

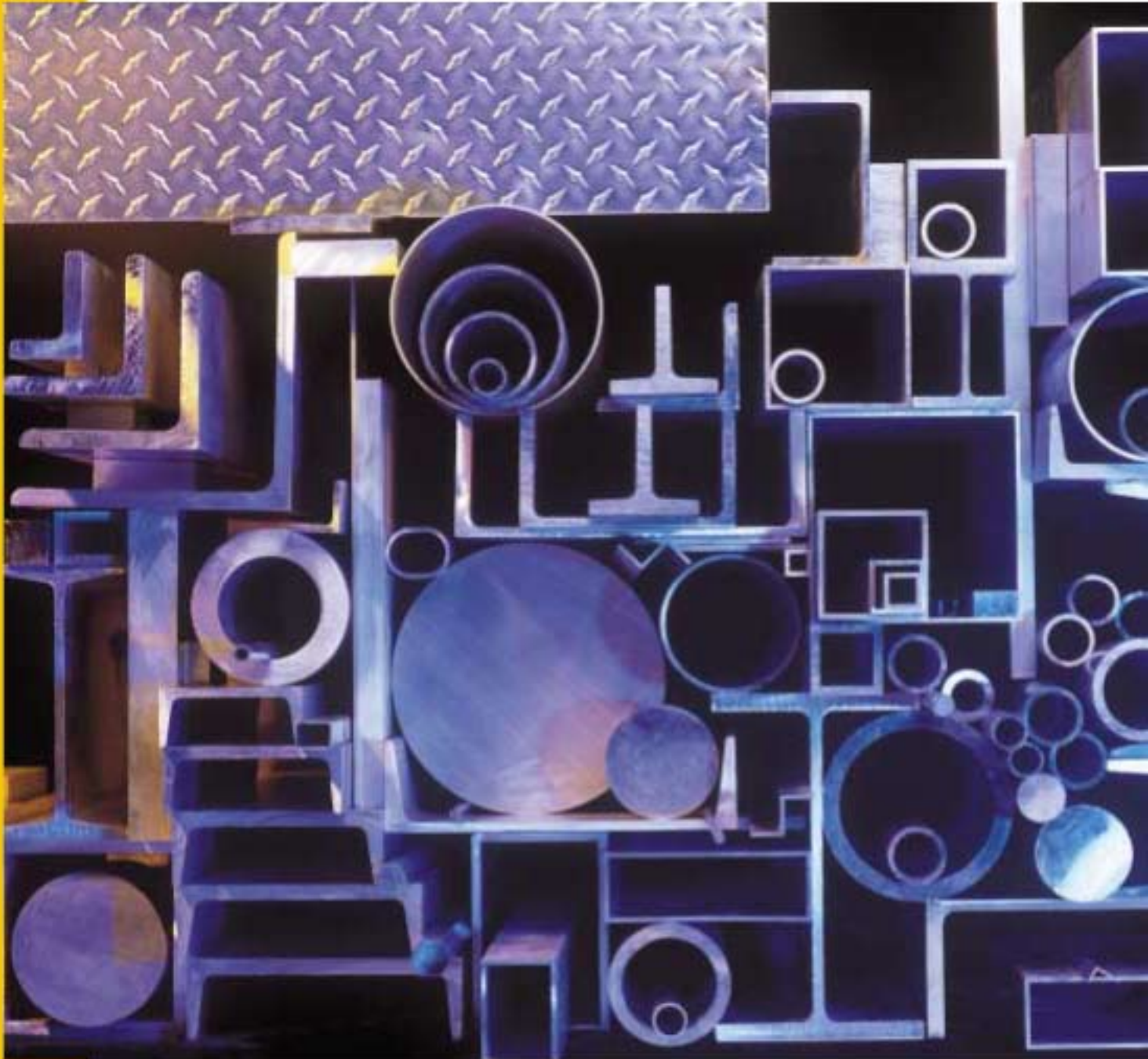
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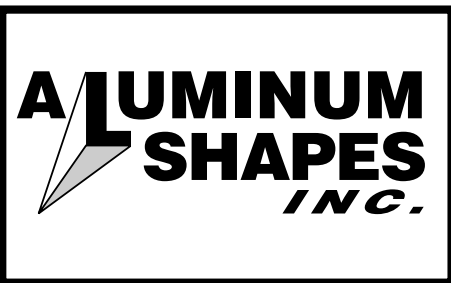
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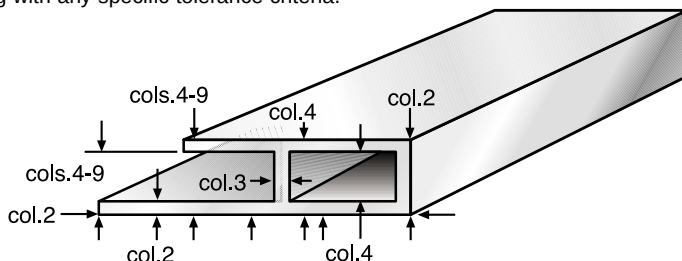


TOLERANCES

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Cross-Sectional Dimension Tolerances—Profiles

EXCEPT FOR T3510, T4510, T6510, T73510, T76510 AND T8510 TEMPERS



SPECIFIED DIMENSION	TOLERANCE — in. plus and minus							
	METAL DIMENSIONS		SPACE DIMENSIONS					
	ALLOWABLE DEVIATION FROM SPECIFIED DIMENSION WHERE 75 PERCENT OR MORE OF THE DIMENSION IS METAL		ALLOWABLE DEVIATION FROM SPECIFIED DIMENSION WHERE MORE THAN 25 PERCENT OF THE DIMENSION IS SPACE					
	All Except Those Covered by Column 3	Well Thickness Completely Enclosing Space 0.11 sq. in. and Over (Eccentricity)	At Dimensioned Points 0.250-0.624 Inches from Base of Leg	At Dimensioned Points 0.625-1.249 Inches from Base of Leg	At Dimensioned Points 1.250-2.499 Inches from Base of Leg	At Dimensioned Points 2.500-3.999 Inches from Base of Leg	At Dimensioned Points 4.000-5.999 Inches from Base of Leg	At Dimensioned Points 6.000-8.000 Inches from Base of Leg
in.	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9
Col. 1	Most Alloys	Most Alloys	Most Alloys	Most Alloys	Most Alloys	Most Alloys	Most Alloys	Most Alloys

CIRCUMSCRIBING CIRCLE SIZES LESS THAN 10 INCHES IN DIAMETER

Up thru 0.124	.006	±10% of specified dimension ±.060 max ±.010 min.	.010	.012	—	—	—	—
0.125-0.249	.007		.012	.014	.016	—	—	—
0.250-0.499	.008		.014	.016	.018	.020	—	—
0.500-0.749	.009		.016	.018	.020	.022	—	—
0.750-0.999	.010		.018	.020	.022	.025	.030	—
1.000-1.499	.012		.021	.023	.026	.030	.035	—
1.500-1.999	.014		.024	.026	.031	.036	.042	.050
2.000-3.999	.024		.034	.038	.048	.057	.068	.080
4.000-5.999	.034		.044	.050	.064	.078	.094	.110
6.000-7.999	.044		.054	.062	.082	.099	.120	.140
8.000-9.999	.054		.064	.074	.100	.120	.145	.170

CIRCUMSCRIBING CIRCLE SIZES 10 INCHES IN DIAMETER AND OVER

Up thru 0.124	.014	±15% of specified dimension ±.090 max ±.015 min.	.018	.020	—	—	—	—
0.125-0.249	.015		.019	.022	.028	—	—	—
0.250-0.499	.016		.020	.024	.030	.050	—	—
0.500-0.749	.017		.022	.027	.040	.060	—	—
0.750-0.999	.018		.023	.030	.050	.070	.090	—
1.000-1.499	.019		.024	.034	.060	.080	.100	—
1.500-1.999	.024		.034	.044	.070	.090	.110	.170
2.000-3.999	.034		.044	.054	.080	.100	.120	.180
4.000-5.999	.044		.054	.064	.090	.110	.130	.190
6.000-7.999	.054		.064	.074	.100	.120	.140	.200
8.000-9.999	.064		.074	.084	.110	.130	.150	.210
10.000-11.999	.074		.084	.094	.120	.140	.160	.220
12.000-13.999	.084		.094	.104	.130	.150	.170	.230
14.000-15.999	.094		.104	.114	.140	.160	.180	.240
16.000-17.999	.104		.114	.124	.150	.170	.190	.250
18.000-19.999	.114		.124	.134	.160	.180	.200	.260
20.000-21.999	.124		.134	.144	.170	.190	.210	.270
22.000-24.000	.134		.144	.154	.180	.200	.220	.280

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Aluminum Extrusion Tolerances

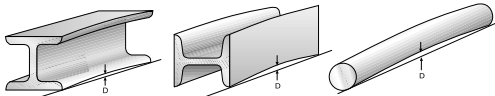
TOLERANCES

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Length—Wire, Rod, Bar and Profiles

SPECIFIED CHAMBER (WIRE AND ROD): SPECIFIED WIDTH (BAR): CIRCUMSCRIBING CIRCLE DIAMETER: (PROFILES) In.	TOLERANCE—In. plus			
	ALLOWABLE DEVIATION FROM SPECIFIED LENGTH			
	SPECIFIED LENGTH—ft.			
	Up thru 12	Over 12 thru 30	Over 30 thru 50	Over 50
Up thru 2.999	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	1
3.000-7.999	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{7}{16}$	1
8.000 and over	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1

Straightness—Rod, Bar and Profiles

PRODUCT	TEMPER	SPECIFIED DIAMETER (ROD): SPECIFIED WIDTH (BAR): CIRCUMSCRIBING CIRCLE DIAMETER: (PROFILES) In.	SPECIFIED THICKNESS (RECTANGLES): MINIMUM THICKNESS: (PROFILES) In.	TOLERANCE—In.
				ALLOWABLE DEVIATION (D) FROM STRAIGHT
Rod and Square Hexagonal and Octagonal Bar	All except O TX510 TX511	All		 IN TOTAL LENGTH OR IN ANY MEASURED SEGMENT OF ONE FT. OR MORE OF TOTAL LENGTH
	O	0.500 and over		0.125 x Measured length, ft. .050 x Measured length, ft.
Rectangular Bar	All except O TX510 TX511	Up thru 1.499	Up thru 0.094 0.095 and over	.050 x Measured length, ft. .0125 x Measured length, ft.
		1.500 and over	All	.0125 x Measured length, ft.
	O	Over 0.500	0.500 and over	.050 x Measured length, ft.
Profiles	All except O TX510 TX511	Up thru 1.499	Up thru 0.094 0.095 and over	.050 x Measured length, ft. .0125 x Measured length, ft.
		1.500 and over	All	.0125 x Measured length, ft.
	O	0.500 and over	Up thru 0.094 0.095 and over	.200 x Measured length, ft. .050 x Measured length, ft.

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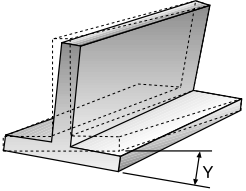


Aluminum Extrusion Tolerances

TOLERANCES

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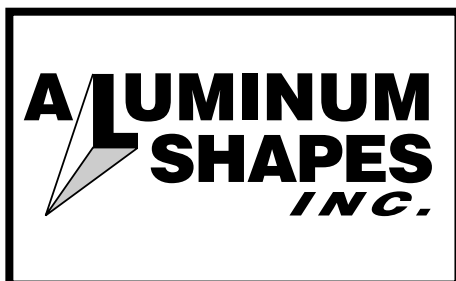
Twist—Bar and Profiles

PRODUCT	TEMPER	SPECIFIED WIDTH (BAR): CIRCUMSCRIBING CIRCLE DIAMETER: (PROFILES) In.	SPECIFIED THICKNESS (RECTANGLES): MINIMUM THICKNESS: (PROFILES) In.	TOLERANCE—Degrees	
				ALLOWABLE DEVIATION FROM STRAIGHT	
					
Bar	All except O, TX510, and TX511	Up thru 1.499 1.500-2.999 3.000 and over	All All All	1 x Measured length, ft.	7
				$\frac{1}{2}$ x Measured length, ft.	5
				$\frac{1}{4}$ x Measured length, ft.	3
Profiles	O	0.500-1.499 1.500-2.999 3.000 and over	0.500 and over 0.500 and over 0.500 and over	3 x Measured length, ft.	21
				$1\frac{1}{2}$ x Measured length, ft.	15
				$\frac{3}{4}$ x Measured length, ft.	9
Profiles	All except O, TX510, and TX511	Up thru 1.499 1.500-2.999 3.000 and over	All All All	1 x Measured length, ft.	7
				$\frac{1}{2}$ x Measured length, ft.	5
				$\frac{1}{4}$ x Measured length, ft.	3
Profiles	O	0.500 and over 0.500-1.499 1.500-2.999 3.000 and over	Up thru 0.094 0.095 and over 0.095 and over 0.095 and over	3 x Measured length, ft.	21
				3 x Measured length, ft.	21
				$1\frac{1}{2}$ x Measured length, ft.	15
Profiles	O	0.500 and over 0.500-1.499 1.500-2.999 3.000 and over	Up thru 0.094 0.095 and over 0.095 and over 0.095 and over	$\frac{3}{4}$ x Measured length, ft.	9
				$\frac{3}{4}$ x Measured length, ft.	9
				$\frac{3}{4}$ x Measured length, ft.	9

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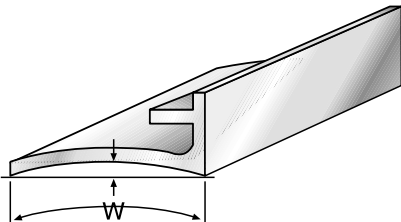
Aluminum Extrusion Tolerances

TOLERANCES

Flatness (Flat Surfaces)— Bar, Solid Profiles and Semihollow Profiles

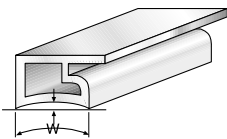
EXCEPT FOR PROFILES IN O, T3510,
T4510, T6510, T73510, T76510 AND
T8510 TEMPER

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					SURFACES WIDTHS UP THRU 1 INCH OR ANY 1 INCH INCREMENT OF WIDER SURFACES Maximum Allowable Deviation D = TOLERANCE (In.)						
					WIDTHS OVER 1 INCH Maximum Allowable Deviation D = TOLERANCE x W (In.)						
MINIMUM THICKNESS OF METAL FORMING THE SURFACE In.	SURFACE WIDTH—In.										
	UP TO 5.999	6.00 TO 7.999	8.000 TO 9.999	10.000 TO 11.999	12.000 TO 13.999	14.000 TO 15.999	16.000 TO 17.999	18.000 TO 19.999	20.000 TO 21.999	22.000 TO 23.999	24.000 AND UP
	TOLERANCE										
Up thru 0.124	.004	.006	.010	.014	—	—	—	—	—	—	—
0.125-0.187	.004	.006	.008	.012	.014	.014	.014	—	—	—	—
0.188-0.249	.004	.006	.008	.010	.012	.012	.012	.014	.014	—	—
0.250-0.374	.004	.006	.006	.008	.010	.010	.012	.012	.012	.014	—
0.375-0.499	.004	.004	.006	.008	.008	.008	.010	.010	.010	.012	.014
0.500-0.749	.004	.004	.006	.006	.008	.008	.008	.008	.010	.010	.012
0.750-0.999	.004	.004	.006	.006	.008	.008	.008	.008	.008	.008	.010
1.000-1.499	.004	.004	.004	.006	.006	.008	.008	.008	.008	.008	.008
1.500-1.999	.004	.004	.004	.004	.006	.006	.006	.008	.008	.008	.008
2.000 and up	.004	.004	.004	.004	.004	.006	.006	.006	.008	.008	.008

Flatness (Flat Surfaces)

