## ALUMINUM SHEET/PLATES GUIDE TO SELECTION

1100 (UNS A91100) is commercially pure aluminum (99.00% minimum). Excellent corrosion resistance, workability and weldability; high thermal conductivity. Tensile strength range 14,000 to 24,000 psi. Users include deep drawing, spinning, sheet metal work, decorative and architectural applications, air ducts, name plates, fan blades, etc. Conforms to Federal specification QQ-A-250/1 and ASTM B-209.

**3003** (UNS A93003) is alloyed with 1.2% manganese to provide a tensile strength range of 17,000 to 30,000 psi. Excellent workability, weldability and corrosion resistance. Used for drawing, spinning, fuel tanks, sheet metal work and other applications where slightly higher strength than 1100 is required. Conforms to Federal specification QQ-A-250/2 and ASTM B-209.

**5052** (UNS A95052) is alloyed with 2.5% magnesium. Tensile strength range 31,000 to 44,000 psi. Very good corrosion resistance, good workability, weldability and strength. Used for aircraft fuel tanks, storm shutters, refrigerator liners, utensils, electronic mounting plates and panels, fan blades, etc. Conforms to Federal specification QQ-A-250/8 and ASTM B-209.

**6061** (UNS A96061) is alloyed with 1.0% magnesium and .6% silicon. Tensile strength range 20,000 to 42,000 psi. Good formability, weldability and corrosion resistance. Used for engineering and structural applications, boats, furniture, transportation equipment, etc. Conforms to Federal specification QQ-A-250/11 and ASTM B-209

**2024** (UNS A92024), is alloyed with 4.5% copper. Tensile strength range 30,000 to 63,000 psi. Fair weldability and corrosion resistance. Forming operations are limited. Used for high strength structural and aircraft applications. 2024 conforms to Federal specification QQ-A-250/4 and ASTM B-209.

Cast Plate (Aluminum Cast Machined Plate) is a general purpose cast tool and jig plate featuring many unique characteristics. It is a high-quality, accurately machined product that has received a thermal stress-relieving treatment to provide dimensional stability during machining.

**7075** (UNS A97075) is heavily alloyed with zinc with lesser amounts of magnesium, copper and chromium. One of the strongest of the aluminum alloys, its use parallels that of 2024 with 7075 selected when higher mechanical properties are desired. Forming operations are limited. All 7075 flat products conform to ASTM B-209; 7075 Bare conforms to Federal specification QQ-A-250/12.

#### ALUMINUM SHEETS <



			3003-H14	6061-Т6	2024-T3	5052-H3
Size	in Inches	Lbs./Sq. Ft.	14	<b>6</b>	51	22
.025	48 x 120	.36	Χ			
.032	48 x 96	.44	X			V
	48 x 120 48 x 144		X	Χ	Х	X
.040	48 x 96	.58	Χ			
	48 x 120 48 x 144		Х		Х	Х
.050	48 x 96	.71	Х			
	48 x 120 48 x 144		X	Х	Х	X X
000		0.4		^	^	
.063	48 x 96 48 x 120	.91	X			X
	48 x 144		Х	Х	Х	Х
.080	48 x 96 48 x 120	1.13	X			Х
	48 x 144		X	Χ		
.090	48 x 96	1.28	X			X
	48 x 120 48 x 144		X	Χ		X
.100	48 x 144	1.42	Х			Х
.125	48 x 96	1.77	Х			
	48 x 120 48 x 144		X	Χ	Х	Х
	60 x 144			Х		
.190	48 x 144	2.66	Χ	Χ	Χ	Х

Looking for a specific material, grade, or size that's not listed in our Material Selection Guide?

Call and inquire!

