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**ALUMINUM COILED\* SHEET****1100-H14****Mill Finish**

20" I.D. Coils

ASTM B 209 AMS 4003

Chemical Composition and Mechanical Properties, *Pages 237-241*

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Ft.
<b>.050 x 36</b>	.7056	2.117
<b>.063 x 36</b>	.8891	2.667
<b>.090 x 48</b>	1.270	5.080

\*Coils can be slit to width, or leveled and cut to length

**ALUMINUM COILED\* SHEET****3003-H14****Mill Finish**

20" I.D. Coils

ASTM B 209 AMS 4008

Chemical Composition and Mechanical Properties, *Pages 237-241*

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Ft.	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Ft.
<b>.020 x 36</b>	.2851	.8553	<b>.063 x 36</b>	.8981	2.694
<b>.025 x 48</b>	.3564	1.426	<b>48</b>		3.592
<b>.032 x 36</b>	.4562	1.369	<b>60</b>		4.491
<b>48</b>		1.825	<b>.080 x 36</b>	1.141	3.423
<b>.040 x 36</b>	.5702	1.711	<b>48</b>		4.564
<b>48</b>		2.281	<b>60</b>		5.705
<b>60</b>		2.851	<b>.090 x 36</b>	1.283	3.849
<b>.050 x 36</b>	.7128	2.138	<b>48</b>		5.132
<b>48</b>		2.851	<b>60</b>		6.415
<b>60</b>		3.564	<b>.100 x 48</b>	1.426	5.704
			<b>60</b>		7.130
			<b>.125 x 36</b>	1.782	5.346
			<b>48</b>		7.128
			<b>60</b>		8.910

\*Coils can be slit to width, or leveled and cut to length

**ALUMINUM COILED\* SHEET**  
**5052-H32**  
**Mill Finish**



20" I.D. Coils

AMS-QQ-A-250/8 ASTM B 209 AMS 4016

Chemical Composition and Mechanical Properties, Pages 237-241

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Ft.
<b>.020 x 36</b>	.2794	.8382
<b>.025 x 36</b>	.3492	1.048
<b>48</b>		1.397
<b>.032 x 36</b>	.4470	1.341
<b>48</b>		1.788
<b>.040 x 36</b>	.5587	1.676
<b>48</b>		2.235
<b>.050 x 36</b>	.6984	2.095
<b>48</b>		2.794
<b>60</b>		3.492
<b>.063 x 36</b>	.8800	2.640
<b>48</b>		3.520
<b>60</b>		4.400
<b>.080 x 36</b>	1.117	3.351
<b>48</b>		4.468
<b>60</b>		5.585
<b>.090 x 36</b>	1.257	3.771
<b>48</b>		5.028
<b>60</b>		6.285
<b>.100 x 36</b>	1.397	4.191
<b>48</b>		5.588
<b>60</b>		6.985
<b>.125 x 36</b>	1.746	5.238
<b>48</b>		6.984
<b>60</b>		8.730

\*Coils can be slit to width, or leveled and cut to length

**ALUMINUM**  
**SPECULAR LIGHTING SHEET**



This lighting sheet is produced from bright-rolled, reflector-quality coiled sheet. It has a guaranteed minimum total reflectivity of 86 percent, along with a high specularity level. Supplied with a strippable vinyl protective coating to protect the anodized surface.

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.025 x 24 x 96</b>	.360	5.76
<b>.032 x 24 x 96</b>	.461	7.38

**ALUMINUM FLAT SHEET****1100-O****Mill Finish**

Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Yellow with Orange Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.050 x 48 x 144</b>	.7056	33.87

**ALUMINUM FLAT SHEET****1100-H14****Mill Finish**

.125" and Heavier — Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Yellow with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.040 x 36 x 96</b>	.5645	13.55
<b>.050 x 36 x 96</b>	.7056	16.93
<b>.063 x 36 x 96</b>	.8891	21.34
<b>.090 x 48 x 144</b>	1.270	60.96
<b>.125 x 48 x 144</b>	1.764	84.67

**ALUMINUM FLAT SHEET****3003-O****Mill Finish**

Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Pink with Orange Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.040 x 48 x 144</b>	.5702	27.37	<b>.080 x 48 x 144</b>	1.141	54.77
<b>.050 x 48 x 144</b>	.7128	34.21	<b>.090 x 48 x 144</b>	1.283	61.58
<b>.063 x 48 x 144</b>	.8981	43.11	<b>.125 x 48 x 144</b>	1.782	85.54

## ALUMINUM FLAT SHEET 3003-H14



### Mill Finish

.125" and Heavier — Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: Pink with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.016 x 36 x 120</b>	.2281	6.843	<b>.080 x 60 x 120</b>	1.141	57.05
<b>.020 x 36 x 120</b>	.2851	8.553	<b>60 x 144</b>		68.46
<b>.025 x 48 x 120</b>	.3564	14.26	<b>.090 x 36 x 96</b>	1.283	30.79
<b>48 x 144</b>		17.11	<b>36 x 120</b>		38.49
<b>.032 x 36 x 96</b>	.4562	10.95	<b>36 x 144</b>		46.19
<b>36 x 120</b>		13.69	<b>48 x 96</b>		41.05
<b>36 x 144</b>		16.42	<b>48 x 120</b>		51.32
<b>48 x 96</b>		14.60	<b>48 x 144**</b>		61.58
<b>48 x 120</b>		18.25	<b>60 x 96</b>		51.32
<b>48 x 144</b>		21.90	<b>60 x 120</b>		64.15
<b>60 x 96</b>		18.25	<b>60 x 144</b>		76.98
<b>60 x 120</b>		22.81	<b>.100 x 36 x 96</b>	1.426	34.22
<b>60 x 144</b>		27.37	<b>36 x 120*</b>		42.78
<b>.040 x 36 x 96</b>	.5702	13.68	<b>36 x 144</b>		51.34
<b>36 x 120</b>		17.11	<b>48 x 96</b>		45.63
<b>36 x 144</b>		20.52	<b>48 x 120</b>		57.04
<b>48 x 96</b>		18.25	<b>48 x 144</b>		68.45
<b>48 x 120</b>		22.81	<b>60 x 96*</b>		57.04
<b>48 x 144</b>		27.37	<b>60 x 120*</b>		71.30
<b>60 x 96</b>		22.81	<b>60 x 144*</b>		85.56
<b>60 x 120</b>		28.51	<b>.125 x 36 x 96*</b>	1.782	42.77
<b>60 x 144</b>		34.21	<b>36 x 120*</b>		53.46
<b>.050 x 36 x 96</b>	.7128	17.11	<b>36 x 144*</b>		64.15
<b>36 x 120</b>		21.38	<b>48 x 96*</b>		57.02
<b>36 x 144</b>		25.66	<b>48 x 120*</b>		71.28
<b>48 x 96</b>		22.81	<b>48 x 144*</b>		85.54
<b>48 x 120</b>		28.51	<b>60 x 96*</b>		71.28
<b>48 x 144</b>		34.21	<b>60 x 120*</b>		89.10
<b>60 x 96</b>		28.51	<b>60 x 144*</b>		106.9
<b>60 x 120</b>		35.64	<b>72 x 144*</b>		128.3
<b>60 x 144</b>		42.77	<b>.190 x 36 x 96*</b>	2.709	65.02
<b>.063 x 36 x 96</b>	.8981	21.55	<b>36 x 120*</b>		81.27
<b>36 x 120</b>		26.94	<b>36 x 144*</b>		97.52
<b>36 x 144</b>		32.33	<b>48 x 96*</b>		86.68
<b>48 x 96</b>		28.74	<b>48 x 120*</b>		108.4
<b>48 x 120**</b>		35.92	<b>48 x 144*</b>		130.0
<b>48 x 144**</b>		43.11	<b>60 x 96*</b>		108.4
<b>60 x 96</b>		35.92	<b>60 x 120*</b>		135.5
<b>60 x 120</b>		44.91	<b>60 x 144*</b>		162.5
<b>60 x 144</b>		53.89	<b>.249 x 36 x 96*</b>	3.550	85.20
<b>.080 x 36 x 96</b>	1.141	27.38	<b>36 x 120*</b>		106.5
<b>36 x 120</b>		34.23	<b>36 x 144*</b>		127.8
<b>36 x 144</b>		41.08	<b>48 x 96*</b>		113.6
<b>48 x 96</b>		36.51	<b>48 x 120*</b>		142.0
<b>48 x 120</b>		45.64	<b>48 x 144*</b>		170.4
<b>48 x 144</b>		54.77	<b>60 x 96*</b>		142.0
<b>60 x 96</b>		45.64	<b>60 x 120*</b>		177.5
			<b>60 x 144*</b>		213.0

\*Paper interleaved

\*\*Available paper interleaved or not interleaved



**ALUMINUM FLAT SHEET**  
**2024-T3 BARE**  
**Mill Finish**

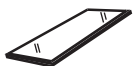
Paper Interleaved and Identified

AMS-QQ-A-250/4 ASTM B 209 AMS 4037

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Red with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.025 x 48 x 144</b> .....	.3636 .....	17.45
<b>.032 x 48 x 144</b>	.4654	22.34
<b>.050 x 48 x 144</b>	.7272	34.91
<b>.063 x 48 x 144</b>	.9163	43.98
<b>.080 x 48 x 144</b>	1.164	55.87
<b>.090 x 48 x 144</b> .....	1.309 .....	62.83
<b>.100 x 48 x 144</b>	1.454	69.79
<b>.125 x 48 x 144</b>	1.818	87.26
<b>.160 x 48 x 144</b>	2.327	111.7
<b>.190 x 48 x 144</b>	2.763	132.6



**ALUMINUM FLAT SHEET**  
**2024-T3 ALCLAD**  
**Mill Finish**

Paper Interleaved and Identified

AMS-QQ-A-250/5 ASTM B 209 AMS 4041

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Red with Purple Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.020 x 48 x 144</b> .....	.2909 .....	13.96
<b>.025 x 48 x 144</b>	.3636	17.45
<b>.032 x 48 x 144</b>	.4654	22.34
<b>.040 x 48 x 144</b> .....	.5818 .....	27.93
<b>.050 x 48 x 144</b>	.7272	34.91
<b>.063 x 48 x 144</b>	.9163	43.98

**ALUMINUM FLAT SHEET**  
**5052-H32**  
**Mill Finish**



.080" and Heavier—Paper Interleaved  
 AMS-QQ-A-250/8 ASTM B 209 AMS 4016

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: White with Purple Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.020 x 36 x 96</b>	.2794	6.706	<b>.090 x 36 x 96*</b>	1.257	30.17
		8.382			37.71
		10.06			45.25
<b>.025 x 36 x 96</b>	.3492	8.381	<b>36 x 120*</b>		40.22
		10.48	<b>48 x 96*</b>		50.28
		12.57	<b>48 x 120*</b>		60.34
<b>.032 x 36 x 96</b>	.4470	11.17	<b>48 x 144*</b>		50.28
		10.73	<b>60 x 96*</b>		62.85
		13.41	<b>60 x 120**</b>		75.42
<b>.040 x 36 x 96</b>	.5587	16.10	<b>60 x 144*</b>		33.53
		14.30	<b>.100 x 36 x 96*</b>	1.397	41.91
		17.88	<b>36 x 120*</b>		49.93
		21.46	<b>36 x 144*</b>		44.38
		17.88	<b>48 x 96*</b>		55.88
		22.35	<b>48 x 120*</b>		67.06
		26.82	<b>48 x 144*</b>		55.88
		13.41	<b>60 x 96</b>		69.85
		16.76	<b>60 x 120*</b>		69.85
		20.11	<b>60 x 144*</b>		83.82
		17.88	<b>.125 x 36 x 96*</b>	1.746	41.90
		22.35	<b>36 x 120*</b>		52.38
26.82	<b>36 x 144*</b>		62.86		
22.35	<b>48 x 96*</b>		55.87		
27.94	<b>48 x 120*</b>		69.84		
33.52	<b>48 x 144*</b>		83.81		
16.76	<b>60 x 96</b>		69.84		
20.95	<b>60 x 120*</b>		87.30		
25.14	<b>60 x 144*</b>		104.8		
22.35	<b>.160 x 36 x 96*</b>	2.235	125.7		
27.94	<b>36 x 120*</b>		71.52		
33.52	<b>36 x 144*</b>		67.05		
27.94	<b>48 x 96*</b>		80.46		
34.92	<b>48 x 120*</b>		71.52		
41.90	<b>48 x 144*</b>		89.40		
21.12	<b>60 x 96</b>		107.3		
26.40	<b>60 x 120*</b>		89.40		
31.68	<b>60 x 144*</b>		111.8		
28.16	<b>.190 x 36 x 96*</b>	2.654	134.1		
35.20	<b>36 x 120*</b>		63.70		
42.24	<b>36 x 144*</b>		79.62		
35.20	<b>48 x 96*</b>		95.54		
44.00	<b>48 x 120*</b>		84.93		
52.80	<b>48 x 144*</b>		106.2		
26.81	<b>60 x 96</b>		127.4		
33.51	<b>60 x 120*</b>		106.2		
40.21	<b>60 x 144*</b>		132.7		
35.74	<b>.249 x 36 x 96*</b>	3.478	159.2		
44.68	<b>36 x 120*</b>		191.1		
53.62	<b>36 x 144*</b>		83.47		
44.68	<b>48 x 96*</b>		104.3		
55.85	<b>48 x 120*</b>		125.21		
67.02	<b>48 x 144*</b>		111.3		
	<b>60 x 96*</b>		139.1		
	<b>60 x 120*</b>		166.9		
	<b>60 x 144*</b>		139.1		
			173.9		
			208.7		