HOLLOW PROFILES EXCEPT FOR PROFILES IN O, T3510, T4510, T6510, T73510, T76510 AND T8510 TEMPER

		SURFACES WIDTHS UP THRU 1 INCH OR ANY 1 INCH INCREMENT OF WIDER SURFACES Maximum Allowable Deviation D = TOLERANCE (In.)									
		WIDTHS OVER 1 INCH Maximum Allowable Deviation D = TOLERANCE x W (In.)									
MINIMUM THICKNESS OF METAL FORMING THE SURFACE In.	SURFACE WIDTH—In.										
	UP TO 5.999	6.00 TO 7.999	8.000 TO 9.999	10.000 TO 11.999	12.000 TO 13.999	14.000 TO 15.999	16.000 TO 17.999	18.000 TO 19.999	20.000 TO 21.999	22.000 TO 23.999	24.000 AND UP
	TOLERANCE										
Up thru 0.124	.006	.008	.012	.016	—	—	—	—	—	—	—
0.125-0.187	.006	.008	.010	.014	.016	—	—	—	—	—	—
0.188-0.249	.004	.006	.010	.012	.014	.014	.014	.016	—	—	—
0.250-0.374	.004	.006	.008	.010	.012	.012	.012	.014	.014	.016	—
0.375-0.499	.004	.006	.008	.010	.010	.010	.012	.012	.012	.014	.016
0.500-0.749	.004	.004	.006	.008	.008	.008	.014	.010	.012	.012	.014
0.750-0.999	.004	.004	.006	.006	.008	.008	.008	.008	.010	.010	.012
1.000 and up	.004	.004	.004	.006	.006	.008	.008	.008	.008	.008	.008

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Aluminum Extrusion Tolerances

TOLERANCES

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Surface Roughness— Wire, Rod, Bar & Profiles

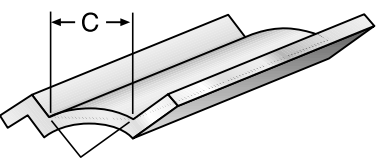
SPECIFIED SECTION THICKNESS In.	ALLOWABLE DEPTH OF CONDITIONS In. max.
Up thru 0.063	.0015
0.064-0.125	.002
0.126-0.188	.0025
0.189-0.250	.003
0.251-0.500	.004
0.501 and over	.008

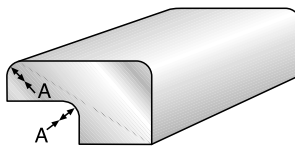
Squareness of Cut Ends

Allowable deviation from square: 1 degree

Corner and Fillet Radii— Bar and Profiles

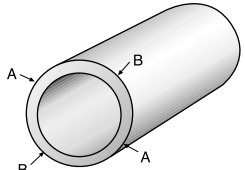
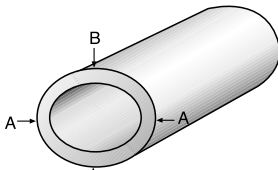
Contour (Curved Surfaces)—Profiles

Temper	
All except O, TX510	Allowable deviation from specified contour: 0.005 inch per inch of chord length; 0.005 inch minimum. Not applicable to contours with chord length 6 inch and over.
O	Allowable deviation from specified contour: 0.015 inch per inch of chord length; 0.015 inch minimum. Not applicable to contours with chord length 6 inches and over.

SPECIFIED RADIUS In.	TOLERANCE—In.
	ALLOWABLE DEVIATION FROM SPECIFIED RADIUS
	
	Difference between radius A and specified radius
Sharp corners 0.016-0.187 0.188 and over	+ $\frac{1}{4}$ $\pm\frac{1}{4}$ $\pm 10\%$

Diameter—Round Tube

EXCEPT FOR T3510, T4510, T6510 AND T8510 TEMPER

SPECIFIED DIAMETER In.	TOLERANCE—In. plus and minus	
	ALLOWABLE DEVIATION OF MEAN DIAMETER FROM SPECIFIED DIAMETER (Size)	ALLOWABLE DEVIATION OF DIAMETER AT ANY POINT FROM SPECIFIED DIAMETER
	 Difference between $\frac{1}{2}(AA+BB)$ and specified diameter	 Difference between AA or BB and specified diameter
Col. 1	Col. 2	Col. 3
	Most Alloys	Most Alloys
0.500-0.999	.010	.020
1.000-1.999	.012	.025
2.000-3.999	.015	.030
4.000-5.999	.025	.050
6.000-7.999	.035	.075
8.000-9.999	.045	.100
10.000-11.999	.055	.125
12.000-13.999	.065	.150
14.000-15.999	.075	.175
16.000-17.999	.085	.200
18.000-19.999	.095	.225
20.000-21.999	.105	.250
22.000-23.999	.115	.275

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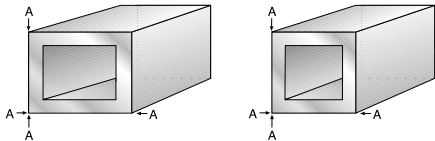
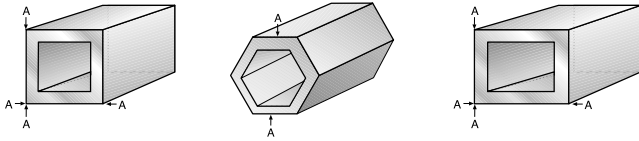


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Width and Depth—Square, Rectangular, Hexagonal and Octagonal Tube

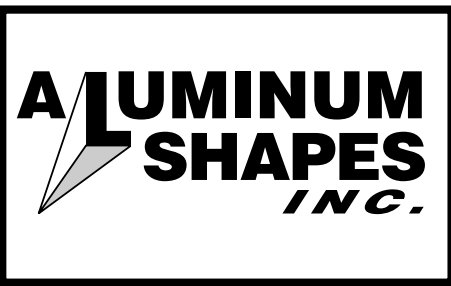
EXCEPT FOR T3510, T4510, T6510, T73510, T76510 AND T8510 TEMPERS

SPECIFIED WIDTH OR DEPTH In.	TOLERANCE—In. plus and minus		
	ALLOWABLE DEVIATION OF WIDTH OR DEPTH AT CORNERS FROM SPECIFIED WIDTH OR DEPTH	ALLOWABLE DEVIATION OF WIDTH OR DEPTH NOT AT CORNERS FROM SPECIFIED WIDTH OR DEPTH	
	 Difference between AA and specified width or depth	 Difference between AA and specified width, depth, or distance across flats	
	SQUARE, RECTANGULAR	SQUARE HEXAGONAL, OCTAGONAL	RECTANGULAR
Col. 1	Col. 2	Col. 3	Col. 4
	Most Alloys	Most Alloys	All Alloys
0.500-0.749	.012	.020	The tolerance for the width if the value in the previous column for a dimension equal to the depth, and conversely, but in no case is the tolerance less than at the corners. Example: the width tolerance of a 1 x 3 inch alloy 6061 rectangular tube is ± 0.025 inch and the depth tolerance is ± 0.035 inch
0.750-0.999	.014	.020	
1.000-1.999	.018	.025	
2.000-3.999	.025	.035	
4.000-4.999	.035	.045	
5.000-5.999	.045	.055	
6.000-6.999	.055	.065	
7.000-7.999	.065	.075	
8.000-8.999	.075	.085	
9.000-9.999	.085	.095	
10.000-10.999	.095	.105	
11.000-12.999	.105	.115	

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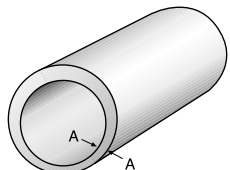
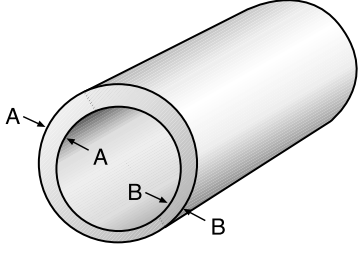
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TOLERANCES

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Wall Thickness—Round Extruded Tube

SPECIFIED WALL THICKNESS In.	TOLERANCE—In. plus and minus				ALLOWABLE DEVIATION OF WALL THICKNESS AT ANY POINT FROM MEAN WALL THICKNESS  (Eccentricity) Difference between AA and mean wall thickness
	ALLOWABLE DEVIATION OF MEAN WALL THICKNESS FROM SPECIFIED WALL THICKNESS  Difference between ½ (AA + BB) and specified wall thickness				
	OUTSIDE DIAMETER—IN.				
	Under 1.250	1.250-2.999	3.000-4.999	5.000 and over	
	Col. 2	Col. 3	Col. 4	Col. 5	
Col. 1	Most Alloys	Most Alloys	Most Alloys	Most Alloys	All Alloys
Under 0.047	.006	—	—	—	Plus and minus 10% of mean wall thickness
0.047-0.061	.007	.008	.008	.010	
0.062-0.077	.008	.008	.009	.012	
0.078-0.124	.009	.009	.010	.015	
0.125-0.249	.009	.009	.013	.020	
0.250-0.374	.011	.011	.016	.025	max ±0.060 min ±0.010
0.375-0.499	—	.015	.021	.035	
0.500-0.749	—	.020	.028	.045	
0.750-0.999	—	—	.035	.055	
1.000-1.499	—	—	.045	.065	
1.500-2.000	—	—	—	.075	±0.120
2.001-2.499	—	—	—	.085	
2.500-2.999	—	—	—	.095	
3.000-3.499	—	—	—	.105	
3.500-4.000	—	—	—	.115	

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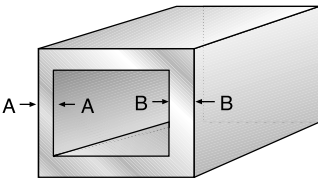
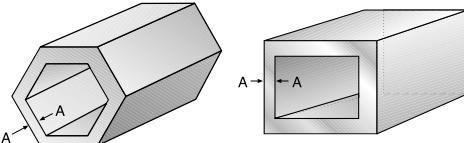


Aluminum Extrusion Tolerances

TOLERANCES

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Wall Thickness—Other-Than-Round Extruded Tube

SPECIFIED WALL THICKNESS in.	TOLERANCE—In. plus and minus			
	ALLOWABLE DEVIATION OF MEAN WALL THICKNESS FROM SPECIFIED WALL THICKNESS		ALLOWABLE DEVIATION OF WALL THICKNESS AT ANY POINT FROM MEAN WALL THICKNESS (Eccentricity)	
				
	Difference between $\frac{1}{2}$ (AA + BB) and specified wall thickness		Difference between AA and mean wall thickness	
	CIRCUMSCRIBING CIRCLE DIAMETER—In.			
	Under 5.000	5.000 and over	Under 5.000	5.000 and over
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
	Most Alloys	Most Alloys	All Alloys	All Alloys
Under 0.047	.005	.008	.005	Plus and minus 10% of mean wall thickness max ± 0.060 min ± 0.010
0.047-0.061	.006	.009	.007	
0.062-0.124	.007	.010	.010	
0.125-0.249	.008	.015	.015	
0.250-0.374	.011	.020	.025	
0.375-0.499	.014	.030	.030	
0.500-0.749	.025	.040	.040	
0.750-0.999	.035	.050	.050	
1.000-1.499	.045	.060	.060	
1.500-2.000	—	.070	—	

Length—Extruded Tube

SPECIFIED OUTSIDE DIAMETER OR WIDTH In.	TOLERANCE—In. plus excepted as noted							
	ALLOWABLE DEVIATION FROM SPECIFIED LENGTH							
	STRAIGHT				COILED			
	SPECIFIED LENGTH—ft.							
	Up thru 12	Over 12 thru 30	Over 30 thru 50	Over 50	Up thru 100	Over 100 thru 250	Over 250 thru 500	Over 500
0.500-1.249	⅜	¼	⅜	1	+5%-0%	±10%	±15%	±20%
1.250-2.999	1/8	1/4	3/8	1	—	—	—	—
3.000-7.999	3/16	5/16	7/16	1	—	—	—	—
8.000 and over	1/4	3/8	1/2	1	—	—	—	—

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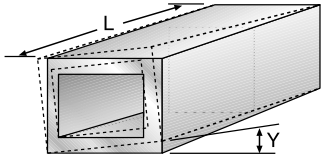


Aluminum Extrusion Tolerances

TOLERANCES

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Twist—Other than Round Tube

TEMPER	SPECIFIED WIDTH In.	SPECIFIED THICKNESS In.	TOLERANCE—Degrees	
			ALLOWABLE DEVIATION FROM STRAIGHT	
			 Y (max.) in degrees	
			IN TOTAL LENGTH OR IN ANY SEGMENT OF ONE FT. OR MORE OF TOTAL LENGTH	MAXIMUM FOR TOTAL LENGTH
All except O, TX510, TX511	0.500 thru 1.499 1.500-2.999 3.000 and over	All All All	1 x Measured length, ft. $\frac{1}{2}$ x Measured length, ft. $\frac{1}{4}$ x Measured length, ft.	7 5 3
O	0.500 and over	0.095 and over		

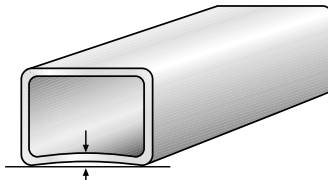
Straightness—Tube in Straight Lengths

TEMPER	SPECIFIED WIDTH In.	TOLERANCE—In.
		ALLOWABLE DEVIATION (D) FROM STRAIGHT
		IN TOTAL LENGTH OR IN ANY SEGMENT OF ONE FT. OR MORE OF TOTAL LENGTH
All except, O, TX510	0.500-5.999 6.000 and over	.010 x Measured length, ft. .020 x Measured length, ft.

Flatness (Flat Surfaces)

EXCEPT FOR O,

T3510, T6510, T73510, T76510 AND T8510

MINIMUM THICKNESS OF METAL FORMING THE SURFACE In.	TOLERANCE—In.	
	 Maximum Allowable Deviation Y	
	WIDTHS UP THRU 1 IN. OR ANY 1 IN. INCREMENT OF WIDER SURFACES	WIDTHS OVER 1 IN. THRU 5.999 IN.
Up thru 0.187 0.188 and over	0.006 0.004	0.006 x W (inches) 0.004 x W (inches)

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Aluminum Extrusion Tolerances

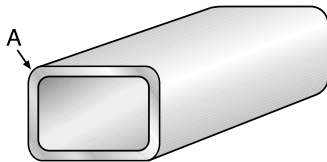
TOLERANCES

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Squareness of Cut Ends

Allowable deviation from square: 1 degree.

Corner and Fillet Radii

SPECIFIED RADIUS In.	TOLERANCE—In.
	ALLOWABLE DEVIATION FROM SPECIFIED RADIUS
	 Difference between radius A and specified radius
Sharp corners 0.016-0.187 0.188 and over	+ $\frac{1}{64}$ $\pm \frac{1}{64}$ $\pm 10\%$

Angularity

Allowable deviation from square: ± 2 degrees.

