## **RAW MATERIALS** Aluminum

## Aluminum-**Rectangular Bars**

= 2024 standards: ASTM B211, AMS-QQ-A-225, AMS 4120

- 3003 standards: ASTM B209

= 5052 standards: ASTM B209

- 6061 standards: ASTM B221, AMS-QQ-A-200 = 6063 standards: ASTM B221

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Thickness (Decimal) Alloy 2024	Width and Length I, Unpolished	Width Tolerance Finish	Thickness Tolerance	ltem No.	Thickness (Decimal) Alloy 6061	Width and Length , T6511 Temp	Width Tolerance er, Unpolish	Thickness Tolerance ed Finish (Co	Item No. nt.)
	4 in x 12 in	+/-0.010 in	+/-0.002 in	2EYK6 *		1 in x 36 in	+/-0.012 in	+/-0.008 in	2EZE1 *
0.375 in	4 in x 36 in	+/-0.010 in	+/-0.002 in	2EYK8 *	_	1 in x 72 in	+/-0.012 in	+/-0.008 in	2EZF8 ±
Allow 2000	4 in x 72 in	+/-0.010 in	+/-0.002 in	2EYL1 ‡		1½ in x 36 in			25253
Alluy Suus	<ol> <li>H14 Temper</li> <li>1 in x 36 in</li> </ol>	+0.060	+/-0.002 in	1NZC9	-	1½ in x 72 in 2 in x 36 in	+/-0.014 in	+/-0.008 in	2EZG1 ‡ 2EZE5 *
	1 in x 72 in	+0.060	+/-0.002 in	1NZD1	-	2 in x 72 in	+/-0.024 in	+/-0.008 in	2EZG3 ‡
	11/2 in x 36 in	+0.060	+/-0.002 in	1NZD3		1½ in x 12 in			2EZH6 *
0.125 in	1½ in x 72 in	+0.060	+/-0.002 in	1NZD4	-	1½ in x 36 in	+/-0.014 in	+/-0.009 in	2EZK2 *
	2 in x 12 in	+0.060	+/-0.002 in	1NZD5	-	1½ in x 72 in			2EZL7 ‡
	2 in x 36 in	+0.060	+/-0.002 in	1NZD6 1NZD7	-	2 in x 12 in 2 in x 36 in	+/-0.024 in	+/-0.009 in	2EZH8 * 2EZK4 *
	2 in x 72 in 4 in x 12 in	+0.060	+/-0.002 in +/-0.002 in	1NZE5	-	2 in x 30 in 2 in x 72 in		+/-0.009 in +/-0.009 in	2EZR4 2EZL9 ‡
	4 in x 36 in	+0.060	+/-0.002 in	1NZE6	-	3 in x 72 in	+/-0.024 in		2AVC8 ±
	4 in x 72 in	+0.060	+/-0.002 in +/-0.002 in	1NZE7 1NZF2	0.5 in	3 in x 12 in 3 in x 36 in	+/-0.024 in	+/-0.009 in	2EZJ3 *
0.187 in	4 in x 72 in 1½ in x 12 in	+0.060	+/-0.002 in	1NZF2		3 in x 36 in	+/-0.024 in +/-0.024 in	+/-0.009 in	2EZK8 *
	1½ in x 72 in	+0.060	+/-0.002 in	1NZF4		4 in x 72 in	+/-0.034 in	+/-0.009 in	2AVD1 ±
Alloy 5052	2, H32 Temper		. / 0.000 in	1NZG9	-	4 in x 12 in		+/-0.009 in	ZEZJO