#### **ALUMINUM PLATES**

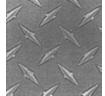
We cut to your Cast Plate exact needs Size in Inches Lbs./Sq. Ft. X 1/4 48 x 96 3.60 48 x 144\* Χ Х Χ Х 60 x 144 Χ 5/16 48 x 144 4.49 Χ Х 3/8 5.40 Χ 48 x 96 48 x 144\*\* Х Х Χ 60 x 144 Х Χ 1/2 48 x 96 7.20 Χ 48 x 144 X Х X 60 x 144 Χ Χ 5/8 48 x 144 9.00 Х X X 60 x 144 Χ 3/4 48 x 144 10.80 Χ Χ Х 60 x 144 Χ 7/8 48 x 144 12.60 1 48 x 144 14.40 Х Χ Х 60 x 144 X Χ 11/4 48 x 144 18.90 Х Χ 60 x 144 Χ Χ 11/2 48 x 144 22.50 X 60 x 144 13/4 48 x 144 24.70 Χ Χ X 2 48 x 144 29.70 Х X 60 x 144 48 x 144 Χ 21/2 36.00 60 x 144 Х 48 x 144 Χ Χ 3 43.20 4 48 x 144 57.60 Х X 4½ 48 x 48 64.44

<sup>\*</sup>Also available in 3003-H14.

<sup>\*\*</sup>Also available in 5052-H32

#### ALUMINUM TREAD PLATE

6061-T651 and 3003-H22 Brite



Siz	e in Inches	Lbs./Sq. Ft.	Туре	1
1/8	48 x 192 Brit	e 1.95	3003-H22	
	48 x 192	1.95	6061-T6	
	60 x 192 Brit	e	3003-H22	
3/16	48 x 192	2.80	6061-T6	
	48 x 192 Brit	e 1.95	3003-H22	
	60 x 192 Brit	е	3003-H22	
1/4	48 x 192	3.70	6061-T6	
	60 x 192		6061-T6	

## ALUMINUM BAR GUIDE TO SELECTION

All bars are ordered to rigid specs for highest quality. When available, bars are ordered cold finished for improved machinability and stretch stress-relieved to provide optimum stability during machining or cutting operations.

**2011** (UNS A92011) *screw machine stock* is the best machining aluminum bar stock. Fine chips mean faster feeds and longer tool life. Machines to an excellent finish, has good strength, average formability. QQ-A-225/3 and ASTM-B-211.

**2024** (UNS A92024) *screw machine stock* is slightly more difficult to machine than 2011 or 2017, but has enough strength for aircraft fittings, bolts, and fastening devices. Conforms to QQ-A-225/6 and ASTM B-211.

**6061** (UNS A96061) is one of the most versatile screw machine alloys with good strength, workability, corrosion resistance and ease of joining. Less machinable than 2000 series. Cold finished rounds and hexes conform to QQ-A-225/8 and ASTM B-211. Extruded rounds, squares and rectangles to QQ-A-200/8 and ASTM B-221. Most extruded round items are specially ordered to restricted diameter tolerances for ready use in screw machines.

**7075** (UNS A97075) provides the greatest strength available in aluminum bar. Widely used in aircraft applications where light weight plus strength are required. Conforms to QQ-A-225/9 and ASTM B-211.

**6063** extruded (UNS96063) for architectural and ornamental applications. Highly corrosion resistant, with good formability, it is one of the most joinable alloys. Finish is pleasing and is the most suitable for anodizing. Conforms to QQ-A-200/9 and ASTM B-221.

#### **BAR COMPARISON GUIDE**

in mai		Typical S	Corrosion	
Alloy	in psi Machinability	Ultimate	Yield	Resistance
2011-T3	A++	55,000	43,000	С
6262-T9	A+	58,000	55,000	Α
2017-T4,T451	Α	62,000	40,000	С
2024-T4,T351	Α	68,000	47,000	С
6061-T6,T651	В	45,000	40,000	Α
7075-T6,T651	Α	83,000	73,000	С
5086-H111	С	36,000	21,000	Α
6063-T6	B-	35,000	31,000	Α
6063-T5	С	27,000	21,000	Α