\*Paper interleaved

\*\*Available paper interleaved or not interleaved

**ALUMINUM FLAT SHEET****5052-O****Mill Finish**

Paper Interleaved

AMS-QQ-A-250/8 ASTM B 209 AMS 4015

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: White with Orange Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.063 x 48 x 144</b>	.8800	42.24	<b>.125 x 48 x 144</b>	1.746	83.81
<b>.090 x 48 x 144</b>	1.257	60.34	<b>.190 x 48 x 144</b>	2.654	127.4
<b>.125 x 48 x 120</b>	1.746	69.84			

**ALUMINUM FLAT SHEET****6061-O****Mill Finish**

Paper Interleaved

ASTM B 209 AMS 4025

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: Blue with Brown Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.040 x 48 x 144</b>	.5645	27.10	<b>.100 x 48 x 144</b>	1.411	67.73
<b>.050 x 48 x 144</b>	.7056	33.87	<b>.125 x 48 x 144</b>	1.764	84.67
<b>.063 x 48 x 144</b>	.8891	42.68	<b>.190 x 48 x 144</b>	2.681	128.7
<b>.080 x 48 x 144</b>	1.129	54.19			

**ALUMINUM FLAT SHEET****6061-T4****Mill Finish**

Paper Interleaved and Identified

ASTM B 209 AMS 4026

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: Blue with Orange Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.032 x 48 x 144</b>	.4516	21.68	<b>.090 x 48 x 144</b>	1.270	60.96
<b>.040 x 48 x 144</b>	.5645	27.10	<b>.100 x 48 x 144</b>	1.411	67.73
<b>.050 x 48 x 144</b>	.7056	33.87	<b>.125 x 48 x 144</b>	1.764	84.67
<b>.063 x 48 x 144</b>	.8891	42.68	<b>.190 x 48 x 144</b>	2.681	128.7
<b>.080 x 48 x 144</b>	1.129	54.19			

**ALUMINUM FLAT SHEET****6061-T6****Mill Finish**

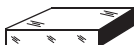
Paper Interleaved and Identified

ASTM B 209 AMS 4027

Chemical Composition and Mechanical Properties, Pages 237-241

Identification Color: Blue with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet	Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Sheet
<b>.032 x 48 x 144</b>	.4516	21.68	<b>.100 x 48 x 144</b>	1.411	67.73
<b>.040 x 48 x 144</b>	.5645	27.10	<b>.125 x 36 x 96</b>	1.764	42.34
<b>.050 x 48 x 144</b>	.7056	33.87	<b>48 x 96</b>		56.45
<b>.063 x 36 x 96</b>	.8891	21.34	<b>48 x 144</b>		84.67
<b>48 x 144</b>		42.68	<b>60 x 144</b>		105.8
<b>60 x 144</b>		53.35	<b>.160 x 48 x 144</b>	2.258	108.4
<b>.080 x 48 x 144</b>	1.129	54.19	<b>.190 x 36 x 96</b>	2.681	64.34
<b>60 x 144</b>		67.74	<b>48 x 144</b>		128.7
<b>.090 x 48 x 144</b>		60.96	<b>60 x 144</b>		160.9
<b>60 x 144</b>		76.20			



**ALUMINUM PLATE**  
**1100-F**  
**Mill Finish**

Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Yellow with Brown Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/2 x 48 x 144</b>	7.056	338.7



**ALUMINUM PLATE**  
**3003-F\***  
**Mill Finish**

Paper Interleaved

ASTM B 209

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Pink with Brown Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>3/8 x 48 x 144</b>	5.346	256.6
<b>1/2 x 48 x 144</b>	7.128	342.1

\*.249" thick, see page 155

## ALUMINUM PLATE 5052-H32\*



### Mill Finish

Paper Interleaved and Identified

AMS-QQ-A-250/8 ASTM B 209 AMS 4016

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: White with Purple Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>3/8 x 48 x 120</b>	5.238	209.5
<b>48 x 144</b>		251.4
<b>1/2 x 48 x 144</b>	6.984	335.2
<b>60 x 120</b>		349.2

\*.249" thick, see page 157

## ALUMINUM PLATE 6061-O



### Mill Finish

Paper Interleaved and Identified

ASTM B 209 AMS 4025

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Blue with Brown Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/4 x 48 x 144</b>	3.528	169.3



**ALUMINUM PLATE**  
**2024-T351 BARE**  
**Mill Finish**

Paper Interleaved and Identified

AMS-QQ-A-250/4 ASTM B 209 AMS 4037

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Red with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/4 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	3.636 . . . . .	88.94
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		177.0
<b>5/16 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	4.545 . . . . .	221.2
<b>3/8 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	5.454 . . . . .	265.4
<b>1/2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	7.272 . . . . .	353.9
<b>3/4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	10.91 . . . . .	531.0
<b>1 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	14.54 . . . . .	707.6
<b>1<sup>1</sup>/<sub>2</sub> x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	21.82 . . . . .	1062
<b>2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	29.09 . . . . .	1416
<b>3 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	43.63 . . . . .	2123

**ALUMINUM PLATE  
6061-T651**



**Mill Finish**

Paper Interleaved and Identified — Sawed Edges  
ASTM B 209 AMS 4027

Chemical Composition and Mechanical Properties, *Pages 237-241*  
Identification Color: Blue with Purple Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/4 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	3.528 . . . . .	86.30
<b>48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b>		114.7
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		171.7
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		214.2
<b>72<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		256.7
<b>5/16 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	4.410 . . . . .	214.6
<b>3/8 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	5.292 . . . . .	129.4
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		257.6
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		321.3
<b>1/2 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	7.056 . . . . .	172.6
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		343.4
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		428.4
<b>5/8 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	8.820 . . . . .	286.7
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		429.3
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		535.5
<b>3/4 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	10.58 . . . . .	258.8
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		514.9
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		642.3
<b>1 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	14.11 . . . . .	345.1
<b>48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b>		458.6
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		686.7
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		856.6
<b>1 1/4 x 36<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	17.64 . . . . .	431.5
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		858.5
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		1071
<b>1 1/2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	21.17 . . . . .	1030
<b>1 3/4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	24.70 . . . . .	1202
<b>2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	28.22 . . . . .	1373
<b>2 1/4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	31.75 . . . . .	1545
<b>2 1/2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	35.28 . . . . .	1717
<b>2 3/4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	38.81 . . . . .	1888
<b>3 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	42.34 . . . . .	2061
<b>3 1/2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	49.39 . . . . .	2404
<b>4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	56.45 . . . . .	2747
<b>4 1/2 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	63.50 . . . . .	3090
<b>5 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	70.56 . . . . .	3434
<b>6 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	84.67 . . . . .	4121



## ALUMINUM CAST TOOL AND JIG PLATE

**Cast, Stress Relieved, and Machined**

Vinyl Covered Both Sides and Identified

Both surfaces machined to 25 micro-inches or better. Thickness tolerance is plus or minus .005 in.

Typical uses: stretch-forming dies, rubber pad process form blocks, assembly jigs, locating devices, drill jigs, pattern and core plates, and inspection fixtures.

Mechanical Properties, *Page 241*

Identification Color: Plain Ends

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/4 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	3.636 . . . . .	118.2
<b>3/8 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	5.454 . . . . .	177.3
<b>1/2 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	7.272 . . . . .	236.4
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		353.9
<b>5/8 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	9.090 . . . . .	442.4
<b>3/4 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	10.91 . . . . .	354.6
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		531.0
<b>60<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		662.3
<b>1 x 48<sup>1</sup>/<sub>2</sub> x 96<sup>1</sup>/<sub>2</sub></b> . . . . .	14.54 . . . . .	472.6
<b>48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>		707.6
<b>1<sup>1</sup>/<sub>2</sub> x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b> . . . . .	21.82 . . . . .	1061



## ALUMINUM PLATE 7075-T651 BARE

**Mill Finish**

Paper Interleaved and Identified

AMS-QQ-A-250/12 ASTM B 209 AMS 4045

Chemical Composition and Mechanical Properties, *Pages 237-241*

Identification Color: Green with Grey Stripe

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/4 x 48<sup>1</sup>/<sub>2</sub> x 144<sup>1</sup>/<sub>2</sub></b>	3.636	177.0

## ALUMINUM TREAD PLATE



**Pattern C-102**—Length of diamond:  $1\frac{3}{16}$ " max.

Width of diamond at center:  $1\frac{1}{32}$ " max.

Chemical Composition and Mechanical Properties, *Pages 238-241*

**6061-T6**

Conforms to ASTM B 632 Pattern B

Identification Color: Blue

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>1/8 x 48 x 192</b> .....	1.9 .....	121.6
<b>60 x 192</b> .....		152.0
<b>3/16 x 48 x 192</b> .....	2.8 .....	179.2
<b>60 x 120</b> .....		140.0
<b>60 x 192</b> .....		224.0
<b>1/4 x 48 x 144</b> .....	3.7 .....	177.6
<b>48 x 192</b> .....		236.8
<b>60 x 144</b> .....		222.0
<b>60 x 192</b> .....		296.0
<b>3/8 x 48 x 192</b> .....	5.4 .....	345.6
<b>60 x 192</b> .....		432.0

**BRIGHT TREAD PLATE**  
**3003-H22**

Identification Color: Pink

Size in Inches	Lbs. per Sq. Ft.	Est. Lbs. per Plate
<b>.072 x 48 x 96</b> .....	1.2 .....	38.40
<b>48 x 120</b> .....		48.00
<b>48 x 144</b> .....		57.60
<b>60 x 96</b> .....		48.00
<b>60 x 120</b> .....		60.00
<b>60 x 144</b> .....		72.00
<b>60 x 192</b> .....		96.00
<b>.100 x 48 x 96</b> .....	1.6 .....	51.20
<b>48 x 120</b> .....		64.00
<b>48 x 144</b> .....		76.80
<b>60 x 96</b> .....		64.00
<b>60 x 120</b> .....		80.00
<b>60 x 144</b> .....		96.00
<b>1/8 x 48 x 96</b> .....	1.9 .....	60.80
<b>48 x 120</b> .....		76.00
<b>48 x 144</b> .....		91.2
<b>48 x 192</b> .....		121.6
<b>60 x 96</b> .....		76.00
<b>60 x 120</b> .....		95.00
<b>60 x 144</b> .....		114.0
<b>60 x 192</b> .....		152.0
<b>3/16 x 48 x 96</b> .....	2.8 .....	89.60
<b>48 x 120</b> .....		112.0
<b>48 x 144</b> .....		134.4
<b>48 x 192</b> .....		179.2
<b>60 x 96</b> .....		112.0
<b>60 x 120</b> .....		140.0
<b>60 x 144</b> .....		168.0
<b>60 x 192</b> .....		224.0