	1 in x 36 in 1 in x 72 in	+0.063 +/-0.060 in	+/-0.002 in +/-0.002 in	1NZU9	-	4 in x 36 in 6 in x 12 in	+/-0.034 in	+/-0.009 in +/-0.009 in	2EZL1 * 1ZCT6 *
	1½ in x 36 in	+0.063	+/-0.002 in	1NZH3	-	6 in x 36 in	+/-0.044 in		17CT9 *
	1½ in x 36 in 1½ in x 72 in	+0.063	+/-0.002 in	1NZH4		6 in x 72 in	+/-0.044 in		1ZCU4 ±
	2 in x 36 in	+0.063	+/-0.002 in	1NZH6		1 in x 12 in		+/-0.010 in	22210
0.125 in	2 in x 72 in	+0.063	+/-0.002 in	1NZH7	-	1 in x 36 in	+/-0.012 in	+/-0.010 in	2EZU6 *
	21/2 in x 36 in	+0.063	+/-0.002 in +/-0.002 in	1NZH9 1NZJ1	-	1 in x 72 in 1½ in x 12 in		+/-0.010 in	2EZV3 ‡ 2EZU1 *
	2½ in x 72 in 3 in x 72 in	+0.063	+/-0.002 in	1NZJ4	-	1½ in x 36 in	+/-0.014 in	+/-0.010 in	2EZU1 *
	4 in x 12 in	+0.063	+/-0.002 in	1NZJ5	-	1½ in x 72 in	+/-0.014 in	+/-0.010 in	2EZV5 ±
	4 in x 72 in	+0.063	+/-0.002 in	1NZJ7	-	2 in x 12 in	+/-0.024 in	+/-0.010 in	2EZU3 *
	1 in x 36 in 1 in x 72 in	+0.063	+/-0.002 in	1NZL9	0.75 in	2 in x 36 in 2 in x 72 in	+/-0.024 in	+/-0.010 in	2EZU9 *
	1 in x 72 in	+0.063	+/-0.002 in	1NZN1	-	2 in x 72 in	+/-0.024 in		2EZV6 ±
0.25 in	2 in x 12 in 2 in x 72 in	+0.063	+/-0.002 in +/-0.002 in	1NZN5 1NZN7	-	3 in x 12 in 3 in x 36 in	+/-0.024 in +/-0.024 in	+/-0.010 in +/-0.010 in	2EZU4 * 2EZV1 *
0.23 11	4 in x 12 in	+0.063	+/-0.002 in	1NZP5		3 in x 72 in	+/-0.024 in		2EZV7 ‡
	4 in x 36 in	+0.063	+/-0.002 in	1NZP6		4 in x 12 in		+/-0.010 in	ZEZUS
	4 in x 72 in	+0.063	+/-0.002 in	1NZP7	-	4 in x 36 in 4 in x 72 in	+/-0.034 in	+/-0.010 in	2EZV2 *
Alloy 6061	, T651 Tempe			04015		4 in x 72 in	+/-0.034 in		2EZV8 ‡
0.25 in	12 in x 12 in 12 in x 36 in	+/-0.084 in +/-0.084 in		2ARH5 * 2ARH9 *	-	1½ in x 12 in 1½ in x 36 in			2EZW2 * 2EZW9 *
0.23 11	12 in x 72 in	+/-0.084 in		2ARJ4 ‡		1½ in x 72 in			2EZXV9
1.5 in	8 in x 12 in		+/-0.014 in	1ZCY6 *		2 in x 12 in	+/-0.024 in		2EZW3 *
Alloy 6061	, T6511 Temp	er, Unpolish	ed Finish			2 in x 36 in 2 in x 72 in	+/-0.024 in	+/-0.012 in	2EZX1 *
