

1-800-GRAINGER (472-4643)

Aluminum— Round Tube Stock

- 6061-T6 Alloy
- Overall L: 1 ft.
- +/-0.003 in Wall thickness tolerance
- +/-0.032 in Length tolerance

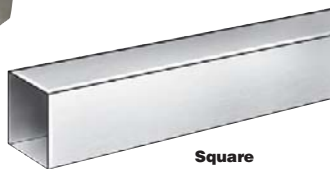


Inside Dia.	Outside Dia.	Wall Thickness	Item No.
0.089 in	3/16 in	0.049 in	48KU60
0.117 in	3/16 in	0.035 in	48KU61
0.152 in	1/4 in	0.049 in	48KU59
0.18 in	1/4 in	0.035 in	48KU58
0.214 in	3/8 in	0.049 in	48KU65
0.242 in	3/8 in	0.035 in	48KU64
0.277 in	3/8 in	0.049 in	48KU63
0.305 in	3/8 in	0.035 in	48KU62
0.367 in	1/2 in	0.035 in	48KU66
0.43 in	1/2 in	0.035 in	48KU57

Rectangular Tubing



Square Tubing



Aluminum—Tubing

- 6063 standards: ASTM B221
- Lightweight tubes are easy to drill, saw, punch, and machine.

Outside Rectangle Size	Inside Rectangle Size	L	Wall Thickness	Wall Thickness Tolerance	Length Tolerance	Item No.
Rectangular Tubing - Alloy 6063-T52 Temper/Mill						
1 in x 1 1/2 in	3/4 in x 1 1/4 in	3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALV7
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALV6
1 in x 2 in	3/4 in x 1 3/4 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALV5
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALV4
1 1/2 in x 2 in	1 1/4 in x 1 3/4 in	6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALV3
		1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALV2
1 1/2 in x 2 in	1 1/4 in x 1 3/4 in	3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALV1
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALV0
1 3/4 in x 4 in	1 1/2 in x 3 3/4 in	6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALU7
		3 ft	0.25 in	+/-0.025 in	+/-2 in	6ALU2
2 in x 3 in	1 1/2 in x 2 1/2 in	6 ft	0.25 in	+/-0.025 in	+/-3 in	6ALU1
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALU5
2 in x 3 in	1 3/4 in x 2 3/4 in	6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALU4
		3 ft	0.25 in	+/-0.025 in	+/-2 in	6ALU6
2 in x 4 in	1 1/2 in x 3 1/2 in	6 ft	0.25 in	+/-0.025 in	+/-3 in	6ALU5
		1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALU0
2 in x 4 in	1 3/4 in x 3 3/4 in	3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALU8
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALU8
4 in x 6 in	3 1/2 in x 5 1/2 in	3 ft	0.25 in	+/-0.025 in	+/-2 in	6ALU3
		6 ft	0.25 in	+/-0.025 in	+/-3 in	6ALU2

Outside Square Size	Inside Square Size	L	Wall Thickness	Wall Thickness Tolerance	Length Tolerance	Item No.
Square Tubing - Alloy 6063-T52 Temper/Mill						
3/4 in	1/2 in	3 ft	0.13 in	+/-0.015 in	+/-2 in	6ALT0
		6 ft	0.13 in	+/-0.015 in	+/-3 in	6ALR9
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALR4
1 in	3/4 in	6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALR3
		3 ft	0.063 in	+/-0.04 in	+/-2 in	6ALR7
		6 ft	0.063 in	+/-0.04 in	+/-3 in	6ALR6
1 1/4 in	1 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALR2
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALR1
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALR0
1 1/2 in	1 1/4 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALP9
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALP8
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALP7
1 3/4 in	1 1/2 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALP6
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALP5
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALP4
2 in	1 3/4 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALP3
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALP2
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALP1
3 in	2 3/4 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALP0
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALN9
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALN8
4 in	3 3/4 in	1 ft	0.125 in	+/-0.015 in	+/-1 in	6ALN7
		3 ft	0.125 in	+/-0.015 in	+/-2 in	6ALN6
		6 ft	0.125 in	+/-0.015 in	+/-3 in	6ALN5

Aluminum— Plates

- 3003 standards: ASTM B209, AMS-QQ-A-250, AMS 4008
- 6061 standards: ASTM B209, AMS-QQ-A-250, AMS 4027