Surface Roughness

Specified Outside Diameter In.	Specified Wall Thickness In.	Allowable Depth of Conditions In., max.
Up thru 12.750	Up thru 0.063	0.0025
	0.064-0.125	0.003
	0.126-0.188	0.0035
	0.189-0.250	0.004
	0.251-0.500	0.005
12.751-15.000	0.501 and over	0.008
	Up thru 0.500	0.010
15.001-20.000	0.501 and over	0.012
	Up thru 0.500	0.015
20.001 and over	0.501 and over	0.020
	Up thru 0.500	0.015

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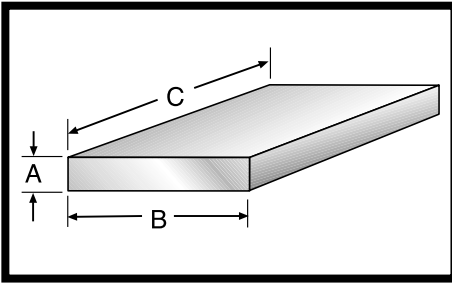
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ALUMINUM PLATE

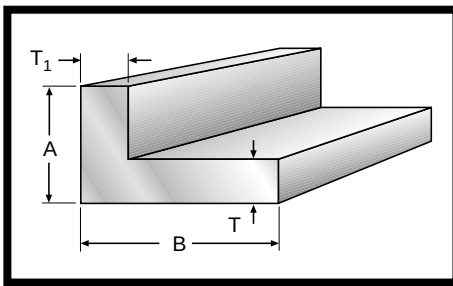
A	LBS / SQFT	B	C
.190	2.75	48 x	144
.190	2.75	60 x	144
.190	2.75	72 x	144
.250	3.66	36.5 x	96.5
.250	3.66	48.5 x	144.5
.250	3.66	60.5 x	144.5
.250	3.66	72.5 x	144.5
.313	4.52	36.5 x	96.5
.313	4.52	48.5 x	144.5
.375	5.44	36.5 x	96.5
.375	5.44	48.5 x	144.5
.375	5.44	60.5 x	144.5
.375	5.44	72.5 x	144
.500	7.25	36.5 x	96.5
.500	7.25	48.5 x	144.5
.500	7.25	60.5 x	144.5
.500	7.25	72.5 x	144.5
.625	9.02	36 x	96
.625	9.02	48.5 x	144.5
.625	9.02	60.5 x	144.5
.750	10.84	48.5 x	144.5
.750	10.84	60.5 x	144.5
.750	10.84	72.5 x	144.5
.875	12.55	48.5 x	144.5
.875	12.55	60.5 x	121.5

A	LBS / SQFT	B	C
1.000	14.44	48.5 x	144.5
1.000	14.44	60.5 x	144.5
1.250	17.96	48.5 x	144.5
1.250	17.96	60.5 x	144.5
1.500	21.49	48.5 x	144.5
1.500	21.49	60.5 x	144.5
1.500	21.49	72.5 x	144.5
1.750	25.07	48.5 x	144.5
1.750	25.07	60.5 x	144.5
1.750	25.07	72.5 x	144.5
2.000	28.64	48.5 x	144.5
2.000	28.64	60.5 x	144.5
2.250	32.13	48.5 x	144.5
2.500	35.8	48.5 x	144.5
3.000	42.85	48.5 x	144.5
3.000	42.85	60.5 x	144.5
4.000	57.36	48.5 x	144.5
4.000	57.36	60.5 x	144.5
4.500	64.42	48.5 x	144.5
5.000	71.47	48.5 x	144.5
5.500	77.62	48.5 x	144.5
6.000	85.58	48.5 x	144.5

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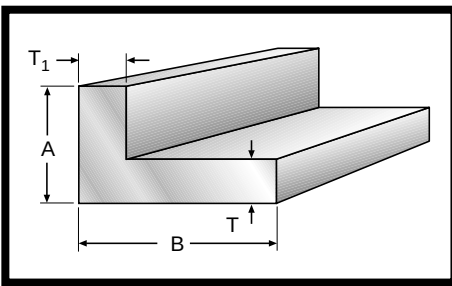
Available in
6061 & 6063 Alloys

A	B	T	T-1	6061	WT / FT	PERIMETER
.120	.380	.050	.255	NO	.026	1.000
.188	1.250	.062	.062	NO	.102	2.876
.250	.875	.098	.125	YES	.126	2.250
.250	.960	.125	.115	YES	.161	2.420
.250	1.000	.094	.094	YES	.130	2.500
.250	1.500	.094	.094	YES	.185	3.500
.250	1.625	.094	.094	YES	.200	3.750
.265	.550	.050	.050	NO	.046	1.360
.285	.285	.055	.055	NO	.034	1.140
.300	.500	.125	.055	NO	.086	1.600
.350	1.100	.063	.063	NO	.104	2.859
.375	.375	.125	.125	YES	.094	1.500
.375	.500	.062	.062	NO	.060	1.750
.375	.500	.094	.094	YES	.088	1.750
.375	.625	.062	.062	NO	.070	2.000
.375	.750	.094	.094	YES	.116	2.250
.375	.750	.125	.125	YES	.150	2.250
.375	.800	.050	.050	NO	.067	2.350
.375	.812	.062	.062	NO	.084	2.374
.375	1.500	.188	.188	YES	.380	3.750
.375	2.250	.125	.125	YES	.375	5.250
.430	.750	.125	.125	YES	.158	2.360
.438	.438	.062	.062	NO	.060	1.752
.450	.700	.156	.335	YES	.250	2.300
.469	1.375	.125	.125	YES	.258	3.688
.500	.500	.060	.060	NO	.066	2.376
.500	.500	.062	.062	NO	.070	2.000
.500	.500	.094	.094	YES	.100	2.000
.500	.500	.125	.125	YES	.131	2.000
.500	.500	.250	.250	YES	.226	2.000
.500	.688	.062	.062	NO	.084	2.350
.500	.750	.062	.062	NO	.089	2.500
.500	.750	.125	.125	YES	.169	2.500
.500	1.000	.062	.062	NO	.107	3.000
.500	1.000	.094	.094	YES	.158	3.000
.500	1.000	.125	.125	YES	.206	3.000
.500	1.062	.125	.125	YES	.216	3.124
.500	1.188	.125	.125	YES	.235	3.376
.500	1.250	.062	.062	NO	.126	3.500
.500	1.250	.125	.125	YES	.244	3.500

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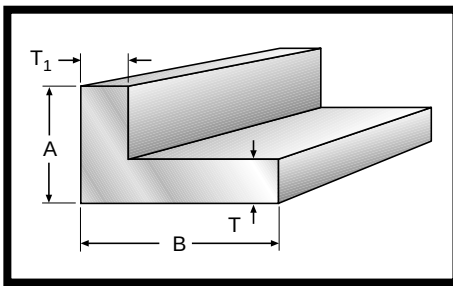
Available in
6061 & 6063 Alloys

A	B	T	T-1	6061	WT / FT	PERIMETER
.500	1.500	.062	.062	NO	.144	4.000
.500	1.500	.125	.125	YES	.281	4.000
.500	1.625	.050	.050	NO	.127	4.350
.500	1.750	.062	.062	NO	.163	4.500
.500	1.750	.125	.125	YES	.319	4.500
.500	2.000	.050	.050	NO	.147	5.000
.500	2.000	.062	.062	NO	.181	5.000
.500	2.000	.125	.125	YES	.349	5.000
.500	2.125	.125	.125	YES	.374	5.250
.562	.900	.250	.250	YES	.364	2.924
.562	1.500	.125	.125	YES	.290	4.124
.575	3.125	.075	.075	NO	.326	7.400
.620	2.000	.125	.530	YES	.614	5.240
.625	.625	.062	.062	YES	.089	2.500
.625	.625	.094	.094	YES	.131	2.500
.625	.625	.125	.125	YES	.169	2.500
.625	.750	.250	.250	YES	.337	2.750
.625	.812	.050	.050	NO	.083	2.874
.625	.875	.125	.125	YES	.206	3.000
.625	1.000	.050	.050	NO	.095	3.250
.625	1.000	.062	.062	YES	.117	3.250
.625	1.000	.125	.125	YES	.226	3.250
.625	1.625	.125	.125	YES	.318	4.500
.625	2.000	.125	.125	YES	.367	5.250
.635	1.208	.072	.072	NO	.152	3.698
.656	2.500	.125	.125	YES	.455	6.320
.688	.938	.060	.060	NO	.113	3.252
.690	1.375	.062	.062	NO	.146	4.130
.695	2.000	.065	.065	NO	.205	5.364
.750	.750	.040	.040	NO	.070	3.000
.750	.750	.045	.040	NO	.078	3.000
.750	.750	.062	.062	NO	.107	3.000
.750	.750	.070	.070	NO	.120	3.000
.750	.750	.094	.094	YES	.158	3.000
.750	.750	.125	.125	YES	.206	3.000
.750	.750	.188	.188	YES	.290	3.000
.750	1.000	.062	.062	NO	.126	3.500
.750	1.000	.070	.070	NO	.142	3.500
.750	1.000	.093	.093	YES	.185	3.500
.750	1.000	.125	.125	YES	.244	3.500

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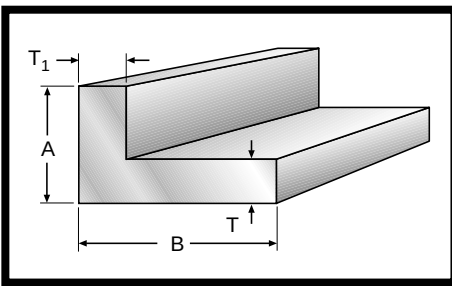
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6061 & 6063 Alloys

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A	B	T	T-1	6061	WT / FT	PERIMETER
.750	1.000	.312	.312	YES	.527	3.500
.750	1.125	.125	.125	YES	.263	3.750
.750	1.250	.050	.050	NO	.118	4.000
.750	1.250	.062	.062	NO	.144	4.000
.750	1.250	.094	.094	YES	.215	4.000
.750	1.250	.125	.125	YES	.281	4.000
.750	1.250	.250	.250	YES	.515	4.000
.750	1.500	.062	.062	NO	.163	4.500
.750	1.500	.090	.090	NO	.233	4.500
.750	1.500	.125	.125	YES	.319	4.500
.750	1.500	.188	.188	YES	.466	4.500
.750	1.625	.150	.437	YES	.607	4.750
.750	1.750	.125	.125	YES	.356	5.000
.750	2.000	.062	.062	NO	.200	5.500
.750	2.000	.125	.125	YES	.394	5.500
.750	2.250	.125	.125	YES	.422	5.961
.750	2.500	.125	.125	YES	.459	5.961
.750	3.000	.062	.062	NO	.275	7.500
.750	3.000	.125	.125	YES	.533	7.500
.770	1.500	.180	.260	YES	.442	4.540
.812	3.312	.062	.062	NO	.302	8.248
.875	.875	.063	.063	NO	.125	3.500
.875	.875	.125	.125	YES	.244	3.500
.875	1.000	.062	.062	NO	.134	3.750
.875	1.000	.125	.125	YES	.263	3.750
.875	1.125	.188	.188	YES	.409	4.000
.875	1.500	.062	.062	NO	.172	4.750
.875	1.500	.125	.125	YES	.337	4.750
.875	2.000	.062	.062	NO	.209	5.750
.875	2.000	.125	.125	YES	.413	5.750
.875	3.000	.125	.125	YES	.551	7.760
.900	1.250	.040	.040	NO	.101	4.300
.937	.937	.050	.050	NO	.109	3.722
1.000	1.000	.040	.040	NO	.094	4.000
1.000	1.000	.050	.050	NO	.118	4.000
1.000	1.000	.055	.055	NO	.128	4.000
1.000	1.000	.060	.060	NO	.139	4.000
1.000	1.000	.062	.062	NO	.144	4.000
1.000	1.000	.086	.086	YES	.198	4.000
1.000	1.000	.094	.094	YES	.215	4.000

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ANGLES

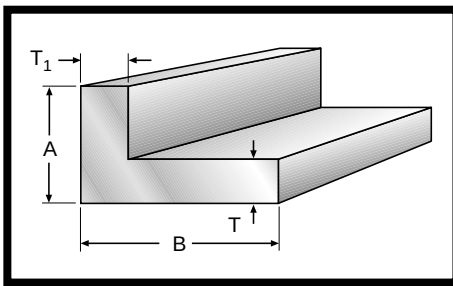
Available in
6061 & 6063 Alloys

A	B	T	T-1	6061	WT / FT	PERIMETER
1.000	1.000	.125	.125	YES	.281	4.000
1.000	1.000	.188	.188	YES	.409	4.000
1.000	1.000	.250	.250	YES	.514	4.000
1.000	1.125	.125	.125	YES	.301	4.260
1.000	1.250	.040	.040	NO	.106	4.500
1.000	1.250	.062	.062	NO	.163	4.500
1.000	1.250	.125	.125	YES	.319	4.500
1.000	1.250	.188	.188	YES	.466	4.500
1.000	1.250	.250	.250	YES	.588	4.500
1.000	1.375	.062	.062	NO	.172	4.750
1.000	1.375	.109	.109	YES	.296	4.750
1.000	1.375	.125	.125	YES	.337	4.750
1.000	1.375	.250	.250	YES	.625	4.750
1.000	1.500	.062	.062	NO	.181	5.000
1.000	1.500	.094	.094	NO	.266	5.000
1.000	1.500	.125	.125	YES	.356	5.000
1.000	1.500	.156	.156	YES	.423	5.000
1.000	1.500	.188	.188	YES	.511	5.000
1.000	1.750	.125	.125	YES	.394	5.500
1.000	1.750	.188	.188	YES	.566	5.500
1.000	2.000	.062	.062	NO	.218	6.000
1.000	2.000	.125	.125	YES	.431	6.000
1.000	2.000	.188	.188	YES	.622	6.000
1.000	2.000	.250	.250	YES	.809	6.000
1.000	2.250	.094	.094	NO	.356	6.500
1.000	2.500	.125	.125	YES	.506	7.000
1.000	2.750	.250	.250	YES	1.050	7.500
1.000	3.000	.125	.125	YES	.570	8.000
1.000	3.000	.188	.188	YES	.843	8.000
1.000	3.000	.250	.250	YES	1.103	8.000
1.000	3.000	.375	.375	YES	1.599	8.000
1.000	3.800	.050	.050	NO	.285	9.600
1.000	4.000	.250	.250	YES	1.396	10.000
1.000	4.875	.188	.188	YES	1.257	11.750
1.125	3.000	.188	.188	YES	.870	8.250
1.125	4.375	.125	.125	YES	.790	11.000
1.250	1.250	.062	.062	NO	.181	5.000
1.250	1.250	.090	.090	YES	.260	5.000
1.250	1.250	.125	.125	YES	.356	5.000
1.250	1.250	.188	.188	YES	.511	5.000

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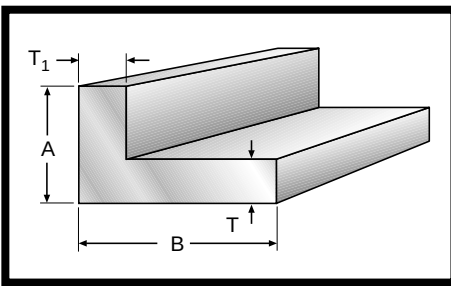
Available in
6061 & 6063 Alloys

ANGLES

A	B	T	T-1	6061	WT / FT	PERIMETER
1.250	1.250	.250	.250	YES	.662	5.000
1.250	1.500	.125	.125	YES	.394	5.500
1.250	1.500	.188	.188	YES	.566	5.500
1.250	1.625	.250	.250	YES	.772	5.750
1.250	1.750	.250	.375	YES	.974	6.000
1.250	2.000	.062	.062	NO	.238	6.500
1.250	2.000	.125	.125	YES	.469	6.500
1.250	2.500	.125	.125	YES	.533	7.500
1.250	2.500	.250	.250	YES	1.029	7.500
1.250	3.000	.125	.125	YES	.606	8.500
1.250	3.187	.125	.125	YES	.634	8.874
1.250	3.500	.125	.125	YES	.680	9.500
1.250	4.000	.125	.125	YES	.753	10.500
1.250	5.250	.125	.125	NO	.937	13.000
1.375	1.375	.062	.062	NO	.200	5.500
1.375	1.375	.080	.080	NO	.257	5.500
1.375	1.375	.125	.125	YES	.394	5.500
1.375	2.000	.188	.188	YES	.705	6.750
1.460	4.000	.188	.188	YES	1.166	10.920
1.495	1.860	.250	.250	YES	.913	6.710
1.500	1.500	.062	.062	NO	.218	6.000
1.500	1.500	.125	.125	YES	.431	6.000
1.500	1.500	.180	.180	YES	.597	6.000
1.500	1.500	.188	.188	YES	.622	6.000
1.500	1.500	.250	.250	YES	.809	6.000
1.500	1.550	.125	.125	YES	.439	6.100
1.500	1.875	.125	.125	YES	.487	6.750
1.500	2.000	.062	.062	NO	.256	7.000
1.500	2.000	.068	.068	NO	.280	7.000
1.500	2.000	.125	.125	YES	.506	7.000
1.500	2.000	.188	.188	YES	.732	7.000
1.500	2.000	.250	.250	YES	.956	7.000
1.500	2.250	.125	.125	YES	.533	7.500
1.575	1.575	.157	.157	NO	.553	6.300
1.500	2.500	.125	.125	YES	.570	8.000
1.500	2.500	.188	.188	YES	.843	8.000
1.500	2.750	.188	.188	YES	.898	8.500
1.500	3.000	.125	.125	YES	.643	9.000
1.500	3.000	.250	.250	YES	1.250	9.000
1.500	4.000	.250	.250	YES	1.543	11.000

