33W	169.0	33.82	11.500	1.220	.670
	201.0	33.68	15.745	1.150	.715
	221.0	33.93	15.805	1.275	.775
	241.0	34.18	15.860	1.400	.830
	263.0	34.53	15.805	1.570	.870
	291.0	34.84	15.905	1.730	.960
	318.0	35.16	15.905	1.890	1.040
36W	354.0	35.55	16.100	2.090	1.160
	135.0	35.55	11.950	.790	.600
	150.0	35.85	11.975	.940	.625
	160.0	36.01	12.000	1.020	.650
	170.0	36.17	12.030	1.100	.680
	182.0	36.33	12.075	1.180	.725
	194.0	36.49	12.115	1.260	.765
	210.0	36.69	12.180	1.360	.830
	230.0	35.90	16.470	1.260	.760
	232.0	37.12	12.120	1.570	.870
	245.0	36.08	16.510	1.350	.800
	256.0	37.43	12.215	1.730	.960
	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
328.0	37.09	16.630	1.850	1.020	
359.0	37.40	16.730	2.010	1.120	

STANDARD CHANNELS

ASTM A-36

STRUCTURAL STOCK LENGTHS:

Thru 12": 20', 30', 40' and 60'

Over 12": 20', 30' and 60'

	Depth of Section	Wt. Per Ft.	Flange Width	Web Thickness
3" x		4.10	1.410	.170
		5.00	1.498	.258
		6.00	1.596	.356
4" x		5.40	1.580	.180
		7.25	1.720	.320
5" x		6.70	1.750	.190
		9.00	1.885	.325
6" x		8.20	1.920	.200
		10.50	2.034	.314
		13.00	2.157	.437
7" x		9.80	2.090	.210
		12.25	2.194	.314
		14.75	2.299	.419
8" x		11.50	2.260	.220
		13.75	2.343	.303
		18.75	2.527	.487
9" x		13.40	2.430	.230
		15.00	2.485	.285
		20.00	2.648	.448
10" x		15.30	2.600	.240
		20.00	2.739	.379
		25.00	2.886	.526
		30.00	3.033	.673
12" x		20.70	2.940	.280
		25.00	3.047	.387
		30.00	3.170	.510
15" x		33.90	3.400	.400
		40.00	3.520	.520
		50.00	3.716	.716

MISCELLANEOUS CHANNELS

ASTM A-36

STOCK LENGTHS:

Thru 12" : 20', 30', 40' and 60'

Over 12" : 20', 30' and 60'

	Depth of Section Wt. Per Ft.	Flange Width	Web Thickness
3" x	7.1	1.938	.313
	9.0	2.122	.497
4" x	13.8	2.500	.500
6" x	12.0	2.500	.313
	15.1	2.938	.313
	15.3	3.500	.340
	16.3	3.000	.375
	18.0	3.500	.375
7" x	17.6	3.000	.375
	19.1	3.450	.350
	22.7	3.600	.500
8" x	8.50	1.875	.180
8" x	18.7	2.975	.350
	20.0	3.025	.400
	21.4	3.450	.375
	22.8	3.500	.425
9" x	23.9	3.450	.400
	25.4	3.500	.450
10" x	6.5	1.125	.150
	8.4	1.500	.170
10" x	22.0	3.315	.290
	28.5	3.950	.425
12" x	10.6	1.500	.190
	31.0	3.670	.370
	35.0	3.767	.467
	40.0	3.890	.590
	50.0	4.135	.835
13" x	31.8	4.000	.375
	35.0	4.072	.447
	40.0	4.185	.560
	50.0	4.412	.787
18" x	42.7	3.950	.450
	45.8	4.000	.500
	51.9	4.100	.600
	58.0	4.200	.700

ANGLES

A-36

BAR SIZE

STOCK LENGTHS: 20' and 40'

STRUCTURAL

STOCK LENGTHS: 20', 30', 40' and 60'

Size	Weight Per Ft.	Size	Weight Per Ft.
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$	.38	$2\frac{1}{2} \times 2 \times \frac{3}{16}$	2.75
$\frac{5}{8} \times \frac{5}{8} \times \frac{1}{8}$	.48	x $\frac{1}{4}$	3.62
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$	.59	x $\frac{5}{16}$	4.50
$\frac{7}{8} \times \frac{7}{8} \times \frac{1}{8}$	.70	x $\frac{3}{8}$	5.30
1 x $\frac{5}{8} \times \frac{1}{8}$	.64	$2\frac{1}{2} \times 2\frac{1}{2} \times \frac{3}{16}$	3.07
1 x 1 x $\frac{1}{8}$	.80	x $\frac{1}{4}$	4.10
x $\frac{3}{16}$	1.16	x $\frac{5}{16}$	5.00
x $\frac{1}{4}$	1.49	x $\frac{3}{8}$	5.90
$1\frac{1}{8} \times 1\frac{1}{8} \times \frac{1}{8}$	.90	x $\frac{1}{2}$	7.70
$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$	1.01	STRUCTURAL	
x $\frac{3}{16}$	1.48	3 x 2 x $\frac{3}{16}$	3.10
x $\frac{1}{4}$	1.92	x $\frac{1}{4}$	4.10
$1\frac{1}{2} \times 1\frac{1}{4} \times \frac{3}{16}$	1.64	x $\frac{5}{16}$	5.00
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$	1.23	x $\frac{3}{8}$	5.90
x $\frac{3}{16}$	1.80	x $\frac{1}{2}$	7.70
x $\frac{1}{4}$	2.34	3 x $2\frac{1}{2} \times \frac{1}{4}$	4.50
$1\frac{3}{4} \times 1\frac{1}{4} \times \frac{1}{8}$	1.23	x $\frac{5}{16}$	5.60
$1\frac{3}{4} \times 1\frac{3}{4} \times \frac{1}{8}$	1.44	x $\frac{3}{8}$	6.60
x $\frac{3}{16}$	2.12	x $\frac{1}{2}$	8.50
x $\frac{1}{4}$	2.77	3 x 3 x $\frac{3}{16}$	3.70
2 x $1\frac{1}{4} \times \frac{3}{16}$	1.96	x $\frac{1}{4}$	4.90
x $\frac{1}{4}$	2.55	x $\frac{5}{16}$	6.10
2 x $1\frac{1}{2} \times \frac{1}{8}$	1.44	x $\frac{3}{8}$	7.20
x $\frac{3}{16}$	2.12	x $\frac{1}{2}$	9.40
x $\frac{1}{4}$	2.77	$3\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{4}$	4.90
2 x 2 x $\frac{1}{8}$	1.65	x $\frac{5}{16}$	6.10
x $\frac{3}{16}$	2.44	x $\frac{3}{8}$	7.20
x $\frac{1}{4}$	3.19	x $\frac{1}{2}$	9.40
x $\frac{5}{16}$	3.92	$3\frac{1}{2} \times 3 \times \frac{1}{4}$	5.40
x $\frac{3}{8}$	4.70	x $\frac{5}{16}$	6.60
$2\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	2.44	x $\frac{3}{8}$	7.90
x $\frac{1}{4}$	3.19	x $\frac{1}{2}$	10.20
x $\frac{5}{16}$	3.92	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{4}$	5.80

ANGLES CONTINUED

A-36

Size	Weight Per Ft.	Size	Weight Per Ft.
3 1/2 x 3 1/2 x 5/16	7.20	5 x 5 x 3/4	23.6
x 3/8	8.50	6 x 3 1/2 x 5/16	9.8
x 1/2	11.10	x 3/8	11.7
4 x 3 x 1/4	5.80	x 1/2	15.3
x 5/16	7.20	6 x 4 x 5/16	10.3
x 3/8	8.50	x 3/8	12.3
x 1/2	11.10	x 1/2	16.2
4 x 3 1/2 x 1/4	6.2	x 5/8	20.0
x 5/16	7.7	x 3/4	23.6
x 3/8	9.1	6 x 6 x 3/8	14.9
x 1/2	11.9	x 1/2	19.6
4 x 4 x 1/4	6.6	x 5/8	24.2
x 5/16	8.2	x 3/4	28.7
x 3/8	9.8	x 7/8	33.1
x 1/2	12.8	x 1	37.4
x 5/8	15.7	7 x 4 x 3/8	13.6
x 3/4	18.5	x 1/2	17.9
5 x 3 x 1/4	6.6	x 5/8	22.1
x 5/16	8.2	x 3/4	26.2
x 3/8	9.8	8 x 4 x 1/2	19.6
x 1/2	12.8	x 5/8	24.2
5 x 3 1/2 x 1/4	7.0	x 3/4	28.7
x 5/16	8.7	x 1	37.4
x 3/8	10.4	8 x 6 x 1/2	23.0
x 1/2	13.6	x 3/4	33.8
x 5/8	16.8	x 1	44.2
x 3/4	19.8	8 x 8 x 1/2	26.4
5 x 5 x 5/16	10.3	x 5/8	32.7
x 3/8	12.3	x 3/4	38.9
x 1/2	16.2	x 1	51.0
x 5/8	20.0	x 1 1/8	56.9

TEES

A-36

STOCK LENGTHS: 20'

Size	Weight Per Ft.
1 1/4 x 1 1/4 x 3/16	1.55
1 1/2 x 1 1/2 x 3/16	1.80
x 1/4	2.43
1 3/4 x 1 3/4 x 3/16	2.26
2 x 2 x 1/4	3.62
x 5/16	4.30
2 1/2 x 2 1/2 x 1/4	4.60

BAR CHANNELS

A-36

STOCK LENGTHS: 20'

Size	Weight Per Ft.
3/4 x 3/8 x 1/8	.56
7/8 x 3/8 x 1/8	.65
1 x 3/8 x 1/8	.68
1 x 1/2 x 1/8	.84
1 1/4 x 1/2 x 1/8	1.01
1 1/2 x 1/2 x 1/8	1.12
2 x 1/2 x 1/8	1.43
2 x 5/8 x 1/4	2.28
2 x 1 x 1/8	1.59
2 x 1 x 3/16	2.32
2 1/2 x 5/8 x 3/16	2.27

FLAT BAR

**HOT ROLLED,
COLD FINISHED, ALLOY**
STOCK LENGTHS: 10', 12', 20' R/L

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
$\frac{1}{8}$ x $\frac{1}{4}$	.106	$\frac{3}{16}$ x 6	3.825
$\frac{5}{16}$	.133	$\frac{1}{4}$ x $\frac{3}{8}$	.319
$\frac{3}{8}$	.159	$\frac{1}{2}$	.425
$\frac{7}{16}$	.186	$\frac{5}{8}$	.531
$\frac{1}{2}$	.213	$\frac{3}{4}$	.638
$\frac{5}{8}$	.266	1	.850
$\frac{3}{4}$	.319	1 $\frac{1}{4}$	1.063
$\frac{7}{8}$	.372	1 $\frac{1}{2}$	1.280
1	.425	1 $\frac{3}{4}$	1.490
1 $\frac{1}{4}$	.531	2	1.700
1 $\frac{1}{2}$	.638	2 $\frac{1}{4}$	1.913
1 $\frac{3}{4}$	.744	2 $\frac{1}{2}$	2.130
2	.850	3	2.550
2 $\frac{1}{2}$	1.060	$\frac{1}{4}$ x 3 $\frac{1}{2}$	2.980
3	1.280	4	3.400
3 $\frac{1}{2}$	1.490	4 $\frac{1}{2}$	3.830
4	1.700	5	4.250
5	2.130	6	5.100
6	2.550	8	6.800
8	3.400	10	8.510
$\frac{3}{16}$ x $\frac{1}{2}$	.319	12	10.210
$\frac{3}{4}$	.478	$\frac{5}{16}$ x $\frac{1}{2}$	.531
$\frac{7}{8}$	.558	$\frac{5}{8}$	.664
1	.638	$\frac{3}{4}$	.797
1 $\frac{1}{4}$	.797	1	1.063
1 $\frac{1}{2}$	.956	1 $\frac{1}{4}$	1.330
1 $\frac{3}{4}$	1.120	1 $\frac{1}{2}$	1.594
2	1.280	2	2.130
2 $\frac{1}{4}$	1.434	2 $\frac{1}{2}$	2.660
2 $\frac{1}{2}$	1.594	3	3.190
3	1.913	3 $\frac{1}{2}$	3.720
3 $\frac{1}{2}$	2.230	4	4.250
4	2.550	5	5.313
5	3.190	6	6.380

FLAT BAR CONTINUED

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
$\frac{3}{8} \times \frac{1}{2}$	.638	$\frac{1}{2} \times 5$	8.500
$\frac{5}{8}$	.797	6	10.200
$\frac{3}{4}$	.956	8	13.600
$\frac{7}{8}$	1.120	10	17.000
1	1.280	12	20.400
$1\frac{1}{4}$	1.594	$\frac{5}{8} \times \frac{3}{4}$	1.590
$1\frac{1}{2}$	1.913	1	2.130
$1\frac{3}{4}$	2.230	$1\frac{1}{4}$	2.660
2	2.550	$1\frac{1}{2}$	3.190
$2\frac{1}{2}$	3.190	2	4.250
3	3.830	$2\frac{1}{4}$	4.780
$3\frac{1}{2}$	4.463	$2\frac{1}{2}$	5.310
4	5.100	3	6.380
5	6.380	$3\frac{1}{2}$	7.440
6	7.650	4	8.500
8	10.200	5	10.630
10	12.77	6	12.750
12	15.320	8	17.000
$\frac{7}{16} \times \frac{1}{2}$	.744	10	21.28
$\frac{3}{4}$	1.120	12	25.53
1	1.490	$\frac{3}{4} \times 1$	2.550
$1\frac{1}{4}$	1.860	$1\frac{1}{4}$	3.190
2	2.980	$1\frac{1}{2}$	3.830
$2\frac{1}{2}$	3.720	$1\frac{3}{4}$	4.460
$\frac{1}{2} \times \frac{5}{8}$	1.060	2	5.100
$\frac{3}{4}$	1.280	$2\frac{1}{4}$	5.740
$\frac{7}{8}$	1.490	$2\frac{1}{2}$	6.380
1	1.700	3	7.650
$1\frac{1}{4}$	2.130	$3\frac{1}{2}$	8.930
$1\frac{1}{2}$	2.550	4	10.200
$1\frac{3}{4}$	2.980	$4\frac{1}{2}$	11.480
2	3.400	5	12.750
$2\frac{1}{4}$	3.830	6	15.300
$2\frac{1}{2}$	4.250	8	20.400
$2\frac{3}{4}$	4.680	10	25.53
3	5.100	12	30.63
$3\frac{1}{2}$	5.950	$\frac{7}{8} \times 1$	2.980
4	6.800	$1\frac{1}{2}$	4.460
$4\frac{1}{2}$	7.650	2	5.950