## ALUMINUM ROUNDS

### 2011-T3

ASTM B 211

 $\frac{1}{2}$ " & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Brown

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
$\frac{1}{8}$	.0150	.1800	$1\frac{7}{16}$	1.986	23.83
$\frac{5}{32}$	.0235	.2820	$1\frac{1}{2}$	2.163	25.96
$\frac{3}{16}$	.0338	.4056	$1\frac{9}{16}$	2.347	28.16
$\frac{7}{32}$	.0460	.5520	$1\frac{5}{8}$	2.538	30.46
$\frac{1}{4}$ . . . . .	.0601 . . . . .	.7212	$1\frac{11}{16}$	2.738	32.86
$\frac{9}{32}$	.0761	.9132	$1\frac{3}{4}$ . . . . .	2.944 . . . . .	35.33
$\frac{5}{16}$	.0939	1.127	$1\frac{13}{16}$	3.158	37.90
$\frac{11}{32}$	.1136	1.363	$1\frac{7}{8}$	3.380	40.56
$\frac{3}{8}$	.1352	1.622	<b>2</b>	3.845	46.14
$\frac{25}{64}$ . . . . .	.1467 . . . . .	1.760	$2\frac{1}{16}$	4.092	49.10
$\frac{13}{32}$	.1587	1.904	$2\frac{1}{8}$ . . . . .	4.341 . . . . .	52.09
$\frac{7}{16}$	.1840	2.208	$2\frac{1}{4}$	4.867	58.40
$\frac{15}{32}$	.2113	2.536	$2\frac{3}{8}$	5.422	65.06
$\frac{1}{2}$	.2403	2.884	$2\frac{1}{2}$	6.008	72.10
$\frac{17}{32}$	.2714	3.257	$2\frac{9}{16}$	6.312	75.74
$\frac{9}{16}$ . . . . .	.3042 . . . . .	3.650	$2\frac{5}{8}$	6.624	79.49
$\frac{5}{8}$	.3755	4.506	$2\frac{3}{4}$	7.270	87.24
$\frac{21}{32}$	.4141	4.969	<b>3</b> . . . . .	8.652 . . . . .	103.8
$\frac{11}{16}$	.4544	5.453	$3\frac{1}{8}$	9.388	112.7
$\frac{23}{32}$	.4967	5.960	$3\frac{1}{4}$	10.15	121.8
$\frac{3}{4}$	.5407	6.488	$3\frac{1}{2}$	11.78	141.4
$\frac{25}{32}$ . . . . .	.5868 . . . . .	7.042	$3\frac{3}{4}$ *	13.52	162.2
$\frac{13}{16}$	.6346	7.615	$3\frac{13}{16}\dagger$	13.97	167.6
$\frac{7}{8}$	.7360	8.832	<b>4*</b>	15.38	184.6
$\frac{15}{16}$	.8449	10.14	$4\frac{1}{8}\dagger$	16.36	196.3
<b>1</b>	.9613	11.54	$4\frac{1}{4}\dagger$	17.36	208.3
$1\frac{1}{16}$	1.085	13.02	$4\frac{5}{16}\dagger$	17.88	214.6
$1\frac{1}{8}$	1.217	14.60	$5\frac{1}{16}\dagger$	29.74	356.9
$1\frac{3}{16}$	1.356	16.27			
$1\frac{1}{4}$	1.502	18.02			
$1\frac{5}{16}$ . . . . .	1.656 . . . . .	19.87			
$1\frac{3}{8}$	1.818	21.82			

\*Above specifications, chemistry only

†T451 Temper

**ALUMINUM ROUNDS**  
**2017-T4 2017-T451**



<sup>5</sup>/<sub>8</sub>" & Under — 2017-T4

Over <sup>5</sup>/<sub>8</sub>" — 2017-T451

AMS-QQ-A-225/5 ASTM B 211

<sup>1</sup>/<sub>2</sub>" & Over — Identified

Stock Lengths: 12 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: Yellow

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
<sup>5</sup> / <sub>32</sub>	.0233	.2796	<sup>5</sup> / <sub>16</sub>	.0930	1.116	<sup>5</sup> / <sub>8</sub>	.3718	4.462
<sup>3</sup> / <sub>16</sub>	.0335	.4020	<sup>3</sup> / <sub>8</sub>	.1339	1.607	<b>1</b>	.9519	11.42
<sup>1</sup> / <sub>4</sub>	.0595	.7140	<sup>1</sup> / <sub>2</sub>	.2380	2.856	<b>1</b> <sup>1</sup> / <sub>8</sub>	1.205	14.46

**ALUMINUM ROUNDS**  
**7075-T6 7075-T651**



Under <sup>3</sup>/<sub>4</sub>" — 7075-T6

<sup>3</sup>/<sub>4</sub>" & Over — 7075-T651

AMS-QQ-A-225/9 ASTM B 211

<sup>1</sup>/<sub>2</sub>" & Over — Identified

Stock Lengths: 12 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: Black

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
<sup>3</sup> / <sub>8</sub>	.1339	1.607	<b>1</b> <sup>5</sup> / <sub>16</sub>	1.644	19.73	<b>2</b> <sup>1</sup> / <sub>8</sub>	4.298	51.58
<sup>7</sup> / <sub>16</sub>	.1822	2.186	<b>1</b> <sup>3</sup> / <sub>8</sub>	1.800	21.60	<b>2</b> <sup>1</sup> / <sub>4</sub>	4.819	57.83
<sup>1</sup> / <sub>2</sub>	.2380	2.856	<b>1</b> <sup>1</sup> / <sub>2</sub>	2.142	25.70	<b>2</b> <sup>1</sup> / <sub>2</sub>	5.949	71.39
<sup>5</sup> / <sub>8</sub>	.3720	4.464	<b>1</b> <sup>5</sup> / <sub>8</sub>	2.514	30.17	<b>2</b> <sup>3</sup> / <sub>4</sub>	7.199	86.39
<sup>3</sup> / <sub>4</sub>	.5354	6.425	<b>1</b> <sup>3</sup> / <sub>4</sub>	2.915	34.98	<b>3</b>	8.567	102.8
<sup>7</sup> / <sub>8</sub>	.7288	8.746	<b>1</b> <sup>7</sup> / <sub>8</sub>	3.347	40.16	<b>3</b> <sup>1</sup> / <sub>2</sub>	11.66	139.9
<b>1</b>	.9519	11.42	<b>2</b>	3.808	45.70	<b>3</b> <sup>3</sup> / <sub>4</sub>	13.39	160.7



## ALUMINUM ROUNDS

### 2024-T4 2024-T351

Under  $\frac{3}{4}$ " — 2024-T4  
 $\frac{3}{4}$ " to 7" Incl. — 2024-T351

AMS-QQ-A-225/6 ASTM B 211

$\frac{1}{2}$ " & Over — Identified

Stock Lengths: Up to  $4\frac{5}{8}$ " Inclusive — 12 Ft.

$4\frac{3}{4}$ " and Over — 8 to 12 Ft. Random

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Red

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
$\frac{3}{16}$	.0335	.4020	$2\frac{3}{8}$	5.369	64.43
$\frac{1}{4}$	.0595	.7140	$2\frac{1}{2}$	5.949	71.39
$\frac{5}{16}$	.0930	1.116	$2\frac{9}{16}$	6.251	75.01
$\frac{3}{8}$	.1339	1.607	$2\frac{5}{8}$	6.559	78.71
$\frac{7}{16}$	.1822	2.186	$2\frac{3}{4}$	7.199	86.39
$\frac{1}{2}$	.2380	2.856	$2\frac{7}{8}$	7.868	94.42
$\frac{9}{16}$	.3012	3.614	<b>3</b>	8.567	102.8
$\frac{5}{8}$	.3718	4.462	$3\frac{1}{16}$	8.928	107.1
$\frac{11}{16}$	.4499	5.399	$3\frac{1}{8}$	9.296	111.6
$\frac{3}{4}$	.5354	6.425	$3\frac{1}{4}$	10.05	120.6
$\frac{13}{16}$	.6284	7.541	$3\frac{3}{8}$	10.84	130.1
$\frac{7}{8}$	.7288	8.746	$3\frac{1}{2}$	11.66	139.9
$\frac{15}{16}$	.8366	10.04	$3\frac{9}{16}$	12.08	145.0
<b>1</b>	.9519	11.42	$3\frac{3}{4}$	13.39	160.7
$1\frac{1}{16}$	1.075	12.90	<b>4</b>	15.23	182.8
$1\frac{1}{8}$	1.205	14.46	$4\frac{1}{16}$	15.71	188.5
$1\frac{3}{16}$	1.342	16.10	$4\frac{1}{4}$	17.19	206.3
$1\frac{1}{4}$	1.487	17.84	$4\frac{1}{2}$	19.28	231.4
$1\frac{5}{16}$	1.640	19.68	$4\frac{5}{8}$	20.36	244.3
$1\frac{3}{8}$	1.800	21.60	$4\frac{3}{4}$	21.48	257.8
$1\frac{7}{16}$	1.967	23.60	<b>5</b>	23.80	285.6
$1\frac{1}{2}$	2.142	25.70	$5\frac{1}{8}$	25.00	300.0
$1\frac{9}{16}$	2.324	27.89	$5\frac{1}{4}$	26.24	314.9
$1\frac{5}{8}$	2.514	30.17	$5\frac{1}{2}$	28.80	345.6
$1\frac{3}{4}$	2.915	34.98	<b>6</b>	34.27	411.2
$1\frac{7}{8}$	3.347	40.16	$6\frac{1}{4}$	37.18	446.2
<b>2</b>	3.808	45.70	$6\frac{1}{2}$	40.22	482.6
$2\frac{1}{16}$	4.049	48.59	<b>7</b>	46.64	559.7
$2\frac{1}{8}$	4.298	51.58			
$2\frac{1}{4}$	4.819	57.83			

**ALUMINUM ROUNDS**  
**6061-T6 6061-T651**



Under 3/4" — 6061-T6 3/4" and Over — 6061-T651

AMS-QQ-A-225/8 ASTM B 211

1/2" & Over — Identified

Stock Lengths: Up to 4 1/2" Incl. — 12 Ft.,

5" & Over — 8-12 Ft. Random

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/8	.0144	.1728	1	.9236	11.08	2 1/8	4.171	50.05
3/16	.0325	.3900	1 1/16	1.043	12.52	2 1/4	4.676	56.11
1/4	.0577	.6924	1 1/8	1.169	14.03	2 3/8	5.210	62.52
5/16	.0902	1.082	1 3/16	1.302	15.62	2 1/2	5.773	69.28
3/8	.1299	1.559	1 1/4	1.443	17.32	2 5/8	6.364	76.37
7/16	.1768	2.122	1 5/16	1.591	19.09	2 3/4	6.985	83.82
1/2	.2309	2.771	1 3/8	1.746	20.95	3	8.312	99.74
9/16	.2922	3.506	1 7/16	1.909	22.91	3 1/4	9.756	117.1
5/8	.3608	4.330	1 1/2	2.078	24.94	3 1/2	11.31	135.7
11/16	.4365	5.238	1 9/16	2.255	27.06	3 3/4	12.99	155.9
3/4	.5195	6.234	1 5/8	2.439	29.27	4	14.78	177.4
13/16	.6097	7.316	1 3/4	2.829	33.95	4 1/2	18.70	224.4
7/8	.7071	8.485	1 7/8	3.247	38.96	5 1/2	27.94	335.3
15/16	.8118	9.742	2	3.694	44.33			

**ALUMINUM ROUNDS**  
**6061-T6511 (Extruded)**



AMS-QQ-A-200/8 ASTM B 221 Identified

Stock Lengths: Up to 4 5/8" Incl. — 12 Ft.,

4 3/4" & Over — 8-12 Ft. Random

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Standard & Half Standard Tolerance — Pink

Special Tolerance—No Paint

Size in Inches	Lbs. per Ft.	Std. Tol.	Half Std. Tol.	Special Tol.*	Size in Inches	Lbs. per Ft.	Std. Tol.	Half Std. Tol.	Special Tol.*
1/4	.0577	..	±.005	..	2 5/8	6.364	..	±.008	±.008
5/16	.0902	..	±.005	..	2 3/4	6.985	..	±.008	±.008
3/8	.1299	..	±.005	±.0025	2 7/8	7.635	..	±.008	±.008
7/16	.1768	..	±.005	..	3	8.312	..	±.008	±.008
1/2	.2309	..	±.005	±.003	3 1/8	9.019	..	±.012	..
9/16	.2922	..	±.005	..	3 1/4	9.756	..	±.012	..
5/8	.3608	..	±.005	±.003	3 3/8	10.52	..	±.012	..
11/16	.4365	..	±.005	±.003	3 1/2	11.31	..	±.012	..
3/4	.5195	..	±.005	±.003	3 5/8	12.14	..	±.012	..
13/16	.6097	..	±.005	±.003	3 3/4	12.99	..	±.012	..
7/8	.7071	..	±.005	±.003	4	14.78	..	±.017	..
15/16	.8118	..	±.005	±.003	4 1/4	16.68	..	±.017	..
1	.9236	..	±.005	±.003	4 1/2	18.70	..	±.017	..
1 1/16	1.043	..	±.006	±.004	4 5/8	19.76	..	±.017	..
1 1/8	1.169	..	±.006	..	4 3/4	20.84	..	±.017	..
1 3/16	1.302	..	±.006	±.004	5	23.09	..	±.017	..
1 1/4	1.443	..	±.006	±.004	5 1/4	25.46	..	±.022	..
1 5/16	1.591	..	±.006	±.004	5 1/2	27.94	..	±.022	..
1 3/8	1.746	..	±.006	±.004	5 3/4	30.54	..	±.022	..
1 7/16	1.909	..	±.006	±.004	6	33.25	..	±.022	..
1 1/2	2.078	..	±.006	±.004	6 1/4	36.08	..	±.022	..
1 9/16	2.255	..	±.006	..	6 1/2	39.02	..	±.022	..
1 5/8	2.439	..	±.006	±.005	6 3/4	42.08	±.044	..	..
1 11/16	2.630	..	..	±.005	7	45.26	±.044	..	..
1 3/4	2.829	..	±.006	±.005	7 1/2	51.96	±.044	..	..
1 13/16	3.034	..	±.006	±.005	8	59.11	±.054	..	..
1 7/8	3.247	..	±.006	±.005	8 1/2	66.73	±.054	..	..
2	3.694	..	±.008	±.005	9+	74.81	±.054	..	..
2 1/8	4.171	..	±.008	±.008	10.13+	94.78	±.074	..	..
2 1/4	4.676	..	±.008	±.008	11+	111.8	±.074	..	..
2 3/8	5.210	..	±.008	±.008	12+	133.0	±.084	..	..
2 1/2	5.773	..	±.008	±.008					