	1 in x 72 in	+/-0.012 in		2EYV4 ‡	1.0 in -	2 in x 72 in	+/-0.024 in	+/-0.012 in	2EZX8 ‡
	1½ in x 72 in			2EYV6 ‡		3 in x 12 in		+/-0.012 in	ZEZW5
0.125 in	2 in x 72 in 3 in x 36 in	+/-0.024 in +/-0.024 in		2EYV8 ‡ 2EYU9 *	-	3 in x 36 in 3 in x 72 in	$\pm /-0.024$ III $\pm /-0.024$ in	+/-0.012 in +/-0.012 in	2EZX3 * 2EZY1 ‡
0.120 111	3 in x 72 in	+/-0.024 in		2EYW1 ‡	-	4 in x 12 in	+/-0.034 in		2EZW6 *
	4 in x 36 in	+/-0.034 in	+/-0.007 in	2EYV2 *		4 in x 36 in	+/-0.034 in	+/-0.012 in	2F7X4 *
	4 in x 72 in	+/-0.034 in	+/-0.007 in	2EYW3 ‡		4 in x 72 in	+/-0.034 in	+/-0.012 in	2EZY2 ‡
	1 in x 72 in	+/-0.012 in	+/-0.008 in	2EZA5 ‡	1.25 in	1½ in x 36 in	+/-0.014 in	+/-0.012 in	ZEZY/ "
	1½ in x 36 in 1½ in x 72 in	+/-0.014 in +/-0.014 in	+/-0.008 in +/-0.008 in	2EYY9 * 2EZA7 ±	1.5 in	2 in x 12 in 2 in x 36 in	+/-0.024 in +/-0.024 in	+/-0.014 in +/-0.014 in	2EZZ5 * 2EZZ8 *
	2 in x 36 in	+/-0.014 in	+/-0.008 in	2EZA7 ± 2EYZ2 *	1.5 111	2 in x 72 in	+/-0.024 in		2FAA1 ‡
	2 in x 72 in	+/-0.024 in	+/-0.008 in	2EZA9 ‡		2½ in x 12 in			2FAB1 *
	3 in x 36 in	+/-0.024 in	+/-0.008 in	20120		21/2 in x 36 in	+/-0.024 in	+/-0.024 in	2FAB4 *
0.25 in	3 in x 72 in	+/-0.024 in	+/-0.008 in	2EZB4 ‡		2½ in x 72 in	+/-0.024 in	+/-0.024 in	2FAB6 ‡
	4 in x 12 in 4 in x 36 in	+/-0.034 in +/-0.034 in	+/-0.008 in	2EYY7 *	0.0 in -	3 in x 12 in 3 in x 36 in	+/-0.024 in +/-0.024 in	+/-0.024 in	2FAB2 *
	4 in x 36 in 4 in x 72 in	+/-0.034 in +/-0.034 in	+/-0.008 in +/-0.008 in	2EYZ8 * 2EZB6 ‡	2.0 in	3 in x 36 in 3 in x 72 in	+/-0.024 in +/-0.024 in		2FAB5 * 2FAB7 ‡
	6 in x 12 in	+/-0.034 in	+/-0.008 in	2ARH3 *		6 in x 12 in		+/-0.024 in	2FAB7 ‡ 1ZDA5 *
	6 in x 36 in	+/-0.044 in	+/-0.008 in	2ARH7 *		6 in x 36 in	+/-0.044 in	+/-0.024 in	1ZDA9 *
	6 in x 72 in		+/-0.008 in	2ARJ2 ‡		6 in x 72 in	+/-0.044 in	+/-0.024 in	1ZDB4 ‡
					0.0 :	4 in x 36 in	+/-0.034 in	+/-0.024 in	12003
					3.0 in	4 in x 72 in 4 in x 12 in	+/-0.034 in	+/-0.024 in	1ZDD9 ‡ 2HGL9 *
						9 III X 12 III	±/=0.034 III	+/-0.024 in	20019