FLAT BAR CONTINUED

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
$\frac{7}{8} \times 2\frac{1}{2}$	7.440	$1\frac{1}{2} \times 2\frac{1}{2}$	12.750
3	8.930	3	15.300
5	14.880	$3\frac{1}{2}$	17.850
6	17.850	4	20.400
$1 \times 1\frac{1}{4}$	4.250	5	25.500
$1\frac{1}{2}$	5.100	6	30.600
$1\frac{3}{4}$	5.950	8	40.800
2	6.800	10	51.000
$2\frac{1}{4}$	7.650	12	61.260
$2\frac{1}{2}$	8.500	$1\frac{3}{4} \times 2$	11.90
3	10.200	$3\frac{1}{2}$	20.830
$3\frac{1}{2}$	11.900	4	23.80
4	13.600	$2 \times 2\frac{1}{4}$	15.30
$4\frac{1}{2}$	15.300	$2\frac{1}{2}$	17.000
5	17.000	3	20.400
6	20.400	$3\frac{1}{2}$	23.800
8	27.200	4	27.200
10	34.000	5	34.000
12	40.84	6	40.800
$1\frac{1}{4} \times 1\frac{1}{2}$	6.38	8	54.400
2	8.500	10	68.000
$2\frac{1}{2}$	10.630	12	81.600
3	12.750	$2\frac{1}{4} \times 4$	30.600
$3\frac{1}{2}$	14.88	$4\frac{1}{2}$	34.430
4	17.000	$2\frac{1}{2} \times 3\frac{1}{2}$	29.750
5	21.250	4	34.000
6	25.500	5	42.500
8	34.000	6	51.000
10	42.500	8	68.000
12	51.000	3×4	40.800
$1\frac{1}{2} \times 2$	10.200	$4\frac{1}{2}$	45.900

SQUARE BARS

HOT ROLLED, COLD FINISHED

STOCK LENGTHS: 12' R/L, 20' R/L

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
1/8	.053	1 3/16	4.795
3/16	.120	1 1/4	5.313
1/4	.213	1 3/8	6.430
5/16	.332	1 1/2	7.650
3/8	.478	1 3/4	10.410
7/16	.652	2	13.600
1/2	.850	2 1/4	17.210
9/16	1.080	2 1/2	21.250
5/8	1.330	2 3/4	25.710
1 1/16	1.610	3	30.600
3/4	1.913	3 1/2	41.650
13/16	2.240	4	54.400
7/8	2.603	5	85.000
15/16	2.990	5 1/2	102.90
1	3.400	6	122.40
1 1/8	4.303		

ROUND BARS

HOT ROLLED, COLD FINISHED, ALLOY, CHROME-PLATED

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
1/8"	.042	5/8"	1.040
3/16"	.094	1 1/16"	1.260
1/4"	.167	3/4"	1.500
5/16"	.261	13/16"	1.760
3/8"	.376	7/8"	2.040
7/16"	.511	15/16"	2.350
1/2"	.688	1"	2.670
17/32"	.754	1 1/16"	3.010
9/16"	.845	1 1/8"	3.380

ROUND BARS CONTINUED

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
1 ³ / ₁₆ "	3.770	3 ⁵ / ₈ "	35.090
1 ¹ / ₄ "	4.170	3 ¹¹ / ₁₆ "	36.310
1 ⁵ / ₁₆ "	4.600	3 ³ / ₄ "	37.550
1 ³ / ₈ "	5.050	3 ⁷ / ₈ "	40.100
1 ⁷ / ₁₆ "	5.520	3 ¹⁵ / ₁₆ "	41.400
1 ¹ / ₂ "	6.010	4"	42.730
1 ⁵ / ₈ "	7.050	4 ³ / ₁₆ "	46.830
1 ¹¹ / ₁₆ "	7.600	4 ¹ / ₄ "	48.230
1 ³ / ₄ "	8.180	4 ⁷ / ₁₆ "	52.580
1 ¹³ / ₁₆ "	8.770	4 ¹ / ₂ "	54.080
1 ⁷ / ₈ "	9.390	4 ³ / ₄ "	60.250
1 ¹⁵ / ₁₆ "	10.020	4 ¹⁵ / ₁₆ "	65.100
2"	10.680	5"	66.760
2 ¹ / ₁₆ "	11.360	5 ¹ / ₄ "	73.600
2 ¹ / ₈ "	12.060	5 ⁷ / ₁₆ "	78.950
2 ³ / ₁₆ "	12.780	5 ¹ / ₂ "	80.780
2 ¹ / ₄ "	13.520	5 ³ / ₄ "	88.290
2 ⁵ / ₁₆ "	14.280	5 ¹⁵ / ₁₆ "	94.140
2 ³ / ₈ "	15.060	6"	96.130
2 ⁷ / ₁₆ "	15.870	6 ¹ / ₄ "	104.31
2 ¹ / ₂ "	16.690	6 ³ / ₈ "	108.52
2 ⁹ / ₁₆ "	17.530	6 ¹ / ₂ "	112.80
2 ⁵ / ₈ "	18.400	6 ⁵ / ₈ "	117.20
2 ¹¹ / ₁₆ "	19.290	6 ³ / ₄ "	121.67
2 ³ / ₄ "	20.200	7"	130.80
2 ⁷ / ₈ "	22.070	7 ¹ / ₄ "	140.40
2 ¹⁵ / ₁₆ "	23.040	7 ¹ / ₂ "	150.20
3"	24.030	8"	170.90
3 ¹ / ₈ "	26.080	8 ¹ / ₂ "	192.90
3 ³ / ₁₆ "	27.130	9"	216.30
3 ¹ / ₄ "	28.210	9 ¹ / ₄ "	228.48
3 ⁵ / ₁₆ "	29.300	9 ¹ / ₂ "	241.00
3 ³ / ₈ "	30.420	10"	267.00
3 ⁷ / ₁₆ "	31.550	11"	323.07
3 ¹ / ₂ "	32.710	12"	384.50
3 ⁹ / ₁₆ "	33.890		

REINFORCING BARS

STOCK LENGTHS: 20'

No.	Size in Inches	Weight Per Foot
3	$\frac{3}{8}$	.376
4	$\frac{1}{2}$	.668
5	$\frac{5}{8}$	1.043
6	$\frac{3}{4}$	1.502
7	$\frac{7}{8}$	2.044
8	1	2.670

HEXAGON BARS

STOCK LENGTHS: 12'

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
$\frac{1}{8}$ "	.184	$1\frac{1}{8}$ "	3.730
$\frac{5}{16}$ "	.288	$1\frac{1}{4}$ "	4.600
$\frac{3}{8}$ "	.414	$1\frac{3}{8}$ "	5.570
$\frac{7}{16}$ "	.564	$1\frac{7}{16}$ "	6.085
$\frac{1}{2}$ "	.736	$1\frac{1}{2}$ "	6.630
$\frac{9}{16}$ "	.932	$1\frac{5}{8}$ "	7.780
$\frac{5}{8}$ "	1.150	$1\frac{3}{4}$ "	9.020
$1\frac{1}{16}$ "	1.390	$1\frac{13}{16}$ "	9.673
$\frac{3}{4}$ "	1.660	$1\frac{7}{8}$ "	10.350
$\frac{7}{8}$ "	2.250	2"	11.780
$1\frac{5}{16}$ "	2.588	$2\frac{1}{4}$ "	14.910
1"	2.940	$2\frac{1}{2}$ "	18.400
$1\frac{1}{16}$ "	3.320	3"	26.500

COATED SHEETS (COILS)

GALVANIZED (G-90), GALVANNEALED

10	.130	5.781
11	.115	5.156
12	.100	4.531
14	.071	3.281
16	.058	2.656
18	.047	2.156
20	.036	1.656
22	.030	1.406
24	.024	1.156
26	.019	.906

ALUMINIZED (TYPE I)

Thickness (Minimum)		
Gauge	Decimal Inches	Est. Weight Per Sq. Ft. (Nominal)
16	.058	2.613
18	.047	2.113
20	.036	1.613

HOT ROLLED SHEETS (COILS)

COMMERCIAL QUALITY, DRY

Thickness (Minimum)		
Gauge	Decimal Inches	Est. Weight Per Sq. Ft.
10	.134	5.63
11	.120	5.00
12	.105	4.38
14	.075	3.13
16	.060	2.50

COLD ROLLED SHEETS (COILS)

COMMERCIAL QUALITY, OILED

Thickness (Minimum)		
Gauge	Decimal Inches	Est. Weight Per Sq. Ft. (Nominal)
11	.1140	5.000
12	.099	4.375
14	.070	3.125
16	.055	2.500
18	.044	2.000
20	.033	1.500
22	.027	1.250
24	.021	1.000

PLATES

MILD STEEL, ABRASION RESISTING, T-1, S.T.A.R., AND CORT-EN

Thickness	Weight Per Sq. Ft.	Thickness	Weight Per Sq. Ft.
3/16"	7.66	2"	81.68
1/4"	10.21	2 1/4"	91.89
5/16"	12.76	2 1/2"	102.10
3/8"	15.32	2 3/4"	112.31
7/16"	17.87	3"	122.52
1/2"	20.42	3 1/4"	132.73
9/16"	22.97	3 1/2"	142.93
5/8"	25.53	3 3/4"	153.14
3/4"	30.63	4"	163.35
7/8"	35.74	4 1/4"	173.56
1"	40.84	4 1/2"	183.77
1 1/8"	45.95	5"	204.19
1 1/4"	51.05	6"	245.03
1 3/8"	56.16	7"	285.87
1 1/2"	61.26	8"	326.71
1 5/8"	66.37	10"	408.38
1 3/4"	71.47		

FLOOR PLATE

4-WAY—MEDIUM PATTERN

Gauge Thickness	Weight Per Sq. Ft.
$\frac{3}{16}$	8.71
$\frac{1}{4}$	11.26
$\frac{5}{16}$	13.81
$\frac{3}{8}$	16.37
$\frac{1}{2}$	21.47
$\frac{3}{4}$	31.69

FLOOR SHEET

4-WAY—MEDIUM PATTERN

Gauge Thickness	Weight Per Sq. Ft.
11	6.16
12	5.25
14	3.75
16	3.00

ROUND TUBING

Size O.D.	Average Wall		Nominal I.D.	Weight Per Foot
	B.W. Ga.	Dec. Inches		
3/8"	20	.035	.305	.1271
	18	.049	.277	.1706
	17	.058	.259	.1964
1/2"	20	.035	.430	.1738
	19	.042	.416	.2054
	18	.049	.402	.2360
	16	.065	.370	.3020
5/8"	20	.035	.555	.2205
	18	.049	.527	.3014
	16	.065	.495	.3888
	14	.083	.459	.4805
	13	.095	.435	.5377
3/4"	20	.035	.680	.2673
	18	.049	.652	.3068
	16	.065	.620	.4755
	11	.120	.510	.8074
7/8"	20	.035	.085	.3140
	18	.049	.777	.4323
	16	.065	.745	.5623
	15	.072	.731	.6175
	14	.083	.709	.7021
1"	20	.035	.930	.3607
	18	.049	.902	.4977
	16	.065	.870	.6491
	14	.083	.834	.8129
	13	.095	.810	.9182
	11	.120	.760	1.1280
1 1/8"	9	.148	.704	1.3470
	20	.035	1.055	.4074
	18	.049	1.027	.5631
	16	.065	.995	.7359
	11	.120	.885	1.2880

ROUND TUBING CONTINUED

Size O.D.	Average Wall		Nominal I.D.	Weight Per Foot
	B.W. Ga.	Dec. Inches		
1 1/4"	20	.035	1.180	.4542
	18	.049	1.152	.6285
	16	.065	1.120	.8226
	14	.083	1.084	1.0340
	13	.095	1.060	1.1720
	12	.109	1.032	1.3280
	11	.120	1.010	1.4480
	7	.180	.890	2.0570
1 3/8"	20	.035	1.305	.5009
	18	.049	1.277	.6939
	16	.065	1.245	.9094
	11	.120	1.135	1.6080
1 1/2"	20	.035	1.430	.5476
	18	.049	1.402	.7593
	16	.065	1.370	.9962
	14	.083	1.334	1.2560
	11	.120	1.260	1.7690
1 5/8"	5	.220	1.060	3.0070
	20	.035	1.555	.5943
	18	.049	1.527	.8248
	16	.065	1.495	1.0830
1 3/4"	11	.120	1.385	1.9290
	20	.035	1.680	.6411
	18	.049	1.652	.8902
	16	.065	1.620	1.1700
1 7/8"	14	.083	1.584	1.4780
	11	.120	1.510	2.0890
	20	.035	1.805	.6878
	16	.065	1.745	1.2570
	14	.083	1.709	1.5890
2"	11	.120	1.635	2.2490
	20	.035	1.930	.7345

ROUND TUBING CONTINUED

Size O.D.	Average Wall		Nominal I.D.	Weight Per Foot
	B.W. Ga.	Dec. Inches		
2"	18	.049	1.902	1.0210
	16	.065	1.870	1.3430
	14	.083	1.834	1.6990
	13	.095	1.810	1.9330
	11	.120	1.760	2.4090
	$\frac{5}{32}$	.156	1.687	3.0720
	7	.180	1.640	3.4990
2 $\frac{1}{8}$ "	18	.049	2.027	1.0860
2 $\frac{1}{4}$ "	18	.049	2.152	1.1520
	16	.065	2.120	1.5170
	14	.083	2.084	1.9210
	11	.120	2.010	2.7300
	7	.180	1.875	3.9790
2 $\frac{3}{8}$ "	14	.083	2.209	2.0320
	$\frac{5}{32}$	.156	2.062	3.6970
	7	.180	2.015	4.2200
2 $\frac{1}{2}$ "	18	.049	2.402	1.2830
	16	.065	2.370	1.6900
	14	.083	2.334	2.1430
	11	.120	2.260	3.050
	7	.180	2.140	4.460
2 $\frac{3}{4}$ "	16	.065	2.620	1.864
	14	.083	2.584	2.364
	13	.095	2.560	2.694
	11	.120	2.510	3.371
3"	18	.049	2.902	1.544
	16	.065	2.870	2.037
	14	.083	2.834	2.586
	13	.085	2.810	2.947
	11	.120	2.760	3.691
	7	.180	2.640	5.421
	$\frac{1}{4}$	.250	2.500	7.343

ROUND TUBING CONTINUED

Size O.D.	Average Wall		Nominal I.D.	Weight Per Foot
	B.W. Ga.	Dec. Inches		
3 ¹ / ₈ "	16	.065	2.995	2.124
3 ¹ / ₄ "	16	.065	3.120	2.211
	13	.095	3.060	3.201
	11	.120	3.010	4.011
	7	.180	2.890	5.902
3 ¹ / ₂ "	16	.065	3.370	2.385
	14	.083	3.334	3.029
	11	.120	3.260	4.332
	7	.180	3.140	6.382
	1/4	.250	3.000	8.678
3 ⁵ / ₈ "	16	.065	3.495	2.471
3 ³ / ₄ "	16	.065	3.620	2.558
	16	.065	3.870	2.732
4"	11	.120	3.760	4.973
	10	.134	3.732	5.533
	7	.180	3.640	7.344
	1/4	.250	3.500	10.010
	11	.120	4.010	5.293
4 ¹ / ₂ "	11	.120	4.260	5.613
	1/4	.250	4.000	11.350
5"	11	.120	4.760	6.254
	7	.180	4.640	9.266
	1/4	.250	4.500	12.680
5 ¹ / ₂ "	1/4	.250	5.000	14.020
6"	11	.120	5.760	7.536
	7	.180	5.640	11.190
	1/4	.250	5.500	15.350