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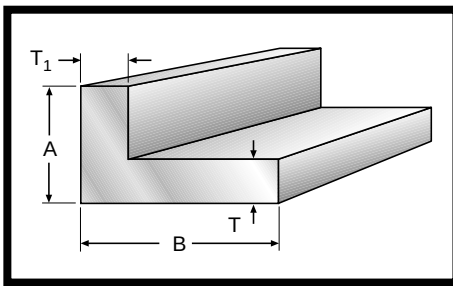
Available in
6061 & 6063 Alloys

A	B	T	T-1	6061	WT / FT	PERIMETER
1.580	5.250	.125	.125	YES	.986	13.660
1.620	3.820	.400	.380	YES	2.371	10.880
1.625	1.875	.125	.125	YES	.506	7.000
1.625	2.625	.375	1.000	YES	2.681	8.500
1.750	1.750	.062	.062	YES	.256	7.000
1.750	1.750	.125	.125	YES	.506	7.000
1.750	1.750	.188	.188	YES	.732	7.000
1.750	1.750	.250	.250	YES	.955	7.000
1.750	2.000	.125	.125	YES	.532	7.500
1.750	2.000	.250	.250	YES	1.029	7.500
1.750	3.000	.125	.125	YES	.680	9.500
1.750	3.750	.125	.125	NO	.790	11.000
1.750	4.000	.250	.250	YES	1.650	11.500
1.812	2.062	.312	.312	YES	1.307	7.707
1.812	3.000	.250	.250	YES	1.341	9.624
1.875	1.875	.125	.125	YES	.533	7.500
1.875	2.000	.125	.125	YES	.552	7.750
1.875	4.000	.250	.250	YES	1.654	11.750
1.875	4.437	.250	.250	YES	1.782	12.624
2.000	2.000	.062	.062	NO	.293	8.000
2.000	2.000	.094	.094	NO	.432	8.000
2.000	2.000	.117	.117	YES	.545	8.000
2.000	2.000	.125	.125	YES	.570	8.000
2.000	2.000	.188	.188	YES	.843	8.000
2.000	2.000	.200	.200	YES	.894	8.000
2.000	2.000	.250	.250	YES	1.103	8.000
2.000	2.000	.375	.375	YES	1.560	8.000
2.000	2.500	.062	.062	NO	.330	9.000
2.000	2.500	.125	.125	YES	.643	9.000
2.000	2.500	.188	.188	YES	.953	9.000
2.000	2.500	.250	.250	YES	1.250	9.000
2.000	3.000	.062	.062	NO	.367	10.000
2.000	3.000	.125	.125	YES	.717	10.000
2.000	3.000	.188	.188	YES	1.064	10.000
2.000	3.000	.250	.250	YES	1.397	10.000
2.000	3.000	.375	.375	YES	2.039	10.000
2.000	4.000	.125	.125	YES	.864	12.000
2.000	4.000	.250	.250	YES	1.691	12.000
2.000	5.000	.250	.250	YES	1.984	14.000
2.000	6.000	.187	.250	YES	1.890	16.000

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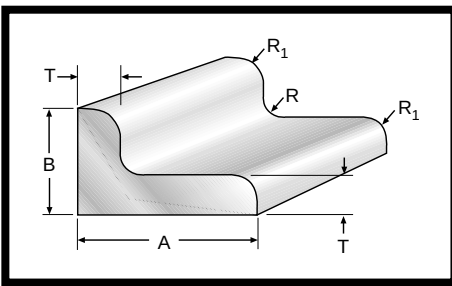
Available in
6061 & 6063 Alloys

ANGLES

A	B	T	T-1	6061	WT / FT	PERIMETER
2.000	6.000	.250	.250	YES	2.279	16.000
2.000	8.000	.250	.250	YES	2.867	20.000
2.156	3.166	.070	.070	NO	.442	10.644
2.250	2.250	.188	.188	YES	.953	9.000
2.250	3.000	.125	.125	YES	.753	10.500
2.250	5.250	.125	.125	YES	1.084	15.000
2.500	2.500	.093	.093	NO	.547	10.000
2.500	2.500	.125	.125	YES	.717	10.000
2.500	2.500	.188	.188	YES	1.064	10.000
2.500	2.500	.250	.250	YES	1.397	10.000
2.500	2.500	.312	.312	YES	1.720	10.000
2.500	2.500	.500	.500	YES	2.646	10.000
2.500	2.625	.375	.375	YES	2.095	10.250
2.500	3.000	.094	.094	NO	.604	11.000
2.500	3.000	.125	.125	YES	.790	11.000
2.500	3.000	.250	.250	YES	1.543	11.000
2.500	3.500	.250	.250	YES	1.691	12.000
3.000	3.000	.125	.125	YES	.864	12.000
3.000	3.000	.188	.188	YES	1.285	12.000
3.000	3.000	.250	.250	YES	1.691	12.000
3.000	3.000	.312	.312	YES	2.087	12.000
3.000	4.000	.078	.078	NO	.635	14.000
3.000	4.000	.125	.125	YES	1.011	14.000
3.000	4.000	.250	.250	YES	1.985	14.000
3.000	5.000	.125	.125	YES	1.157	16.000
3.000	5.000	.250	.250	YES	2.279	16.000
3.000	6.000	.375	.375	YES	3.804	18.000
3.062	5.500	.312	.312	NO	3.027	17.124
3.312	3.312	.312	.312	YES	2.316	13.250
3.500	3.500	.125	.125	YES	1.011	14.000
3.500	3.500	.188	.188	YES	1.506	14.000
3.500	3.500	.250	.250	YES	1.985	14.000
3.500	4.000	.375	.375	YES	3.142	15.000
3.500	6.000	.312	.312	YES	3.371	19.000
3.875	3.875	.375	.375	YES	3.247	15.500
4.000	4.000	.125	.125	YES	1.158	16.000
4.000	4.000	.250	.250	YES	2.279	16.000
4.000	5.000	.125	.125	YES	1.304	18.000
4.000	5.000	.250	.250	YES	2.573	18.000
4.625	4.625	.125	.125	NO	1.341	18.500

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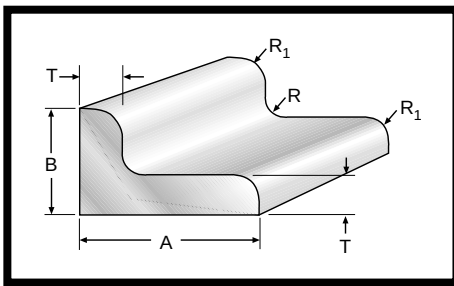
ANGLES

A	B	T	R	R-1	6061	WT / FT
.750	.500	.062	.062	.047	YES	.089
.750	.750	.062	.125	.094	YES	.105
.750	.750	.094	.094	.094	YES	.156
.750	.750	.125	.125	.094	YES	.201
.750	.750	.188	.125	.094	YES	.289
.875	.875	.187	.156	----	YES	.359
1.000	.625	.125	.125	.125	YES	.221
1.000	.750	.062	.062	.062	YES	.127
1.000	.750	.125	.062	.062	YES	.242
1.000	.750	.156	.156	.157	YES	.526
1.000	1.000	.062	.062	.031	YES	.144
1.000	1.000	.063	.031	----	YES	.146
1.000	1.000	.063	.188	.063	YES	.150
1.000	1.000	.094	.125	.094	YES	.211
1.000	1.000	.125	.125	.094	YES	.275
1.000	1.000	.125	.188	.125	YES	.282
1.000	1.000	.188	.125	.094	YES	.400
1.000	1.000	.250	.125	.094	YES	.514
1.125	1.125	.125	.188	.125	YES	.313
1.250	.750	.094	.094	.047	YES	.212
1.250	.750	.125	.125	.125	YES	.272
1.250	1.000	.125	.125	.062	YES	.314
1.250	1.000	.188	.188	.125	YES	.466
1.250	1.250	.094	.094	.047	YES	.266
1.250	1.250	.125	.094	.125	YES	.350
1.250	1.250	.125	.188	.125	YES	.353
1.250	1.250	.188	.062	.188	YES	.494
1.250	1.250	.188	.094	.125	YES	.515
1.250	1.250	.188	.188	.125	YES	.510
1.250	1.250	.250	.094	.125	YES	.668
1.250	1.250	.250	.188	.125	YES	.662
1.500	.750	.125	.125	.062	YES	.314
1.500	.750	.188	.125	.094	YES	.461
1.500	1.000	.031	.062	.031	YES	.181
1.500	1.000	.094	.156	.094	YES	.274
1.500	1.000	.125	.156	.125	YES	.347
1.500	1.000	.156	.156	.078	YES	.433
1.500	1.000	.250	.188	.125	YES	.662
1.500	1.125	.094	.125	.094	YES	.284
1.500	1.250	.125	.188	.125	YES	.387
1.500	1.250	.156	.156	.156	YES	.399
1.500	1.250	.156	.188	.125	YES	.477
1.500	1.250	.188	.188	.125	YES	.580
1.500	1.250	.250	.188	.125	YES	.734
1.500	1.500	.125	.188	.125	YES	.432

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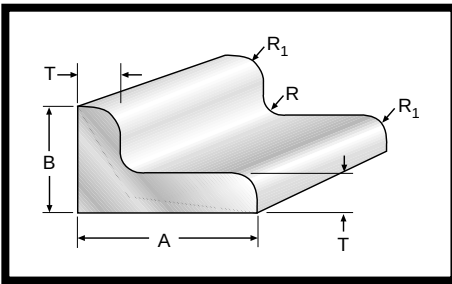


ANGLES

A	B	T	R	R-1	6061	WT / FT
1.500	1.500	.182	.188	.188	YES	.629
1.500	1.500	.188	.188	.125	YES	.635
1.500	1.500	.250	.188	.125	YES	.826
1.500	1.500	.312	.188	.125	YES	.988
1.500	1.500	.375	.188	.125	YES	1.190
1.625	1.625	.125	.188	.125	YES	.469
1.750	.750	.188	.188	.125	YES	.523
1.750	1.250	.125	.188	.125	YES	.430
1.750	1.250	.188	.188	.125	YES	.635
1.750	1.250	.250	.188	.125	YES	.809
1.750	1.750	.094	.094	.047	YES	.377
1.750	1.750	.125	.188	.125	YES	.506
1.750	1.750	.188	.188	.125	YES	.749
1.750	1.750	.250	.188	.125	YES	.978
1.750	1.750	.312	.188	.125	YES	1.171
1.750	1.750	.375	.188	.125	YES	1.407
1.900	1.900	.078	.010	.078	YES	.341
2.000	.750	.125	.188	.125	YES	.398
2.000	1.000	.125	.181	.125	YES	.421
2.000	1.000	.156	.188	.125	YES	.535
2.000	1.000	.188	.188	.125	YES	.636
2.000	1.000	.188	.188	.188	YES	.613
2.000	1.000	.250	.188	.188	YES	.816
2.000	1.250	.125	.188	.125	YES	.469
2.000	1.250	.188	.188	.125	YES	.691
2.000	1.250	.250	.188	.125	YES	.910
2.000	1.500	.125	.188	.125	YES	.510
2.000	1.500	.188	.188	.125	YES	.744
2.000	1.500	.188	.188	.188	YES	.738
2.000	1.500	.250	.188	.125	YES	.976
2.000	1.500	.312	.188	.125	YES	1.194
2.000	1.500	.375	.188	.125	YES	1.408
2.000	1.750	.250	.250	.125	YES	1.037
2.000	2.000	.125	.060	----	YES	.581
2.000	2.000	.125	.250	.125	YES	.589
2.000	2.000	.188	.250	.125	YES	.868
2.000	2.000	.250	.125	.125	YES	1.097
2.000	2.000	.250	.250	.125	YES	1.133
2.000	2.000	.250	.250	.250	YES	1.109
2.000	2.000	.312	.250	.125	YES	1.388
2.000	2.000	.375	.250	.125	YES	1.638
2.000	2.000	.500	.250	.125	YES	2.066
2.000	2.000	.625	.250	.125	YES	2.488
2.188	1.188	.125	.188	.125	YES	.488
2.250	1.250	.125	.188	.125	YES	.508

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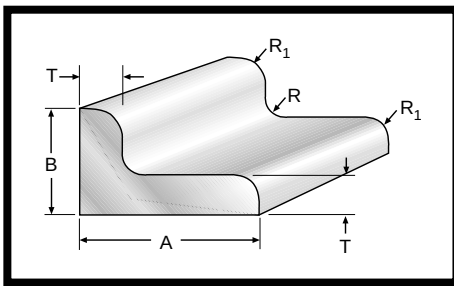
ANGLES

A	B	T	R	R-1	6061	WT / FT
2.250	1.500	.250	.250	.125	YES	1.070
2.500	1.250	.125	.188	.094	YES	.536
2.500	1.250	.188	.250	.094	YES	.813
2.500	1.250	.250	.250	.125	YES	1.037
2.500	1.500	.125	.188	.094	YES	.586
2.500	1.500	.125	.250	.125	YES	.577
2.500	1.500	.188	.250	.125	YES	.868
2.500	1.500	.250	.250	.125	YES	1.140
2.500	1.500	.312	.188	.125	YES	1.355
2.500	1.500	.375	.250	.125	YES	1.639
2.500	2.000	.100	.188	.188	YES	.535
2.500	2.000	.125	.250	.125	YES	.665
2.500	2.000	.188	.250	.125	YES	.980
2.500	2.000	.250	.250	.125	YES	1.289
2.500	2.000	.312	.250	.125	YES	1.576
2.500	2.000	.375	.250	.125	YES	1.864
2.500	2.500	.125	.250	.125	YES	.750
2.500	2.500	.188	.250	.125	YES	1.092
2.500	2.500	.250	.250	.125	YES	1.433
2.500	2.500	.312	.250	.125	YES	1.763
2.500	2.500	.375	.250	.125	YES	2.088
2.500	2.500	.500	.250	.125	YES	2.654
2.500	2.500	.500	.312	.250	YES	2.693
3.000	1.000	.125	.250	.125	YES	.589
3.000	1.500	.188	.250	.188	YES	.971
3.000	1.500	.250	.312	.125	YES	1.292
3.000	2.000	.188	.250	.180	YES	1.080
3.000	2.000	.188	.312	.188	YES	1.092
3.000	2.000	.250	.312	.188	YES	1.432
3.000	2.000	.312	.312	.188	YES	1.762
3.000	2.000	.375	.312	.188	YES	2.046
3.000	2.000	.375	.312	.250	YES	2.074
3.000	2.000	.438	.312	.188	YES	2.353
3.000	2.000	.500	.312	.188	YES	2.654
3.000	2.500	.250	.312	.250	YES	1.568
3.000	2.500	.312	.312	.250	YES	1.898
3.000	2.500	.375	.312	.250	YES	2.253
3.000	2.500	.438	.312	.250	YES	2.595
3.000	2.500	.500	.312	.250	YES	2.993
3.000	3.000	.188	.312	.250	YES	1.309
3.000	3.000	.250	.312	.250	YES	1.717
3.000	3.000	.312	.312	.250	YES	2.126
3.000	3.000	.375	.312	.250	YES	2.525
3.000	3.000	.438	.312	.250	YES	2.915
3.000	3.000	.500	.312	.250	YES	3.293