\*Also Special Straightness

+6061-T6 Extruded



## ALUMINUM ROUNDS 6063-T5 (Extruded)

ASTM B 221

Not Identified

Stock Lengths 16 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: Purple

Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar
1/2	.2286	3.658	3/4	.5142	8.227
5/8	.3571	5.714	1	.9142	14.63



## ALUMINUM ROUNDS 6262-T6511 (Extruded)

ASTM B 221 \*

Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: White

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/2	.2309	2.771	1 7/16	1.908	22.90
9/16	.2922	3.506	1 1/2	2.078	24.94
5/8	.3608	4.330	1 5/8	2.439	29.27
11/16	.4365	5.238	1 3/4	2.829	33.95
3/4	.5195	6.234	1 13/16	3.034	36.41
13/16	.6097	7.316	1 7/8	3.247	38.96
7/8	.7071	8.485	2	3.694	44.33
15/16	.8118	9.742	2 1/8	4.171	50.05
1	.9236	11.08	2 1/4	4.676	56.11
1 1/16	1.043	12.52	2 3/8	5.210	62.52
1 1/8	1.169	14.03	2 1/2	5.773	69.28
1 3/16	1.296	15.55	2 3/4	6.985	83.82
1 1/4	1.443	17.32	3	8.312	99.74
1 5/16	1.591	19.09			
1 3/8	1.746	20.95			

\*Tolerances are half of standard

**ALUMINUM ROUNDS**

SCREW MACHINE STOCK

**6262-T9\***

ASTM B 211

1/2" & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition, Page 238 Mechanical Properties, Page 241

Identification Color: Orange



Size in Inches	Lbs. per Ft.	Est lbs 12' Bar	Size in Inches	Lbs. per Ft.	Est lbs 12' Bar
1/4	.0577	.6924	1 1/8	1.169	14.03
5/16	.0902	1.082	1 3/16	1.296	15.55
3/8	.1299	1.559	1 1/4	1.443	17.32
7/16	.1768	2.122	1 5/16	1.591	19.09
1/2	.2309	2.771	1 3/8	1.746	20.95
9/16	.2922	3.506	1 1/2	2.078	24.94
5/8	.3608	4.330	1 9/16	2.256	27.07
11/16	.4365	5.238	1 5/8	2.439	29.27
3/4	.5195	6.234	1 3/4	2.829	33.95
13/16	.6097	7.316	1 7/8	3.247	38.96
7/8	.7071	8.485	2	3.694	44.33
15/16	.8118	9.742	2 3/8	5.210	62.52
1	.9236	11.08	2 1/2	5.773	69.28
1 1/16	1.043	12.52	2 3/4	6.985	83.82
			3	8.312	99.74

\*6262-T6511, see page 170

**ALUMINUM ROUNDS**

**4032-T6 4032-T651**

Under 7/8" — 4032-T6

7/8" & Over — 4032-T651

Identified

Stock Lengths: 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Orange and White



Size in Inches	Lbs. per Ft.	Est lbs 12' Bar	Size in Inches	Lbs. per Ft.	Est lbs 12' Bar
1/2	.228	2.736	1	.911	10.93
5/8	.356	4.272	1 1/8	1.153	13.84
11/16	.454	5.453	2	3.694	44.33
7/8	.698	8.376			



## ALUMINUM HEXAGONS

SCREW MACHINE STOCK

### 2011-T3

ASTM B 211

$\frac{1}{2}$ " & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Brown

Size in Inches	Lbs. per Ft.	Est lbs 12' Bar	Size in Inches	Lbs. per Ft.	Est lbs 12' Bar
$\frac{1}{4}$	.0663	.7956	$\frac{7}{8}$	.8116	9.739
$\frac{5}{16}$	.1035	1.242	$\frac{15}{16}$	.9316	11.18
$\frac{3}{8}$	.1491	1.789	<b>1</b>	1.060	12.72
$\frac{7}{16}$	.2029	2.435	<b>1<math>\frac{1}{8}</math></b>	1.342	16.10
$\frac{1}{2}$	.2650	3.180	<b>1<math>\frac{1}{4}</math></b>	1.656	19.87
$\frac{9}{16}$	.3354	4.025	<b>1<math>\frac{3}{8}</math></b>	2.004	24.05
$\frac{5}{8}$	.4141	4.969	<b>1<math>\frac{1}{2}</math></b>	2.385	28.62
$\frac{3}{4}$	.5963	7.156	<b>1<math>\frac{3}{4}</math></b>	3.246	38.95
$\frac{13}{16}$	.6998	8.398			



## ALUMINUM HEXAGONS

SCREW MACHINE STOCK

### 2024-T4 2024-T351

Under  $\frac{5}{8}$ " — 2024-T4

$\frac{5}{8}$ " & Over — 2024-T351

AMS-QQ-A-225/6 ASTM B 211

$\frac{1}{2}$ " & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Red

Size in Inches	Lbs. per Ft.	Est lbs 12' Bar	Size in Inches	Lbs. per Ft.	Est lbs 12' Bar
$\frac{3}{16}$	.0369	.4428	$\frac{13}{16}$	.6850	8.220
$\frac{1}{4}$	.0656	.7872	$\frac{7}{8}$	.8036	9.643
$\frac{3}{8}$	.1476	1.771	<b>1</b>	1.050	12.60
$\frac{7}{16}$	.2009	2.411	<b>1<math>\frac{1}{8}</math></b>	1.328	15.94
$\frac{1}{2}$	.2624	3.149	<b>1<math>\frac{1}{4}</math></b>	1.640	19.68
$\frac{9}{16}$	.3321	3.985	<b>1<math>\frac{3}{8}</math></b>	1.984	23.81
$\frac{5}{8}$	.4100	4.920			

**ALUMINUM HEXAGONS**

SCREW MACHINE STOCK

**6061-T6 6061-T651**

Under 5/8" — 6061-T6

5/8" & Over — 6061-T651

AMS-QQ-A-225/8 ASTM B 211

1/2" & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue



Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/4	.0637	.7644	5/8	.3978	4.774
3/8	.1432	1.718	1 1/8	1.289	15.47

**ALUMINUM HEXAGONS**

**6061-T6511 (Extruded)**

AMS-QQ-A-200/8 ASTM B 221

Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Pink



Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/2 (±.005)	.2546	3.055	1 1/8 (±.006)	1.289	15.47
5/8 (±.005)	.3978	4.774	1 1/4 (±.006)	1.591	19.09
11/16 (±.005)	.481	5.772	1 3/8 (±.006)	1.925	23.10
3/4 (±.005)	.5729	6.875	1 1/2 (±.007)	2.291	27.49
7/8 (±.005)	.779	9.348	1 3/4 (±.007)	3.119	37.43
1 (±.006)	1.018	12.22	2 (±.008)	4.074	48.89

**ALUMINUM HEXAGONS**

SCREW MACHINE STOCK

**6262-T9**

ASTM B 211

Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Orange



Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
3/4	.5729	6.875	1	1.018	12.22
13/16	.6723	8.068	1 1/8	1.289	15.47



### ALUMINUM SQUARES 2017-T4 2017-T451

Under 1/2" — 2017-T4  
1/2" & Over — 2017-T451  
AMS-QQ-A-225/5 ASTM B 211  
1/2" & Over — Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*  
Identification Color: Yellow

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
3/8	.1704	2.045	1 1/2	2.727	32.72



### ALUMINUM SQUARES 2024-T4 2024-T351

Under 1/2" — 2024-T4  
1/2" & Over — 2024-T351  
AMS-QQ-A-225/6 ASTM B 211  
1/2" & Over — Identified

Stock Lengths: Up to 2" Inclusive — 12 Ft.

Over 2" — 8 to 12 Ft. Random

Chemical Composition and Mechanical Properties, *Pages 238-241*  
Identification Color: Red

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/4	.0758	.9096	1 3/4	3.712	44.54
3/8	.1704	2.045	2	4.848	58.18
1/2	.3030	3.636	2 1/4	6.136	73.63
9/16	.3835	4.602	2 1/2	7.575	90.90
5/8	.4734	5.681	2 3/4	9.166	110.0
3/4	.6818	8.182	3	10.91	130.9
7/8	.9279	11.13	3 1/4	12.80	153.6
1	1.212	14.54	3 1/2	14.85	178.2
1 1/8	1.534	18.41	4	19.39	232.7
1 1/4	1.894	22.73	5	29.40	352.8
1 1/2	2.727	32.72			



### ALUMINUM SQUARES 6063-T5 (Extruded)

ASTM B 221

Not Identified

Stock Lengths 16 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*  
Identification Color: Purple

Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar
3/8*	.1637	2.619	1	1.164	18.62
1/2	.2910	4.656	1 1/4**	1.819	29.10
5/8	.4547	7.275	2**	4.656	74.50
3/4	.6548	10.48			

\*6063-T52

\*\*Above specifications, chemistry only

**ALUMINUM SQUARES**  
**6061-T6511 (Extruded)**



AMS-QQ-A-200/8 ASTM B 221  
Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
1/2	.2940	3.528	1 3/4	3.600	43.20
5/8	.4600	5.508	2	4.704	56.45
3/4	.6615	7.938	2 1/2	7.350	88.20
7/8	.9010	10.81	2 3/4	8.893	106.72
1	1.176	14.11	3	10.58	127.0
1 1/4	1.838	22.06	3 1/2	14.41	172.9
1 1/2	2.646	31.75	4	18.82	225.8
1 5/8	3.108	37.30	5 1/2	35.57	426.8

**ALUMINUM SQUARES**  
**6061-T6511 (Extruded)**  
**MANIFOLD QUALITY**



Elevated Mechanical Properties  
Special Tolerance

1/2 Commercial Size to Oversize Thickness and Width

AMS-QQ-A-200/8 ASTM B 221  
Identified Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Plain Ends

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
2 (+.024)	4.761	57.13	4 (+.034)	18.98	227.8
2 1/4 (+.024)	6.017	72.20	4 1/2 (+.034)	23.99	287.9
2 1/2 (+.024)	7.421	89.05	5 (+.034)	29.60	355.2
3 (+.024)	10.67	128.0	5 1/2 (+.034)	35.79	429.5
3 1/2 (+.024)	14.50	174.0	6 (+.044)	42.65	511.8

**ALUMINUM SQUARES**  
**7075-T651**



AMS-QQ-A-225/9 ASTM B 211  
Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Black

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
3/4	.6818	8.182	1 3/4	3.712	44.54
1	1.212	14.54			