SQUARE & RECTANGULAR TUBING

STEEL TUBING

20' to 24' Random Lengths

Size in Inches	BWG Wall Thickness	Weight Per Foot
1/2 x 1/2	16	.385
	14	.471
5/8 x 5/8	16	.495
	14	.612
3/4 x 3/4	20	.340
	18	.467
	16	.605
1 x 1	14	.753
	20	.459
	18	.634
	16	.827
	15	.920
	14	1.035
	12	1.320
1 1/4 x 1 1/4	11	1.436
	20	.578
	18	.800
	16	1.047
	14	1.317
	12	1.691
1 1/2 x 1	11	1.844
	20	.578
	16	1.047
	14	1.317
1 1/2 x 1 1/2	11	1.844
	20	.697
	18	.967
	16	1.268
	14	1.599
1 5/8 x 1 5/8	12	2.062
	11	2.252
	11	2.456
	11	2.456
1 3/4 x 1 3/4	16	1.489
	14	1.881

SQUARE & RECTANGULAR TUBING CONTINUED

Size in Inches	BWG Wall Thickness	Weight Per Foot
1 $\frac{3}{4}$ x 1 $\frac{3}{4}$	11	2.660
2 x 1	16	1.268
	14	1.600
	11	2.252
2 x 1 $\frac{1}{2}$	16	1.489
	14	1.882
	11	2.660
2 x 2	18	1.300
	16	1.710
	14	2.164
	11	3.067
2 $\frac{1}{2}$ x 1	16	1.489
	14	1.881
	11	2.660
2 $\frac{1}{2}$ x 1 $\frac{1}{2}$	16	1.710
	14	2.164
	11	3.067
	16	2.152
2 $\frac{1}{2}$ x 2 $\frac{1}{2}$	14	2.699
	11	3.900
	16	1.710
	14	2.164
3 x 1	11	3.067
	16	1.931
	14	2.445
3 x 1 $\frac{1}{2}$	11	3.475
	16	2.152
	14	2.728
3 x 2	12	3.544
	16	2.594
	14	3.292
3 x 3	14	3.856
	16	2.594
3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	14	3.292
	14	3.860
4 x 2	14	3.292
4 x 3	14	3.860
4 x 4	14	4.421

SQUARE HOLLOW STRUCTURAL TUBING

STEEL TUBING

Stock Lengths of 20, 24, and 40 ft.

Sizes Inches	Weight Per Foot	Sizes Inches	Weight Per Foot
1 1/4 x 3/16	2.62	5 x 3/8	22.37
1 1/2 x 3/16	3.22	1/2	28.43
1/4	4.11	6 x 3/16	14.53
2" x .145	3.51	1/4	19.02
3/16	4.32	5/16	23.34
1/4	5.41	3/8	27.48
2 1/4 x 1/4	7.01	1/2	35.24
2 1/2 x 1/8	3.88	7 x 3/16	17.08
3/16	5.59	1/4	22.42
1/4	7.11	7 x 5/16	27.59
3 x 1/8	4.75	3/8	32.58
3/16	6.87	1/2	42.05
1/4	8.81	8 x 3/16	19.63
.320	10.70	1/4	25.82
.375	12.34	5/16	31.84
3 1/2 x 1/8	5.61	3/8	37.69
3/16	8.15	1/2	48.85
1/4	10.51	5/8	59.32
4 x 1/8	6.46	10 x 3/16	24.73
3/16	9.42	1/4	32.63
1/4	12.21	5/16	40.35
5/16	14.83	3/8	47.90
3/8	17.27	1/2	62.46
1/2	21.63	12 x 1/4	39.43
4 1/2 x 1/4	13.72	5/16	48.86
5 x 3/16	11.97	3/8	58.10
1/4	15.62	1/2	76.07
5/16	19.08		

RECTANGULAR HOLLOW STRUCTURAL TUBING

STEEL TUBING

Stock lengths of 20, 24 and 40 ft.

	Sizes Inches	Weight Per Foot
2 x	1 1/2 x 3/16	4.32
3 x	1 1/2 x 3/16	4.94
3 x	2 x 1/8	3.90
	3/16	5.59
	1/4	7.11
4 x	2 x 1/8	4.75
	3/16	6.87
	1/4	8.81
4 x	3 x 1/8	5.61
	3/16	8.15
	1/4	10.51
5 x	2 x 1/8	5.61
	3/16	8.15
	1/4	10.51
5 x	2 1/2 x 3/16	8.75
5 x	3 x 1/8	6.46
	3/16	9.42
	1/4	12.21
	3/8	17.27
6 x	2 x 1/8	6.46
	3/16	9.42
	1/4	12.21
6 x	3 x 1/8	7.31
	3/16	10.70
	1/4	13.91
	3/8	19.82
6 x	4 x 3/16	11.97
	1/4	15.62
	5/16	19.08
	3/8	22.37
	1/2	28.43
7 x	4 x 5/16	21.21
	3/8	24.93
7 x	5 x 1/4	19.02
	3/8	27.48
	1/2	35.24

RECTANGULAR HOLLOW STRUCTURAL TUBING CONTINUED

Sizes Inches		Weight Per Foot
8 x	2 x $\frac{3}{16}$	11.97
	$\frac{1}{4}$	15.62
8 x	3 x $\frac{3}{16}$	13.25
	$\frac{1}{4}$	17.32
8 x	4 x $\frac{3}{16}$	14.53
	$\frac{1}{4}$	19.02
	$\frac{5}{16}$	23.34
	$\frac{3}{8}$	27.48
	$\frac{1}{2}$	35.24
	6 x $\frac{3}{16}$	17.08
8 x	$\frac{1}{4}$	22.42
	$\frac{5}{16}$	27.59
	$\frac{3}{8}$	32.58
	$\frac{1}{2}$	42.05
10 x	2 x $\frac{1}{4}$	19.02
	$\frac{3}{8}$	27.48
10 x	3 x $\frac{1}{4}$	20.72
	$\frac{5}{16}$	25.47
10 x	4 x $\frac{3}{16}$	17.08
	$\frac{1}{4}$	22.42
	$\frac{5}{16}$	27.59
	$\frac{3}{8}$	32.58
	$\frac{1}{2}$	42.05
10 x	5 x $\frac{1}{4}$	24.12
	$\frac{5}{16}$	29.72
10 x	6 x $\frac{1}{4}$	25.82
	$\frac{3}{8}$	37.69
	$\frac{1}{2}$	48.85
10 x	8 x $\frac{1}{4}$	29.23
12 x	2 x $\frac{3}{16}$	17.08
	$\frac{1}{4}$	22.42
12 x	3 x $\frac{1}{4}$	24.12
12 x	4 x $\frac{3}{16}$	19.63
	$\frac{1}{4}$	25.82
	$\frac{3}{8}$	37.69
12 x	6 x $\frac{1}{4}$	29.23
	$\frac{3}{8}$	42.79
12 x	8 x $\frac{3}{8}$	47.90

PIPE

WEIGHTS AND DIMENSIONS OF SEAMLESS AND WELDED PIPE

A.S.A. Pipe Schedules

PIPE SIZE	O. D. in inches	5	10	20	30	40	STD	60	80	E. H.	100	120	140	160	Obi F. H.
1/8	405	035 1383	049 1863			068 2447	068 2447		095 3145	095 3145					
1/4	540	049 2570	065 3297			088 4248	088 4248		119 5351	119 5351					
3/8	675	049 3276	065 4235			091 5676	091 5676		126 7388	126 7388					
1/2	840	065 5383	083 6710			109 8510	109 8510		147 1088	147 1088				187 1304	294 1714
3/4	1050	065 6838	083 8572			113 1131	113 1131		154 1474	154 1474				218 1937	308 2441
1	1315	065 8678	109 1404			133 1679	133 1679		179 2172	179 2172				250 2844	358 3659
1 1/4	1660	065 1107	109 1806			140 2273	140 2273		191 2997	191 2997				250 3765	382 5214
1 1/2	1900	065 1274	109 2085			145 2718	145 2718		200 3631	200 3631				281 4859	400 6408
2	2375	065 1604	109 2638			154 3653	154 3653		218 5022	218 5022				343 7444	436 9029
2 1/2	2875	083 2475	120 3531			203 5793	203 5793		276 7661	276 7661				375 1001	552 1370
3	3500	083 3029	120 4332			216 7576	216 7576		300 1025	300 1025				437 1432	600 1858
3 1/2	4000	083 3472	120 4973			226 9109	226 9109		318 1251	318 1251					636 2285
4	4500	083 3915	120 5613			237 1079	237 1079		281 1266	281 1266		437 1901		531 2251	674 2754
4 1/2	5000						247 1253								710 3253
5	5563	109 6349	134 7770			258 1462	258 1462		375 2078	375 2078		500 2704		625 3296	750 3855
6	6625	109 7585	134 9289			280 1897	280 1897		432 2857	432 2857		562 3638		718 4530	864 5316

PIPE CONTINUED

PIPE SIZE	O D in Inches	5	10	20	30	40	S1D	60	80	F H	100	120	140	160	O D in Inches
7	7.625						.301 23.57			500 38.05					875 63.08
8	8.625	.108 9.914	.148 13.40	.250 22.36	.277 24.70	.322 28.55	.322 28.55	.406 35.64	.500 43.39	500 43.39	.593 50.87	.718 60.93	.812 67.76	.906 74.69	.875 72.42
9	9.625						.342 33.90			500 48.72					
10	10.750	.134 15.19	.165 18.70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.593 64.33	500 54.74	.718 76.93	.843 89.20	1.000 104.1	1.125 115.7	
11	11.750						.375 45.55			500 60.07					
12	12.750	.165 22.18	.180 24.20	.250 33.38	.330 43.77	.406 53.53	.375 49.56	.562 73.16	.687 86.51	500 65.42	.843 107.2	1.000 125.5	1.125 139.7	1.312 160.3	
14	14.000		.250 36.71	.312 45.68	.375 54.57	.437 63.37	.375 54.57	.593 84.91	.750 106.1	500 72.09	.937 130.7	1.093 150.7	1.250 170.2	1.406 189.1	
16	16.000		.250 42.05	.312 52.36	.375 62.58	.500 82.77	.375 62.58	.656 107.5	.843 136.5	500 82.77	1.031 164.8	1.216 192.3	1.437 223.5	1.593 245.1	
18	18.000		.250 47.39	.312 59.03	.437 82.06	.562 104.8	.375 70.59	.750 138.2	.937 170.8	500 93.45	1.156 208.0	1.375 244.1	1.562 274.2	1.781 308.5	
20	20.000		.250 52.73	.375 78.60	.500 104.1	.593 122.9	.375 78.60	.812 166.4	1.031 208.9	500 104.1	1.280 256.1	1.500 296.4	1.750 341.1	1.968 379.0	
24	24.000		.250 63.41	.375 94.62	.562 140.8	.687 171.2	.375 94.62	.968 238.1	1.218 286.4	500 125.5	1.531 367.4	1.812 429.4	2.062 483.1	2.343 541.9	

BAR GRATING — TYPE 19W4

Bearing Bar, Inches	Wt. Sq. Ft.	Bearing Bar Inches	Wt. Sq. Ft.
		Steel	
3/4 x 3/16	5.5	1 1/2 x 3/16	10.3
1 x 1/8	4.9	1 1/2 x 1/4	13.5
1 x 3/16	7.1	1 3/4 x 3/16	12.1
1 1/4 x 1/8	6.0	2 x 3/16	13.8
1 1/4 x 3/16	8.7	2 1/4 x 3/16	14.8
1 1/4 x 1/4	11.4	2 1/2 x 3/16	17.0
1 1/2 x 1/8	7.1		
	Aluminum		Unagrate
3/16 x 1	2.65	1" gray	1.65
3/16 x 1 1/4	3.25	1 1/2" gray	1.90

FIBERGLASS GRATING — FIBERGRATE MOLDED

Thickness	Mesh	Wt. Per Sq. Ft.
1"	1" x 4" rec.	2.5 lbs.
1"	1 1/2" sq.	2.5 lbs.
1 1/2"	1 1/2" sq.	3.73 lbs.
2"	2" sq.	4.0 lbs.

PULTRUDED

Panel Thickness	Load Bar Spacing	Wt. Per Sq. Ft.
1"	1"	3.41 lbs.
1"	1 1/2"	2.35 lbs.
1 1/2"	1"	4.13 lbs.
1 1/2"	1 1/2"	2.83 lbs.
2"	1 1/2"	4.0 lbs.
2"	2"	3.1 lbs.

BAR GRATING STAIR TREADS CHECKER PLATE NOSING

Bearing Bars	Width/Depth	Wt./Each
1 x 3/16	8 9/16 x 2'6"	17.98
1 x 3/16	9 3/4 x 2'6"	20.03
1 x 3/16	9 3/4 x 2'6"	Serr. 20.03
1 x 3/16	9 3/4 x 2'6"	Galv. 21.03
1 x 3/16	9 3/4 x 3'0"	23.65
1 x 3/16	9 3/4 x 3'0"	Serr. 23.65
1 x 3/16	10 15/16 x 2'6"	22.07
1 x 3/16	10 15/16 x 2'6"	Galv. 23.17
1 x 3/16	10 15/16 x 3'0"	26.05
1 1/4 x 3/16	9 3/4 x 2'6"	25.03
1 1/4 x 3/16	9 3/4 x 3'0"	29.56
1 1/4 x 3/16	10 15/16 x 2'6"	27.58
1 1/4 x 3/16	10 15/16 x 3'0"	32.56

REGULAR EXPANDED METAL (CARBON STEEL)

Style	Weight in lbs per c. s. i.		Standard Sizes In Feet		Size of Openings In Inches		Center to Center of Bond In Inches		Size of Strands In Inches		Percent Open Area	Overall Thickness In Inches
	Plain	Galv	Width	Length	Width	Length	Width	Length	Width	Thickness		
3/16" #24	50				166	437	200	50	050	024	63	086
3/16" #22	62				166	437	200	50	050	030	60	088
3/16" #20	75				166	437	200	50	050	036	57	090
1/4" #20	86	129	4	8	172	719	255	1.00	073	036	45	125
1/4" #18	114	171	4	8	172	719	255	1.00	073	040	43	125
1/2" #20	43	59	4	8	438	938	500	1.20	072	036	90	124
1/2" #18	70	85	4-6	8-10	438	938	500	1.20	088	045	77	155
1/2" #16	86	97	4-6	8-10	375	938	500	1.20	086	060	71	157
1/2" #13	147	173	4-6	8-10	313	938	500	1.20	096	092	58	182
3/4" #16	54	65	4-6	8-10	813	1750	923	2.00	099	060	85	186
3/4" #13	80	92	4-6	8-10	750	1688	923	2.00	096	092	78	195
3/4" #10	120	136	4-6	8-10	750	1625	923	2.00	144	092	77	282
3/4" #9	180	195	4-6	8-10-12	688	1563	923	2.00	148	134	66	300
1" #16	44	51	4	8	1000	2063	1090	2.40	096	060	86	182
1 1/2" #18	20	25	4	8	1313	2625	1330	3.00	067	048	93	140
1 1/2" #16	40	48	4	6-10-12	1250	2625	1330	3.00	107	060	89	211
1 1/2" #13	60	68	4-6	8-10-12	1188	2500	1330	3.00	104	092	86	215
1 1/2" #10	79	89	4-6	8-10	1188	2500	1330	3.00	137	092	85	289
1 1/2" #9	120	131	4-6	8-10-12	1125	2375	1330	3.00	142	134	75	295
1 1/2" #6	250	273	4-6	8-10-12	1000	2313	1330	3.00	201	198	63	425
2" #10	68	75			1625	3438	1850	4.00	164	092	86	312
2" #9	90	102			1563	3375	1850	4.00	149	134	86	325

