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Serving Industry Since 1915

January 2008

ALUMINUM SHEET

3003-H14

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.020	.2850	.080	1.1385
.025	.3564	.090	1.2870
.032	.4564	.100	1.4256
.040	.5700	.125	1.7820
.050	.7128	.190	2.7126
.063	.8979		

ALUMINUM SHEET

5052-H32 5052-H34

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3492	.080	1.1155
.032	.4470	.090	1.2610
.040	.5587	.100	1.3968
.050	.6984	.125	1.7460
.063	.8798	.190	2.6578

ALUMINUM SHEET

6061-T6

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3528	.080	1.1270
.032	.4518	.090	1.2740
.040	.5645	.100	1.4112
.050	.7056	.125	1.7640
.063	.8889	.190	2.6852

ALUMINUM SHEET

5086-H116

Thickness In Inches	Weight Per Sq. Ft.
.125	1.728
.188	2.630

ALUMINUM PLATE

5052-H32

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

ALUMINUM TREAD PLATE

3003 Bright

Dec. Thick. And Size in Inches	Approx. Wt. Per Sq. Ft. in Lbs.
.080 x 48	1.250
.100 x 48	1.570
.125 x 48	1.920
.188 x 48	2.850

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	4.400	1.750	24.200
.375	5.292	2.000	28.224
.500	7.056	2.500	35.280
.625	8.820	3.000	42.336
.750	10.584	4.000	56.448
1.000	14.112	5.000	70.560
1.250	17.640	6.000	84.672

ALUMINUM TREAD PLATE

6061-T6 ASTM B632

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

ALUMINUM RECTANGULAR BAR

6061-T6 6061-T6511

Thickness In Inches	Weight Per Ft.	Thickness In Inches	Weight Per Ft.
$\frac{1}{8}$ x $\frac{3}{4}$	.115	$\frac{3}{8}$ x 4	1.760
x 1	.147	x 6	2.640
x 1 $\frac{1}{2}$	.226	$\frac{1}{2}$ x $\frac{3}{4}$	.440
x 2	.294	x 1	.587
$\frac{3}{16}$ x $\frac{3}{4}$	.165	x 1 $\frac{1}{2}$	.811
x 1	.220	x 2	1.180
x 1 $\frac{1}{2}$	.330	x 2 $\frac{1}{2}$	1.470
x 2	.441	x 3	1.760
$\frac{1}{4}$ x $\frac{1}{2}$	.147	x 4	2.350
x $\frac{3}{8}$	.187	x 6	3.520
x $\frac{3}{4}$	.221	$\frac{5}{8}$ x 1 $\frac{1}{2}$	1.100
x 1	.294	x 2	1.470
x 1 $\frac{1}{4}$	.367	$\frac{3}{4}$ x 1	.881
x 1 $\frac{1}{2}$	.441	x 1 $\frac{1}{4}$	1.100
x 2	.587	x 1 $\frac{1}{2}$	1.320
x 2 $\frac{1}{2}$	.750	x 2	1.760
x 4	1.175	x 3	2.640
$\frac{5}{16}$ x 1	.367	x 4	3.530
$\frac{3}{8}$ x $\frac{1}{2}$	.224	x 6	5.290
x $\frac{3}{4}$	.330	1 x 1 $\frac{1}{4}$	1.47
x 1	.441	x 1 $\frac{1}{2}$	1.76
x 1 $\frac{1}{4}$	.551	x 2	2.35
x 1 $\frac{1}{2}$	.661	x 2 $\frac{1}{2}$	3.00
x 2	.881	x 3	3.53
x 3	1.320	x 4	4.70
		x 6	7.05

ALUMINUM RECTANGULAR BAR (continued)

6061-T6 6061-T6511

Thickness In Inches	Weight Per Ft.	Thickness In Inches	Weight Per Ft.
1¼ x 2½	3.67	2 x 3	7.05
x 3	4.40	x 4	9.40
1½ x 2	3.52	x 6	14.10
x 2½	4.41	2½x 4	11.75
x 3	5.29	x 6	17.62
x 4	7.05	3 x 4	14.10
x 6	10.57	x 6	21.15

ALUMINUM RECTANGULAR BAR

6063-T5 6063-T52

Thickness In Inches	Weight Per Ft.	Thickness In Inches	Weight Per Ft.
¼ x ¼	.075	¾x 1	.450
x ¾	.094	x 1¼	.564
x ¾	.113	x 1½	.675
x 1	.150	x 1¾	.771
x 1¼	.187	x 2	.900
x 1½	.225	x 3	1.350
x 2	.300	x 4	1.760
x 3	.550	½x ¾	.450
x 4	.600	x 1	.600
¾x ½	.113	x 1¼	.750
x ¾	.169	x 1½	.900
x 1	.226	x 2	1.200
x 1¼	.282	x 2½	1.500
x 1½	.338	x 3	1.800
x 2	.451	¾x 1½	1.350
x 2½	.564	x 2	1.800
½ x 2	.600	x 2½	2.200
x 2½	.750	x 3	2.640
x 3	.900	x 4	3.520
x 4	1.190	1 x 1½	1.800
¾ x ½	.225	x 2	2.400
x ¾	.280	x 3	3.520
x ¾	.337		