Scan. Order. Done. Details on page A1.



Thickness (Decimal)	and Length		Thickness Tolerance	ltem No.						
Alloy 6061, Unpolished Finish										
1.5 in	8 in x 36 in		+/-0.014 in	1ZCZ1 *						
	8 in x 72 in	+/-0.054 in	+/-0.014 in	1ZCZ5 ‡						
Allov 6063, T52 Temper, Mill Finish										
	1/2 in x 96 in	+/-0.009 in	+/-0.007 in	6ALX7 *						
	1⁄2 in x 96 in	+/-0.009 in	+/-0.007 in	6ALX7 *						
0.125 in	3/4 in x 96 in	+/-0.010 in	+/-0.007 in	6ALX5 *						
0.125 11	3/4 in x 96 in	+/-0.010 in	+/-0.007 in	6ALX5 *						
	1 in x 96 in	+/-0.012 in	+/-0.007 in	6ALX4 *						
	1 in x 96 in	+/-0.012 in	+/-0.007 in	6ALX4 *						
	1 in x 96 in	+/-0.012 in	+/-0.008 in	6ALW7 *						
	1 in x 96 in	+/-0.012 in	+/-0.008 in	6ALW7 *						
0.05	1½ in x 96 in	+/-0.014 in	+/-0.008 in	6ALW6 *						
0.25 in	11/2 in x 96 in	+/-0.014 in	+/-0.008 in	6ALW6 *						
	2 in x 96 in	+/-0.024 in	+/-0.008 in	6ALW5 *						
	2 in x 96 in	+/-0.024 in	+/-0.008 in	6ALW5 *						
	3/4 in x 96 in	+/-0.010 in	+/-0.009 in	6ALW1 *						
	<sup>3</sup> / <sub>4</sub> in x 96 in	+/-0.010 in	+/-0.009 in	6ALW1 *						
	1 in x 96 in	+/-0.012 in	+/-0.009 in	6ALWO *						
0.5 in	1 in x 96 in	+/-0.012 in	+/-0.009 in	6ALW0 *						
	2 in x 96 in	+/-0.024 in	+/-0.009 in	6ALV9 *						
	2 in x 96 in	+/-0.024 in	+/-0.009 in	6ALV9 *						
I enath to	lerance: * ±1.									





## Aluminum— **Square Bars**

• 6061 standards: ASTM B221, AMS-QQ-A-200 6063 standards: ASTM B221

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Thickness (Decimal)	Width and Length	Width Tolerance	Thickness Tolerance	ltem No.	
	651 Temper, L	Inpolished F	inish	NU.	-
1.0 in	12 in x 36 in	+/-0.084 in	+/-0.012 in	1ZCX6	
Alloy 6061, 1	6511 Temper,	Unpolished	Finish		
0.125 in	6 in x 72 in	+/-0.044 in	+/-0.007 in	2ARH1	_
0.375 in	3% in x 72 in	+/-0.008 in	+/-0.008 in	2EZF4	
	5% in x 36 in	+/-0.009 in	+/-0.009 in	2EZP2	
0.625 in	5% in x 72 in	+/-0.009 in	+/-0.009 in	2EZR5	
	5% in x 12 in	+/-0.009 in	+/-0.009 in	2AVD3	
	1 in x 12 in	+/-0.012 in	+/-0.012 in	2EZV9	
1.0 in	1 in x 36 in	+/-0.012 in	+/-0.012 in	2EZW7	
	1 in x 72 in	+/-0.012 in	+/-0.012 in	2EZX5	
1.5 in	4 in x 72 in	+/-0.034 in	+/-0.014 in	1ZCZ3	
1.75 in	13/4 in x 12 in	+/-0.014 in	+/-0.014 in	2FAA3	
1.75 11	1¾ in x 72 in	+/-0.014 in	+/-0.014 in	2FAA7	
2.0 in	4 in x 72 in	+/-0.034 in	+/-0.024 in	1ZDB3	
4.0 in	6 in x 72 in	+/-0.044 in	+/-0.034 in	1ZDE7	
Alloy 6063, 1	52 Temper, M	ill Finish			
0.125 in	11/4 in x 96 in	+/-0.012 in	+/-0.007 in	6ALX3	
0.25 in	1/2 in x 96 in	+/-0.009 in	+/-0.008 in	6ALW9	
0.25 111	3/4 in x 96 in	+/-0.010 in	+/-0.008 in	6ALW8	
0.5 in	1/2 in x 96 in	+/-0.009 in	+/-0.009 in	6ALL9	
0.625 in	5% in x 96 in	+/-0.009 in	+/-0.009 in	6ALL8	
0.75 in	3/4 in x 96 in	+/-0.010 in	+/-0.010 in	6ALL7	
0.875 in	7/8 in x 96 in		+/-0.010 in	6ALL6	
1.0 in	1 in x 96 in	+/-0.012 in	+/-0.012 in	6ALL5	