FLATTENED EXPANDED METAL (CARBON STEEL)

Style	Weight in lbs per c. s. f.		Standard Sizes In Feet		Size of Openings In Inches		Center to Center of Bond In Inches		Size of Strands In Inches		Percent Open Area	Overall Thickness In Inches
	Plain	Galv	Width	Length	Width	Length	Width	Length	Width	Length		
3/16" #24	48				085	459	200	52	057	019	41	.019
3/16" #22	60				085	459	200	52	057	024	40	.024
3/16" #20	72				085	459	200	52	057	029	39	.029
1/4" #20	83	124	4	8	094	688	255	1.03	086	030	47	.030
1/4" #18	111	165	4	8	094	688	255	1.03	086	040	40	.040
1/2" #20	40	51	4	8	375	1,000	500	1.26	070	029	72	.029
1/2" #18	66	88	3-4-6	8-10	281	1,000	500	1.26	109	039	69	.039
1/2" #16	82	100	3-4-6	8-10	250	1,000	500	1.26	103	050	60	.050
1/2" #13	140	162	3-4-6	8-10	250	1,000	500	1.26	122	070	57	.070
3/4" #16	51	61	3-4-6	8-10	750	1,750	923	2.10	115	048	75	.048
3/4" #14	63	75	3-4-6	8-10	688	1,813	923	2.12	119	061	70	.061
3/4" #13	75	86	3-4-6	8-10	688	1,782	923	2.10	119	070	73	.070
3/4" #9	171	186	3-4-6	8-10-12	563	1,688	923	2.12	164	120	63	.120
1" #16	41	50	4	8	875	2,250	1,090	2.56	115	048	77	.048
1 1/2" #16	38	44	4	8	1,063	2,750	1,330	3.20	123	048	82	.048
1 1/2" #14	46	56	3-4-6	8	1,063	2,750	1,330	3.20	138	060	82	.060
1 1/2" #13	57	68	3-4-6	8	1,063	2,750	1,330	3.20	138	070	80	.070
1 1/2" #9	111	128	3-4-6	8-10-12	1,000	2,563	1,330	3.20	175	110	77	.110

EXPANDED METAL GRATING (CARBON STEEL)

Style	Weight in lbs per c s l		Standard Sizes In Feet		Size of Openings In Inches		Center to Center of Bond In Inches		Size of Strands In Inches	Percent Open Area	Overall Thickness In Inches	
	Plain	Galv	Width	Length	Width	Length	Width	Length				Width	Length	Width	Length
3 lb.	300	320	4-6	8-12	.938	3.438	1.333	5.33	.261	.183	.73	.500
3.14 lb.	314	334	4-6	8-10	1.625	4.875	2.000	6.00	.308	.250	.74	.562
4 lb.	400	430	4-5-6	8-10	.938	3.438	1.333	5.33	.297	.215	.65	.625
4.27 lb.	427	457	4-6	8-10	1.000	2.875	1.412	4.00	.297	.250	.58	.625
5 lb.	500	550	4-5-6	8-10	.813	3.375	1.333	5.33	.327	.250	.52	.625
6.25 lb.	625	685	4-6	8	.813	3.375	1.412	5.33	.347	.312	.55	.750
7 lb.	700	750	4-6	8	.813	3.375	1.412	5.33	.388	.312	.60	.750

Above conforms with Military Specifications MIL-N-17194C (Metals Expanded Steel) and MIL-G 18015 (ships) (grating) and the deflection requirements of Federal Specifications RR-G-661-B.

GRIP STRUT SAFETY GRATING

10' and 12' Lengths

Gauge	Width Inches	Channel Size Inches	Wt. Per Lineal Ft.
14	4 ³ / ₄	1 ¹ / ₂	2.30
14	7	1 ¹ / ₂	3.00
14	7	2	3.20
14	9 ¹ / ₂	1 ¹ / ₂	3.60
14	9 ¹ / ₂	2	3.80
14	11 ³ / ₄	1 ¹ / ₂	4.20
14	11 ³ / ₄	2	4.40
14	18 ³ / ₄	1 ¹ / ₂	6.10
14	18 ³ / ₄	2	6.30
14	24	2	7.40
12	4 ³ / ₄	1 ¹ / ₂	3.20
12	4 ³ / ₄	2	3.60
12	7	1 ¹ / ₂	4.10
12	7	2	4.50
12	9 ¹ / ₂	1 ¹ / ₂	5.00
12	9 ¹ / ₂	2	5.40
12	11 ³ / ₄	1 ¹ / ₂	5.90
12	11 ³ / ₄	2	6.20
12	11 ³ / ₄	2 ¹ / ₂	6.60
12	11 ³ / ₄	3	7.00
12	18 ³ / ₄	1 ¹ / ₂	8.50
12	18 ³ / ₄	2	8.90
12	18 ³ / ₄	2 ¹ / ₂	9.20
.080 Alum.	7	2	1.20
.080 Alum.	9 ¹ / ₂	2	1.40
.080 Alum.	11 ³ / ₄	2	1.60
.080 Alum.	18 ³ / ₄	2	2.20

GRIP STRUT TREADS

From Stock

Gauge	Width Inches	Channel Size Inches	Length Inches	Wt. Per Lineal Ft.
14	9½	1½	24	4.00
14	9½	1½	30	4.00
14	9½	2	36	4.13

GRIP STRUT WALKWAY GRATING

10' Lengths

Gauge	Width Inches	Channel Size Inches	Wt. Per Lineal Ft.
14	24	4½	8.90

OPEN GRIP GRATING

10' and 12' Lengths

Gauge	Width Inches	Channel Size Inches	Wt. Per Lineal Ft.
13	7	1½	3.25
13	10	1½	4.02
13	10	2	4.02
13	12	1½	4.40
13	12	2	4.40
13	18	1½	5.63
13	18	2	5.63

TREAD GRIP SHEET

Gauge	Width Inches	Length Inches	Wt. Per Sq. Ft.
13	36	120	3.61
11	36	120	4.81

STAINLESS STEEL SHEET

TYPE 304, 316ELC, 2B FINISH

Gauge	Wt. Sq. Ft.
10 (.135)	5.6728
11 (.120)	5.0388
12 (.105)	4.4090
14 (.075)	3.1493
16 (.0595)	2.4984
18 (.048)	2.0155
20 (.0355)	1.4906
22 (.029)	1.2600
24 Ga. (.025)	1.008

STAINLESS STEEL PLATE

TYPE 304ELC, 316ELC

Hot Rolled, Annealed and Pickled

Gauge	Wt. Sq. Ft.
$\frac{3}{16}$	8.579
$\frac{1}{4}$	11.162
$\frac{5}{16}$	13.746
$\frac{3}{8}$	16.496
$\frac{1}{2}$	21.663
$\frac{5}{8}$	26.831
$\frac{3}{4}$	32.123
1	42.665
1 $\frac{1}{4}$	52.992
1 $\frac{1}{2}$	63.312
2	84.008

STAINLESS STEEL FLAT BAR

TYPE 304, 316 ELC

Hot Rolled, Annealed and Pickled

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1/8 x 1/2	.213	1/4 x 2 1/2	2.325
1/8 x 3/4	.319	1/4 x 3	2.790
1/8 x 1	.425	1/4 x 3 1/2	3.255
1/8 x 1 1/2	.638	1/4 x 4	3.720
1/8 x 2	.850	3/8 x 1	1.374
1/8 x 3	1.275	3/8 x 1 1/2	2.061
3/16 x 1/2	.319	3/8 x 2	2.748
3/16 x 3/4	.478	3/8 x 3	4.122
3/16 x 1	.714	3/8 x 4	5.496
3/16 x 1 1/4	.893	3/8 x 6	8.244
3/16 x 1 1/2	1.071	1/2 x 1	1.805
3/16 x 1 3/4	1.250	1/2 x 1 1/4	2.256
3/16 x 2	1.428	1/2 x 1 1/2	2.707
3/16 x 2 1/2	1.785	1/2 x 2	3.610
3/16 x 3	2.142	1/2 x 3	5.414
1/4 x 1	.930	1/2 x 4	7.219
1/4 x 1 1/4	1.163	1/2 x 6	10.820
1/4 x 1 1/2	1.395	5/8 x 1	2.130
1/4 x 1 3/4	1.628	3/4 x 1	2.550
1/4 x 2	1.860	3/4 x 2	5.100

STAINLESS STEEL ANGLES

TYPE 304, 316ELC

Size	Weight Per Ft.	Size	Weight Per Ft.
3/4 x 3/4 x 1/8	.59	1 1/2 x 1 1/2 x 1/4	2.34
1 x 1 x 1/8	.80	2 x 2 x 3/16	2.44
1 x 1 x 3/16	1.16	2 x 2 1/4	3.19
1 x 1 x 1/4	1.49	2 1/2 x 2 1/2 x 1/4	4.10
1 1/4 x 1 1/4 x 3/16	1.48	3 x 3 x 1/4	4.90
1 1/4 x 1 1/4 x 1/4	1.92	3 x 3 x 3/8	7.20
1 1/2 x 1 1/2 x 1/8	1.23	4 x 4 x 1/4	6.60
1 1/2 x 1 1/2 x 3/16	1.80	4 x 4 x 3/8	9.80

STAINLESS STEEL ROUND BAR

TYPE 303, 304, 316, 316 G & P, and
416 TG & P PUMP SHAFT QUALITY

Size	Weight Per Ft.	Size	Weight Per Ft.
3/16	.094	1 1/16	7.600
1/4	.167	1 3/4	8.180
5/16	.261	1 7/8	9.390
3/8	.376	1 5/16	10.020
7/16	.511	2	10.680
1/2	.668	2 3/16	12.780
9/16	.845	2 1/4	13.520
5/8	1.040	2 7/16	15.870
3/4	1.500	2 1/2	16.690
7/8	2.040	2 5/8	18.400
1 3/16	1.760	2 3/4	20.190
1 5/16	2.350	2 15/16	23.040
1	2.670	3	24.030
1 1/16	3.010	3 1/4	28.210
1 1/8	3.380	3 1/2	32.710
1 3/16	3.770	4	42.730
1 5/16	4.600	4 1/2	54.080
1 1/4	4.170	5	66.760
1 3/8	5.050	6	96.130
1 7/16	5.520	7	130.900
1 1/2	6.010	8	170.900
1 5/8	7.050		

STAINLESS STEEL SQUARES

TYPE 316

Size	Weight Per Ft.	Size	Weight Per Ft.
3/16	.119	5/8	1.328
1/4	.213	3/4	1.913
5/16	.332	1	3.400
3/8	.478	1 1/2	7.650
1/2	.849	2	13.600

ALUMINUM FLAT SHEET

3003-H14

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.020	.2850	.080	1.1405
.025	.3564	.090	1.2830
.032	.4562	.100	1.4256
.040	.5700	.125	1.7820
.050	.7128	.190	2.7100
.063	.8981		

ALUMINUM FLAT SHEET

5052-H32

5052-H34

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3492	.080	1.1174
.032	.4470	.090	1.2571
.040	.5587	.100	1.3968
.050	.6984	.125	1.7460
.063	.8800	.190	2.6539

ALUMINUM FLAT SHEET

6061-T6

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3528	.080	1.1290
.032	.4516	.090	1.2700
.040	.5645	.100	1.4112
.050	.7056	.125	1.7640
.063	.8891	.190	2.6813

ALUMINUM FLAT SHEET

5086-H116

Thickness In Inches	Weight Per Sq. Ft.
.125	1.728
.188	2.600

ALUMINUM COILED SHEET

3003-H14

Thickness in Inches	Size in Inches	Weight Per Linear Foot
.020	36	.86
.025	36	1.07
	48	1.43
.032	36	1.37
	48	1.82
.040	36	1.71
	48	2.28
	60	2.85
.050	36	2.14
	48	2.85
.063	36	2.69
	48	3.59
	60	4.49
.080	36	3.42
	48	4.56
	60	5.70
.090	36	3.85
	48	5.13
	60	6.42
.100	36	4.28
	48	5.70
.125	36	5.35
	48	7.13
	60	8.91
.190	36	8.13

ALUMINUM COILED SHEET

5052-H32 & H34

Thickness in Inches	Size in Inches	Weight Per Linear Foot
.032	48	1.79
.040	36	1.68
	48	2.23
.050	48	2.79
.063	48	3.52
.080	48	4.47
.090	36	3.77
	48	5.03
	60	6.29
.100	48	5.59
.125	48	6.98
	60	8.73

ALUMINUM PLATE

3003-H14

Thickness in Inches	Weight Per Sq. Ft.
.250	3.564

ALUMINUM PLATE

5052-H32

Thickness in Inches	Weight Per Sq. Ft.
.250	3.492
.375	5.238

ALUMINUM PLATE

2024-T351

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.250	3.636	1.250	18.180
.375	5.454	1.500	21.816
.500	7.272	2.000	29.088
.750	10.908	2.500	36.360
1.000	14.544	3.000	43.632

ALUMINUM PLATE

6061-T651

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.250	3.528	1.500	21.168
.313	4.420	2.000	28.224
.375	5.292	2.500	35.280
.500	7.056	3.000	42.336
.625	8.820	4.000	56.448
.750	10.584	5.000	70.560
1.000	14.112	6.000	84.672
1.250	17.640		

ALUMINUM PLATE

5086-H116

Thickness In Inches	Weight Per Sq. Ft.
.250	3.456
.313	4.330
.375	5.184
.500	6.912

CAST ALUMINUM TOOLING PLATE

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
1/4"	3.660	3"	43.632
5/16"	4.550	3 1/2"	50.904
3/8"	5.480	4"	58.176
1/2"	7.290	5"	72.720
5/8"	9.100	6"	87.264
3/4"	10.908	7"	101.808
1"	14.544	8"	116.352
1 1/4"	18.180	9"	130.896
1 1/2"	21.816	10"	145.440
1 3/4"	25.452	12"	174.528
2"	29.088	14"	203.616
2 1/2"	36.36	15"	218.160

ALUMINUM TREAD PLATE

6061-T6

Thickness In Inches	Weight Per Sq. Ft.
.100	1.60
.125	1.90
.188	2.79
.250	3.67
.375	5.43
.500	7.20

ALUMINUM TREAD BRITE

3003-H12

.100	1.57
.125	1.92
.188	2.82

ALUMINUM ROUND BAR

6061-T651
6061-T6511

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
1/8	.014	1 7/8	3.24
3/16	.032	2	3.69
1/4	.058	2 1/8	4.17
5/16	.090	2 1/4	4.67
3/8	.130	2 1/2	5.77
7/16	.177	2 3/4	6.98
1/2	.231	3	8.30
9/16	.291	3 1/4	9.74
5/8	.360	3 1/2	11.30
3/4	.519	3 3/4"	12.98
7/8	.706	4"	14.76
1	.923	4 1/2"	18.68
1 1/8	1.170	5"	23.07
1 1/4	1.440	5 1/2"	28.00
1 3/8	1.740	6"	33.22
1 1/2	2.080	6 1/2"	38.98
1 5/8	2.440	7"	45.21
1 3/4	2.820	8"	59.04