## ALUMINUM RECTANGLES

### 2024-T4 2024-T351

Under 1/2" Thick—2024-T4

1/2" Thick & Over—2024-T351

AMS-QQ-A-225/6 ASTM B 211

Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Red

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
<b>1/8</b> x <b>3/4</b>	.1136	1.363	<b>5/8</b> x <b>3/4</b>	.5681	6.817
<b>1</b>	.1515	1.818	<b>7/8</b>	.6628	7.954
<b>1 1/4</b>	.1894	2.273	<b>1</b>	.7575	9.090
<b>3/16</b> x <b>1/2</b>	.1136	1.363	<b>1 1/4</b>	.9469	11.36
<b>5/8</b>	.1420	1.704	<b>1 1/2</b>	1.136	13.63
<b>3/4</b>	.1704	2.045	<b>2</b>	1.515	18.18
<b>1</b>	.2273	2.728	<b>3/4</b> x <b>1</b>	.9090	10.91
<b>1 1/2</b>	.3409	4.091	<b>1 1/4</b>	1.136	13.63
<b>2</b>	.4545	5.454	<b>1 1/2</b>	1.364	16.37
<b>1/4</b> x <b>1/2</b>	.1515	1.818	<b>1 3/4</b>	1.591	19.09
<b>5/8</b>	.1894	2.273	<b>2</b>	1.818	21.82
<b>3/4</b>	.2273	2.728	<b>2 1/2</b>	2.273	27.28
<b>7/8</b>	.2651	3.181	<b>3</b>	2.727	32.72
<b>1</b>	.3030	3.636	<b>3 1/2</b>	3.182	38.18
<b>1 1/4</b>	.3788	4.546	<b>4</b>	3.636	43.63
<b>1 1/2</b>	.4545	5.454	<b>1</b> x <b>1 1/4</b>	1.515	18.18
<b>2</b>	.6060	7.272	<b>1 1/2</b>	1.818	21.82
<b>3</b>	.9090	10.91	<b>1 3/4</b>	2.121	25.45
<b>4</b>	1.212	14.54	<b>2</b>	2.424	29.09
<b>5/16</b> x <b>5/8</b>	.2367	2.840	<b>2 1/2</b>	3.030	36.36
<b>3/4</b>	.2841	3.409	<b>3</b>	3.636	43.63
<b>2</b>	.7575	9.090	<b>4*</b>	4.848	58.18
<b>3/8</b> x <b>3/4</b>	.3409	4.091	<b>5*</b>	6.060	72.72
<b>1</b>	.4545	5.454	<b>6*</b>	7.272	87.26
<b>1 1/2</b>	.6818	8.182	<b>1 1/4</b> x <b>1 1/2</b>	2.273	27.28
<b>2</b>	.9090	10.91	<b>2</b>	3.030	36.36
<b>2 1/2</b>	1.136	13.63	<b>2 1/2</b>	3.788	45.46
<b>3</b>	1.364	16.37	<b>3*</b>	4.545	54.54
<b>4</b>	1.818	21.82	<b>3 1/2*</b>	5.303	63.64
<b>6</b>	2.727	32.72	<b>1 1/2</b> x <b>2</b>	3.636	43.63
<b>1/2</b> x <b>5/8</b>	.3788	4.546	<b>2 1/2*</b>	4.545	54.54
<b>3/4</b>	.4545	5.454	<b>3*</b>	5.454	65.45
<b>7/8</b>	.5303	6.364	<b>4*</b>	7.272	87.26
<b>1</b>	.6060	7.272	<b>6*</b>	10.91	130.9
<b>1 1/4</b>	.7575	9.090	<b>1 3/4</b> x <b>3*</b>	6.360	76.32
<b>1 1/2</b>	.9090	10.91	<b>2</b> x <b>2 1/4*</b>	5.454	65.45
<b>1 3/4</b>	1.061	12.73	<b>2 1/2*</b>	6.060	72.72
<b>2</b>	1.212	14.54	<b>3 1/2*</b>	8.484	101.8
<b>2 1/2</b>	1.515	18.18	<b>4*</b>	9.696	116.4
<b>3</b>	1.818	21.82	<b>5*</b>	12.00	144.0
<b>4</b>	2.424	29.09	<b>6*</b>	14.54	174.5
<b>6</b>	3.636	43.63	<b>2 1/4</b> x <b>4*</b>	10.91	130.9
			<b>2 1/2</b> x <b>3*</b>	9.090	109.1
			<b>4*</b>	12.12	145.4
			<b>5*</b>	15.15	181.8
			<b>3</b> x <b>5*</b>	18.18	218.2
			<b>6*</b>	21.82	261.8
			<b>4</b> x <b>5</b>	24.24	290.9
			<b>6</b>	29.09	349.1

\*8 to 12 ft. random lengths

**ALUMINUM RECTANGLES**  
**6061-T6511 (Extruded)**



AMS-QQ-A-200/8 ASTM B 221

Identified

Stock Lengths 12 Ft. (Sharp Corners)

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

Size in Inches	Lbs. per Ft.	Size in Inches	Lbs. per Ft.	Size in Inches	Lbs. per Ft.
<b>1/8</b> x <b>3/4</b>	.1103	<b>1/2</b> x <b>2 1/2</b>	1.470	<b>1 1/4</b> <b>4</b>	5.880
<b>1</b>	.1470	<b>3</b>	1.764	<b>4 1/2</b>	6.615
<b>1 1/4</b>	.1838	<b>3 1/2</b>	2.058	<b>5 1/2</b>	8.085
<b>1 1/2</b>	.2205	<b>4</b>	2.352	<b>6</b>	8.820
<b>2</b>	.2940	<b>4 1/2</b>	2.646	<b>1 1/2</b> x <b>1 3/4</b>	3.087
<b>3/16</b> x <b>3/4</b>	.1654	<b>5</b>	2.940	<b>2</b>	3.528
<b>1</b>	.2205	<b>6</b>	3.528	<b>2 1/2</b>	4.410
<b>1 1/4</b>	.2756	<b>7</b>	4.116	<b>3</b>	5.292
<b>1 1/2</b>	.3308	<b>8</b>	4.704	<b>3 1/2</b>	6.174
<b>2</b>	.4410	<b>10</b>	5.880	<b>4</b>	7.056
<b>3</b>	.6615	<b>12</b>	7.056	<b>5</b>	8.820
<b>1/4</b> x <b>1/2</b>	.1470	<b>14</b>	8.232	<b>5 1/2</b>	9.702
<b>3/4</b>	.2205	<b>5/8</b> x <b>1</b>	.7350	<b>6</b>	10.58
<b>1</b>	.2940	<b>1 1/4</b>	.9180	<b>6 1/2</b>	11.47
<b>1 1/4</b>	.3675	<b>1 1/2</b>	1.103	<b>8</b>	14.11
<b>1 1/2</b>	.4410	<b>2</b>	1.470	<b>8 1/2</b>	14.99
<b>2</b>	.5880	<b>2 1/2</b>	1.838	<b>12</b>	21.17
<b>2 1/2</b>	.7350	<b>3</b>	2.205	<b>1 5/8</b> x <b>2</b>	3.828
<b>3</b>	.8820	<b>4</b>	2.940	<b>1 3/4</b> x <b>3 1/2</b>	7.203
<b>3 1/2</b>	1.032	<b>6</b>	4.410	<b>3 3/4</b>	7.718
<b>4</b>	1.176	<b>3/4</b> x <b>1</b>	.8820	<b>4 1/2</b>	9.261
<b>4 1/2</b>	1.320	<b>1 1/4</b>	1.103	<b>5 1/2</b>	11.32
<b>5</b>	1.470	<b>1 1/2</b>	1.323	<b>2</b> x <b>2 1/2</b>	5.880
<b>6</b>	1.764	<b>1 3/4</b>	1.544	<b>3</b>	7.056
<b>8</b>	2.352	<b>2</b>	1.764	<b>3 1/2</b>	8.232
<b>10</b>	2.940	<b>2 1/2</b>	2.205	<b>4</b>	9.408
<b>12</b>	3.528	<b>3</b>	2.646	<b>4 1/2</b>	10.58
<b>14</b>	4.116	<b>3 1/2</b>	3.087	<b>5</b>	11.76
<b>5/16</b> x <b>3/4</b>	.2756	<b>4</b>	3.528	<b>6 1/2</b>	15.29
<b>1</b>	.3675	<b>5</b>	4.416	<b>7</b>	16.46
<b>1 1/2</b>	.5513	<b>6</b>	5.292	<b>8</b>	18.82
<b>2</b>	.7350	<b>8</b>	7.056	<b>2 1/4</b> x <b>4</b>	10.58
<b>2 1/2</b>	.9188	<b>10</b>	8.820	<b>2 1/2</b> x <b>2 5/8</b>	7.718
<b>3</b>	1.103	<b>12</b>	10.58	<b>3</b>	8.820
<b>3/8</b> x <b>1/2</b>	.2205	<b>14</b>	12.35	<b>3 1/4</b>	9.555
<b>3/4</b>	.3308	<b>1</b> x <b>1 1/4</b>	1.470	<b>3 1/2</b>	10.29
<b>1</b>	.4410	<b>1 1/2</b>	1.764	<b>4</b>	11.76
<b>1 1/4</b>	.5513	<b>1 3/4</b>	2.058	<b>4 1/2</b>	13.23
<b>1 1/2</b>	.6615	<b>2</b>	2.352	<b>5</b>	14.70
<b>1 3/4</b>	.7680	<b>2 1/2</b>	2.940	<b>5 1/2</b>	16.17
<b>2</b>	.8820	<b>3</b>	3.528	<b>6</b>	17.64
<b>2 1/2</b>	1.103	<b>3 1/2</b>	4.116	<b>3</b> x <b>4</b>	14.11
<b>3</b>	1.323	<b>4</b>	4.704	<b>4 1/2</b>	15.87
<b>4</b>	1.764	<b>5</b>	5.880	<b>5</b>	17.64
<b>5</b>	2.205	<b>6</b>	7.056	<b>3 1/2</b> x <b>4</b>	16.46
<b>6</b>	2.646	<b>8</b>	9.408	<b>4 1/2</b>	18.52
<b>8</b>	3.628	<b>10</b>	11.76	<b>5</b>	20.58
<b>10</b>	4.410	<b>12</b>	14.11	<b>6</b>	24.70
<b>12</b>	5.292	<b>1 1/4</b> x <b>1 1/2</b>	2.205	<b>4</b> x <b>4 1/2</b>	21.17
<b>1/2</b> x <b>3/4</b>	.4410	<b>1 3/4</b>	2.573	<b>6</b>	28.22
<b>1</b>	.5880	<b>2</b>	2.940	<b>4 1/2</b> x <b>5</b>	26.46
<b>1 1/4</b>	.7320	<b>2 1/2</b>	3.675	<b>5</b> x <b>5 1/2</b>	32.34
<b>1 1/2</b>	.8820	<b>3</b>	4.410	<b>7</b>	41.16
<b>1 3/4</b>	1.029	<b>3 1/2</b>	5.145		
<b>2</b>	1.176	<b>3 3/4</b>	5.513		



## ALUMINUM RECTANGLES 6061-T6511 (Extruded) MANIFOLD QUALITY

Elevated Mechanical Properties  
Special Tolerance

1/2 Commercial Size to Oversize Thickness and Width

AMS-QQ-A-200/8 ASTM B 221  
Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241  
Identification Color: Plain Ends

	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	
<b>1</b>	(+.012) x <b>1</b> <sup>1</sup> / <sub>2</sub> (+.014)	1.782	21.39	
	<b>2</b> (+.024)	2.380	28.56	
	<b>3</b> <sup>1</sup> / <sub>2</sub> (+.024)	4.155	49.86	
<b>1</b> <sup>1</sup> / <sub>4</sub> (+.012) x	<b>2</b> <sup>1</sup> / <sub>2</sub> (+.024)	3.710	44.52	
	<b>5</b> (+.034)	7.35	88.20	
<b>1</b> <sup>1</sup> / <sub>2</sub> (+.014) x	<b>2</b> (+.024)	3.566	42.79	
	<b>3</b> (+.024)	5.338	64.06	
	<b>4</b> (+.034)	7.119	85.43	
<b>2</b> (+.024) x	<b>2</b> <sup>1</sup> / <sub>2</sub> (+.024)	5.944	71.32	
	<b>3</b> (+.024)	7.127	85.52	
	<b>3</b> <sup>1</sup> / <sub>2</sub> (+.024)	8.310	99.72	
	<b>4</b> (+.034)	9.505	114.1	
	<b>5</b> (+.034)	11.76	141.1	
	<b>6</b> (+.044)	14.25	171.0	
<b>2</b> <sup>1</sup> / <sub>2</sub> (+.024) x	<b>3</b> (+.024)	8.898	106.8	
	<b>3</b> <sup>1</sup> / <sub>4</sub> (+.024)	9.666	116.0	
	<b>3</b> <sup>1</sup> / <sub>2</sub> (+.024)	10.37	124.4	
	<b>4</b> (+.034)	11.87	142.4	
	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034)	13.34	160.1	
	<b>5</b> (+.034)	14.82	177.8	
	<b>6</b> (+.044)	17.79	213.5	
<b>3</b> (+.024) x	<b>3</b> <sup>1</sup> / <sub>2</sub> (+.024)	12.44	149.3	
	<b>4</b> (+.034)	14.23	170.8	
	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034)	16.00	192.0	
	<b>5</b> (+.034)	17.77	213.2	
	<b>6</b> (+.044)	21.33	256.0	
	<b>3</b> <sup>1</sup> / <sub>2</sub> (+.024) x	<b>4</b> (+.034)	16.59	199.1
<b>4</b> (+.034) x	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034)	18.66	223.9	
	<b>5</b> (+.034)	20.72	248.6	
	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034) x	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034)	21.34	256.1
	<b>5</b> (+.034)	23.70	284.4	
	<b>6</b> (+.044)	28.45	341.4	
	<b>7</b> (+.044)	33.17	398.0	
	<b>4</b> <sup>1</sup> / <sub>2</sub> (+.034) x	<b>5</b> (+.034)	26.65	319.8
<b>5</b> (+.034) x	<b>5</b> <sup>1</sup> / <sub>2</sub> * (+.034)	29.31	351.7	
	<b>6</b> (+.044)	31.99	383.9	
	<b>6</b> (+.044) x	<b>6</b> (+.044)	36.61	439.3
	<b>7</b> (+.044)	41.43	497.2	
	<b>8</b> ** (+.054)	47.36	568.3	
<b>6</b> (+.044) x	<b>6</b> <sup>1</sup> / <sub>2</sub> (+.044)	46.29	555.5	
	<b>7</b> (+.044)	49.73	596.8	