#### **ALUMINUM ROUNDS**

12 Ft. Lengths	2	20	60	
		2011-T3	2024-T351	6061-T651
Size in Inches	Lbs./Ft.	3	51	51
1/8	.01		Χ	Χ
3/16	.03		Х	Х
1/4	.06		Χ	Х
5/16	.09	Х		Х
3/8	.13	Χ	Χ	X
7/16	.18	Х		Х
1/2	.23	Х	Х	X
5⁄8	.36		Χ	Χ
3/4	.52		Х	Х
7/8	.71	Χ	Χ	Х
1	.92	Х	Х	Х
11/8	1.16		Χ	Х
11/4	1.44		Х	Х
1%	1.74		Х	Х
11/2	2.07	Х	Х	Х
1%	2.43	Х		Х
13/4	2.82	Х	Х	Χ
17/8	3.24		Х	Х
2	3.69	Х	Х	Х
21/4	4.67	Х	Х	Х
23/8	5.20			Х
21/2	5.76	Х	Х	Х
23/4	6.97		Х	Х
3	8.30		Х	Х

#### **ALUMINUM ROUNDS**

12 Ft. Lengths (Continued)		2024-T351	6061-T651
Size in Inches	Lbs./Ft.	51	51
31/4	9.74		Х
3½	11.30	Х	Х
33⁄4	12.97		Х
4	14.76	Х	Х
41/2	18.68		Χ
5	23.06		Х
51/4	25.43	Х	
51/2	27.99		Х
6	33.21		Х
6½	38.98		Х
7	45.21		Х
8	59.05		Х
101/8	98.47		Х
121/8	138.56		Х

#### **ALUMINUM SQUARE**

12 Ft. Lengths		2024-T351	6061-T651
Size in Inches	Lbs./Ft.	포	Ξ.
1/4	.07		Х
3/8	.17	Х	X
1/2	.29	X	Χ
5/8	.46		Х
3/4	.66	Х	Х
1	1.20	Х	Х
11⁄4	1.83		Х
11/2	2.64		Х
13⁄4	3.72		Х
2	4.80		Х
21/2	7.35		Х
3	10.80		Х
3½	14.90		Χ
4	19.40		Χ
5	29.38		Х
6	42.33		Х

Looking for a specific material, grade, or size that's not listed in our Material Selection Guide? Call and inquire!

#### **ALUMINUM RECTANGULAR**

BARS 12 Ft. Lengths ETTEN ! Size in Inches Lbs./Ft. Х .17 .11 X Х .18 Χ 1 11/4 .18 Χ .23 Χ 11/2 X .29 Х 2 Х 21/2 .38 X 3 .45 Х 4 .59 X 3/16 X .11 .17 Χ 3/4 .22 Χ Χ 1 11/4 .28 X 11/2 .33 Χ Χ 2 .44 21/2 X .56 Χ 3 .67 4 Χ .88 1/4 1/2 Χ .15 Х Χ 3/4 .22 Х Χ 1 .29 11/4 Χ .37 X 11/2 .44 Х Χ 13/4 .52 2 .59 Χ Χ 21/2 Χ .73 Χ 3 X .88 Χ 1.17 X 5 1.47 X 6 1.80 8 2.35 Χ 3/8 Х 1/2 .22 Χ 3/4 .33 X 1 .44 X 11/4 Χ .55 X X 11/2 .66 Χ 13/4 .77 Χ 2 .88 Х 21/2 1.10 1.32 X 3 4 Χ 1.76 X 6 2.64 8 X 3.53 1/2 Χ Х 3/4 .44 Χ Χ 1 X .59 11/4 X .73 11/2 .88