ALUMINUM RECTANGULAR BAR

6061-T6
6061-T6511

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
1/8 x 3/4	.115	1/4 x 1/2	.147
x 1	.147	x 5/8	.187
x 1 1/2	.226	x 3/4	.221
x 2	.294	x 1	.294
3/16 x 3/4	.165	x 1 1/4	.367
x 1	.220	x 1 1/2	.441
x 1 1/2	.330	x 2	.599
x 2	.441	x 2 1/2	.750
		x 3	.900

ALUMINUM RECTANGULAR BAR CONTINUED

Size in Inches		Weight Per Ft.	Size in Inches		Weight Per Ft.
1/4 x	4	1.175	3/4 x	1 1/2	1.320
x	6	1.800	x	2	1.760
x	9	2.640	x	3	2.640
x	12	3.528	x	4	3.530
5/16 x	1	.367	x	6	5.290
3/8 x	1/2	.224	1 x	1 1/4	1.470
x	3/4	.330	x	1 1/2	1.760
x	1	.441	x	2	2.350
x	1 1/4	.551	x	2 1/2	2.940
x	1 1/2	.661	x	3	3.530
x	2	.881	x	4	4.700
x	3	1.320	x	6	7.050
x	4	1.760	1 1/4 x	2 1/2	3.670
x	6	2.640	x	3	4.400
1/2 x	3/4	.440	1 1/2 x	2	3.520
x	1	.587	x	2 1/2	4.410
x	1 1/2	.881	x	3	5.290
x	2	1.180	x	4	7.050
x	2 1/2	1.470	x	6	10.570
x	3	1.760	2 x	3	7.050
x	4	2.350	x	4	9.400
x	6	3.520	x	6	14.100
5/8 x	1 1/2	1.100	2 1/2 x	4	11.750
x	2	1.470	x	6	17.620
3/4 x	1	.881	3 x	4	14.100
x	1 1/4	1.100	x	6	21.150

ALUMINUM RECTANGULAR BAR

6063-T5
6063-T52

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
$\frac{1}{8}$ x $\frac{1}{2}$	.075	$\frac{3}{8}$ x 1	.450
x $\frac{5}{8}$	.094	x $1\frac{1}{4}$	.564
x $\frac{3}{4}$	.113	x $1\frac{1}{2}$	.675
x 1	.150	x $1\frac{3}{4}$	.771
x $1\frac{1}{4}$	.187	x 2	.900
x $1\frac{1}{2}$	.225	x 3	1.350
x 2	.300	x 4	1.760
x 3	.450	$\frac{1}{2}$ x $\frac{3}{4}$	.450
x 4	.600	x 1	.600
$\frac{3}{16}$ x $\frac{1}{2}$	.113	x $1\frac{1}{4}$	.750
x $\frac{3}{4}$	.169	x $1\frac{1}{2}$	.900
x 1	.226	x 2	1.200
x $1\frac{1}{4}$	.282	x $2\frac{1}{2}$	1.500
x $1\frac{1}{2}$	.338	x 3	1.800
x 2	.451	$\frac{3}{4}$ x $1\frac{1}{2}$	1.350
x $2\frac{1}{2}$	.564	x 2	1.800
$\frac{1}{4}$ x 2	.600	x $2\frac{1}{2}$	2.200
x $2\frac{1}{2}$	.750	x 3	2.640
x 3	.900	x 4	3.520
x 4	1.190	1 x $1\frac{1}{2}$	1.800
$\frac{3}{8}$ x $\frac{1}{2}$	.225	x 2	2.400
x $\frac{5}{8}$	.280	x 3	3.520
x $\frac{3}{4}$	.337		

ALUMINUM SQUARE BAR

2024-T351

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
$\frac{3}{8}$	.168	$1\frac{1}{2}$	2.69
$\frac{1}{2}$	.299	$1\frac{3}{4}$	3.66
$\frac{5}{8}$	.467	2	4.78
$\frac{3}{4}$	.672	$2\frac{1}{2}$	7.50
$\frac{7}{8}$	.916	3	10.80
1	1.190	$3\frac{1}{4}$	12.66
$1\frac{1}{8}$	1.510	$3\frac{1}{2}$	14.68
$1\frac{1}{4}$	1.870	4	19.18

ALUMINUM HEXAGON BAR

2024-T351

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
$\frac{5}{16}$	.101	$1\frac{1}{4}$	1.62
$\frac{3}{8}$	.146	$1\frac{1}{2}$	2.33
$\frac{1}{2}$	.259	$1\frac{3}{4}$	3.18
$\frac{5}{8}$	.405	$1\frac{7}{8}$	3.65
$1\frac{1}{16}$	.491	$2\frac{1}{4}$	5.25
$\frac{3}{4}$	.584	$2\frac{1}{2}$	6.48
1	1.040	$2\frac{3}{4}$	7.85
$1\frac{1}{8}$	1.310	$3\frac{3}{8}$	9.48

ALUMINUM EQUAL ANGLES

6061-T6 Structural

Size in Inches			Weight Per Ft.
3/4 x	3/4 x	1/8	.20
1 x	1 x	1/8	.28
	x	3/16	.40
	x	1/4	.51
1 1/4 x	1 1/4 x	1/8	.35
	x	3/16	.51
	x	1/4	.66
1 1/2 x	1 1/2 x	1/8	.43
	x	3/16	.62
	x	1/4	.81
1 3/4 x	1 3/4 x	1/8	.51
	x	3/16	.74
	x	1/4	.96
2 x	2 x	1/8	.59
	x	3/16	.85
	x	1/4	1.11
	x	3/8	1.61
2 1/2 x	2 1/2 x	3/16	1.07
	x	1/4	1.40
	x	5/16	1.73
3 x	3 x	3/16	1.28
	x	1/4	1.68
	x	5/16	2.08
	x	3/8	2.47
3 1/2 x	3 1/2 x	5/16	2.46
4 x	4 x	1/4	2.28
	x	5/16	2.83
	x	3/8	3.38
5 x	5 x	3/8	4.28
	x	1/2	5.58
6 x	6 x	3/8	5.12
	x	1/2	6.75
8 x	8 x	1/2	9.14

ALUMINUM UNEQUAL ANGLES

6061-T6 Structural

Size in Inches			Weight Per Ft.
1 1/2 x	1 1/4 x	1/8	.39
	x	3/16	.57
	x	1/4	.74
1 3/4 x	1 1/4 x	1/8	.42
	x	3/16	.62
	x	1/4	.81
2 x	1 1/2 x	1/8	.50
	x	3/16	.73
	x	1/4	1.02
2 1/2 x	2 x	3/16	.96
	x	1/4	1.26
	x	5/16	1.55
3 x	2 x	3/16	1.07
	x	1/4	1.40
	x	3/8	2.05
3 x	2 1/2 x	1/4	1.54
3 1/2 x	2 1/2 x	1/4	1.68
4 x	3 x	1/4	1.99
	x	3/8	2.93
5 x	3 x	3/8	3.35
	x	1/2	4.40
6 x	4 x	3/8	4.24
	x	1/2	5.58

ALUMINUM STRUCTURAL CHANNELS

6061-T6 American Standard

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
3 x .170	1.410	1.42
x .258	1.498	1.73
x .356	1.596	2.07
4 x .180	1.580	1.85

ALUMINUM-STRUCTURAL CHANNELS CONTINUED

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
4 x .247	1.647	2.16
x .320	1.720	2.50
5 x .190	1.750	2.32
x .325	1.885	3.11
x .472	2.032	3.97
6 x .200	1.920	2.83
x .225	1.945	3.00
x .314	2.034	3.63
x .437	2.157	4.48
7 x .230	2.110	3.54
8 x .250	2.290	4.25
x .303	2.343	4.75
x .487	2.527	6.48
10 x .240	2.600	5.28
10 x .526	2.886	8.64
12 x .300	2.960	7.41
12 x .510	3.170	10.38

ALUMINUM STRUCTURAL CHANNELS

6061-T6 Aluminum Association

Size in Inches Web (Depth x Thickness)	Weight Per Ft.
3 x .130	1.135
.170	1.597
4 x .150	1.738
.190	2.332
5 x .150	2.212
.190	3.089
6 x .170	2.834
.210	4.030
7 x .170	3.21
8 x .190	4.147
.250	5.789
10 x .250	6.136
.310	8.360

ALUMINUM H-BEAMS-WF

6061-T6

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
4 x .313	4.000	4.76
5 x .313	5.000	6.49
6 x .250	5.938	7.85
6 x .240	6.000	5.40
8 x .230	5.250	5.91
8 x .245	6.500	8.32
8 x .288	8.000	10.73

ALUMINUM I-BEAMS

6061-T6 American Standard

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
3 x .170	2.330	1.96
x .349	2.509	2.59
4 x .190	2.660	2.64
x .326	2.796	3.28
5 x .210	3.000	3.43
x .494	3.284	5.10
6 x .230	3.330	4.30
x .343	3.443	5.10
8 x .270	4.000	6.34

ALUMINUM I-BEAM

6061-T6 Aluminum Association

Size in Inches	Flange Width Inches	Weight Per Ft.
3 x .130	2.50	1.637
.150	2.50	2.030
4 x .150	3.00	2.310
.170	3.00	2.790
5 x .190	3.50	3.699
6 x .190	4.00	4.030
.210	4.00	4.693
8 x .230	5.00	6.181
.250	5.00	7.023

ALUMINUM ARCHITECTURAL ANGLES

6063-T52

Size in Inches					Weight Per Ft.
.375	x	750	x	.094	.116
.500	x	.500	x	.062	.070
.500	x	.500	x	.125	.131
.500	x	1.000	x	.094	.158
.500	x	1.000	x	.125	.206
.500	x	1.250	x	.125	.244
.625	x	.625	x	.125	.168
.750	x	.750	x	.062	.108
.750	x	.750	x	.125	.206
.750	x	1.000	x	.125	.244
.750	x	1.500	x	.125	.319
1.000	x	1.000	x	.062	.145
1.000	x	1.000	x	.125	.281
1.000	x	1.000	x	.188	.408
1.000	x	1.500	x	.125	.356
1.000	x	2.000	x	.125	.431
1.250	x	1.250	x	.125	.356

ALUMINUM ARCHITECTURAL ANGLES CONTINUED

Size in Inches					Weight Per Ft.
1.250	x	1.250	x	.188	.519
1.250	x	3.500	x	.125	.694
1.500	x	1.500	x	.125	.431
1.500	x	1.500	x	.188	.633
1.750	x	1.750	x	.125	.506
2.000	x	2.000	x	.125	.581
2.000	x	2.000	x	.188	.857
2.000	x	2.000	x	.250	1.124

ALUMINUM ARCHITECTURAL CHANNELS

6063-T52

A Inches	B Inches	C Inches	Weight Per Ft.
.500	.375	.125	.150
.500	.500	.094	.148
.500	.750	.125	.263
.625	.625	.125	.244
.750	.375	.125	.187
.750	.750	.125	.300
1.000	.500	.125	.263
1.000	1.000	.125	.413
1.250	.500	.125	.300
1.250	1.250	.125	.526
1.438	.500	.094	.251
1.500	.500	.125	.337
1.750	.500	.125	.374
1.750	.750	.125	.450
1.750	1.000	.125	.524
2.000	.500	.125	.413
2.000	1.000	.125	.564
2.250	.875	.125	.563
2.500	1.500	.125	.787
3.000	.500	.125	.563
3.000	1.000	.125	.713

ALUMINUM PIPE—Schedule 40

6061-T6
6063-T6

I.P.S. in Inches	Diameter Inches		Wall Thickness Inches	Weight Per Foot
	Outside	Inside		
1/8	.405	.269	.068	.085
1/4	.540	.364	.088	.147
3/8	.675	.493	.091	.196
1/2	.840	.622	.109	.294
3/4	1.050	.824	.113	.391
1	1.315	1.049	.133	.581
1 1/4	1.660	1.380	.140	.786
1 1/2	1.900	1.610	.145	.940
2	2.375	2.067	.154	1.260
2 1/2	2.875	2.469	.203	2.000
3	3.500	3.068	.216	2.620
3 1/2	4.000	3.548	.226	3.150
4	4.500	4.026	.237	3.730
5	5.563	5.047	.258	5.060
6	6.625	6.065	.280	6.560
8	8.625	7.981	.322	9.880
10	10.750	10.020	.365	14.000
12	12.750	12.000	.375	17.140

ALUMINUM PIPE—Schedule 80

6061-T6

I.P.S. in Inches	Diameter Inches		Wall Thickness Inches	Weight Per Foot
	Outside	Inside		
1	1.315	.957	.179	.75
1 1/4	1.660	1.278	.191	1.04
1 1/2	1.900	1.500	.200	1.25
2	2.375	1.939	.218	1.74
3	3.500	2.900	.300	3.54
3 1/2	4.000	3.364	.318	4.33
4	4.500	3.826	.337	5.18
5	5.563	4.813	.375	7.26
6	6.625	5.761	.432	9.98
8	8.625	7.625	.500	15.16

ALUMINUM EXTRUDED ROUND TUBING

6061-T6

O.D. Inches		Wall Thickness Inches	I.D. Inches	Weight Lb./Ft.
2	x	$\frac{3}{8}$	$1\frac{1}{4}$	2.25
$2\frac{1}{2}$	x	$\frac{3}{8}$	$1\frac{3}{4}$	2.94
3	x	$\frac{3}{8}$	$2\frac{1}{4}$	3.64
3	x	$\frac{1}{2}$	2	4.62
3	x	$\frac{3}{4}$	$1\frac{1}{2}$	6.23
$3\frac{1}{4}$	x	$\frac{3}{8}$	$2\frac{1}{2}$	3.98
$3\frac{1}{4}$	x	$\frac{1}{2}$	$2\frac{1}{4}$	5.08
$3\frac{1}{2}$	x	$\frac{1}{4}$	3	3.00
$3\frac{1}{2}$	x	$\frac{3}{8}$	$2\frac{3}{4}$	4.33
$3\frac{1}{2}$	x	$\frac{1}{2}$	$2\frac{1}{2}$	5.54
$3\frac{1}{2}$	x	$\frac{3}{4}$	2	7.62
4	x	$\frac{1}{4}$	$3\frac{1}{2}$	3.46
4	x	$\frac{3}{8}$	$3\frac{1}{4}$	5.02
4	x	$\frac{1}{2}$	3	6.47
4	x	$\frac{3}{4}$	$2\frac{1}{2}$	9.01
4	x	1	2	11.08
$4\frac{1}{2}$	x	$\frac{1}{2}$	$3\frac{1}{2}$	7.39
$4\frac{1}{2}$	x	$\frac{3}{4}$	3	10.39
$4\frac{1}{2}$	x	1	$2\frac{1}{2}$	12.93
5	x	$\frac{3}{16}$	$4\frac{5}{16}$	3.34
5	x	$\frac{1}{4}$	$4\frac{1}{2}$	4.39
5	x	$\frac{1}{2}$	4	8.31
5	x	$\frac{3}{4}$	$3\frac{1}{2}$	11.78
5	x	1	3	14.78
$5\frac{1}{2}$	x	$\frac{1}{2}$	$4\frac{1}{2}$	9.24
$5\frac{1}{2}$	x	$\frac{3}{4}$	4	13.16
6	x	$\frac{1}{4}$	$5\frac{1}{2}$	5.31
6	x	$\frac{3}{8}$	$5\frac{1}{4}$	7.79
6	x	$\frac{1}{2}$	5	10.16
6	x	$\frac{3}{4}$	$4\frac{1}{2}$	14.55