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



Thickness (Decimal)	Thickness Tolerance	12" x 12" Item No.	12" x 24" Item No.	12" x 48" Item No.	24" x 48" Item No.
Alloy 3003-H14 Temper (Milled)					
0.063 in	+/-0.005 in	3DRZ2 **	3DRZ3 **	3DRZ4 **	3DRZ5 **
0.125 in	+/-0.007 in	3DRZ6 **	3DRZ7 **	3DRZ8 **	3DRZ9 **
0.188 in	+/-0.01 in	3DTA1 **	3DTA2 **	3DTA3 **	3DTA4 **
Alloy 6061-T6 Temper (Milled)					
0.125 in	+/-0.0055 in	3DTA9 **	3DTC1 **	3DTC2 **	3DTC3 **
0.063 in	+/-0.005 in	3DTA5 **	3DTA6 **	3DTA7 **	3DTA8 **
0.188 in	+/-0.01 in	3DTC4 **	3DTC5 **	3DTC6 **	3DTC7 **

Thickness (Decimal)	Thickness Tolerance	12" x 12" Item No.	24" x 24" Item No.	6" x 6" Item No.
Alloy 6061-T651 Temper (Milled)				
0.25 in	+/-0.012 in	2HGN8 *	2HGR5 *	—
0.25 in	+0.014/-0 in	—	—	2AVD6 *
0.25 in	+0.031/-0 in	—	—	2AVE1 *
0.375 in	+/-0.017 in	2HGN9 *	2HGR6 *	—
0.375 in	+0.017/-0 in	—	—	2AVD7 *
0.5 in	+/-0.023 in	2HGP1 *	2HGR7 *	—
0.5 in	+0.023/-0 in	—	—	2AVD8 *
0.625 in	+/-0.023 in	2HGP2 *	—	—
0.625 in	+0.023/-0 in	—	2HGR8 *	2AVD9 *
0.75 in	+/-0.031 in	2HGP3 *	—	—
0.75 in	+0.031/-0 in	—	2HGR9 *	—
1.0 in	+0.039/-0 in	—	2HGT1 *	2AVE2 *
1.25 in	+/-0.039 in	2HGP5 †	—	—
1.25 in	+0.039/-0 in	—	2HGT2 †	2AVE3 †
1.5 in	+0.039/-0 in	—	—	2AVE4 †

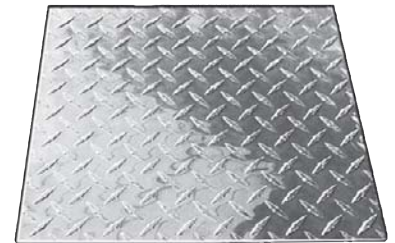
Width and length tolerances: * $\pm 0.125/0.000$ "; † $\pm 0.250/0.000$ "; ** ± 0.125 .

Aluminum— Tread Plates

- 3003 standards: ASTM B209
- Length and width tolerance: ± 0.125 "

Easily welded material is moisture-resistant to provide excellent traction.

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



Thickness Tolerance	6 IN X 2 FT Item No.	1 FT X 1 FT Item No.	1 FT X 2 FT Item No.	1 FT X 4 FT Item No.	2 FT X 2 FT Item No.	2 FT X 4 FT Item No.
Alloy 3003-H22 Temper (Bright)						
+/-0.006 in	3VXC6	3DRX8	3DRX9	3DRY1	3VXC7	3DRY2
+/-0.013 in	—	3DRY3	3DRY4	3DRY5	—	3DRY6
+/-0.018 in	—	3DRY7	3DRY8	3DRY9	—	3DRZ1

Aluminum— Sheets

- Length tolerance: ± 0.032 "
- Width tolerance: ± 0.005 "

Can be cut, drilled, or shaped.



Thickness (Decimal)	Thickness Tolerance	W	L	Item No.
Alloy 3003 - H14 (Milled)				
0.032 in	+/-0.002 in	4"	10"	5MWN1
0.064 in	+/-0.002 in	6"	12"	15V222
0.064 in	+/-0.002 in	4"	10"	5MWN2
Alloy 6061 - T6 (Milled)				
0.09 in	+/-0.002 in	6"	12"	15V220
0.125 in	+/-0.002 in	6"	12"	15V221