 <sup>\*</sup> Also available in 6063-T52

### ALUMINUM RECTANGULAR

BARS 12 Ft. Lengths (Continued)  Size in Inches Lbs./Ft.  1/2 x 13/4 1.02 2 1.17 X X X 21/2 1.46 3 1.76 X X X 4 2.34 X X 5 2.93 X 6 3.52 X X X 8 4.71 X 5/8 x 1 .73 X X 11/4 .92 X X 11/2 1.10 X 2 1.46 X X 2 1.46 X X 4 2.92 X X 3/4 x 1 .88 X X X 11/4 1.10 X X 2 1.76 X X X 2 2 2.20 X X 3 2.53 X X X 4 3.52 X X X 4 3.52 X X X 4 3.52 X X X 5 5 2.83 X X X 4 3.52 X X X 5 5 2.83 X X X 11/4 1.46 X X 11/2 1.76 X X X 2 2 2.35 X X X 3 3.52 X X X X 3 X X X 4 4 4.00 X X X 5 5 7.62 X X 6 21.14 X X	BARS 12 Ft. Lengths					6061
½         X         1.17         X         X           2½         1.46         X         X         X           3         1.76         X         X         X           4         2.34         X         X         X           5         2.93         X         X         X           6         3.52         X         X         X           8         4.71         X         X         X           5%         X         1         .73         X         X           1½         1.10         X         X         X         X           4         2.92         X         X         X         X           4         2.92         X	(Cont	<b>-T</b> 3	- <b>T</b> 6			
½         X         1.17         X         X           2½         1.46         X         X         X           3         1.76         X         X         X           4         2.34         X         X         X           5         2.93         X         X         X           6         3.52         X         X         X           8         4.71         X         X         X           5%         X         1         .73         X         X           1½         1.10         X         X         X         X           4         2.92         X         X         X         X           4         2.92         X	Size	in In	ches		51	51
2 1.17						Х
2½       1.46       X       X         3       1.76       X       X         4       2.34       X       X         5       2.93       X       X         6       3.52       X       X         8       4.71       X       X         5%       X       1       .73       X         1½       1.10       X       X         2       1.46       X       X         4       2.92       X       X         ¾       X       1       .88       X       X         1½       1.10       X       X       X         4       2.92       X       X       X         4       2.92       X       X       X         1½       1.32       X       X       X         2½       2.20       X       X       X         2½       2.20       X       X       X         4       3.52       X       X       X         5       5.28       X       X       X         1½       1.76       X       X       X         2 <td></td> <td></td> <td></td> <td></td> <td>Х</td> <td>  X  </td>					Х	X
4 2.34 X X X 5 2.93						Х
4 2.34 X X X 5 2.93			3		Х	Х
5       2.93       X         6       3.52       X       X         8       4.71       X         5%       X       1.73       X         11/4       .92       X         11/2       1.10       X         2       1.46       X         4       2.92       X         3/4       X       1       .88       X       X         4       2.92       X       X       X         2       1.46       X       X       X         11/2       1.32       X       X       X       X         2       1.32       X <td></td> <td></td> <td>4</td> <td>2.34</td> <td>Х</td> <td>Х</td>			4	2.34	Х	Х
6 3.52 X X X X X X X X X X X X X X X X X X X			5			
8       4.71       X         5%       x       1       .73       X         1½       1.10       X         2       1.46       X         4       2.92       X         ¾       x       1       .88       X       X         1½       1.32       X       X       X       X       X         2½       2.20       X </td <td></td> <td></td> <td>6</td> <td>3.52</td> <td>Х</td> <td>Х</td>			6	3.52	Х	Х
5%         x         1         .73         X           1½         1.10         X           2         1.46         X           4         2.92         X           34         x         1         .88         X         X           1½         1.32         X         X         X         X           1½         1.32         X <td></td> <td></td> <td>8</td> <td></td> <td></td> <td>Х</td>			8			Х
11/4       .92       X         11/2       1.10       X         2       1.46       X         4       2.92       X         3/4       X       1       .88       X       X         11/4       1.10       X       X       X         11/2       1.32       X       X       X         21/2       2.20       X       X       X         21/2       2.20       X       X       X         4       3.52       X       X       X         5       4.29       X       X       X         6       5.28       X       X       X         11/2       1.76       X       X       X       X         2       2.35       X <td>5/8</td> <td>Х</td> <td>1</td> <td></td> <td></td> <td>Х</td>	5/8	Х	1			Х
1½       1.10       X         2       1.46       X         4       2.92       X         ¾       X       1       .88       X       X         1½       1.32       X       X         1½       1.32       X       X         2½       2.20       X       X         3       2.53       X       X         4       3.52       X       X         5       4.29       X       X         6       5.28       X       X         1       X       1½       1.76       X       X         2       2.35       X       X       X         2½       2.73       X       X       X         3       3.52       X       X         3½       4.11       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         1¼       X       1½       2.20       X         2       2.93       X       X         3       5.28       X     <			11/4	.92		Х
2 1.46			11/2			Х