ALUMINUM EXTRUDED SQUARE TUBING

6063-T5 SHARP CORNERS

Size in Inches	Wall Thickness Inches	Weight Lb./Ft.	Size in Inches	Wall Thickness Inches	Weight Lb./Ft.
3/4 x 3/4	.125	.376	1 3/4 x 1 3/4	.125	.974
1 x 1	.125	.526	2 x 2	.125	1.126
1 1/4 x 1 1/4	.125	.674	3 x 3	.125	1.726
1 1/2 x 1 1/2	.125	.825	4 x 4	.125	2.326

ALUMINUM EXTRUDED SQUARE TUBING

6061-T6 SHARP CORNERS

Size in Inches	Weight Lb./Ft.	Size in Inches	Weight Lb./Ft.
2 x 2 x .188 Wall	1.636	3 x 3 x .250 Wall	3.298
2 x 2 x .250 Wall	2.100	4 x 4 x .188 Wall	3.372
3 x 3 x .188 Wall	2.538	4 x 4 x .250 Wall	4.500

ALUMINUM EXTRUDED RECTANGULAR TUBING

6063-T5 SHARP CORNERS

Size in Inches	Wall Thickness Inches	Weight Lb./Ft.	Size in Inches	Wall Thickness Inches	Weight Lb./Ft.
1/2 x 1	.125	.383	1 3/4 x 3	.125	1.339
3/4 x 1 1/2	.125	.604	x 3 1/2	.125	1.486
1 x 1 1/2	.125	.677	x 4	.125	1.633
x 2	.125	.824	x 4 1/2	.125	1.780
1 1/4 x 2 1/2	.125	1.045	x 5	.125	1.927
1 1/2 x 2	.125	.971	2 x 3	.125	1.412
			x 5	.125	2.000

FREE CUTTING BRASS

Alloy 360

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
ROUNDS			
$\frac{3}{16}$	.102	$1\frac{3}{8}$	5.47
$\frac{1}{4}$	.181	$1\frac{7}{16}$	5.98
$\frac{5}{16}$	.283	$1\frac{1}{2}$	6.51
$\frac{3}{8}$	.407	$1\frac{9}{16}$	7.06
$\frac{7}{16}$	.554	$1\frac{5}{8}$	7.64
$\frac{1}{2}$	.723	$1\frac{3}{4}$	8.86
$\frac{9}{16}$	.915	2	11.60
$\frac{5}{8}$	1.130	$2\frac{1}{4}$	14.60
$\frac{3}{4}$	1.630	$2\frac{1}{2}$	18.10
$\frac{7}{8}$	2.220	$2\frac{3}{4}$	21.90
1	2.890	3	26.00
$1\frac{1}{8}$	3.660	$3\frac{1}{2}$	35.40
$1\frac{3}{16}$	4.080	4	46.30
$1\frac{1}{4}$	4.520	5	72.30
SQUARES			
Size in inches			
$\frac{3}{8}$	.407	$1\frac{1}{4}$	5.76
$\frac{1}{2}$	.921	$1\frac{1}{2}$	8.29
$\frac{3}{4}$	2.070	2	14.70
1	3.680	$2\frac{1}{2}$	23.00
HEXAGON			
Size in inches			
$\frac{1}{2}$	.798	1	3.19
$\frac{3}{4}$	1.800	$1\frac{1}{8}$	4.04
		$1\frac{1}{2}$	7.18

FREE CUTTING BRASS CONTINUED

Size in Inches	Weight Per Foot	Size in Inches	Weight Per Foot
RECTANGULAR			
$\frac{1}{8} \times \frac{1}{2}$	.230	$\frac{1}{2} \times 1\frac{1}{2}$	2.76
1	.459	2	3.68
2	.918	$2\frac{1}{2}$	4.61
$\frac{3}{16} \times \frac{5}{8}$	.432	3	5.51
2	1.382	4	7.37
$\frac{1}{4} \times \frac{1}{2}$	.461	$\frac{5}{8} \times 1$	2.30
$\frac{3}{4}$	.691	$1\frac{1}{8}$	2.51
1	.921	$\frac{3}{4} \times 1$	2.76
$1\frac{1}{4}$	1.150	$1\frac{1}{2}$	4.14
$1\frac{1}{2}$	1.380	2	5.53
$1\frac{3}{4}$	1.610	$2\frac{1}{2}$	6.91
2	1.842	3	8.29
$2\frac{1}{2}$	2.300	4	11.05
3	2.750	$1 \times 1\frac{1}{2}$	5.53
4	3.680	2	7.37
5	4.610	3	11.05
$\frac{3}{8} \times \frac{3}{4}$	1.040	$1\frac{1}{4} \times 2$	9.21
1	1.380	$1\frac{1}{2} \times 2$	11.00
$1\frac{1}{2}$	2.070	3	16.58
2	2.760	4	22.10
$2\frac{1}{2}$	3.450	$2\frac{1}{2} \times 4$	36.84
3	4.15		
4	5.53		
5	6.91		
$\frac{1}{2} \times \frac{3}{4}$	1.38		
1	1.84		

CONTINUOUS CAST 660

BRONZE BUSHING STOCK

SOLID ROUND BARS					
Diameter	Wt. Per Inch	Wt. Per 105"	Diameter	Wt. Per Inch	Wt. Per 105"
1/2	.072	8	2	1.03	109
3/4	.154	16	2 1/2	1.61	170
7/8	.207	22	3	2.32	245
1	.269	28	3 1/2	3.15	332
1 1/4	.415	44	4	4.15	438
1 1/2	.590	62	5	6.45	680
1 3/4	.800	84	6	9.30	980

TUBULAR SIZES							
I.D.	O.D.		I.D.	O.D.			
1/2	x 1	.216	23	1 1/2	x 3	1.790	189
	1 1/4	.361	38		3 1/4	2.190	231
	1 1/2	.538	57		3 1/2	2.600	274
	2	.980	103		4	3.620	382
3/4	x 1 1/4	2.88	30	1 3/4	x 2 1/4	.576	60
	1 1/2	.464	49		2 1/2	.874	92
	1 3/4	.671	71		2 3/4	1.220	129
	2	.906	96		3	1.590	168
	2 1/2	1.480	156		3 1/4	1.990	210
					3 1/2	2.400	253
1	x 1 1/2	.360	38		4	3.420	361
	1 3/4	.567	60				
	2	.806	85	1 7/8	x 2 1/2	.764	81
	2 1/4	1.070	113		2 3/4	1.100	116
	2 1/2	1.370	146				
	2 3/4	1.710	182	2	x 2 1/2	.648	68
	3	2.080	221		2 3/4	.982	104
	4	3.920	413		3	1.360	143
					3 1/4	1.760	186
1 1/8	x 2	.740	79		3 1/2	2.180	230
	2 7/8	1.830	193		3 3/4	2.640	279
					4	3.190	337
1 1/4	x 1 3/4	.433	46		4 1/2	4.280	452
	2	.672	71				
	2 1/4	.939	99	2 1/4	x 2 3/4	.710	76
	2 1/2	1.240	131		3	1.090	115
	3	1.950	206		3 1/4	1.490	157
	3 1/2	2.760	291		3 1/2	1.910	202

CONTINUOUS CAST 660 CONTINUED

I.D.	O.D.	Wt. Per Inch	Wt. Per 105"	I.D.	O.D.	Wt. Per Inch	Wt. Per 105"
TUBULAR SIZES							
2 ¹ / ₄ × 3 ³ / ₄		2.380	250	3 ¹ / ₂ × 4		1.180	125
4		2.930	309	4 ¹ / ₂		2.250	237
2 ¹ / ₂ × 3		.810	85	4 ³ / ₄		2.840	300
3 ¹ / ₄		1.200	127	5		3.470	366
3 ¹ / ₂		1.630	172	5 ¹ / ₂		4.800	510
3 ³ / ₄		2.100	222	6		6.300	665
4		2.640	279	3 ³ / ₄ × 4 ³ / ₄		2.380	251
4 ¹ / ₂		3.720	392	4 × 5		2.500	265
5		4.950	522	5 ¹ / ₂		3.900	410
6		7.770	820	6		5.400	565
2 ³ / ₄ × 3 ¹ / ₂		1.190	126	4 ¹ / ₄ × 5 ¹ / ₂		3.500	365
3 ³ / ₄		1.760	186	6		5.000	525
4		2.310	244	4 ¹ / ₂ × 5 ¹ / ₂		2.900	310
4 ¹ / ₄		2.840	300	6		4.400	465
3 × 3 ¹ / ₂		1.000	106	4 ³ / ₄ × 6		3.900	405
3 ³ / ₄		1.410	149	5 × 6		3.200	345
4		1.960	207	6 ¹ / ₂		4.800	510
4 ¹ / ₄		2.500	264	6 × 7		4.000	420
4 ¹ / ₂		3.040	321	7 ¹ / ₂		5.700	600
4 ³ / ₄		3.630	383	7 × 9		9.000	945
5		4.250	448				
5 ¹ / ₂		5.600	595				
6		7.100	750				
3 ¹ / ₄ × 4		1.600	176				
4 ¹ / ₄		2.100	222				
4 ¹ / ₂		2.660	281				
5		3.880	409				

ALUMINUM BRONZE

UNS-C95400 (Continuous Cast)

ROUNDS

RANDOM LENGTH 6' TO 14'

Diameter	Weight Per Ft.	Tolerance Plus & Minus
$\frac{3}{4}$	1.43	.003
1	2.54	.003
1 $\frac{1}{4}$	3.97	.004
1 $\frac{1}{2}$	5.71	.004
1 $\frac{3}{4}$	7.77	.004
2	10.1	.004
2 $\frac{1}{4}$	12.8	.004
2 $\frac{1}{2}$	15.9	.004
2 $\frac{3}{4}$	19.2	.006
3	22.8	.006

ALUMINUM BRONZE

UNS-C95400

SQUARES AND RECTANGLES

RANDOM LENGTH 8' TO 12'

Size	Weight Per Ft.
$\frac{1}{4} \times 1$	1.05
1 $\frac{1}{4}$	1.31
1 $\frac{1}{2}$	1.56
2	2.06
3	3.07
4	4.35
$\frac{3}{8} \times 1$	1.49
1 $\frac{1}{2}$	2.20
2	2.91
2 $\frac{1}{2}$	3.62
3	4.33
4	6.02

ALUMINUM BRONZE CONTINUED

Size	Weight Per Ft.
$\frac{1}{2} \times 1$	1.92
1 $\frac{1}{2}$	2.84
2	3.75
2 $\frac{1}{2}$	4.67
3	5.59
4	7.69
6	11.5
$\frac{3}{4} \times 1 \frac{1}{2}$	4.12
2	5.44
3	8.11
4	11.0
1 \times 1	3.66
1 $\frac{1}{4}$	4.53
1 $\frac{1}{2}$	5.39
2	7.13
2 $\frac{1}{2}$	8.88
3	10.6
4	14.4
1 $\frac{1}{4} \times 2 \frac{1}{2}$	11.0

ALUMINUM BRONZE

UNS-C95400 TUBULAR BARS-LENGTH 12'

Size I.D. O.D.	Weight Per Ft.
1 \times 2	9.15
1 $\frac{1}{4} \times 1 \frac{3}{4}$	5.19
2	7.77
1 $\frac{1}{2} \times 2$	6.04
2 $\frac{1}{4}$	8.94
4	38.21
1 $\frac{3}{4} \times 2 \frac{1}{4}$	6.89
2 $\frac{1}{2}$	10.09

ALUMINUM BRONZE CONTINUED

Size I.D. O.D.	Weight Per Ft.
2 x 2 ¹ / ₂	7.74
2 ³ / ₄	11.08
3	15.75
3 ¹ / ₄	18.87
3 ¹ / ₂	23.77
4	33.77
2 ¹ / ₂ x 3	9.43
3 x 3 ¹ / ₂	10.57
3 x 3 ³ / ₄	16.04
4	21.04
3 ¹ / ₄ x 4	17.08
4 ¹ / ₄	22.64
3 ¹ / ₂ x 4 ¹ / ₂	24.15
4 x 4 ³ / ₄	19.00
5	27.08
5 x 6	34.19
6 x 7	40.37

ALUMINUM BRONZE

UNS-C63000

ROUNDS

RANDOM LENGTHS

Diameter	Weight Per Ft.
¹ / ₂	.635
1 ³ / ₈	4.830
1 ¹ / ₂	5.750
1 ⁵ / ₈	6.740
2	10.200
2 ¹ / ₂	16.000
3	23.000
3 ¹ / ₂	31.300
4	40.900
4 ¹ / ₂	51.700

FRACTIONS AND DECIMAL EQUIVALENTS

	$1/64$ — .015625		$33/64$ — .515625
	$1/32$ — .03125		$17/32$ — .53125
	$3/64$ — .046875		$35/64$ — .546875
	$1/16$ — .0625		$9/16$ — .5625
	$5/64$ — .078125		$37/64$ — .578125
	$3/32$ — .09375		$19/32$ — .59375
	$7/64$ — .109375		$39/64$ — .609375
$1/8$ —	.125	$5/8$ —	.625
	$9/64$ — .140625		$41/64$ — .640625
	$5/32$ — .15625		$21/32$ — .65625
	$11/64$ — .171875		$43/64$ — .671875
	$3/16$ — .1875		$11/16$ — .6875
	$13/64$ — .203125		$45/64$ — .703125
	$7/32$ — .21875		$23/32$ — .71875
	$15/64$ — .234375		$47/64$ — .734375
$1/4$ —	.25	$3/4$ —	.75
	$17/64$ — .265625		$49/64$ — .765625
	$9/32$ — .28125		$25/32$ — .78125
	$19/64$ — .296875		$51/64$ — .796875
	$5/16$ — .3125		$13/16$ — .8125
	$21/64$ — .328125		$53/64$ — .828125
	$11/32$ — .34375		$27/32$ — .84375
	$23/64$ — .359375		$55/64$ — .859375
$3/8$ —	.375	$7/8$ —	.875
	$25/64$ — .390625		$57/64$ — .890625
	$13/32$ — .40625		$29/32$ — .90625
	$27/64$ — .421875		$59/64$ — .921875
	$7/16$ — .4375		$15/16$ — .9375
	$29/64$ — .453125		$61/64$ — .953125
	$15/32$ — .46875		$31/32$ — .96875
	$31/64$ — .484375		$63/64$ — .984375
$1/2$	.5	1	1.