\*146" length

\*\*147" length

**ALUMINUM RECTANGLES**  
**6063-T5 6063-T52 (Extruded)**



Under 1/2" Thick—6063-T52

1/2" Thick & Over—6063-T5

ASTM B 221

Not Identified

Stock Lengths 16 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Purple

Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 16' Bar	
<b>1/8</b> x <b>1/2</b>	.0728	1.165	<b>1/4</b> x <b>2</b>	.5820	9.312	
	<b>5/8</b> .0909	1.454		<b>2 1/2</b> .7275	11.64	
	<b>3/4</b> .1091	1.746		<b>3</b> .8730	13.97	
	<b>1</b> .1455	2.328		<b>3 1/2</b> 1.018	16.29	
	<b>1 1/4</b> .1819	2.910		<b>4</b> 1.164	18.62	
	<b>1 1/2</b> .2183	3.493		<b>3/8</b> x <b>5/8</b>	.2728	4.365
	<b>1 3/4</b> .2546	4.074			<b>3/4</b> .3274	5.238
	<b>2</b> .2910	4.656			<b>1</b> .4365	6.984
<b>3/16</b> x <b>1/2</b>	.1091	1.746	<b>1 1/4</b> .5456		8.730	
	<b>3/4</b> .1637	2.619	<b>1 1/2</b> .6548	10.48		
	<b>1</b> .2183	3.493	<b>2</b> .8730	13.97		
	<b>1 1/4</b> .2728	4.365	<b>3</b> 1.310	20.96		
	<b>1 1/2</b> .3274	5.238	<b>1/2</b> x <b>3/4</b>	.4365	6.984	
	<b>2</b> .4365	6.984		<b>1</b> .5820	9.312	
	<b>2 1/2</b> .5456	8.730		<b>1 1/2</b> .8730	13.97	
	<b>3</b> .6565	10.50		<b>2</b> 1.164	18.62	
<b>1/4</b> x <b>1/2</b>	.1455	2.328	<b>2 1/2</b> 1.455	23.28		
	<b>5/8</b> .1819	2.910	<b>3</b> 1.746	27.94		
	<b>3/4</b> .2183	3.493	<b>3/4</b> x <b>1 1/2</b>	1.310	20.96	
	<b>1</b> .2910	4.656		<b>2</b> 1.746	27.94	
	<b>1 1/4</b> .3638	5.821		<b>1</b> x <b>1 1/2</b> 1.746	27.94	
	<b>1 1/2</b> .4365	6.984		<b>2</b> 2.328	37.25	
	<b>1 3/4</b> .5093	8.149				

**ALUMINUM RECTANGLES**

**7075-T6 7075-T651**



Under 1/2" Thick—7075-T6

1/2" Thick & Over—7075-T651

AMS-QQ-A-225/9 ASTM B 211

Identified

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Black

Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar	Size in Inches	Lbs. per Ft.	Est. Lbs. 12' Bar
<b>3/8</b> x <b>1</b>	.4545	5.454	<b>1</b> x <b>4*</b>	4.848	58.18
<b>1</b> x <b>1 3/4</b>	2.121	25.45	<b>1 1/4</b> x <b>3*</b>	4.545	54.54
	<b>2</b> 2.424	29.09	<b>1 1/2</b> x <b>4*</b>	7.272	87.26

\*8 to 12 ft. random lengths



## ALUMINUM BUS BARS 6101-T61 (Extruded)

ASTM B 317 Type B

Not Identified

Stock Lengths 20 Ft. ( $1/16$ " Radius on Corners)

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Pink

Size in Inches	Lbs. per Ft.	Est. Lbs. 20' Bar
<b>1/4 x 2</b>	.5820	11.64
<b>3</b>	.8730	17.46
<b>4</b>	1.164	23.28
<b>6</b>	1.746	34.92
<b>1/2 x 3</b>	1.746	34.92



## ALUMINUM ROUND WIRE IN COILS

Coil Sizes

.100" and Under — 60 lb. cwc

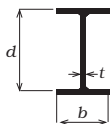
.101" and Larger — 120 lb. cwc

### 1100-O

ASTM B 211

Chemical Composition and Mechanical Properties, Pages 238-241

Size in Inches	Lbs. per Ft.
<b>.051</b>	.0024
<b>.064</b>	.0038
<b>.081</b> .....	.0061
<b>.102</b>	.0096
<b>.125</b> .....	.0144



## ALUMINUM BEAMS AMERICAN STANDARD WIDE FLANGE 6061-T6 (Extruded)

AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Identified

Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

Depth <i>d</i> In.		Flange <i>b</i> In.	Web <i>t</i> In.	Lbs. per Ft.
<b>4</b>	<b>x</b>	<b>4*</b>	<b>.313</b>	4.758
<b>5</b>	<b>x</b>	<b>5*</b>	<b>.313</b>	6.444
<b>6</b>	<b>x</b>	<b>4</b>	<b>.230</b>	4.161
<b>6</b>	<b>x</b>	<b>6</b>	<b>.240</b>	5.401
<b>8</b>	<b>x</b>	<b>8</b>	<b>.288</b>	10.73

\*H Beam

**ALUMINUM ANGLES**  
**AMERICAN STANDARD**  
**6061-T6 (Extruded)\***



AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Identified

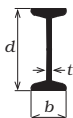
Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

Size in Inches	t	Lbs. per Ft.	Size in Inches	t	Lbs. per Ft.
3/4 x 3/4 x 1/8		.2011	2 1/2 x 2 1/2 x 5/16		1.729
1 x 1 x 1/8		.2752		3/8	2.047
	3/16	.3998	3 x 2 x 3/16		1.071
	1/4	.5139		1/4	1.403
1 1/4 x 1 1/4 x 1/8		.3434		3/8	2.047
	3/16	.5104	3 x 2 1/2 x 1/4		1.537
	1/4	.6562	3 x 3 x 3/16		1.275
1 1/2 x 1 1/4 x 1/8		.3869		1/4	1.684
	3/16	.5657		5/16	2.082
	1/4	.7338		3/8	2.550
1 1/2 x 1 1/2 x 1/8		.4234		1/2	3.227
	3/16	.6221	3 1/2 x 2 1/2 x 1/4		1.684
	1/4	.8091		3/8	2.474
1 3/4 x 1 1/4 x 3/16		.6209	3 1/2 x 3 1/2 x 1/4		1.989
	1/4	.8091		5/16	2.461
1 3/4 x 1 3/4 x 3/16		.7315	4 x 3 x 1/4		1.989
	1/4	.9561		3/8	2.926
2 x 1 1/2 x 1/8		.4963	4 x 4 x 1/4		2.283
	3/16	.7315		3/8	3.366
	1/4	.9561		1/2	4.414
2 x 2 x 1/8		.5774	5 x 3 x 3/8		3.349
	3/16	.8502	5 x 3 1/2 x 1/2		4.704
	1/4	1.110	5 x 5 x 3/8		4.237
	3/8	1.606		1/2	5.578
2 1/2 x 2 x 3/16		.9608	6 x 3 1/2 x 3/8		4.038
	1/4	1.257	6 x 4 x 3/8		4.237
2 1/2 x 2 1/2 x 3/16		1.070		1/2	5.578
	1/4	1.404	6 x 6 x 3/8		5.120
				1/2	6.754
			8 x 8 x 1/2		9.141

\*For Architectural Angles, see page 189



## ALUMINUM I BEAMS AMERICAN STANDARD 6061-T6 (Extruded)

AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Identified

Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: Blue

Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Lbs. per Ft.	Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Lbs. per Ft.
<b>3</b> x <b>2.330</b>	<b>.170</b>	1.963	<b>5</b> x <b>3.284</b>	<b>.494</b>	5.100		
<b>3</b> x <b>2.509</b>	<b>.349</b>	2.591	<b>6</b> x <b>3.330</b>	<b>.230</b>	4.302		
<b>4</b> x <b>2.660</b>	<b>.190</b>	2.645	<b>6</b> x <b>3.443</b>	<b>.343</b>	5.099		
<b>4</b> x <b>2.796</b>	<b>.326</b>	3.283	<b>8</b> x <b>4.000</b>	<b>.270</b>	6.350		
<b>5</b> x <b>3.000</b>	<b>.210</b>	3.430	<b>10</b> x <b>4.660</b>	<b>.310</b>	8.761		



## ALUMINUM CHANNELS AMERICAN STANDARD 6061-T6 (Extruded)

AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Identified

Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, *Pages 238-241*

Identification Color: Blue

Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Lbs. per Ft.	Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Lbs. per Ft.
<b>3</b> x <b>1.410</b>	<b>.170</b>	1.417	<b>6</b> x <b>2.034</b>	<b>.314</b>	3.632		
<b>3</b> x <b>1.498</b>	<b>.258</b>	1.729	<b>6</b> x <b>2.157</b>	<b>.438</b>	4.505		
<b>3</b> x <b>1.596</b>	<b>.356</b>	2.075	<b>7</b> x <b>2.110</b>	<b>.230</b>	3.541		
<b>4</b> x <b>1.580</b>	<b>.180</b>	1.846	<b>8</b> x <b>2.290</b>	<b>.250</b>	4.252		
<b>4</b> x <b>1.647</b>	<b>.247</b>	2.162	<b>8</b> x <b>2.527</b>	<b>.487</b>	6.485		
<b>4</b> x <b>1.720</b>	<b>.320</b>	2.504	<b>9</b> x <b>2.430</b>	<b>.230</b>	4.604		
<b>5</b> x <b>1.750</b>	<b>.190</b>	2.316	<b>10</b> x <b>2.600</b>	<b>.240</b>	5.278		
<b>5</b> x <b>1.885</b>	<b>.325</b>	3.108	<b>10</b> x <b>2.886</b>	<b>.526</b>	8.640		
<b>5</b> x <b>2.032</b>	<b>.472</b>	3.975	<b>12</b> x <b>2.960</b>	<b>.300</b>	7.411		
<b>6</b> x <b>1.920</b>	<b>.200</b>	2.826	<b>12</b> x <b>3.047</b>	<b>.387</b>	8.639		
<b>6</b> x <b>1.945</b>	<b>.225</b>	3.002	<b>12</b> x <b>3.170</b>	<b>.510</b>	10.38		

For Architectural Channels, see *page 189*

**ALUMINUM I BEAMS**  
**ALUMINUM ASSOCIATION**  
**6061-T6 (Extruded)**

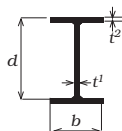
AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue



Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Web <i>t</i> <sup>2</sup> In.	Lbs. per Ft.	Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> <sup>2</sup> In.	Web <i>t</i> <sup>2</sup> In.	Lbs. per Ft.
<b>3</b>	<b>2.5</b>	<b>.150</b>	.260	2.030	<b>7</b>	<b>4.5</b>	<b>.230</b>	.380	5.799
<b>4</b>	<b>3.0</b>	<b>.170</b>	.290	2.793	<b>8</b>	<b>5.0</b>	<b>.230</b>	.350	6.181
<b>5</b>	<b>3.5</b>	<b>.190</b>	.320	3.700	<b>8</b>	<b>5.0</b>	<b>.250</b>	.410	7.023
<b>6</b>	<b>4.0</b>	<b>.190</b>	.290	4.030	<b>10</b>	<b>6.0</b>	<b>.250</b>	.410	8.647
<b>6</b>	<b>4.0</b>	<b>.210</b>	.350	4.692	<b>12</b>	<b>7.0</b>	<b>.310</b>	.620	14.29

**ALUMINUM CHANNELS**  
**ALUMINUM ASSOCIATION**  
**6061-T6 (Extruded)†**

AMS-QQ-A-200/8 (Except for Marking)

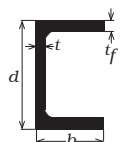
ASTM B 221 ASTM B 308

Identified

Stock Lengths 25 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue



Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Flange Thickness <i>t<sub>f</sub></i> In.	Lbs. per Ft.	Depth <i>d</i> In.	Flange <i>b</i> In.	Web <i>t</i> In.	Flange Thickness <i>t<sub>f</sub></i> In.	Lbs. per Ft.
<b>2</b>	<b>1.00</b>	<b>.13</b>	.13	.5774	<b>6</b>	<b>3.25</b>	<b>.21</b>	.35	4.030
<b>2</b>	<b>1.25</b>	<b>.17</b>	.26	1.071	<b>7</b>	<b>3.50</b>	<b>.21</b>	.38	4.715
<b>3</b>	<b>1.50</b>	<b>.13</b>	.20	1.135	<b>8</b>	<b>3.00</b>	<b>.19</b>	.35	4.147
<b>3</b>	<b>1.75</b>	<b>.17</b>	.26	1.597	<b>8</b>	<b>3.75</b>	<b>.25</b>	.41	5.789
<b>4</b>	<b>2.00</b>	<b>.15</b>	.23	1.738	<b>9</b>	<b>3.25</b>	<b>.23</b>	.35	4.982
<b>4</b>	<b>2.25</b>	<b>.19</b>	.29	2.331	<b>10</b>	<b>3.50</b>	<b>.25</b>	.41	6.138
<b>5</b>	<b>2.25</b>	<b>.15</b>	.26	2.212	<b>10</b>	<b>4.25</b>	<b>.31</b>	.50	8.359
<b>5</b>	<b>2.75</b>	<b>.19</b>	.32	3.089	<b>12</b>	<b>4.00</b>	<b>.29</b>	.47	8.274
<b>6</b>	<b>2.50</b>	<b>.17</b>	.29	2.834					

**ALUMINUM TEES AND ZEES**  
**6061-T6 (Extruded)†**

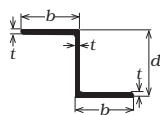
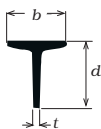
AMS-QQ-A-200/8 (Except for Marking)

ASTM B 221 ASTM B 308

Identified

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue



**TEES**

Stock Lengths 22 Ft.