ALUMINUM ROUND BAR

6061-T651 6061-T6511

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

ALUMINUM EQUAL ANGLES

6061-T6 Structural American Standard

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
3/8x 3/8x 1/8	.20	1 1/2x 1 1/2x 1/4	.81
1 x 1 x 1/8	.28	1 3/4x 1 3/4x 1/8	.51
x 3/16	.40	x 3/16	.74
x 1/4	.51	x 1/4	.96
1 1/4x 1 1/4x 1/8	.35	2 x 2 x 1/8	.57
x 3/16	.51	x 3/16	.85
x 1/4	.66	x 1/4	1.11
1 1/2x 1 1/2x 1/8	.43	x 3/8	1.59
x 3/16	.62	2 1/2x 2 1/2x 3/16	1.07

ALUMINUM EQUAL ANGLES (continued)

6061-T6 Structural American Standard

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
2½x 2½x ¼	1.40	5 x 5 x ⅝	4.28
x ⅝	1.73	x ½	5.56
3 x 3 x ⅝	1.28	6 x 6 x ⅝	5.12
x ¼	1.68	x ½	6.75
x ⅝	2.08	8 x 8 x ½	9.14
x ¾	2.47		
3½x 3½x ⅝	2.46		
4 x 4 x ¼	2.28		
x ⅝	2.83		
x ¾	3.38		

ALUMINUM UNEQUAL ANGLES

6061-T6 Structural American Standard

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1½x 1½x ¼	.38	3 x 2 x ⅝	1.07
x ⅝	.57	x ¼	1.40
x ¼	.74	x ⅝	2.05
1½x 1½x ⅝	.42	3 x 2½x ¼	1.54
x ⅝	.62	3½x 2½x ¼	1.68
x ¼	.81	4 x 3 x ¼	1.99
2 x 1½x ⅝	.50	x ⅝	2.93
x ⅝	.73	5 x 3 x ⅝	3.35
x ¼	.96	x ½	4.40
2½x 2 x ⅝	.96	6 x 4 x ⅝	4.24
x ¼	1.26	x ½	5.58
x ⅝	1.55		

ALUMINUM ARCHITECTURAL ANGLES

6063-T52 Sharp Corner

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
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

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
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
12 x .300	2.960	7.41

ALUMINUM STRUCTURAL CHANNELS

6061-T6 Aluminum Association

Size in Inches Web (Depth x Thickness)	Weight Per Ft.	Size in Inches Web (Depth x Thickness)	Weight Per Ft.
3 x .130	1.135	6 x .170	2.834
.170	1.597	.210	4.030
4 x .150	1.728	8 x .190	4.147
.190	2.332	.250	5.789
5 x .150	2.212	10 x .250	6.136
.190	3.089	.310	8.360

ALUMINUM ARCHITECTURAL CHANNELS

6063-T52 Sharp Corner

WEB Inches	FLANGE Inches	THICKNESS 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 H-BEAMS-WF

6061-T6 American Standard

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
.770	3.00	2.675
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 PIPE — SCHEDULE 40

6061-T6 6063-T6

I.P.S. in Inches	Diameter Inches		Wall Thickness Inches	Weight per Foot
	Outside	Inside		
¼	.405	.269	.068	.085
½	.540	.364	.088	.147
¾	.675	.493	.091	.196
1	.840	.622	.109	.294
1¼	1.050	.824	.113	.391
1½	1.315	1.049	.133	.581
1¾	1.660	1.380	.140	.786
2	1.900	1.610	.145	.940
2½	2.375	2.067	.154	1.260
3	2.875	2.469	.203	2.000
3½	3.500	3.068	.216	2.620
4	4.000	3.548	.226	3.150
5	4.500	4.026	.237	3.730
6	5.563	5.047	.258	5.060
8	6.625	6.065	.280	6.560
10	8.625	7.981	.322	9.880
12	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
1¼	1.660	1.378	.191	1.04
1½	1.900	1.500	.200	1.25
2	2.375	1.939	.218	1.74
3	3.500	2.900	.300	3.54
3½	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

**CHATHAM STEEL
A COMPLETE CARBON & STAINLESS
STEEL SERVICE CENTER**

STRUCTURAL AND BAR SHAPES

PLATES - Carbon, Alloy, Stainless, Aluminum

BARS - Hot Rolled, Cold Finished, Stainless, Aluminum

SHEETS - Black, Galvanized, Stainless, Aluminum

PIPE AND TUBING - Carbon, Alloy, Stainless, Aluminum

EXPANDED METAL AND BAR GRATING - Carbon and Stainless

FIBERGLASS GRATING

WIRE MESH AND WIRE ROPE

PROCESSING

SAWING - Square & Mitre

SHEARING - Braking, Forming

CUTTING - Flame, Plasma, Laser

PUNCHING, DRILLING & MACHINING

TEE SPLITTING & STRAIGHTENING

Serving Industry since 1915