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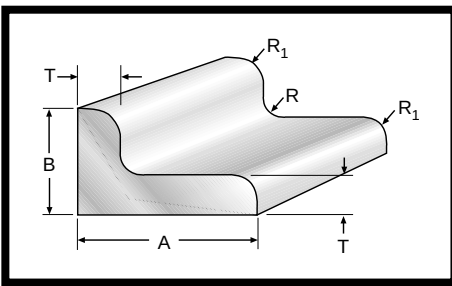
ANGLES

ANGLES

A	B	T	R	R-1	6061	WT / FT
3.500	2.500	.188	.188	.125	YES	1.285
3.500	2.500	.250	.312	.250	YES	1.684
3.500	2.500	.312	.250	.250	YES	3.293
3.500	2.500	.312	.312	.250	YES	2.082
3.500	2.500	.375	.312	.250	YES	2.523
3.500	2.500	.500	.312	.250	YES	3.293
3.500	3.000	.188	.250	.250	YES	1.439
3.500	3.000	.250	.375	.250	YES	1.879
3.500	3.000	.312	.375	.250	YES	2.340
3.500	3.000	.375	.375	.250	YES	2.760
3.500	3.000	.500	.375	.250	YES	3.603
3.500	3.500	.188	.188	.125	YES	1.506
3.500	3.500	.250	.375	.250	YES	2.029
3.500	3.500	.312	.375	.250	YES	2.508
3.500	3.500	.375	.375	.250	YES	2.984
3.500	3.500	.500	.375	.250	YES	3.904
4.000	2.000	.188	.188	----	YES	1.320
4.000	2.000	.188	.250	.188	YES	1.309
4.000	2.000	.250	.375	.250	YES	1.731
4.000	2.000	.312	.125	.250	YES	2.100
4.000	2.000	.375	.250	.250	YES	2.536
4.000	2.500	.250	.312	.125	YES	1.856
4.000	2.500	.250	.375	.250	YES	1.881
4.000	2.500	.312	.312	.250	YES	2.265
4.000	3.000	.250	.375	.250	YES	1.988
4.000	3.000	.312	.375	.250	YES	2.459
4.000	3.000	.375	.375	.250	YES	2.986
4.000	3.000	.438	.375	.250	YES	3.380
4.000	3.000	.500	.375	.250	YES	3.905
4.000	3.000	.750	.375	.250	YES	5.629
4.000	3.500	.250	.375	.250	YES	2.179
4.000	3.500	.312	.375	.312	YES	2.677
4.000	3.500	.375	.375	.312	YES	3.192
4.000	3.500	.500	.375	.312	YES	4.104
4.000	4.000	.250	.375	.250	YES	2.329
4.000	4.000	.312	.375	.250	YES	2.882
4.000	4.000	.375	.375	.250	YES	4.434
4.000	4.000	.438	.375	.250	YES	3.974
4.000	4.000	.500	.375	.250	YES	4.504
4.000	4.000	.562	.375	.250	YES	4.920
4.000	4.000	.625	.375	.250	YES	5.425
4.000	4.000	.688	.375	.250	YES	6.041
4.000	4.000	.750	.375	.250	YES	6.399
5.000	2.500	.188	.312	.188	YES	1.623
5.000	3.000	.312	.375	.125	YES	2.854

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ANGLES

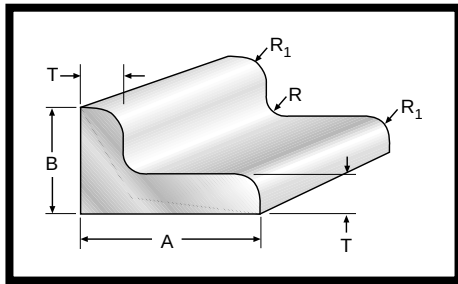
A	B	T	R	R-1	6061	WT / FT
5.000	3.000	.312	.375	.312	YES	2.864
5.000	3.000	.375	.375	.312	YES	3.416
5.000	3.000	.500	.375	.312	YES	4.486
5.000	3.500	.250	.375	.250	YES	2.482
5.000	3.500	.312	.438	.312	YES	3.068
5.000	3.500	.375	.438	.312	YES	3.654
5.000	3.500	.500	.438	.312	YES	4.799
5.000	3.500	.625	.438	.312	YES	5.787
5.000	4.000	.500	.500	.375	YES	5.089
5.000	5.000	.375	.500	.375	YES	4.324
5.000	5.000	.437	.500	.375	YES	5.015
5.000	5.000	.500	.500	.375	YES	5.693
5.000	5.000	.625	.500	.375	YES	7.080
5.500	3.000	.250	.250	----	YES	2.491
6.000	2.000	.188	.250	.188	YES	1.729
6.000	2.000	.313	.500	.312	YES	2.902
6.000	3.000	.375	.375	.375	YES	3.768
6.000	3.000	.375	.500	.375	YES	3.873
6.000	3.500	.312	.500	.312	YES	3.454
6.000	3.500	.375	.500	.312	YES	4.122
6.000	3.500	.500	.500	.312	YES	5.306
6.000	4.000	.375	.500	.375	YES	4.324
6.000	4.000	.438	.500	.375	YES	5.015
6.000	4.000	.500	.500	.375	YES	5.692
6.000	4.000	.625	.500	.375	YES	6.883
6.000	4.000	.750	.500	.375	YES	8.151
6.000	6.000	.375	.500	.375	YES	5.220
6.000	6.000	.438	.500	.375	YES	5.947
6.000	6.000	.500	.500	.375	YES	6.892
6.000	6.000	.625	.500	.375	YES	8.353
6.000	6.000	.750	.500	.375	YES	9.915
8.000	6.000	.625	.500	.312	YES	9.844
8.000	6.000	.750	.500	.375	YES	11.679
8.000	8.000	.500	.625	.375	YES	9.141
8.000	8.000	.625	.625	.375	YES	11.328
8.000	8.000	.750	.625	.375	YES	13.478
8.000	8.000	1.000	.625	.375	YES	17.667

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Miscellaneous Rounded or Sharp Corners



Available in
6061 & 6063 Alloys

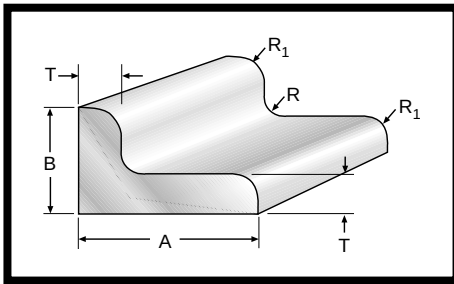
ANGLES

ANGLES

A	B	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
.250	.562	.062	.062	----	----	.062	.031	NO	.054	1.557
.250	1.015	.040	.040	----	----	----	.094	NO	.056	2.554
.340	.490	.080	.080	.045	----	----	----	NO	.072	1.641
.380	.380	.040	.040	----	----	----	.031	NO	.034	1.472
.395	1.250	.062	.062	.063	----	----	.125	NO	.115	3.210
.500	.500	.125	.125	.125	.094	----	----	YES	.131	1.868
.500	.750	.065	.065	.125	.062	----	----	NO	.094	2.393
.500	.750	.125	.125	----	----	.062	.094	YES	.164	2.406
.500	1.500	.126	.126	.010	.010	.125	.125	NO	.265	3.835
.562	.562	.040	.040	.040	.040	----	----	NO	.052	2.196
.625	.784	.120	.120	.062	FULL	FULL	.125	NO	.179	2.648
.625	1.000	.062	.062	.010	.062	.010	.010	NO	.114	3.188
.625	1.000	.062	.062	----	.062	----	----	NO	.114	3.197
.660	.660	.110	.110	----	----	----	.062	YES	.158	2.581
.687	1.500	.125	.125	----	----	----	.031	YES	.310	4.361
.732	.732	.050	.050	.010	.045	.010	.010	NO	.084	2.880
.750	.750	.062	.062	.010	FULL	FULL	.010	NO	.106	2.939
.750	.750	.062	.062	.094	.062	----	----	NO	.107	2.906
.750	1.000	.094	.094	.062	.062	----	----	YES	.186	3.420
.750	1.000	.250	.250	----	----	----	.093	YES	.448	3.460
.750	1.125	.062	.062	.060	.060	----	----	NO	.134	3.673
.750	1.375	.070	.070	.020	.020	.020	.020	NO	.173	4.198
.750	3.500	.125	.125	.010	.010	----	.031	NO	.618	8.443
.812	.875	.125	.125	.094	----	----	----	YES	.236	3.300
.875	.875	.060	.060	.130	----	----	.190	NO	.116	3.363
.875	.875	.081	.081	.093	.040	.040	.032	NO	.163	3.378
.875	.875	.090	.090	.100	----	----	.190	YES	.173	3.375
.875	1.125	.125	.125	.125	.094	----	----	YES	.280	3.866
.875	1.125	.187	.187	.062	----	----	----	YES	.408	3.941
.880	1.100	.050	.050	.060	----	----	----	NO	.116	3.900
.880	1.750	.094	.094	.094	----	----	----	YES	.288	5.220
.938	1.375	.125	.125	.062	.101	----	.031	YES	.328	4.547
1.000	1.000	.050	.050	.010	.010	.010	.025	NO	.116	3.984
1.000	1.000	.050	.050	----	FULL	FULL	.025	NO	.116	3.963
1.000	1.000	.050	.050	.063	.016	.016	.016	NO	.118	3.939
1.000	1.000	.094	.094	.188	.094	----	----	YES	.220	3.839
1.000	1.000	.125	.125	----	----	----	----	YES	.275	3.927
1.000	1.222	.065	.065	.187	FULL	FULL	.252	NO	.160	4.201
1.000	1.750	.062	.062	----	----	----	----	NO	.199	5.473
1.000	1.750	.094	.094	.094	.047	----	----	YES	.301	5.419
1.000	1.972	.065	.065	.187	FULL	FULL	.252	NO	.218	5.701
1.000	2.000	.062	.062	.010	FULL	FULL	.024	NO	.217	5.946
1.000	2.000	.062	.062	.031	.010	.010	.031	NO	.218	5.974
1.000	2.200	.188	.188	.060	----	----	----	YES	.684	6.427
1.100	1.300	.125	.150	.125	----	----	----	YES	.374	4.746

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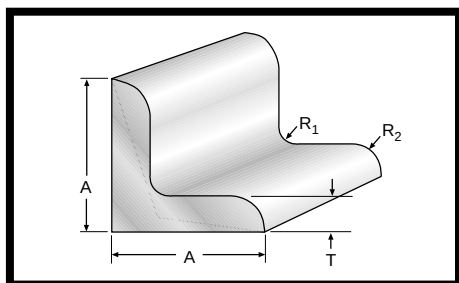
Available in
6061 & 6063 Alloys

A	B	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
1.100	2.500	.125	.125	.125	.010	----	.250	YES	.509	7.027
1.125	2.188	.062	.062	----	.031	----	----	NO	.242	6.626
1.181	2.244	.250	.250	.138	----	----	----	YES	.958	6.791
1.190	1.310	.380	.630	----	.120	.120	.120	YES	1.192	4.742
1.200	1.300	.125	.125	.100	.010	.010	.225	YES	.346	4.843
1.230	1.480	.080	.080	.010	FULL	FULL	.010	NO	.251	5.343
1.250	1.250	.188	.188	.188	.188	----	----	YES	.512	4.758
1.250	1.250	.188	.188	----	----	.188	.188	YES	.494	4.758
1.250	1.375	.062	.062	.062	.062	----	----	NO	.190	5.170
1.250	1.500	.072	.072	.090	.070	----	----	NO	.230	5.384
1.250	2.000	.250	.250	.156	----	.010	----	YES	.902	6.362
1.250	2.500	.250	.250	.250	----	----	----	YES	1.066	7.393
1.250	3.320	.250	.250	.180	----	----	----	YES	1.301	9.043
1.252	1.500	.189	.252	----	.031	.031	.031	YES	.660	5.437
1.300	2.250	.250	.250	.188	.250	----	----	YES	.983	6.884
1.312	2.062	.062	.062	----	----	.062	.062	NO	.247	6.667
1.375	1.375	.062	.062	.010	FULL	FULL	.010	NO	.199	5.447
1.375	1.375	.181	.188	.188	----	----	----	YES	.586	5.385
1.375	1.750	.062	.062	.062	.031	.010	.031	NO	.228	6.175
1.375	1.750	.062	.062	.062	FULL	FULL	.031	NO	.239	6.155
1.500	1.500	.125	.125	.015	.015	.015	.015	YES	.431	5.962
1.500	2.250	.181	.188	.250	.188	----	----	YES	.799	7.213
1.625	2.000	.078	.078	.312	.010	.010	.390	NO	.318	6.948
1.693	3.150	.236	1.181	.125	----	----	----	YES	2.960	9.632
2.000	2.000	.188	.188	.125	.125	----	----	YES	.856	7.839
2.000	3.000	.125	.125	.125	.062	.062	.062	YES	.731	9.813
2.000	3.000	.187	.187	.125	.125	.010	.010	YES	1.075	9.805
2.000	3.455	.400	.380	.030	----	----	----	YES	2.388	10.893
2.875	3.000	.375	.375	.312	.250	----	----	YES	2.484	11.481
3.000	3.000	.070	.070	----	----	----	.050	NO	.498	11.979
3.000	4.000	.250	.250	.375	FULL	FULL	.625	YES	1.944	13.356
3.250	3.250	.250	.250	----	----	----	----	YES	1.877	12.706
3.500	3.500	.500	.500	.375	.500	----	----	YES	3.808	13.401
3.750	3.750	.375	.375	.031	.031	.031	.250	YES	3.190	14.826

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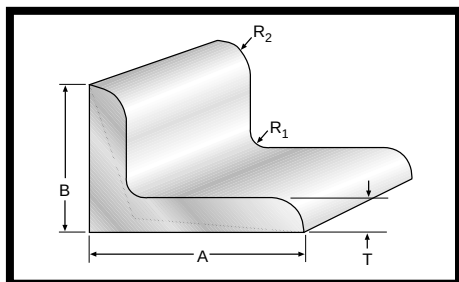


Equal Legs
Rounded Inside Angles
Rounded Inside Corners

ANGLES

Available in
6061 & 6063 Alloys

A	T	R1	R2	WT / FT
.750	.094	.094	.094	.156
.750	.125	.094	.125	.195
.875	.125	.094	.125	.233
1.000	.063	.188	.063	.151
1.000	.125	.188	.125	.276
1.250	.125	.188	.125	.358
1.250	.188	.188	.188	.502
1.500	.125	.188	.125	.423
1.500	.188	.188	.188	.613
1.750	.188	.250	.188	.729
2.000	.125	.250	.125	.577
2.000	.188	.250	.188	.841
2.000	.250	.250	.250	1.087
2.500	.250	.250	.250	1.381
3.000	.188	.250	.188	1.309
3.000	.250	.250	.250	1.675
3.000	.313	.250	.313	2.059



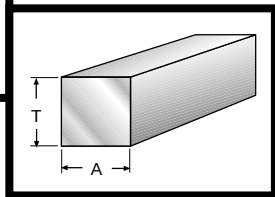
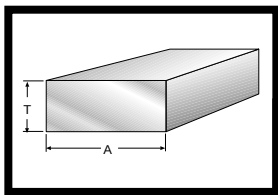
Unequal Legs
Rounded Inside Angles
Rounded Inside Corners