3/4       x       1       .88       X       X         11/4       1.10       X       X       X         11/2       1.32       X       X       X         2       1.76       X       X       X         2½       2.20       X       X       X         3       2.53       X       X       X         4       3.52       X       X       X         5       4.29       X       X       X         6       5.28       X       X       X         11/2       1.76       X       X       X         2       2.35       X       X       X         2       2.35       X       X       X         3       3.52       X       X       X         3       3.52       X       X       X         4       4.70       X       X       X         5       5.87       X       X       X         6       7.04       X       X       X         11/2       X       2       2.93       X       X         4       6.08       X <td></td> <td></td> <td></td> <td></td> <td></td> <td>Х</td>						Х
3/4       x       1       .88       X       X         11/4       1.10       X         11/2       1.32       X       X         2       1.76       X       X         2       2.176       X       X         2       2.53       X       X         4       3.52       X       X         5       4.29       X       X         6       5.28       X       X         1       1.1/4       1.46       X       X         2       2.35       X       X         2       2.35       X       X         2       2.35       X       X         3       3.52       X       X         3       3.52       X       X         3       3.52       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         11/4       x       11/2       2.20       X         2       2.93       X       X         3       5.28       X						
11/4       1.10       X         11/2       1.32       X       X         2       1.76       X       X         21/2       2.20       X         3       2.53       X       X         4       3.52       X         5       4.29       X         6       5.28       X         1       X       11/4       1.46         X       X       X       X         2       2.35       X       X         2       2.35       X       X         3       3.52       X       X         3       3.52       X       X         3       3.52       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         11/4       X       11/2       2.20       X         2       2.93       X       X         3       3.52       X       X         4       6.08       X       X         11/2       X       2       X       X	3/4	Х			Х	
11½       1.32       X       X         2½       2.20       X         3       2.53       X       X         4       3.52       X         5       4.29       X         6       5.28       X         1       X       1½       1.76       X       X         2       2.35       X       X         2½       2.73       X       X         3       3.52       X       X         3½       4.11       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         1¼       x       1½       2.20       X         2       2.93       X       X         3       4.41       X       X         4       6.08       X       X         1½       x       2       3.52       X         X       X       X       X         3       5.28       X         4       7.04       X         5       8.83       X			11/4			
2 1.76					Х	
2½       2.20       X         3       2.53       X         4       3.52       X         5       4.29       X         6       5.28       X         1       x       1½       1.76       X       X         2       2.35       X       X         2½       2.73       X       X         3       3.52       X       X         3½       4.11       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         1¼       x       1½       2.20       X         2       2.93       X       X         3       4.41       X       X         4       6.08       X       X         1½       x       2       3.52       X         X       X       X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x					Х	Х
3 2.53 X X X A 3.52 X X A 3.52 X X A 4.29 X X A 5 4.29 X X A 5 5.28 X				2.20		Х
4       3.52       X         5       4.29       X         6       5.28       X         1       x       1½       1.76       X       X         2       2.35       X       X         2½       2.73       X       X         3       3.52       X       X         3½       4.11       X         4       4.70       X       X         5       5.87       X         6       7.04       X       X         1¼       x       1½       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         1½       x       2       3.52         X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04         X       X       X         2½       x       4       1.20         X       X       X <t< td=""><td></td><td></td><td></td><td></td><td>Х</td><td>Х</td></t<>					Х	Х
5       4.29       X         6       5.28       X         1       x       11/4       1.46       X         11/2       1.76       X       X         2       2.35       X       X         21/2       2.73       X       X         3       3.52       X       X         31/2       4.11       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         11/4       x       11/2       2.20       X         2       2.93       X       X         3       4.41       X       X         4       6.08       X       X         11/2       x       2       3.52       X         X       X       X       X       X         3       5.28       X       X         4       7.04       X       X         5       8.83       X       X         6       10.80       X       X         2       x       3       7.04       X						
6 5.28 X 1 x 11/4 1.46 X 11/2 1.76 X X 2 2.35 X X 21/2 2.73 X X 3 3.52 X X 31/2 4.11 X 4 4.70 X X 5 5.87 X 6 7.04 X 11/4 x 11/2 2.20 X 2 2.93 X 3 4.41 X 4 6.08 X 11/2 x 2 3.52 X 21/2 4.40 X 3 5.28 X 4 7.04 X 5 8.83 X 6 10.80 X 2 x 3 7.04 X 2 1/2 x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			5			Х