## Aluminum—Precision **Ground Blanks**

- 6061 standards: ASTM B209, ASTM B211 2024 standards: ASTM B209

Feature highly consistent dimensions with guaranteed tolerances. Machine-ready materials increase throughput by helping to minimize preparation and setup times. Thickness, width, and length tolerances: ±0.002".

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

2090

Item Thickness Wand L No.		Thickness	W and L			em o.						
	-T651 Temper	NU.	THIORITOGO		x 12 in		YT3					
Alloy 0001	6 in x 6 in	1NYL1	-		x 12 in		YT4					
-		6 in x 12 in <b>1NYK9</b>		0 in v 10 in			1NYT6					
-	8 in x 8 in	1NYL3	0.75 in -	12 in x 18 in 12 in x 24 in			YR8	1				$ \land$
-	8 in x 12 in	1NYL2	-				1NYR9					
0.25 in –	12 in x 12 in	1NYK3	-	24 in x 24 in		1NYT2		-				
_	12 in x 12 in	1NYK4		1 in x 1 in		1NYT8						
-	12 in x 24 in	1NYK5	1 in <sup>-</sup>	2 in x 3 in <b>1NYU</b>								
-	24 in x 24 in	1NYK7	· · · · ·		x 12 in	1NYU7		No.				
	6 in x 12 in		2.5 in		x 2½ in		YV5					
0.375 in -	0 III X 12 III	1NYN1 1NYL6	5 in	5 in x 5 in <b>1NYV9</b>								
	12 in x 24 in		6 in									
	12 in x 12 in	1NYN5	7.5 in	6 in x 6 in 7½ in x 7½ in		1NYX1 1NYX2						
0.5 in	12 in x 18 in	1NYN6	7.5 III									
	12 in x 24 in	1NYN7		2 in x	6 in	6 in x	8 in	8 in x	12 in	12 in	12 in	24 in
_	4 in x 12 in	1NYR2		12 in	x 6 in	12 in	x 8 in	12 in	x 12 in	x 18 in	x 24 in	x 24 in
_	6 in x 6 in	1NYR4	Thickness	Item	Item	Item	Item	Item	Item	Item	Item	Item
_	6 in x 12 in	1NYR3	(Decimal)	No.	No.	No.	No.	No.	No.	No.	No.	No.
	8 in x 8 in	1NYR6	Alloy 2024	-T351 T	emper							
0.625 in	8 in x 12 in	1NYR5	0.25 in	_	_	1NYX7	1NYY1	-	1NYX3	1NYX4	1NYX5	1NYX6
	12 in x 12 in	1NYP6	0.375 in	1NYY5	<b>1NYY8</b>	1NYY7	1NYZ1	—	_	-	_	1NYY6
	12 in x 18 in	1NYP7	0.5 in	_	<b>1NYZ8</b>		_	1NYZ9	1NYZ2	1NYZ3	1NYZ4	1NYZ6
	12 in x 24 in	1NYP8	0.625 in	-	<b>1NZA9</b>		—	_	1NZA2	1NZA3		
	24 in x 24 in	1NYR1	0.75 in	_	_		1NZB6	1NZB4	1NZB2	_		_
			1.0 in	-	1NZC5	1NZC4		—		1NZB9	1NZC1	1NZC3

**GRAINGER**® Find even MORE on Grainger.com®

1-800-GRAINGER (472-4643)