**ZEES**

Stock Lengths 25 Ft.

Die No.	Size Inches	Stem <i>d</i>	Flange Inches <i>b</i>	Thickness Inches <i>t</i>	Lbs. per Ft.	Web Inches <i>d</i>	Thickness Inches <i>t</i>	Flange Inches <i>b</i>	Lbs. per Ft.
83490	<b>1 1/4</b>		<b>1 1/2</b>	<b>1/8</b>	.4351	<b>3</b>	<b>1/4</b>	<b>2 11/16</b>	2.333
72290	<b>1 1/2</b>		<b>1 1/2</b>	<b>3/16</b>	.6821	<b>3**</b>	<b>3/8</b>	<b>2 11/16</b>	3.381
18143	<b>1 1/2</b>		<b>1 1/2</b>	<b>1/4</b>	.8702				
	<b>* 2</b>		<b>2</b>	<b>1/4</b>	1.260				
	<b>* 3</b>		<b>3</b>	<b>3/8</b>	2.717				

\*25 ft.

\*\*30 ft.

† For Architectural Shapes, see page 190



## ALUMINUM ROUND TUBING DRAWN SEAMLESS

### 3003-H14

Not Identified

Normally Produced to O.D. and Wall Dimensions

AMS-WW-T-700/2 ASTM B 210 AMS 4067

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Pink

O.D.		Gage	Wall	I.D.	Lbs. per Ft.
<b>1/4</b>	x	20	<b>.035</b>	.180	.0281
<b>3/8</b>	x	22	<b>.028</b>	.319	.0363
		20	<b>.035</b>	.305	.0444
<b>1/2</b>	x	20	<b>.035</b>	.430	.0607
		18	<b>.049</b>	.402	.0825
		16	<b>.065</b>	.370	.1055
<b>5/8</b>	x	22	<b>.028</b>	.569	.0624
		20	<b>.035</b>	.555	.0771
		18	<b>.049</b>	.527	.1053
		16	<b>.065</b>	.495	.1359
<b>3/4</b>	x	20	<b>.035</b>	.680	.0934
		18	<b>.049</b>	.652	.1282
		16	<b>.065</b>	.620	.1662
<b>7/8</b>	x	18	<b>.049</b>	.777	.1511
		16	<b>.065</b>	.745	.1965
<b>1</b>	x	20	<b>.035</b>	.930	.1261
		18	<b>.049</b>	.902	.1739
		17	<b>.058</b>	.884	.2039
		16	<b>.065</b>	.870	.2268
<b>1 1/8</b>	x	17	<b>.058</b>	1.009	.2310
<b>1 1/4</b>	x	20	<b>.035</b>	1.180	.1587
		16	<b>.065</b>	1.120	.2875
<b>1 1/2</b>	x	20	<b>.035</b>	1.430	.1914
		18	<b>.049</b>	1.402	.2654
		17	<b>.058</b>	1.384	.3121
		16	<b>.065</b>	1.370	.3481
<b>1 3/4</b>	x	20	<b>.035</b>	1.680	.2240
		16	<b>.065</b>	1.620	.4088
<b>2</b>	x	20	<b>.035</b>	1.930	.2567
		16	<b>.065</b>	1.870	.4694
<b>2 1/2</b>	x	16	<b>.065</b>	2.370	.5907
<b>3</b>	x	16	<b>.065</b>	2.870	.7120

**ALUMINUM ROUND TUBING  
DRAWN SEAMLESS**



**6061-T6**

Under 1/2" — Not Identified  
1/2" and Over — Identified

Normally Produced to O.D. and Wall Dimensions  
AMS-WW-T-700/6 ASTM B 210 AMS 4082

Stock Lengths 12 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241  
Identification Color: Blue

O.D.	Gage	Wall	I.D.	Lbs. per Ft.	O.D.	Gage	Wall	I.D.	Lbs. per Ft.
<b>3/16</b>	x 20	<b>.035</b>	.118	.0197	<b>1</b>	x 17	<b>.058</b>	.884	.2019
<b>1/4</b>	x 18	<b>.049</b>	.152	.0364		16	<b>.065</b>	.870	.2245
	17	<b>.058</b>	.134	.0411		14	<b>.083</b>	.834	.2812
<b>5/16</b>	x 20	<b>.035</b>	.243	.0359		1/8	<b>.125</b>	.750	.4041
	18	<b>.049</b>	.215	.0477	<b>1 1/8</b>	x 20	<b>.035</b>	1.055	.1409
	17	<b>.058</b>	.197	.0545		17	<b>.058</b>	1.009	.2286
<b>3/8</b>	x 20	<b>.035</b>	.305	.0440	<b>1 1/4</b>	x 20	<b>.035</b>	1.180	.1571
	18	<b>.049</b>	.277	.0590		18	<b>.049</b>	1.152	.2174
	17	<b>.058</b>	.259	.0679		17	<b>.058</b>	1.134	.2554
	16	<b>.065</b>	.245	.0744		16	<b>.065</b>	1.120	.2846
<b>7/16</b>	x 18	<b>.049</b>	.340	.0703		14	<b>.083</b>	1.084	.3579
	16	<b>.065</b>	.308	.0895	<b>1 3/8</b>	x 20	<b>.035</b>	1.305	.1733
<b>1/2</b>	x 22	<b>.028</b>	.444	.0488		18	<b>.049</b>	1.277	.2400
	20	<b>.035</b>	.430	.0601		17	<b>.058</b>	1.259	.2822
	18	<b>.049</b>	.402	.0816	<b>1 1/2</b>	x 20	<b>.035</b>	1.430	.1894
	17	<b>.058</b>	.384	.0947		18	<b>.049</b>	1.402	.2627
	16	<b>.065</b>	.370	.1045		17	<b>.058</b>	1.384	.3090
	11	<b>.120</b>	.260	.1685		16	<b>.065</b>	1.370	.3446
<b>5/8</b>	x 20	<b>.035</b>	.555	.0763		14	<b>.083</b>	1.334	.4345
	18	<b>.049</b>	.527	.1043	<b>1 5/8</b>	x 20	<b>.035</b>	1.555	.2056
	17	<b>.058</b>	.509	.1215		17	<b>.058</b>	1.509	.3358
	16	<b>.065</b>	.495	.1345	<b>1 3/4</b>	x 17	<b>.058</b>	1.634	.3626
<b>3/4</b>	x 20	<b>.035</b>	.680	.0925		14	<b>.083</b>	1.584	.5112
	18	<b>.049</b>	.652	.1269	<b>1 7/8</b>	x 17	<b>.058</b>	1.759	.3893
	17	<b>.058</b>	.634	.1483	<b>2</b>	x 18	<b>.049</b>	1.902	.3532
	16	<b>.065</b>	.620	.1645		17	<b>.058</b>	1.884	.4161
	14	<b>.083</b>	.584	.2045		16	<b>.065</b>	1.870	.4647
<b>7/8</b>	x 20	<b>.035</b>	.805	.1086		14	<b>.083</b>	1.834	.5878
	18	<b>.049</b>	.777	.1495	<b>2 1/4</b>	x 18	<b>.049</b>	2.152	.3984
	17	<b>.058</b>	.759	.1751		16	<b>.065</b>	2.120	.5247
	16	<b>.065</b>	.745	.1945		14	<b>.083</b>	2.084	.6645
<b>1</b>	x 20	<b>.035</b>	.930	.1248	<b>2 1/2</b>	x 16	<b>.065</b>	2.370	.5847
	18	<b>.049</b>	.902	.1722	<b>3</b>	x 16	<b>.065</b>	2.870	.7048
						14	<b>.083</b>	2.834	.8945
					<b>4</b>	x 16	<b>.065</b>	3.870	.9450



## ALUMINUM ROUND TUBING EXTRUDED SEAMLESS

### 6061-T6511

Identified

AMS-QQ-A-200/8 ASTM B 221

Stock Lengths 12 and 24 Ft.

Chemical Composition and Mechanical Properties, Pages 238-241

Identification Color: Blue

O.D.	Wall	I.D.	Lbs. per Ft.	O.D.	Wall	I.D.	Lbs. per Ft.
<b>1 1/2</b> x	<b>1/8</b>	<b>1.250</b>	.6350	<b>4</b> x	<b>1/8</b>	<b>3.750</b>	1.788
	<b>1/4</b>	<b>1.000</b>	1.155		<b>1/4</b>	<b>3.500</b>	3.464
<b>1 3/4</b> x	<b>1/4</b>	<b>1.250</b>	1.375		<b>1/2</b>	<b>3.000</b>	6.465
	<b>1/8</b>	<b>1.750</b>	.8659		<b>3/4</b>	<b>2.500</b>	9.005
<b>2</b> x	<b>1/4</b>	<b>1.500</b>	1.616	<b>4 1/2</b> x	<b>1/2</b>	<b>3.500</b>	7.389
	<b>1/2</b>	<b>1.250</b>	3.233		<b>3/4</b>	<b>3.000</b>	10.39
<b>2 1/2</b> x	<b>1/8</b>	<b>2.250</b>	1.097	<b>5</b> x	<b>1/2</b>	<b>4.000</b>	8.313
	<b>1/4</b>	<b>2.000</b>	2.078		<b>3/4</b>	<b>3.500</b>	11.78
	<b>1/2</b>	<b>1.500</b>	3.695		<b>1</b>	<b>3.000</b>	14.78
<b>2 3/4</b> x	<b>1/2</b>	<b>1.750</b>	4.152	<b>5 1/2</b> x	<b>1/2</b>	<b>4.500</b>	9.236
	<b>5/8</b>	<b>1.500</b>	4.907		<b>3/4</b>	<b>4.000</b>	13.16
	<b>3/4</b>	<b>1.250</b>	5.542		<b>1</b>	<b>3.500</b>	16.63
<b>3</b> x	<b>1/8**</b>	<b>2.750</b>	1.328	<b>6</b> x	<b>1/2</b>	<b>5.000</b>	10.16
	<b>1/4</b>	<b>2.500</b>	2.540		<b>3/4</b>	<b>4.500</b>	14.55
	<b>1/2</b>	<b>2.000</b>	4.618		<b>1*</b>	<b>4.000</b>	18.47
	<b>3/4</b>	<b>1.500</b>	6.234		<b>6 1/2</b> x	<b>1</b>	<b>4.500</b>
<b>3 1/4</b> x	<b>3/8</b>	<b>2.500</b>	3.983	<b>7</b> x	<b>1/2</b>	<b>6.000</b>	12.01
	<b>1/2</b>	<b>2.250</b>	5.080		<b>1*</b>	<b>5.000</b>	22.17
<b>3 1/2</b> x	<b>1/2</b>	<b>2.500</b>	5.542	<b>8</b> x	<b>1/4</b>	<b>7.500</b>	7.158
	<b>3/4</b>	<b>2.000</b>	7.620		<b>1*</b>	<b>6.000</b>	25.86
<b>3 3/4</b> x	<b>1/2</b>	<b>2.750</b>	6.004				