1       x       11/4       1.46       X       X         11/2       1.76       X       X         2       2.35       X       X         21/2       2.73       X       X         3       3.52       X       X         31/2       4.11       X       X         4       4.70       X       X         5       5.87       X       X         6       7.04       X       X         11/4       x       11/2       2.20       X         2       2.93       X       X         3       4.41       X       X         4       6.08       X       X         11/2       x       2       3.52       X         2       21/2       4.40       X       X         3       5.28       X       X         4       7.04       X       X         5       8.83       X       X         6       10.80       X       X         2       x       3       7.04       X         4       9.39       X       X <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
1½       1.76       X       X         2       2.35       X       X         2½       2.73       X       X         3       3.52       X       X         3½       4.11       X         4       4.70       X       X         5       5.87       X         6       7.04       X         1¼       x       1½       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         1½       x       2       3.52       X         2½       4.40       X       X         3       5.28       X       X         4       7.04       X       X         5       8.83       X       X         6       10.80       X       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       14.09       X         3       x       4       14.09       X         5       17.62       X </td <td>1</td> <td>Х</td> <td></td> <td></td> <td></td> <td>Х</td>	1	Х				Х
2 2.35 X X X X 3 3.52 X X X X X 3 3.52 X X X X X X X X X X X X X X X X X X X					Х	
2½       2.73       X       X         3       3.52       X       X         3½       4.11       X         4       4.70       X       X         5       5.87       X         6       7.04       X         1¼       x       1½       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         1½       x       2       3.52       X         2½       4.40       X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04         X       X       X         2½       x       4       9.39       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X						Х
3 3.52 X X X 3 3½ 4.11 X X X X 4 4.70 X X X X 5 5.87 X X X X 5 5.87 X X X X X 5 5.87 X X X X X X 1¼ X 1½ 2.20 X X 2 2.93 X X 3 4.41 X X X 4 6.08 X X 1½ X 2 3.52 X X 2½ 4.40 X X 3 5.28 X X 4 7.04 X X 5 8.83 X X 6 10.80 X X X X 2½ X 4 9.39 X X X 2½ X 4 12.20 X X X 2½ X 4 14.09 X X X 5 17.62 X X					Х	
3½       4.11       X         4       4.70       X       X         5       5.87       X         6       7.04       X         1¼       X       1½       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         1½       X       2       3.52       X         2½       4.40       X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       X       3       7.04         X       4       9.39       X         2½       X       4       12.20         3       X       4       14.09         5       17.62       X						Х
5       5.87       X         6       7.04       X         11/4       x       11/2       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         11/2       x       2       3.52       X         21/2       4.40       X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X						
5       5.87       X         6       7.04       X         11/4       x       11/2       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         11/2       x       2       3.52       X         21/2       4.40       X       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X			4	4.70	Х	Х
11/4       x       11/2       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         11/2       x       2       3.52         2½       4.40       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X			5			Х
11/4       x       11/2       2.20       X         2       2.93       X         3       4.41       X         4       6.08       X         11/2       x       2       3.52         2½       4.40       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X			6	7.04		Х
3 4.41 X 4 6.08 X 1½ x 2 3.52 X 2½ 4.40 X 3 5.28 X 4 7.04 X 5 8.83 X 6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X	11/4	Х				Х
3 4.41 X 4 6.08 X 1½ x 2 3.52 X 2½ 4.40 X 3 5.28 X 4 7.04 X 5 8.83 X 6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			2	2.93		Х
4       6.08       X         1½       x       2       3.52       X         2½       4.40       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X			3			X
1½       x       2       3.52       X         2½       4.40       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X			4			Х
2½       4.40       X         3       5.28       X         4       7.04       X         5       8.83       X         6       10.80       X         2       x       3       7.04       X         4       9.39       X       X         2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X	11/2	Х	2	3.52		Х
3 5.28 X 4 7.04 X 5 8.83 X 6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			21/2	4.40		Х
5 8.83 X 6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			3	5.28		X
5 8.83 X 6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			4	7.04		X
6 10.80 X 2 x 3 7.04 X 4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X				8.83		X
4 9.39 X X 2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			6			X
2½       x       4       12.20       X         3       x       4       14.09       X         5       17.62       X	2	Х				
2½ x 4 12.20 X 3 x 4 14.09 X 5 17.62 X			4	9.39	X	X
5 17.62 X	21/2	Х				
5 17.62 X	3	Х	4	14.09		X
6 21.14 X						Х
			6	21.14		X