Available in
6061 & 6063 Alloys

A	B	T	R1	R2	WT / FT
1.000	.625	.125	.125	.125	.216
1.250	1.000	.094	.125	.094	.238
1.250	1.000	.125	.125	.125	.308
1.500	1.000	.125	.156	.125	.347
1.500	1.250	.156	.156	.156	..469
1.750	1.000	.125	.156	.125	.385
1.750	1.500	.156	.156	.156	.561
2.000	1.000	.125	.156	.125	.421
2.000	1.000	.156	.156	.156	.526
2.000	1.250	.125	.188	.125	.469
2.000	1.500	.125	.188	.125	.510
2.000	1.500	.188	.188	.188	.723
2.500	1.250	.188	.188	.188	.779
3.000	1.500	.188	.250	.188	.951
3.000	1.500	.250	.250	.250	1.234
3.000	2.000	.188	.250	.188	1.062
3.000	2.000	.250	.250	.188	1.381
3.000	2.500	.250	.250	.250	1.528
3.000	2.500	.313	.250	.313	1.876

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Square & Rectangular

BARS

Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
.050	.812	NO	.049
.062	.500	NO	.037
.062	.750	NO	.056
.062	.875	NO	.066
.062	1.000	NO	.074
.062	1.250	NO	.094
.062	1.500	NO	.112
.062	1.750	NO	.130
.062	2.000	NO	.149
.062	2.975	NO	.221
.072	.608	NO	.053
.080	6.000	NO	.564
.093	.750	NO	.084
.094	.500	NO	.056
.094	.625	YES	.069
.094	.750	YES	.084
.094	.875	YES	.098
.094	1.000	YES	.113
.094	2.000	YES	.226
.105	.715	NO	.089
.110	2.000	NO	.258
.120	.562	NO	.080
.125	.375	NO	.056
.125	.400	NO	.060
.125	.500	YES	.076
.125	.625	YES	.094
.125	.750	YES	.113
.125	.875	YES	.129
.125	1.000	YES	.150
.125	1.125	YES	.165
.125	1.250	YES	.187
.125	1.312	YES	.197
.125	1.375	YES	.206
.125	1.500	YES	.226
.125	1.625	YES	.239
.125	1.750	YES	.257
.125	1.812	YES	.266
.125	1.875	YES	.276
.125	2.000	YES	.294
.125	2.250	YES	.337
.125	2.500	YES	.368
.125	2.531	YES	.379
.125	2.625	YES	.394
.125	2.750	YES	.413
.125	3.000	YES	.450

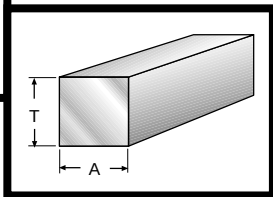
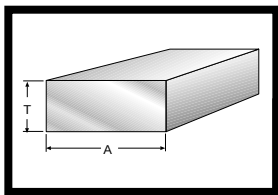
T	A	6061	WT / FT
.125	3.500	YES	.515
.125	4.000	YES	.588
.125	4.500	YES	.674
.125	4.750	YES	.698
.125	5.000	YES	.735
.125	5.250	YES	.772
.125	5.500	YES	.809
.125	6.000	YES	.900
.125	8.062	YES	1.185
.125	8.218	YES	1.208
.134	1.500	YES	.241
.145	.781	YES	.136
.156	.750	YES	.138
.156	.875	YES	.161
.156	1.000	YES	.183
.156	1.500	YES	.281
.156	1.625	YES	.304
.156	2.000	YES	.374
.156	2.125	YES	.398
.156	2.250	YES	.421
.156	2.500	YES	.468
.156	3.250	YES	.596
.156	7.500	YES	1.376
.160	.625	YES	.120
.160	6.000	YES	1.129
.175	1.000	YES	.206
.175	1.250	YES	.257
.175	1.500	YES	.309
.175	1.750	YES	.360
.175	2.000	YES	.412
.175	2.250	YES	.463
.187	2.000	YES	.449
.187	3.250	YES	.715
.188	.500	YES	.113
.188	.625	YES	.143
.188	.734	YES	.166
.188	.750	YES	.169
.188	.875	YES	.197
.188	1.000	YES	.226
.188	1.125	YES	.254
.188	1.188	YES	.268
.188	1.250	YES	.282
.188	1.375	YES	.311
.188	1.500	YES	.337
.188	1.625	YES	.367

BARS

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Square & Rectangular

BARS

Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
.188	1.750	YES	.395
.188	1.875	YES	.422
.188	2.000	YES	.451
.188	2.125	YES	.470
.188	2.250	YES	.508
.188	2.375	YES	.535
.188	2.500	YES	.553
.188	2.750	YES	.608
.188	3.000	YES	.663
.188	3.250	YES	.719
.188	3.500	YES	.774
.188	3.750	YES	.829
.188	4.000	YES	.884
.188	4.250	YES	.940
.188	4.325	YES	.956
.188	5.000	YES	1.105
.188	6.000	YES	1.327
.188	6.500	YES	1.437
.188	6.875	YES	1.520
.188	9.000	YES	1.990
.188	9.500	YES	2.100
.190	2.790	YES	.623
.198	3.800	YES	.885
.200	1.016	YES	.244
.215	.500	YES	.133
.215	2.000	YES	.516
.218	2.500	YES	.640
.225	5.634	YES	1.491
.250	.250	YES	.076
.250	.320	YES	.096
.250	.375	YES	.113
.250	.438	YES	.132
.250	.500	YES	.150
.250	.560	YES	.168
.250	.625	YES	.188
.250	.750	YES	.225
.250	.875	YES	.263
.250	1.000	YES	.300
.250	1.125	YES	.337
.250	1.188	YES	.356
.250	1.200	YES	.353
.250	1.250	YES	.375
.250	1.312	YES	.388
.250	1.375	YES	.413
.250	1.500	YES	.450

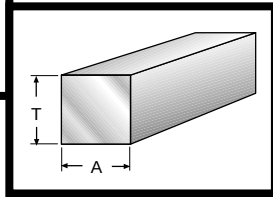
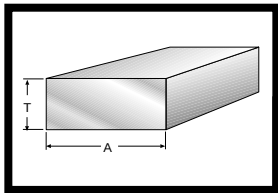
T	A	6061	WT / FT
.250	1.625	YES	.487
.250	1.750	YES	.525
.250	1.875	YES	.551
.250	2.000	YES	.588
.250	2.125	YES	.625
.250	2.188	YES	.643
.250	2.250	YES	.662
.250	2.375	YES	.698
.250	2.500	YES	.735
.250	2.625	YES	.772
.250	2.750	YES	.808
.250	2.875	YES	.845
.250	3.000	YES	.882
.250	3.250	YES	.956
.250	3.300	YES	.970
.250	3.312	YES	.974
.250	3.443	YES	1.012
.250	3.500	YES	1.029
.250	3.625	YES	1.068
.250	3.688	YES	1.084
.250	3.750	YES	1.102
.250	4.000	YES	1.176
.250	4.250	YES	1.250
.250	4.375	YES	1.286
.250	4.500	YES	1.323
.250	4.750	YES	1.397
.250	5.000	YES	1.470
.250	5.125	YES	1.538
.250	5.250	YES	1.507
.250	5.500	YES	1.617
.250	5.625	YES	1.653
.250	5.750	YES	1.691
.250	6.000	YES	1.764
.250	6.500	YES	1.911
.250	6.875	YES	2.021
.250	7.000	YES	2.058
.250	7.250	YES	2.132
.250	7.500	YES	2.250
.250	7.625	YES	2.242
.250	8.000	YES	2.352
.250	8.500	YES	2.499
.250	9.000	YES	2.646
.250	10.000	YES	2.940
.250	10.125	YES	2.978
.250	10.875	YES	3.197

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BARS



Square & Rectangular

BARS

Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
.250	11.000	YES	3.300
.250	11.250	YES	3.308
.250	12.000	YES	3.528
.250	12.750	YES	3.748
.250	14.000	YES	4.116
.260	1.985	YES	.607
.260	2.515	YES	.769
.265	1.500	YES	.467
.270	.375	YES	.121
.281	1.000	YES	.337
.281	1.500	YES	.506
.300	.530	YES	.191
.300	.600	YES	.216
.300	1.375	YES	.485
.300	5.500	YES	1.940
.312	.312	YES	.116
.312	.375	YES	.140
.312	.500	YES	.187
.312	.562	YES	.206
.312	.625	YES	.234
.312	.750	YES	.281
.312	1.000	YES	.374
.312	1.125	YES	.421
.312	1.250	YES	.468
.312	1.375	YES	.515
.312	1.500	YES	.550
.312	1.625	YES	.596
.312	1.750	YES	.642
.312	1.875	YES	.688
.312	2.000	YES	.734
.312	2.250	YES	.826
.312	2.500	YES	.917
.312	2.750	YES	1.009
.312	3.000	YES	1.101
.312	3.250	YES	1.192
.312	3.500	YES	1.284
.312	3.750	YES	1.376
.312	4.000	YES	1.468
.312	4.062	YES	1.490
.312	4.250	YES	1.559
.312	4.750	YES	1.743
.312	5.000	YES	1.835
.312	5.500	YES	2.018
.312	6.000	YES	2.201
.312	6.500	YES	2.385

T	A	6061	WT / FT
.312	7.000	YES	2.568
.312	7.250	YES	2.660
.312	8.000	YES	2.935
.312	8.500	YES	3.119
.312	9.000	YES	3.302
.313	4.750	YES	1.748
.335	.500	YES	.202
.335	2.000	YES	.788
.335	2.500	YES	.985
.335	3.000	YES	1.182
.335	3.500	YES	1.379
.335	4.000	YES	1.576
.335	5.000	YES	1.970
.335	6.000	YES	2.364
.344	.625	YES	.258
.350	1.000	YES	.419
.364	.500	YES	.218
.375	.375	YES	.169
.375	.500	YES	.226
.375	.562	YES	.253
.375	.625	YES	.281
.375	.750	YES	.337
.375	.875	YES	.386
.375	1.000	YES	.450
.375	1.065	YES	.479
.375	1.125	YES	.496
.375	1.187	YES	.534
.375	1.250	YES	.551
.375	1.312	YES	.579
.375	1.360	YES	.606
.375	1.375	YES	.606
.375	1.500	YES	.662
.375	1.625	YES	.717
.375	1.720	YES	.759
.375	1.750	YES	.772
.375	1.812	YES	.800
.375	1.875	YES	.827
.375	2.000	YES	.882
.375	2.125	YES	.937
.375	2.250	YES	.992
.375	2.375	YES	1.047
.375	2.437	YES	1.075
.375	2.500	YES	1.103
.375	2.750	YES	1.213
.375	3.000	YES	1.323

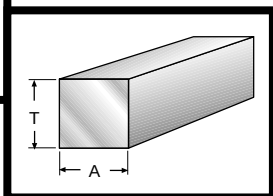
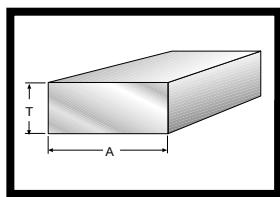
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BARS

Available in
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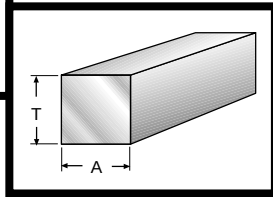
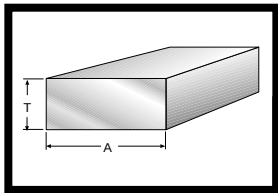
T	A	6061	WT / FT
.375	3.125	YES	1.378
.375	3.250	YES	1.433
.375	3.500	YES	1.544
.375	3.750	YES	1.654
.375	4.000	YES	1.764
.375	4.250	YES	1.874
.375	4.375	YES	1.929
.375	4.500	YES	1.984
.375	4.750	YES	2.095
.375	5.000	YES	2.250
.375	5.250	YES	2.315
.375	5.500	YES	2.426
.375	5.820	YES	2.567
.375	6.000	YES	2.646
.375	6.750	YES	2.977
.375	7.000	YES	3.087
.375	7.500	YES	3.308
.375	8.000	YES	3.528
.375	8.250	YES	3.638
.375	8.500	YES	3.748
.375	9.000	YES	3.969
.375	9.500	YES	4.190
.375	10.000	YES	4.410
.375	10.500	YES	4.630
.375	11.000	YES	4.851
.375	12.000	YES	5.292
.375	13.250	YES	5.843
.375	14.000	YES	6.174
.387	.887	YES	.409
.387	1.387	YES	.642
.394	.394	YES	.183
.398	.500	YES	.239
.437	.812	YES	.426
.437	1.000	YES	.525
.438	.438	YES	.230
.438	.500	YES	.263
.438	.750	YES	.394
.438	1.250	YES	.644
.438	2.000	YES	1.030
.438	2.125	YES	1.095
.438	3.000	YES	1.545
.438	6.000	YES	3.091
.440	1.000	YES	.518
.450	1.200	YES	.634
.469	1.220	YES	.673

T	A	6061	WT / FT
.472	.472	YES	.262
.500	.500	YES	.300
.500	.562	YES	.337
.500	.625	YES	.375
.500	.750	YES	.450
.500	.875	YES	.524
.500	1.000	YES	.588
.500	1.125	YES	.672
.500	1.250	YES	.735
.500	1.375	YES	.808
.500	1.500	YES	.882
.500	1.530	YES	.900
.500	1.600	YES	.941
.500	1.625	YES	.956
.500	1.750	YES	1.029
.500	1.875	YES	1.102
.500	2.000	YES	1.176
.500	2.188	YES	1.287
.500	2.250	YES	1.323
.500	2.500	YES	1.500
.500	2.750	YES	1.617
.500	2.875	YES	1.691
.500	2.938	YES	1.728
.500	3.000	YES	1.764
.500	3.024	YES	1.778
.500	3.250	YES	1.911
.500	3.500	YES	2.058
.500	3.625	YES	2.132
.500	3.750	YES	2.205
.500	4.000	YES	2.352
.500	4.250	YES	2.500
.500	4.500	YES	2.646
.500	5.000	YES	3.000
.500	5.500	YES	3.234
.500	5.875	YES	3.456
.500	6.000	YES	3.528
.500	6.125	YES	3.602
.500	6.250	YES	3.675
.500	6.500	YES	3.822
.500	7.000	YES	4.116
.500	7.125	YES	4.190
.500	7.150	YES	4.204
.500	7.500	YES	4.410
.500	7.750	YES	4.557
.500	8.000	YES	4.704

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Square & Rectangular

BARS

Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
.500	8.500	YES	4.998
.500	9.000	YES	5.292
.500	10.000	YES	5.880
.500	10.250	YES	6.027
.500	12.000	YES	7.056
.500	14.000	YES	8.232
.562	.562	YES	.379
.562	.750	YES	.505
.562	1.000	YES	.661
.562	1.250	YES	.826
.562	2.000	YES	1.322
.562	2.375	YES	1.570
.562	3.750	YES	2.478
.562	4.062	YES	2.685
.600	.800	YES	.565
.615	1.865	YES	1.349
.625	.625	YES	.469
.625	.750	YES	.551
.625	.875	YES	.643
.625	1.000	YES	.735
.625	1.125	YES	.827
.625	1.250	YES	.919
.625	1.270	YES	.933
.625	1.300	YES	.956
.625	1.375	YES	1.011
.625	1.500	YES	1.103
.625	1.750	YES	1.286
.625	1.800	YES	1.323
.625	2.000	YES	1.500
.625	2.250	YES	1.406
.625	2.375	YES	1.746
.625	2.500	YES	1.838
.625	2.625	YES	1.969
.625	2.750	YES	2.021
.625	3.000	YES	2.250
.625	3.250	YES	2.389
.625	3.500	YES	2.573
.625	4.000	YES	3.000
.625	4.250	YES	3.124
.625	4.300	YES	3.161
.625	5.000	YES	3.675
.625	5.500	YES	4.042
.625	6.000	YES	4.410
.625	7.000	YES	5.145
.625	8.000	YES	5.880