\*12 ft. lengths only

\*\*Also available Extruded Structural



## ALUMINUM ROUND PIPE

### 6063-T6

#### Schedule 40

Under 1" — Welded - ASTM B 221

1" & Over — Extruded Seamless - ASTM B 241

Identified

Chemical Composition and Mechanical Properties, Pages 238-241

Stock Lengths 20 Ft. Identification Color: Yellow

Nominal Size	O.D.	I.D.	Wall	Lbs. per Ft.
<b>1/2*</b>	.840	.622	.109	.2914
<b>3/4*</b>	1.050	.824	.113	.3872
<b>1</b>	1.315	1.049	.133	.5749
<b>1 1/4†</b>	1.660	1.380	.140	.7782
<b>1 1/2†</b>	1.900	1.610	.145	.9306
<b>2</b>	2.375	2.067	.154	1.251
<b>2 1/2</b>	2.875	2.469	.203	1.984
<b>4</b>	4.500	4.026	.237	3.733

\* Not Identified

† Also Handrail Pipe, Not Identified, Plain Ends

**ALUMINUM ROUND PIPE****6061-T6  
Schedule 40**

Under 1" — Drawn Seamless  
 1" & Over — Extruded Seamless  
 ASTM B 241  
 Identified

Chemical Composition and Mechanical Properties, *Pages 238-241*  
 Stock Lengths 20 Ft. Identification Color: Blue

Nominal Size	O.D.	I.D.	Wall	Lbs. per Ft.
<b>1/8*</b>	.405	.269	.068	.0847
<b>1/4*</b>	.540	.364	.088	.1470
<b>3/8*</b>	.675	.493	.091	.1963
<b>1/2</b>	.840	.622	.109	.2944
<b>3/4</b>	1.050	.824	.113	.3912
<b>1</b>	1.315	1.049	.133	.5808
<b>1 1/4</b>	1.660	1.380	.140	.7862
<b>1 1/2</b>	1.900	1.610	.145	.9402
<b>2</b>	2.375	2.067	.154	1.264
<b>2 1/2</b>	2.875	2.469	.203	2.004
<b>3</b>	3.500	3.068	.216	2.621
<b>3 1/2</b>	4.000	3.548	.226	3.151
<b>4</b>	4.500	4.026	.237	3.733
<b>5</b>	5.563	5.047	.258	5.057
<b>6</b>	6.625	6.065	.280	6.564
<b>8</b>	8.625	7.981	.322	9.878

\*12 ft. lengths

**ALUMINUM ROUND PIPE****6061-T6  
Schedule 80**

Extruded Seamless  
 ASTM B 241  
 Identified

Chemical Composition and Mechanical Properties, *Pages 238-241*  
 Stock Lengths 20 Ft. Identification Color: Purple

Nominal Size	O.D.	I.D.	Wall	Lbs. per Ft.
<b>1</b>	1.315	.957	.179	.7513
<b>1 1/4</b>	1.660	1.278	.191	1.037
<b>1 1/2</b>	1.900	1.500	.200	1.256
<b>2</b>	2.375	1.939	.218	1.737
<b>2 1/2</b>	2.875	2.323	.276	2.650
<b>3</b>	3.500	2.900	.300	3.547
<b>3 1/2</b>	4.000	3.364	.318	4.326
<b>4</b>	4.500	3.826	.337	5.183
<b>5</b>	5.563	4.813	.375	7.188

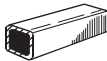


## ALUMINUM EXTRUDED ROUND STRUCTURAL PIPE 6061-T6

ASTM B 429

Chemical Composition and Mechanical Properties, Pages 238-241  
Stock Lengths 20 Ft. Identification Color: Plain Ends

Nominal Size	Schedule	O.D.	I.D.	Wall	Lbs. Per Ft.	Nominal Size	Schedule	O.D.	I.D.	Wall	Lbs. Per Ft.
1/2	40	.840	.622	.109	.2944	2	40	2.375	2.067	.154	1.264
3/4	40	1.050	.824	.113	.3912	2	80	2.375	1.939	.218	1.737
1	40	1.315	1.049	.133	.5808	2 1/2	40	2.875	2.469	.203	2.004
1 1/4	40	1.660	1.380	.140	.7862	3	40	3.500	3.068	.216	2.621
1 1/2	40	1.900	1.610	.145	.9402	3 1/2	40	4.000	3.548	.226	3.151
1 1/2	80	1.900	1.500	.200	1.256	4	40	4.500	4.026	.237	3.733



## ALUMINUM SQUARE TUBING 6063-T52 (Extruded)

ASTM B 221 Type 2

Not Identified

Sharp Corners Stock Lengths 21 Ft.-1 In.

Chemical Composition and Mechanical Properties, Pages 238-241  
Identification Color: Yellow

Size in Inches	Wall	Lbs. per Ft.	Size in Inches	Wall	Lbs. per Ft.
3/4 x 3/4	.062	.1986	1 3/4 x 1 3/4	.125	.9458
	.125	.3638	2 x 2	.125	1.091
1 x 1	.062	.2708		.188*	1.586
	.125	.5093	2 1/2 x 2 1/2	.125	1.426
1 1/4 x 1 1/4	.125	.6548	3 x 3	.125	1.673
1 1/2 x 1 1/2	.125	.8003	4 x 4	.125	2.255

\*12 ft. length

## ALUMINUM RECTANGULAR TUBING 6063-T52 (Extruded)

ASTM B 221 Type 2

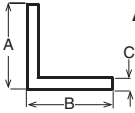
Not Identified

Sharp Corners Stock Lengths 21 Ft.-1 In.

Chemical Composition and Mechanical Properties, Pages 238-241  
Identification Color: Yellow

Size in Inches	Wall	Lbs. per Ft.	Size in Inches	Wall	Lbs. per Ft.
1/2 x 1	.125	.3638	1 3/4 x 3 1/2	.125	1.455
3/4 x 1 1/2	.125	.5820	1 3/4 x 4	.125	1.601
1 x 1 1/2	.125	.6548	1 3/4 x 4 1/2	.125	1.746
1 x 2	.125	.8003	1 3/4 x 5	.125	1.892
1 1/4 x 2 1/2	.125	1.019	2 x 3	.125	1.382
1 1/2 x 2	.125	.9458	2 x 4	.125	1.673
1 1/2 x 2 1/2	.125	1.091	2 x 5	.125	1.964
1 1/2 x 3	.125**	1.250	2 x 6	.125	2.255
1 3/4 x 3	.125	1.310	3 x 6	.188	3.814

\*\*24 ft. length



**ALUMINUM EXTRUSIONS**

**ARCHITECTURAL SHAPES**

**ANGLES**

**6063-T52**

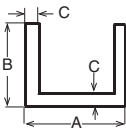
ASTM B 221

EQUAL AND UNEQUAL LEGS, SHARP CORNERS

Stock Lengths 16 Ft.

For Structural Angles, see page 181

Section number	A Inches	B Inches	C Inches	Lbs. per Ft.	Est. Lbs. 16 Ft.
94887	3/8	3/4	3/32	.1126	1.802
41770	1/2	1/2	1/16	.0682	1.091
31629	1/2	1/2	1/8	.1273	2.037
39709	1/2	1	1/8	.2001	3.202
24858	1/2	1 1/4	1/8	.2364	3.782
57571	3/4	3/4	1/16	.1049	1.678
78340	3/4	3/4	1/8	.2001	3.202
47195	3/4	1	1/8	.2364	3.782
70974	3/4	1 1/2	1/8	.3092	4.947
57143	1	1	1/16	.1410	2.256
30372	1	1	1/8	.2728	4.365
86748	1	1	3/16	.3955	6.328
57457	1	1 1/2	1/8	.3456	5.530
00664	1	2	1/8	.4183	6.693
09412	1 1/4	1 1/4	1/8	.3456	5.530
59370	1 1/4	1 1/4	3/16	.5047	8.075
11316	1 1/4	3 1/2	1/8	.6729	10.77
49985	1 1/2	1 1/2	1/8	.4183	6.693
23173	1 1/2	1 1/2	3/16	.6138	9.821
26292	1 3/4	1 3/4	1/8	.4911	7.858
99198	2	2	1/8	.5638	9.021
88854	2	2	3/16	.8320	13.31
89114	2	2	1/4	1.091	17.46
66805††	2 1/4	5 1/4	1/8	1.073	18.24††



**CHANNELS**

**6063-T52**

ASTM B 221

SHARP CORNERS

Stock Lengths 16 Ft.

For Structural Channels, see page 182

Section number	A Inches	B Inches	C Inches	Lbs. per Ft.	Est. Lbs. 16 Ft.
58298	1/2	3/8	1/8	.1455	2.328
35040	1/2	1/2	3/32	.1433	2.293
83502	1/2	3/4	1/8	.2547	4.075
32601	5/8	5/8	1/8	.2364	3.782
78569	3/4	3/8	1/8	.1819	2.910
87926	3/4	3/4	1/8	.2910	4.656
78603	1	1/2	1/8	.2547	5.094*
58367	1	1	1/8	.4002	6.403
09973	1 1/4	1/2	1/8	.2910	5.820*
82336	1 1/4	1 1/4	1/8	.5093	8.149
41193	1 1/2	1/2	1/8	.3274	6.548*
28766	1 3/4	1/2	1/8	.3638	5.821
51938	1 3/4	3/4	1/8	.4365	6.984
05232	1 3/4	1	1/8	.5093	8.149
88982	2	1/2	1/8	.4002	6.403
68296	2	1	1/8	.5457	8.731
70696	2	1	1/8	.5457	10.91*
45220	2 1/4	7/8	1/8	.5457	8.731
29627†	2 1/2	1 1/2	1/8	.7718	16.98**
17323	3	1/2	1/8	.5457	8.731
91718	3	1	1/8	.6912	11.06
91689	5	2	3/16	1.882	30.11

\*Stock Length 20 ft. — Est. Lbs. for 20 ft. †6061-T6  
 \*\*Stock Length 22 ft. — Est. Lbs. for 22 ft. ††6063-T6 — Est. Lbs. for 17 ft.

## ALUMINUM EXTRUSIONS ARCHITECTURAL SHAPES

### TEES

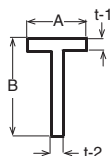
#### 6063-T52

ASTM B 221

SHARP ANGLES, SHARP CORNERS

Stock Lengths 16 Ft.

Section number	A inches	B inches	t-1 inches	t-2 inches	Est. Lbs. per foot	Est. Lbs. 16' Lgth.
66982	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{1}{8}$	.2001	3.202
90387	1	1	$\frac{1}{8}$	$\frac{1}{8}$	.2728	4.365
89892	2	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{1}{8}$	.3819	6.110



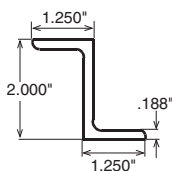
### ZEEES

#### 6061-T6

AMS-QQ-A-200/8

Stock Lengths 22 Ft.

23135



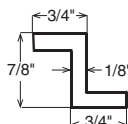
Lbs. per Ft.—.9173

#### 6063-T52

ASTM B 221

Stock Lengths 16 Ft.

94549



Lbs. per Ft.—.319

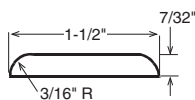
### TRIM MOULDING

#### 6063-T52

ASTM B 221

Stock Lengths 16 Ft.

14458



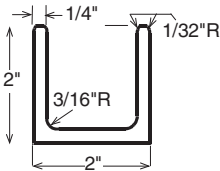
Lbs. per Ft.—.356

**ALUMINUM EXTRUSIONS  
TRUCK BODY SHAPES**

**Channel 6063-T6**

ASTM B 221  
Stock Lengths 22 Ft.

41761

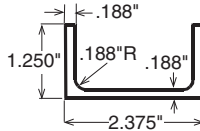


Lbs. per Ft. — 1.667

**Channel 6063-T6**

ASTM B 221  
Stock Lengths 24 Ft.

30296

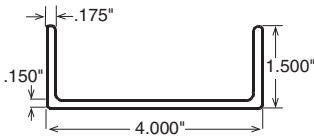


Lbs. per Ft. — 1.031

**Floor Bolster 6063-T6**

ASTM B 221  
Stock Lengths 24 Ft.

83567

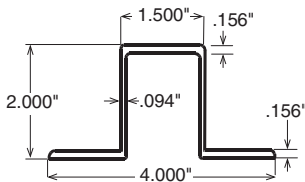


Lbs. per Ft. — 1.286

**Side Post 6063-T6**

ASTM B 221  
Stock Lengths 22 Ft.

94942



Lbs. per Ft. — 1.163