CONVERTING INCHES INTO DECIMALS OF A FOOT

In. ches	Decimal of a Ft	In. ches	Decimal of a Ft	In. ches	Decimal of a Ft
	$\frac{1}{16}$. 005208		$\frac{1}{16}$. 338542		$\frac{1}{16}$. 671875
	$\frac{1}{8}$. 010416		$\frac{1}{8}$. 343750		$\frac{1}{8}$. 677083
	$\frac{3}{16}$. 015625		$\frac{3}{16}$. 348958		$\frac{3}{16}$. 682292
	$\frac{1}{4}$. 020833		$\frac{1}{4}$. 354166		$\frac{1}{4}$. 687500
	$\frac{5}{16}$. 026042		$\frac{5}{16}$. 359375		$\frac{5}{16}$. 692708
	$\frac{3}{8}$. 031250		$\frac{3}{8}$. 364583		$\frac{3}{8}$. 697916
	$\frac{7}{16}$. 036458		$\frac{7}{16}$. 369792		$\frac{7}{16}$. 703125
0"	$\frac{1}{2}$. 041666	4"	$\frac{1}{2}$. 375000	8"	$\frac{1}{2}$. 708323
	$\frac{9}{16}$. 046875	33333	$\frac{9}{16}$. 380208	66666	$\frac{9}{16}$. 713542
	$\frac{5}{8}$. 052083		$\frac{5}{8}$. 385416		$\frac{5}{8}$. 718750
	$\frac{11}{16}$. 057292		$\frac{11}{16}$. 390625		$\frac{11}{16}$. 723958
	$\frac{3}{4}$. 062500		$\frac{3}{4}$. 395833		$\frac{3}{4}$. 729166
	$\frac{13}{16}$. 067708		$\frac{13}{16}$. 401042		$\frac{13}{16}$. 734375
	$\frac{7}{8}$. 072916		$\frac{7}{8}$. 406250		$\frac{7}{8}$. 739583
	$\frac{15}{16}$. 078125		$\frac{15}{16}$. 411458		$\frac{15}{16}$. 744792
	$\frac{1}{16}$. 088542		$\frac{1}{16}$. 421875		$\frac{1}{16}$. 755208
	$\frac{1}{8}$. 093750		$\frac{1}{8}$. 427083		$\frac{1}{8}$. 760416
	$\frac{3}{16}$. 098958		$\frac{3}{16}$. 432292		$\frac{3}{16}$. 765625
	$\frac{1}{4}$. 104166		$\frac{1}{4}$. 437500		$\frac{1}{4}$. 770833
	$\frac{5}{16}$. 109375		$\frac{5}{16}$. 442708		$\frac{5}{16}$. 776042
	$\frac{3}{8}$. 114583		$\frac{3}{8}$. 447916		$\frac{3}{8}$. 781250
	$\frac{7}{16}$. 119792		$\frac{7}{16}$. 453125		$\frac{7}{16}$. 786458
1"	$\frac{1}{2}$. 125000	5"	$\frac{1}{2}$. 458333	9"	$\frac{1}{2}$. 791666
083333	$\frac{9}{16}$. 130208	416666	$\frac{9}{16}$. 463542	750	$\frac{9}{16}$. 796875
	$\frac{5}{8}$. 135416		$\frac{5}{8}$. 468750		$\frac{5}{8}$. 802083
	$\frac{11}{16}$. 140625		$\frac{11}{16}$. 473958		$\frac{11}{16}$. 807292
	$\frac{3}{4}$. 145833		$\frac{3}{4}$. 479166		$\frac{3}{4}$. 812500
	$\frac{13}{16}$. 151042		$\frac{13}{16}$. 484375		$\frac{13}{16}$. 817708
	$\frac{7}{8}$. 156250		$\frac{7}{8}$. 489583		$\frac{7}{8}$. 822916
	$\frac{15}{16}$. 161458		$\frac{15}{16}$. 494792		$\frac{15}{16}$. 828125
	$\frac{1}{16}$. 171875		$\frac{1}{16}$. 505208		$\frac{1}{16}$. 838542
	$\frac{1}{8}$. 177083		$\frac{1}{8}$. 510416		$\frac{1}{8}$. 843750
	$\frac{3}{16}$. 182292		$\frac{3}{16}$. 515625		$\frac{3}{16}$. 848958
	$\frac{1}{4}$. 187500		$\frac{1}{4}$. 520833		$\frac{1}{4}$. 854166
	$\frac{5}{16}$. 192708		$\frac{5}{16}$. 526042		$\frac{5}{16}$. 859375
	$\frac{3}{8}$. 197906		$\frac{3}{8}$. 531250		$\frac{3}{8}$. 864583
	$\frac{7}{16}$. 203175		$\frac{7}{16}$. 536458		$\frac{7}{16}$. 869792
2"	$\frac{1}{2}$. 208333	6"	$\frac{1}{2}$. 541666	10"	$\frac{1}{2}$. 875000
166666	$\frac{9}{16}$. 213542	50	$\frac{9}{16}$. 546875	833333	$\frac{9}{16}$. 880208
	$\frac{5}{8}$. 218750		$\frac{5}{8}$. 552083		$\frac{5}{8}$. 885416
	$\frac{11}{16}$. 223958		$\frac{11}{16}$. 557292		$\frac{11}{16}$. 890625
	$\frac{3}{4}$. 229166		$\frac{3}{4}$. 562500		$\frac{3}{4}$. 895833
	$\frac{13}{16}$. 234375		$\frac{13}{16}$. 567708		$\frac{13}{16}$. 901042
	$\frac{7}{8}$. 239583		$\frac{7}{8}$. 572916		$\frac{7}{8}$. 906250
	$\frac{15}{16}$. 244792		$\frac{15}{16}$. 578125		$\frac{15}{16}$. 911458
	$\frac{1}{16}$. 255208		$\frac{1}{16}$. 588542		$\frac{1}{16}$. 921875
	$\frac{1}{8}$. 260416		$\frac{1}{8}$. 593750		$\frac{1}{8}$. 927083
	$\frac{3}{16}$. 265625		$\frac{3}{16}$. 598958		$\frac{3}{16}$. 932292
	$\frac{1}{4}$. 270833		$\frac{1}{4}$. 604166		$\frac{1}{4}$. 937500
	$\frac{5}{16}$. 276042		$\frac{5}{16}$. 609375		$\frac{5}{16}$. 942708
	$\frac{3}{8}$. 281250		$\frac{3}{8}$. 614583		$\frac{3}{8}$. 947916
	$\frac{7}{16}$. 286458		$\frac{7}{16}$. 619792		$\frac{7}{16}$. 953125
3"	$\frac{1}{2}$. 291666	7"	$\frac{1}{2}$. 625000	11"	$\frac{1}{2}$. 958333
250	$\frac{9}{16}$. 296875	583333	$\frac{9}{16}$. 630208	916666	$\frac{9}{16}$. 963542
	$\frac{5}{8}$. 302083		$\frac{5}{8}$. 635416		$\frac{5}{8}$. 968750
	$\frac{11}{16}$. 307292		$\frac{11}{16}$. 640625		$\frac{11}{16}$. 973958
	$\frac{3}{4}$. 312500		$\frac{3}{4}$. 645803		$\frac{3}{4}$. 979166
	$\frac{13}{16}$. 317708		$\frac{13}{16}$. 651042		$\frac{13}{16}$. 984375
	$\frac{7}{8}$. 322916		$\frac{7}{8}$. 656250		$\frac{7}{8}$. 989583
	$\frac{15}{16}$. 328125		$\frac{15}{16}$. 661458		$\frac{15}{16}$. 994792

STANDARD GAGES

When ordering, specify decimal as well as name of gauge

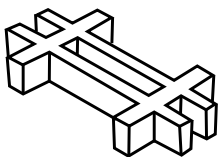
Gauge	American Or Brown & Sharpe	Birmingham Or Stubbs	U.S. Standard	Mfgs Standard	Steel Wire Or Washburn & Moen	Galvanized Sheet	Gauge
	Non- Ferrous Sheet- Wire & Rod	Tube Ferrous Strip Flat Wire Spring Steel	Stainless	Ferrous Sheet	Ferrous Wire (Except Music Wire)		
6-0	.5800		.469		.4615		6-0
5-0	.5165		.438		.4305		5-0
4-0	.4600	.454	.406		.3938		4-0
3-0	.4096	.425	.375		.3626		3-0
2-0	.3648	.380	.344		.3310		2-0
1-0	.3249	.340	.312		.3065		1-0
1	.2893	.300	.281		.2830		1
2	.2576	.284	.266		.2625		2
3	.2294	.259	.250	.2391	.2437		3
4	.2043	.238	.234	.2242	.2253		4
5	.1819	.220	.219	.2092	.2070		5
6	.1620	.203	.203	.1943	.1920		6
7	.1443	.180	.188	.1793	.1770		7
8	.1285	.165	.172	.1644	.1620	.1681	8
9	.1144	.148	.156	.1495	.1483	.1532	9
10	.1019	.134	.141	.1345	.1350	.1382	10
11	.0907	.120	.125	.1196	.1205	.1233	11
12	.0808	.109	.109	.1046	.1055	.1084	12
13	.0720	.095	.0938	.0897	.0915	.0934	13
14	.0641	.083	.0781	.0747	.0800	.0785	14
15	.0571	.072	.0703	.0673	.0720	.0710	15
16	.0508	.065	.0625	.0598	.0625	.0635	16
17	.0453	.058	.0562	.0538	.0540	.0575	17
18	.0403	.049	.0500	.0478	.0475	.0516	18
19	.0359	.042	.0438	.0418	.0410	.0456	19
20	.0320	.035	.0375	.0359	.0348	.0396	20
21	.0285	.032	.0375	.0359	.0348	.0396	21
22	.0253	.028	.0312	.0299	.0286	.0336	22
23	.0226	.025	.0281	.0269	.0258	.0306	23
24	.0201	.022	.0250	.0239	.0230	.0276	24
25	.0179	.020	.0219	.0209	.0204	.0247	25
26	.0159	.018	.0188	.0179	.0181	.0127	26
27	.0142	.016	.0172	.0164	.0173	.0202	27
28	.0126	.014	.0156	.0149	.0162	.0187	28
29	.0113	.013	.0141	.0135	.0150	.0172	29
30	.0100	.012	.0125	.0120	.0140	.0157	30
31	.0089	.010	.0109	.0105	.0132	.0142	31
32	.0080	.009	.0102	.0097	.0128	.0134	32
33	.0071	.008	.00938	.0090	.0118		33
34	.0063	.007	.00859	.0082	.0104		34
35	.0056	.005	.00781	.0075	.0095		35
36	.0050	.004	.00703	.0067	.0090		36
37	.0045		.00664	.0064	.0085		37
38	.0040		.00625	.0060	.0080		38

ALUMINUM-BRASS-STAINLESS
COPPER-ALLOY-CARBON

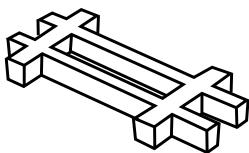
CHEMGRATE FLOOR GRATING

Size Designation

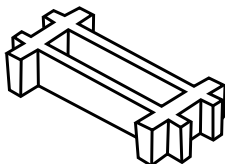
Height precedes grid pattern



**1" (1" x 4")
HEAVY DUTY**



5/8" (1" x 4")

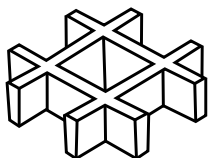


1 1/2" (1 1/2" x 6")

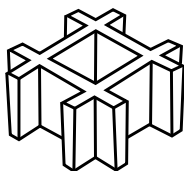
CHEMGRATE FLOOR GRATING

Size Designation

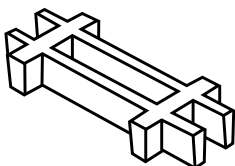
Height precedes grid pattern



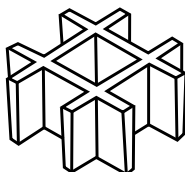
1" (2" x 2")



1 1/2" (1 1/2" x 1 1/2")



**1" (1" x 4")
STANDASRD**



2" (2" x 2")

EXPANDED METAL SPECIFICATIONS

SWD

Nominal dimension
short way of design

SWO

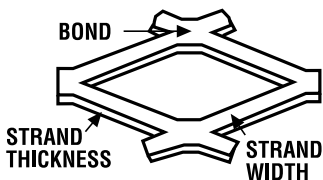
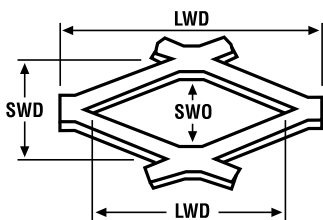
Short way of opening

LWD

Nominal dimension
long way of design

LWO

Long way of opening



*Specify Standard *or* Flat

*SWD Dimensions Always Given Before LWD

EXPANDED METAL SPECIFICATIONS

SWD

Nominal dimension
short way of design

SWO

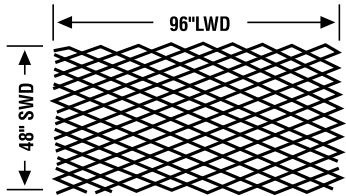
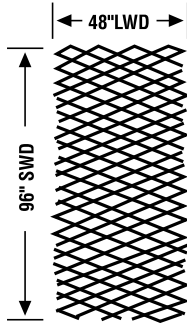
Short way of opening

LWD

Nominal dimension
long way of design

LWO

Long way of opening



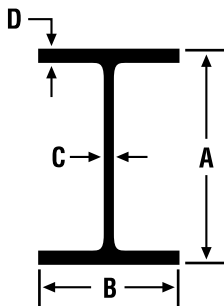
*Specify Standard *or* Flat

*SWD Dimensions Always Given Before LWD

STRUCTURAL SPECIFICATIONS

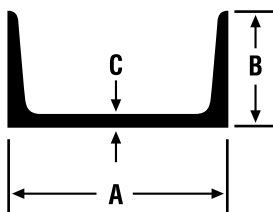
Beams

- A: Depth of Section
- B: Width of Flange
- C: Thickness of Web
- D: Flange Thickness



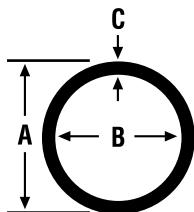
Channels

- A: Depth
- B: Width of Flange
- C: Thickness of Web



Pipe/Tube

- A: Outside Diameter (OD)
- B: Inside Diameter I.D.
- C: Wall Thickness



CONVERSION OF MILES TO KILOMETERS AND KILOMETERS TO MILES

Miles	Kilometers	Kilometers	Miles
1	1.6	1	0.6
2	3.2	2	1.2
3	4.8	3	1.8
4	6.4	4	2.4
5	8.0	5	3.1
6	9.6	6	3.7
7	11.2	7	4.3
8	12.8	8	4.9
9	14.4	9	5.5
10	16.0	10	6.2
20	32.1	20	12.4
30	48.2	30	18.6
40	64.3	40	24.8
50	80.4	50	31.0
60	96.5	60	37.2
70	112.6	70	43.4
80	128.7	80	49.7
90	144.8	90	55.9
100	160.9	100	62.1
1000	1609	1000	621