T	A	6061	WT / FT
.625	8.812	YES	6.477
.625	8.906	YES	6.546
.625	9.000	YES	6.615
.625	10.000	YES	7.350
.625	10.250	YES	7.534
.625	12.000	YES	8.820
.625	14.000	YES	10.290
.649	.709	YES	.552
.650	2.560	YES	1.882
.688	.688	YES	.568
.688	1.000	YES	.809
.688	1.156	YES	.935
.688	2.000	YES	1.618
.688	6.000	YES	4.854
.735	2.275	YES	1.966
.750	.750	YES	.662
.750	.875	YES	.772
.750	.965	YES	.851
.750	1.000	YES	.882
.750	1.125	YES	.992
.750	1.188	YES	1.048
.750	1.250	YES	1.103
.750	1.312	YES	1.157
.750	1.375	YES	1.213
.750	1.500	YES	1.323
.750	1.562	YES	1.378
.750	1.625	YES	1.433
.750	1.750	YES	1.543
.750	2.000	YES	1.764
.750	2.250	YES	1.984
.750	2.500	YES	2.205
.750	2.750	YES	2.426
.750	3.000	YES	2.646
.750	3.250	YES	2.866
.750	3.500	YES	3.087
.750	4.000	YES	3.528
.750	4.250	YES	3.749
.750	4.500	YES	3.969
.750	5.000	YES	4.410
.750	5.250	YES	4.631
.750	5.500	YES	4.851
.750	5.750	NO	5.072
.750	6.000	YES	5.292
.750	6.500	YES	5.733
.750	6.750	YES	5.954

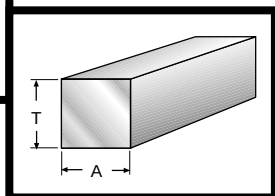
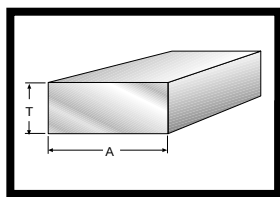
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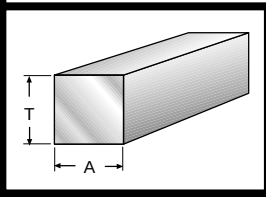
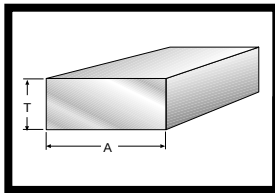
Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
.750	7.000	YES	6.174
.750	8.000	YES	7.056
.750	9.000	YES	7.938
.750	9.500	YES	8.379
.750	10.000	YES	8.820
.750	12.000	YES	10.584
.750	13.250	YES	11.686
.750	14.000	YES	12.348
.812	1.000	YES	.955
.812	1.500	YES	1.432
.812	2.000	YES	1.910
.875	.875	YES	.900
.875	1.250	YES	1.286
.875	1.375	YES	1.415
.875	1.500	YES	1.544
.875	1.750	YES	1.801
.875	2.000	YES	2.058
.875	2.125	YES	2.187
.875	3.000	YES	3.087
.875	3.500	YES	3.602
.875	5.000	YES	5.145
.875	6.000	YES	6.174
.875	6.500	YES	6.889
.875	7.000	YES	7.203
.875	8.000	YES	8.232
.875	8.750	YES	9.004
.875	9.000	YES	9.261
.875	10.000	YES	10.290
.875	12.000	YES	12.348
.875	14.000	YES	14.406
.938	.938	YES	1.035
.984	.984	YES	1.139
1.000	1.000	YES	1.176
1.000	1.125	YES	1.323
1.000	1.250	YES	1.500
1.000	1.281	YES	1.506
1.000	1.375	YES	1.617
1.000	1.500	YES	1.764
1.000	1.625	YES	1.911
1.000	1.750	YES	2.058
1.000	2.000	YES	2.352
1.000	2.062	YES	2.425
1.000	2.250	YES	2.646
1.000	2.375	YES	2.793
1.000	2.500	YES	2.940

T	A	6061	WT / FT
1.000	2.750	YES	3.234
1.000	3.000	YES	3.528
1.000	3.031	YES	3.564
1.000	3.250	YES	3.822
1.000	3.500	YES	4.116
1.000	3.750	YES	4.410
1.000	4.000	NO	4.704
1.000	4.250	YES	4.998
1.000	4.500	YES	5.292
1.000	5.000	YES	5.880
1.000	6.000	YES	7.056
1.000	6.500	YES	7.644
1.000	7.000	YES	8.232
1.000	8.000	YES	9.408
1.000	9.000	YES	10.584
1.000	9.500	YES	11.172
1.000	10.000	YES	11.760
1.000	12.000	YES	14.112
1.000	14.000	YES	16.464
1.042	4.125	NO	5.055
1.062	1.062	YES	1.326
1.125	1.125	YES	1.488
1.125	1.250	YES	1.654
1.125	1.500	YES	1.984
1.125	1.750	YES	2.315
1.125	2.000	YES	2.646
1.125	2.250	YES	2.977
1.125	2.500	YES	3.308
1.125	3.000	YES	3.970
1.125	5.000	YES	6.615
1.125	9.000	YES	11.907
1.187	2.875	YES	4.013
1.188	1.375	YES	1.921
1.188	2.375	YES	3.318
1.250	1.250	YES	1.838
1.250	1.500	YES	2.205
1.250	1.625	YES	2.389
1.250	1.750	YES	2.573
1.250	2.000	YES	2.940
1.250	2.250	YES	3.308
1.250	2.500	YES	3.675
1.250	2.750	YES	4.043
1.250	3.000	YES	4.410
1.250	3.250	YES	4.778
1.250	3.500	YES	5.145

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Square & Rectangular

BARS

Available in
6061 & 6063 Alloys

T	A	6061	WT / FT
1.250	3.750	YES	5.512
1.250	4.000	YES	5.880
1.250	4.250	YES	6.248
1.250	4.500	YES	6.615
1.250	5.000	YES	7.350
1.250	5.500	YES	8.085
1.250	6.000	YES	8.820
1.250	6.500	YES	9.555
1.250	7.000	YES	10.290
1.250	8.000	YES	11.760
1.250	9.000	YES	13.230
1.250	9.250	YES	13.598
1.250	9.500	YES	13.965
1.250	10.000	YES	14.700
1.250	12.000	YES	17.640
1.250	14.000	YES	20.580
1.335	1.865	YES	2.988
1.375	1.375	YES	2.268
1.375	1.500	YES	2.426
1.375	1.625	YES	2.628
1.375	1.750	YES	2.830
1.375	2.250	YES	3.638
1.375	2.750	YES	4.447
1.375	3.000	YES	4.851
1.375	3.625	YES	5.861
1.375	4.000	YES	6.468
1.500	1.500	YES	2.646
1.500	1.625	YES	2.867
1.500	1.750	YES	3.087
1.500	2.000	YES	3.600
1.500	2.250	YES	4.053
1.500	2.500	YES	4.410
1.500	2.750	YES	4.851
1.500	3.000	NO	5.292
1.500	3.250	YES	5.733
1.500	3.500	YES	6.174
1.500	4.000	YES	7.056
1.500	4.500	YES	8.100
1.500	5.000	YES	8.820
1.500	5.500	YES	9.702
1.500	6.000	YES	10.584
1.500	6.500	YES	11.466
1.500	7.000	YES	12.348
1.500	7.500	YES	13.230
1.500	8.000	YES	14.112

T	A	6061	WT / FT
1.500	8.500	YES	14.994
1.500	9.000	YES	15.876
1.500	10.000	YES	17.640
1.500	12.000	YES	21.168
1.500	14.000	YES	24.696
1.625	1.625	YES	3.105
1.625	1.750	YES	3.344
1.625	2.000	YES	3.822
1.625	3.000	YES	5.733
1.750	1.750	YES	3.676
1.750	2.000	YES	4.116
1.750	2.250	YES	4.726
1.750	2.500	YES	5.145
1.750	2.750	YES	5.660
1.750	3.000	YES	6.174
1.750	3.250	YES	6.689
1.750	3.500	YES	7.203
1.750	3.750	YES	7.718
1.750	4.000	YES	8.232
1.750	4.500	YES	9.261
1.750	5.000	YES	10.290
1.750	5.500	YES	11.319
1.750	6.000	YES	12.348
1.875	1.875	YES	4.134
1.875	2.000	YES	4.500
2.000	2.000	YES	4.704
2.000	2.250	YES	5.292
2.000	2.500	YES	5.880
2.000	2.750	YES	6.468
2.000	3.000	YES	7.056
2.000	3.125	YES	7.350
2.000	3.250	YES	7.644
2.000	3.500	YES	8.232
2.000	4.000	YES	9.408
2.000	4.250	YES	10.200
2.000	4.500	YES	10.584
2.000	5.000	YES	11.760
2.000	6.000	YES	14.112
2.000	6.250	YES	14.700
2.000	6.500	YES	15.288
2.000	7.000	YES	16.464
2.000	8.000	YES	18.816
2.000	8.500	YES	19.992
2.000	9.000	YES	21.168
2.000	10.000	YES	23.520

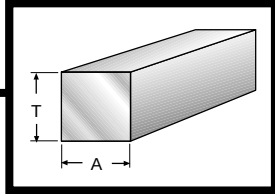
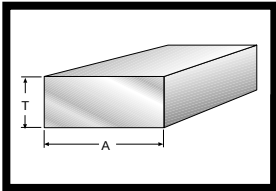
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Square & Rectangular



BARS

Available in
6061 & 6063 Alloys

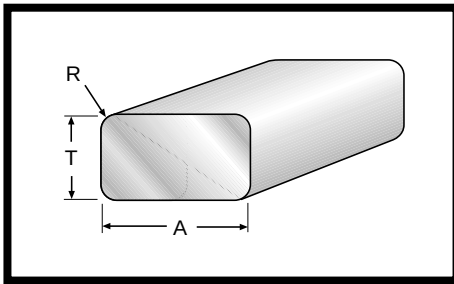
T	A	6061	WT / FT
2.000	12.000	YES	28.224
2.000	14.000	YES	32.928
2.125	2.125	YES	5.419
2.250	2.250	YES	5.954
2.250	2.500	YES	6.750
2.250	2.625	YES	7.087
2.250	2.750	YES	7.277
2.250	3.000	YES	7.938
2.250	3.250	YES	8.776
2.250	3.500	YES	9.261
2.250	3.750	YES	9.922
2.250	4.000	YES	10.584
2.250	4.500	YES	11.907
2.250	5.000	YES	13.230
2.250	5.500	YES	14.553
2.250	6.000	YES	16.173
2.312	2.312	YES	6.414
2.375	2.375	YES	6.768
2.500	2.500	YES	7.350
2.500	2.625	YES	7.718
2.500	2.750	YES	8.250
2.500	3.000	YES	8.820
2.500	3.250	YES	9.555
2.500	3.500	YES	10.290
2.500	4.000	YES	11.760
2.500	4.500	YES	13.230
2.500	5.000	YES	14.700
2.500	6.000	YES	17.640
2.625	4.000	YES	12.348
2.625	4.250	YES	13.388
2.625	4.750	YES	14.963
2.750	2.750	YES	8.894
2.750	3.000	YES	9.702
2.750	3.250	YES	10.510
2.750	3.500	YES	11.319
2.750	3.750	YES	12.376
2.750	4.000	YES	12.936
2.750	4.250	YES	13.744
2.750	4.750	YES	15.674
2.750	5.000	YES	16.500
2.750	5.250	YES	17.326
2.750	5.375	YES	17.736
2.750	5.500	YES	17.787
2.750	6.500	YES	21.021
3.000	3.000	YES	10.584

T	A	6061	WT / FT
3.000	3.500	YES	12.348
3.000	4.000	YES	14.112
3.000	4.500	YES	15.876
3.000	5.000	YES	17.640
3.000	5.500	YES	19.404
3.000	6.000	YES	21.168
3.250	3.250	YES	12.422
3.500	3.500	YES	14.406
3.500	3.625	YES	14.920
3.500	4.000	YES	16.464
3.500	4.500	YES	18.522
3.500	4.750	YES	19.551
3.500	5.250	YES	21.609
3.500	5.500	YES	22.638
3.500	8.000	YES	32.928
3.500	10.000	YES	41.160
3.750	3.750	YES	16.538
4.000	4.000	YES	18.816
4.000	4.500	YES	21.168
4.000	5.000	YES	23.520
4.000	6.000	YES	28.224
4.250	6.000	YES	29.988
4.500	4.500	YES	23.814
4.500	5.000	YES	26.460
4.500	6.000	YES	31.752
5.000	5.000	YES	29.400
5.000	5.500	YES	32.340
5.000	6.000	YES	35.280
5.500	5.500	YES	35.574
6.000	6.000	YES	42.336
6.500	6.500	YES	49.686

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Rectangular Round Corners



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Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.125	.500	.031	YES	.073
.125	.625	.062	YES	.088
.125	.750	.031	YES	.109
.125	1.000	.031	YES	.146
.125	1.000	.062	YES	.142
.125	1.125	.031	YES	.168
.125	1.250	.062	YES	.180
.125	1.500	.025	YES	.226
.125	1.500	.062	NO	.221
.125	2.000	.031	YES	.293
.125	2.500	.031	YES	.363
.125	3.500	.031	YES	.524
.125	4.000	.062	YES	.584
.160	2.000	.010	YES	.374
.160	5.500	.010	YES	1.056
.175	3.250	.031	YES	.682
.188	.500	.031	YES	.112
.188	.625	.031	YES	.140
.188	.750	.025	YES	.169
.188	.750	.031	YES	.165
.188	.750	.062	YES	.166
.188	1.000	.062	YES	.216
.188	1.250	.062	YES	.278
.188	1.500	.063	YES	.334
.188	1.625	.062	YES	.366
.188	2.000	.025	YES	.451
.188	2.000	.031	YES	.450
.188	2.000	.094	YES	.433
.219	4.000	.109	YES	1.018
.250	.625	.093	YES	.179
.250	.750	.031	YES	.224
.250	.750	.125	YES	.205
.250	1.000	.062	YES	.290
.250	1.000	.093	YES	.291
.250	1.000	.125	YES	.279
.250	1.500	.062	YES	.437
.250	1.500	.125	YES	.426
.250	1.750	.062	YES	.510
.250	2.000	.062	YES	.584
.250	2.000	.125	YES	.573
.250	2.250	.125	YES	.646
.250	2.500	.062	YES	.720
.250	2.500	.125	YES	.719
.250	3.000	.062	YES	.878
.250	3.000	.125	YES	.867

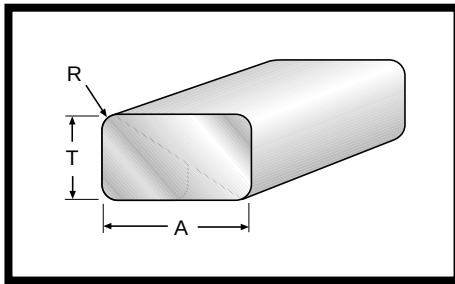
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Rectangular Round Corners