#### ALUMINUM STRUCTURAL ANGLES 25 Ft. - 6061-T6

Size	in Inc	ches			Lbs./Ft.
3/4	Х	3/4	Х	1/8	.20
1	Х	1	Х	1/8	.28
1	Х	1	Х	3/16	.40
1	Х	1	Х	1/4	.51
11/4	Х	11/4	Х	1/8	.35
11/4	Х	11/4	Х	3/16	.51
11/4	Х	11/4	Х	1/4	.66
11/2	Х	11/2	Х	1/8	.43
11/2	Х	11/2	Х	3/16	.62
11/2	Х	11/2	Х	1/4	.81
2	Х	11/2	Х	1/4	.96
2	Х	2	Х	1/8	.57
2	Х	2	Х	3/16	.84
2	Х	2	Х	1/4	1.11
2	Х	2	Х	3/8	2.05
21/2	Х	21/2	Х	3/16	1.07
21/2	Х	21/2	Х	1/4	1.40
21/2	Х	21/2	Х	3/8	2.05
3	Χ	2	Х	1/4	1.40
3	Х	3	Х	1/4	1.68
3	Х	3	Х	3/8	2.47
3	Х	3	Х	1/2	3.41
31/2	Х	31/2	Х	3/8	2.93
4	Х	3	Х	1/4	1.99
4	Х	4	Х	1/4	2.28
5	Х	3	Х	3/8	3.35
8	Х	8	Х	1/2	9.14

## AMERICAN STANDARD ALUMINUM CHANNEL

25 Ft. 6061-T6

#### Size in Inches

		Thick		Flange	Lbs./Ft.
3	Х	.170	Х	1.41	1.420
3	Χ	.258	Х	1.50	1.730
4	Χ	.180	Х	1.58	1.850
4	Χ	.320	Х	1.72	2.500
5	Χ	.190	Х	1.75	2.320
5	Х	.325	Х	1.89	3.110
6	Χ	.200	Χ	1.92	2.830
8	Х	.250	Х	2.29	4.250
10	х	.526	Х	2.89	8.640

Call Toll Free 800-562-0357

#### ALUMINUM DRAWN TUBING

12 Ft. 6061-T6

Size in Inch	es		Lbs./Ft.	
.750 O.D.	Х	.065 wall	.160	
.750 O.D.	Х	.125 wall seamless	.289	
1.000 O.D.	Х	.125 wall	.404	
1.500 O.D.	Х	.065 wall	.344	
2.000 O.D.	Х	.125 wall	.870	
3.000 O.D.	Х	.250 wall	2.600	

# ALUMINUM EXTRUDED TUBING 21 Ft. 1 In. - 6063-T52

Size	in In	ches			Lbs./Ft.
3/4	Х	3/4	Х	.062 wall	.214
3/4	Х	3/4	Χ	.125 wall	.376
1	Х	1	Х	.062 wall	.280
1	Χ	1	Χ	.125 wall	.526
11/4	Х	11/4	Х	.125 wall	.676
11/2	Х	11/2	Х	.125 wall	.825
13/4	Х	13/4	Х	.125 wall	.974
2	Х	2	Χ	.125 wall	1.112
3	Х	3	Х	.125 wall	1.720
4	Х	4	Х	.125 wall	2.320
1/2	Х	1	Х	.125 wall	.375
3/4	Х	11/2	Х	.125 wall	.604
1	Х	2	Х	.125 wall	.824
11/2	Х	2	Х	.125 wall	.971
2	Х	3	Х	.125 wall	1.410

#### ALUMINUM PIPE 20 Ft. 6061-T6

Size in Inches	Schedule 40	Schedule 80
1.00	Χ	X
1.50	X	

Aluminum I Beams, Tees, and Custom Extrusions are also available.