CONVERSION TABLES

LENGTH

Metric

1 kilometer	.6214 mile (approximately $\frac{2}{3}$'s of a mile)
1 meter	1.094 yards (approximately 39 + inches)
1 meter	3.281 feet
1 centimeter	.3937 inch
1 millimeter	.039 inch

Customary

1 mile	1.6093 kilometers (approximate $1\frac{2}{3}$'s kilometers)
1 yard	.9144 meter
1 foot	.3048 meter
1 inch	2.54 centimeters
1 inch	25.4 millimeters

AREA

Metric

1 sq kilometer	.386 sq mile
1 sq kilometer	247.10 acres
1 hectare	2.471 acres
1 sq meter	1.196 sq yards
1 sq meter	10.7646 sq feet
1 sq centimeter	155 sq inch

CONVERSION OF MILES TO KILOMETERS AND KILOMETERS TO MILES CONTINUED

Customary

1 sq. mile	2.59 sq. kilometers
1 acre	.405 hectare
1 sq. yard	.8361 sq. meter
1 sq. inch	6.45 sq. centimeters

VOLUME

Metric

1 cu. meter	1.308 cu. yards
1 liter	1.0567 liquid quarts (U.S.)
1 liter	.9081 dry quart (U.S.)
1 liter	.88 quart (Imperial)
1 milliliter	.06 cu. inch
(or 1 cu. centimeter)	

Customary

1 cu. yard	.7646 cu. meter
1 liquid quart (U.S.)	.9463 liter
1 dry quart (U.S.)	1.10 liters
1 quart (Imperial)	1.1365 liters
1 gallon (U.S.)	3.785 liters
1 gallon (Imperial)	4.546 liters
1 cu. inch	16.39 milliliters
	(or cu. centimeters)

WEIGHT

Metric

1 metric ton	2205 pounds
1 metric ton	1.1023 short tons
1 metric ton	.9842 long ton
1 kilogram	2.205 pounds (avoirdupois)
1 kilogram	2.679 pounds (Troy)
1 gram	.0353 ounce (avoirdupois)
1 gram	.0322 ounce (Troy)
1 diamond carat	200 milligrams
	(1000 milligrams = 1 gram)

Customary

1 short (American) ton	2000 pounds
1 long (British) ton	2240 pounds
1 short ton	.9072 metric ton
1 long ton	1.016 metric tons
1 pound (avoir.)	.4536 kilogram
1 pound (avoir.)	453.6 grams
1 pound (Troy)	.3732 kilogram
1 pound (Troy)	373.2 grams
1 ounce (avoir.)	28.35 grams
1 ounce (Troy)	31.103 grams

METRIC CONVERSION TABLE

MILLIMETERS TO DECIMALS OF AN INCH

MM	Inches	MM	Inches
1	0.03937	51	2.00787
2	0.07874	52	2.04721
3	0.11811	53	2.08661
4	0.15748	54	2.12598
5	0.19685	55	2.16535
6	0.23622	56	2.20472
7	0.27559	57	2.24400
8	0.31496	58	2.28346
9	0.35433	59	2.32283
10	0.39370	60	2.36220
11	0.43307	61	2.40157
12	0.47244	62	2.44094
13	0.51181	63	2.48031
14	0.55118	64	2.51968
15	0.59055	65	2.55905
16	0.62992	66	2.59842
17	0.66929	67	2.63779
18	0.70866	68	2.67716
19	0.74803	69	2.71653
20	0.78740	70	2.75590
21	0.82677	71	2.79527
22	0.86614	72	2.83464
23	0.90551	73	2.87401
24	0.94488	74	2.91338
25	0.98465	75	2.95275
26	1.02362	76	2.99212
27	1.06280	77	3.03449
28	1.10236	78	3.07086
29	1.14173	79	3.11023
30	1.18110	80	3.14960
31	1.22047	81	3.18897
32	1.25984	82	3.22834
33	1.29921	83	3.26771
34	1.33858	84	3.30708
35	1.37795	85	3.34645
36	1.41732	86	3.38582
37	1.45669	87	3.42519
38	1.49606	88	3.46456
39	1.53543	89	3.50393
40	1.57480	90	3.54330
41	1.61417	91	3.58267
42	1.65354	92	3.62204
43	1.69291	93	3.66141
44	1.73228	94	3.70078
45	1.77165	95	3.74015
46	1.81102	96	3.77952
47	1.85039	97	3.81889
48	1.88976	98	3.85826
49	1.92913	99	3.89763
50	1.96850	100	3.93700

METRIC CONVERSION TABLE

INCH (HUNDREDTHS) TO MILLIMETERS

Inch	Milli- meters	Inch	Milli- meters
.01	0.254	.51	12.954
.02	0.508	.52	13.208
.03	0.762	.53	13.462
.04	1.016	.54	13.716
.05	1.270	.55	13.970
.06	1.524	.56	14.224
.07	1.778	.57	14.478
.08	2.032	.58	14.732
.09	2.286	.59	14.986
.10	2.540	.60	15.240
.11	2.794	.61	15.494
.12	3.048	.62	15.748
.13	3.302	.63	16.002
.14	3.556	.64	16.256
.15	3.810	.65	16.510
.16	4.064	.66	16.764
.17	4.318	.67	17.018
.18	4.572	.68	17.272
.19	4.826	.69	17.526
.20	5.080	.70	17.780
.21	5.334	.71	18.034
.22	5.588	.72	18.288
.23	5.842	.73	18.542
.24	6.096	.74	18.796
.25	6.350	.75	19.050
.26	6.604	.76	19.304
.27	6.858	.77	19.558
.28	7.112	.78	19.812
.29	7.366	.79	20.066
.30	7.620	.80	20.320
.31	7.874	.81	20.574
.32	8.128	.82	20.828
.33	8.382	.83	21.082
.34	8.636	.84	21.336
.35	8.890	.85	21.590
.36	9.144	.86	21.844
.37	9.398	.87	22.098
.38	9.652	.88	22.352
.39	9.906	.89	22.606
.40	10.160	.90	22.860
.41	10.414	.91	23.114
.42	10.668	.92	23.368
.43	10.922	.93	23.622
.44	11.176	.94	23.876
.45	11.430	.95	24.130
.46	11.684	.96	24.384
.47	11.938	.97	24.638
.48	12.192	.98	24.892
.49	12.446	.99	25.146
.50	12.700	1.00	25.400

METRIC CONVERSION TABLE

POUNDS PER SQUARE INCH TO KILOGRAMS PER SQUARE MILLIMETER

Lbs. per sq. in.	Kilo- grams per sq. mm.	Lbs. per sq. in.	Kilo- grams per sq. mm.	Lbs. per sq. in.	Kilo- grams per sq. mm.
100	0.0703	29,000	20.3889	65,000	45.6993
200	0.1406	30,000	21.0920	66,000	46.4024
300	0.2109	31,000	21.7951	67,000	47.1055
400	0.2812	32,000	22.4981	68,000	47.8085
500	0.3515	33,000	23.2012	69,000	48.5116
600	0.4218	34,000	23.9043	70,000	49.2147
700	0.4921	35,000	24.6073	71,000	49.9177
800	0.5625	36,000	25.3104	72,000	50.6208
900	0.6328	37,000	26.0135	73,000	51.3239
1,000	0.7031	38,000	26.7165	74,000	52.0269
2,000	1.4061	39,000	27.4196	75,000	52.7300
3,000	2.1092	40,000	28.1227	76,000	53.4331
4,000	2.8123	41,000	28.8257	77,000	54.1361
5,000	3.5153	42,000	29.5288	78,000	54.8392
6,000	4.2184	43,000	30.2319	79,000	55.5423
7,000	4.9215	44,000	30.9349	80,000	56.2453
8,000	5.6246	45,000	31.6380	81,000	56.9484
9,000	6.3276	46,000	32.3411	82,000	57.6515
10,000	7.0307	47,000	33.0441	83,000	58.3545
11,000	7.7338	48,000	33.7472	84,000	59.0576
12,000	8.4368	49,000	34.4503	85,000	59.7607
13,000	9.1399	50,000	35.1533	86,000	60.4637
14,000	9.8429	51,000	35.8564	87,000	61.1668
15,000	10.5460	52,000	36.5595	88,000	61.8699
16,000	11.2491	53,000	37.2625	89,000	62.5729
17,000	11.9521	54,000	37.9656	90,000	63.2760
18,000	12.6552	55,000	38.6687	91,000	63.9791
19,000	13.3583	56,000	39.3717	92,000	64.6822
20,000	14.0613	57,000	40.0748	93,000	65.3852
21,000	14.7644	58,000	40.7779	94,000	66.0883
22,000	15.4675	59,000	41.4809	95,000	66.7914
23,000	16.1705	60,000	42.1840	96,000	67.4944
24,000	16.8736	61,000	42.8871	97,000	68.1975
25,000	17.5767	62,000	43.5901	98,000	68.9006
26,000	18.2797	63,000	44.2932	99,000	69.6036
27,000	18.9828	64,000	44.9963	100,000	70.3067
28,000	19.6859				

METRIC CONVERSION TABLE

KILOGRAMS PER SQUARE MILLIMETER TO POUNDS PER SQUARE INCH

Kilo-grams per sq. mm.	Lbs. per sq. in.	Kilo-grams per sq. mm.	Lbs. per sq. in.
1	1.422	51	72.539
2	2.845	52	73.962
3	4.267	53	75.384
4	5.689	54	76.806
5	7.112	55	78.229
6	8.534	56	79.651
7	9.956	57	81.073
8	11.379	58	82.496
9	12.801	59	83.918
10	14.223	60	85.340
11	15.646	61	86.763
12	17.068	62	88.185
13	18.490	63	89.607
14	19.913	64	91.030
15	21.335	65	92.452
16	22.757	66	93.874
17	24.180	67	95.297
18	25.602	68	96.719
19	27.024	69	98.141
20	28.447	70	99.564
21	29.869	71	100.986
22	31.291	72	102.408
23	32.714	73	103.831
24	34.136	74	105.253
25	35.558	75	106.675
26	36.981	76	108.098
27	38.403	77	109.520
28	39.826	78	110.943
29	41.248	79	112.365
30	42.670	80	113.787
31	44.093	81	115.210
32	45.515	82	116.632
33	46.937	83	118.054
34	48.360	84	119.477
35	49.782	85	120.899
36	51.204	86	122.321
37	52.627	87	123.744
38	54.049	88	125.166
39	55.471	89	126.588
40	56.894	90	128.011
41	58.316	91	129.433
42	59.738	92	130.855
43	61.161	93	132.278
44	62.583	94	133.700
45	64.005	95	135.122
46	65.428	96	136.545
47	66.850	97	137.969
48	68.272	98	139.389
49	69.695	99	140.812
50	71.117	100	142.234

METRIC CONVERSION TABLE

POUNDS TO KILOGRAMS

Pounds	Kilo-grams	Pounds	Kilo-grams
1	0.436	51	23.1332
2	0.9072	52	23.5868
3	1.3608	53	24.0404
4	1.8144	54	24.4940
5	2.2680	55	24.9876
6	2.7216	56	25.4012
7	3.1751	57	25.8549
8	3.6287	58	26.3084
9	4.0823	59	26.7620
10	4.5459	60	27.2156
11	4.9095	61	27.6691
12	5.4431	62	28.1227
13	5.8967	63	28.5763
14	6.3503	64	29.0299
15	6.8039	65	29.4835
16	7.2575	66	29.9371
17	7.7111	67	20.3907
18	8.1647	68	30.8413
19	8.1647	69	31.2979
20	9.0718	70	31.7515
21	9.5254	71	32.2051
22	9.9790	72	32.6587
23	10.4326	73	33.1122
24	10.8862	74	33.5658
25	11.3398	75	34.0194
26	11.7934	76	34.4730
27	12.2470	77	34.9266
28	12.7006	78	35.3802
29	13.1542	79	35.8338
30	13.6078	80	36.2874
31	14.0614	81	36.7410
32	14.5150	82	37.1946
33	14.9686	83	37.6482
34	15.4221	84	38.1018
35	15.8757	85	38.5554
36	16.3293	86	39.0089
37	16.7920	87	29.4625
38	17.2365	88	39.9161
39	17.6001	89	40.3697
40	18.1437	90	40.8233
41	18.5973	91	41.2769
42	19.0509	92	41.7305
43	19.5045	93	42.1841
44	19.9581	94	42.6377
45	20.1117	95	43.0913
46	20.8653	96	43.5449
47	21.3188	97	43.9985
48	21.7724	98	44.4521
49	22.2260	99	44.9057
50	22.6796	100	45.3592

METRIC CONVERSION TABLE

KILOGRAMS TO POUNDS

Kilo-grams	Pounds	Kilo-grams	Pounds
1	2.2046	51	112.436
2	4.4092	52	114.640
3	6.6139	53	116.845
4	8.8185	54	119.050
5	11.0231	55	121.254
6	13.2277	56	123.459
7	15.4324	57	125.663
8	17.6370	58	127.868
9	19.8416	59	130.073
10	22.0462	60	132.277
11	24.2508	61	134.482
12	26.4555	62	136.687
13	28.6601	63	138.891
14	30.8647	64	141.096
15	33.0693	65	143.300
16	35.2740	66	145.505
17	37.4786	67	147.710
18	39.6832	68	149.914
19	41.8878	69	152.119
20	44.0924	70	154.324
21	46.2971	71	156.528
22	48.5017	72	158.733
23	50.7063	73	160.937
24	52.9109	74	163.142
25	55.1156	75	165.347
26	57.3202	76	167.551
27	59.5248	77	169.756
28	61.7294	78	171.961
29	63.9340	79	174.165
30	66.1387	80	176.370
31	68.3433	81	178.574
32	70.5479	82	180.778
33	72.7525	83	182.984
34	74.9572	84	185.188
35	77.1618	85	187.393
36	79.3664	86	189.598
37	81.5710	87	191.802
38	83.7756	88	194.007
39	85.9803	89	196.211
40	88.1849	90	198.416
41	90.390	91	200.621
42	92.594	92	202.825
43	94.799	93	205.030
44	97.003	94	207.234
45	99.208	95	209.439
46	101.413	96	211.644
47	103.617	97	213.848
48	105.822	98	216.053
49	108.026	99	218.258
50	110.231	100	220.462

ALLOYS AND SPECIALTY METALS

- ★ **NICKEL:**
MONEL SERIES, INCONEL SERIES,
INCOLOY, 188
- ★ **TITANIUM:**
6AL4V
- ★ **COPPER/BRASS:**
360 FREE MACHINING
- ★ **STAINLESS:**
203, 303, 321, 410, 416, 420, 422,
NITRONIC 50, NITRONIC 60, 17-4,
15-5, 13-8
- ★ **ALLOY:**
4140, 4130, 4150, 4320, 4340, 4620,
4820, 3310, 9310, 52100, 8620, NIT 135
- ★ **ALUMINUM:**
MIC 6, 2011, 2024, 6061, 7075
- ★ **CARBON:**
1035, 1041, 1045, 11L17, 12L14, 1141,
STRESS PROOF, FATIGUE PROOF
- ★ **CAST IRON:**
CL40, 65-45-12, 80-55-06

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- ★ ***NO MINIMUM CHARGE!***
- ★ ***SAME DAY DELIVERY!***

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