BARS

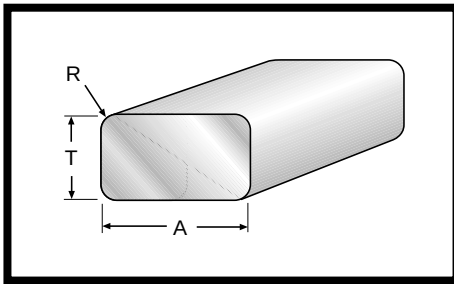
Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.250	3.500	.062	YES	1.025
.250	4.000	.062	YES	1.172
.250	4.000	.125	YES	1.184
.250	4.500	.125	YES	1.308
.250	5.000	.062	YES	1.466
.250	5.000	.125	YES	1.455
.250	5.500	.032	YES	1.649
.250	5.375	.125	YES	1.564
.250	6.000	.062	YES	1.760
.250	6.000	.125	YES	1.749
.250	6.500	.125	YES	1.896
.250	7.000	.125	YES	2.043
.250	8.000	.062	YES	2.347
.250	8.000	.125	YES	2.337
.280	2.000	.140	YES	1.641
.281	.906	.062	YES	.301
.281	3.000	.140	YES	.972
.281	4.000	.140	YES	1.302
.312	1.000	.010	YES	.374
.312	3.875	.016	YES	1.451
.312	4.500	.062	YES	1.681
.312	4.750	.031	YES	1.783
.312	7.000	.031	YES	2.620
.312	7.500	.032	YES	2.806
.375	.375	.062	YES	.161
.375	1.000	.062	YES	.446
.375	1.000	.187	YES	.406
.375	1.250	.188	YES	.516
.375	1.500	.062	YES	.672
.375	1.500	.125	YES	.646
.375	2.000	.031	YES	.899
.375	2.000	.062	YES	.878
.375	2.000	.187	YES	.847
.375	2.500	.031	YES	1.126
.375	3.000	.062	YES	1.319
.375	3.000	.187	YES	1.288
.375	4.000	.062	YES	1.760
.375	4.000	.187	YES	1.729
.375	5.000	.062	YES	2.201
.375	5.000	.188	YES	2.170
.375	6.000	.062	YES	2.642
.375	6.000	.187	YES	2.611
.375	7.250	.031	YES	3.261
.375	8.000	.062	YES	3.524
.375	8.500	.031	YES	3.824

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Rectangular Round Corners



BARS

Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.375	10.000	.062	YES	4.406
.375	12.000	.063	YES	5.395
.500	.875	.031	YES	.524
.500	1.000	.025	YES	.600
.500	1.250	.062	YES	.746
.500	1.500	.062	YES	.878
.500	1.500	.125	YES	.884
.500	2.000	.031	YES	1.199
.500	2.000	.062	YES	1.172
.500	2.000	.188	YES	1.164
.500	2.000	.250	YES	1.135
.500	2.500	.062	YES	1.466
.500	3.000	.025	YES	.800
.500	3.000	.062	YES	1.760
.500	3.000	.250	YES	1.700
.500	4.000	.031	YES	2.399
.500	4.000	.062	YES	2.348
.500	4.000	.250	YES	2.288
.500	5.000	.062	YES	2.936
.500	5.000	.200	YES	2.959
.500	5.000	.250	YES	2.876
.500	5.500	.188	YES	3.264
.500	6.000	.062	YES	3.524
.500	6.000	.250	YES	3.464
.500	8.000	.062	YES	4.700
.500	8.375	.062	YES	5.021
.500	9.000	.031	YES	5.400
.500	10.000	.062	YES	5.876
.562	2.000	.188	YES	1.313
.625	1.000	.100	YES	.740
.625	2.500	.095	YES	1.866
.625	3.000	.062	YES	2.246
.625	4.000	.062	YES	2.996
.625	4.250	.031	YES	3.186
.625	5.000	.062	YES	3.671
.625	6.000	.125	YES	4.484
.625	6.000	.312	YES	4.311
.750	1.250	.062	YES	1.121
.750	3.000	.375	YES	2.504
.750	4.000	.062	YES	3.596
.750	4.000	.375	YES	3.386
.750	5.000	.062	YES	4.406
.750	5.000	.375	YES	4.268
.750	6.000	.062	YES	5.396
.750	7.000	.030	YES	6.300

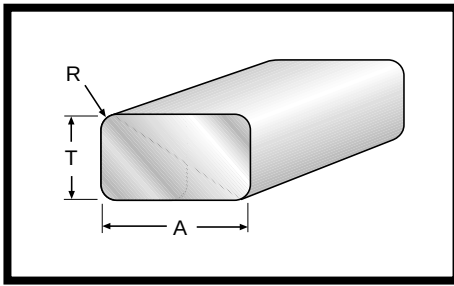
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Rectangular Round Corners



BARS

Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.750	8.500	.062	YES	7.645
.750	8.875	.062	YES	7.984
.750	10.000	.062	YES	8.996
.750	12.000	.062	YES	10.796
1.000	1.000	.188	YES	1.162
1.000	1.375	.062	YES	1.613
1.000	1.750	.500	YES	1.842
1.000	2.000	.060	YES	2.348
1.000	2.000	.250	YES	2.335
1.000	2.000	.125	YES	2.384
1.000	2.500	.125	YES	2.984
1.000	2.625	.063	YES	3.146
1.000	6.500	.032	YES	7.799
1.000	8.000	.250	YES	9.344
1.000	10.000	.062	YES	11.756
1.000	12.000	.063	YES	14.398
1.000	12.000	.188	YES	14.077
1.000	14.000	.032	YES	16.799
1.063	1.250	.125	YES	1.578
1.188	1.750	.062	YES	2.491
1.250	1.250	.031	YES	.018
1.250	1.375	.063	YES	2.058
1.250	1.500	.063	YES	2.246
1.250	1.625	.062	YES	2.433
1.250	1.750	.062	YES	2.621
1.250	2.500	.063	YES	3.746
1.250	3.000	.063	YES	4.496
1.500	3.000	.250	YES	5.335
1.500	10.000	.031	YES	17.999
2.000	2.500	.063	YES	5.996
2.250	2.250	.063	YES	6.071
2.750	2.75	.438	YES	8.878
3.000	3.000	.062	YES	10.796
3.000	3.000	.438	YES	10.603
3.500	4.500	.125	YES	18.883

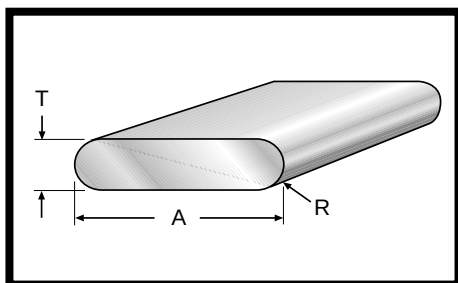
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Bus Bar Full Round Radius



BARS

Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.057	.906	.028	NO	.061
.062	.750	.031	NO	.055
.062	1.500	.031	NO	.110
.062	2.000	.031	NO	.149
.080	3.250	.040	NO	.311
.090	.750	.045	NO	.079
.094	.500	.047	NO	.054
.094	.625	.047	NO	.068
.094	1.000	.047	NO	.109
.094	2.976	.047	YES	.330
.094	5.300	.047	YES	.589
.118	.430	.059	YES	.058
.120	1.250	.060	NO	.176
.125	.375	.062	NO	.053
.125	.500	.062	NO	.071
.125	.625	.062	NO	.090
.125	.750	.062	NO	.108
.125	1.000	.062	NO	.142
.125	1.220	.062	NO	.179
.125	1.250	.062	NO	.184
.125	1.500	.062	NO	.221
.125	2.000	.062	NO	.296
.125	2.500	.062	NO	.371
.125	3.000	.062	NO	.446
.125	3.250	.062	NO	.484
.125	3.500	.062	NO	.521
.125	4.000	.062	NO	.584
.125	4.250	.062	NO	.634
.125	4.500	.062	NO	.671
.125	5.000	.062	NO	.746
.125	5.500	.062	NO	.821
.125	6.000	.062	NO	.896
.126	.750	.062	NO	.108
.140	.750	FULL	NO	.121
.175	.650	.087	YES	.128
.188	.500	.094	YES	.103
.188	.750	.094	YES	.161
.188	1.000	.094	YES	.216
.188	1.500	.094	YES	.329
.188	2.000	.094	YES	.442
.188	2.500	.094	YES	.555
.188	3.000	.094	YES	.664
.188	3.500	.094	YES	.780
.188	4.500	.094	YES	1.006
.250	.750	.125	YES	.205

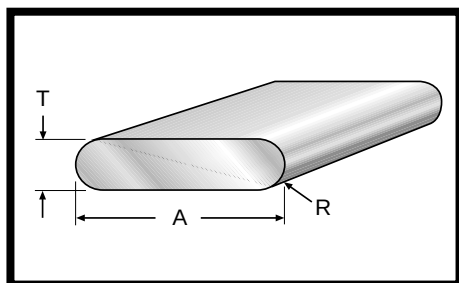
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Bus Bar Full Round Radius



BARS

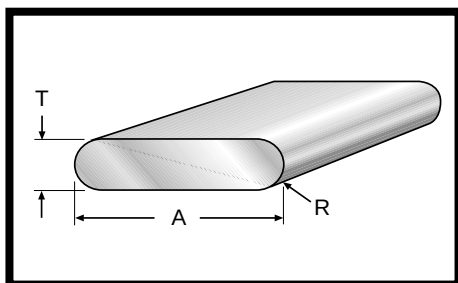
Available in
6061 & 6063 Alloys

T	A	R	6061	WT / FT
.250	.875	.125	YES	.254
.250	1.000	.125	YES	.284
.250	1.250	.125	YES	.359
.250	1.500	.125	YES	.426
.250	1.625	.125	YES	.472
.250	1.750	.125	YES	.509
.250	2.000	.125	YES	.573
.250	2.250	.125	YES	.646
.250	2.375	.125	YES	.697
.250	2.437	.125	YES	.715
.250	2.500	.125	YES	.719
.250	2.750	.125	YES	.809
.250	3.000	.125	YES	.867
.250	3.250	.125	YES	.961
.250	3.375	.125	YES	.996
.250	3.500	.125	YES	1.034
.250	4.000	.125	YES	1.184
.250	4.250	.125	YES	1.260
.250	4.500	.125	YES	1.308
.250	5.000	.125	YES	1.455
.250	5.250	.125	YES	1.559
.250	6.000	.125	YES	1.749
.250	6.250	.125	YES	1.859
.250	6.500	.125	YES	1.896
.250	7.000	.125	YES	2.043
.250	8.000	.125	YES	2.337
.250	8.500	.125	YES	2.534
.281	1.000	.140	YES	.317
.281	1.460	.140	YES	.482
.281	1.500	.140	YES	.486
.281	2.000	.140	YES	.654
.281	3.000	.140	YES	.991
.281	4.000	.140	YES	1.302
.281	5.000	.140	YES	1.667
.281	6.000	.140	YES	2.003
.312	1.000	.156	YES	.343
.312	2.000	.156	YES	.725
.312	2.250	.156	YES	.818
.312	3.250	.156	YES	1.192
.375	.750	.188	YES	.301
.375	.844	.188	YES	.349
.375	1.000	.187	YES	.406
.375	1.250	.188	YES	.527
.375	1.500	.188	YES	.638
.375	1.750	.188	YES	.751

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Bus Bar Full Round Radius



BARS

Available in
6061 & 6063 Alloys

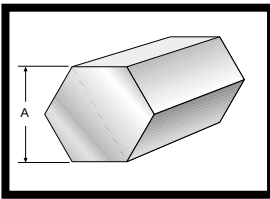
T	A	R	6061	WT / FT
.375	2.000	.187	YES	.847
.375	2.500	.188	YES	1.089
.375	3.000	.187	YES	1.288
.375	4.000	.187	YES	1.729
.375	4.188	.188	YES	1.848
.375	4.500	.188	YES	1.989
.375	5.000	.188	YES	2.214
.375	6.000	.187	YES	2.664
.400	4.000	.200	YES	1.879
.500	1.000	.250	YES	.535
.500	1.450	.250	YES	.805
.500	1.500	.250	YES	.835
.500	2.000	.250	YES	1.135
.500	2.500	.250	YES	1.435
.500	3.000	.250	YES	1.735
.500	4.000	.250	YES	2.335
.500	5.000	.250	YES	2.876
.500	6.000	.250	YES	3.535
.500	6.500	.250	YES	3.835
.500	8.000	.250	YES	4.735
.625	4.000	.313	YES	2.898
.625	5.990	.313	YES	4.324
.625	6.000	.313	YES	4.399
.750	3.000	.375	YES	2.555
.750	4.000	.375	YES	3.386
.750	6.000	.375	YES	5.255
1.000	1.750	.500	YES	1.842
1.000	2.000	.500	YES	2.146
1.000	3.000	.500	YES	3.346

BARS

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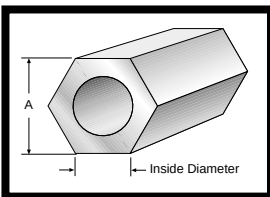
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BARS

A	WT / FT	PERIMETER
.312	.101	1.072
.375	.146	1.289
.438	.199	1.505
.500	.260	1.732
.551	.309	1.908
.562	.329	1.947
.563	.328	1.949
.625	.406	2.165
.688	.492	2.383
.750	.584	2.598
.812	.685	2.803
.813	.673	2.815
.827	.696	2.863
.866	.764	2.998
.875	.796	3.033
.938	.914	3.249
.941	.902	3.258
1.000	1.039	3.464
1.062	1.172	3.669
1.125	1.315	3.887
1.188	1.466	4.105
1.250	1.624	4.330
1.281	1.705	4.427
1.312	1.753	4.542
1.375	1.964	4.753

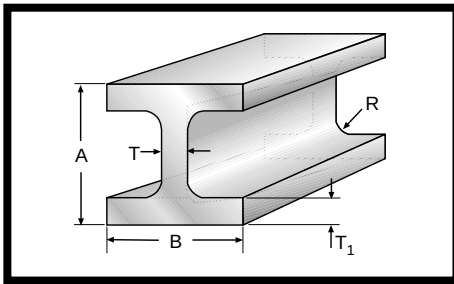
A	WT / FT	PERIMETER
1.438	2.149	4.971
1.440	2.157	4.985
1.500	2.339	5.196
1.562	2.536	5.401
1.625	2.744	5.629
1.688	2.962	5.837
1.750	3.182	6.063
1.812	3.412	6.267
1.875	3.654	6.495
1.938	3.904	6.703
2.000	4.157	6.928
2.250	5.267	7.789
2.268	5.346	7.852
2.375	5.745	8.222
2.438	6.053	8.440
2.500	6.365	8.655
2.625	7.018	9.088
2.750	7.702	9.521
2.875	8.418	9.953
3.000	9.166	10.386
3.125	10.151	10.819
3.250	10.757	11.251
3.625	13.383	12.550
3.750	14.321	12.983

Hexagon Bars
with Round Holes

A	INSIDE DIAMETER	6061	WT / FT	PERIMETER
.500	.219	NO	.215	2.420
.563	.320	YES	.233	2.956
.688	.440	YES	.310	3.766
.750	.500	YES	.349	4.169
.875	.625	YES	.427	4.955
1.000	.750	YES	.523	5.789
1.125	.855	YES	.626	6.583
1.250	.980	YES	.719	7.409
1.438	1.187	YES	.821	8.710
1.750	1.500	YES	1.062	10.775
1.938	1.688	YES	1.218	12.016
2.125	1.812	YES	1.598	13.054
2.188	1.940	YES	1.428	13.764
2.500	2.094	YES	2.363	15.238

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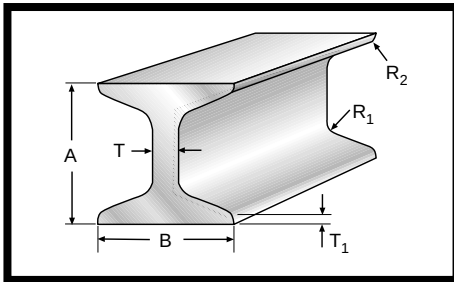
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I-BEAMS

Available in
6061 & 6063 Alloys

A	B	T	T1	R	6061	WT / FT
3.000	2.500	.130	.200	.250	YES	1.637
3.000	2.500	.150	.260	.250	YES	2.030
4.000	3.000	.150	.230	.250	YES	2.311
4.000	3.000	.170	.290	.250	YES	2.793
5.000	3.500	.190	.320	.300	YES	3.700
6.000	4.000	.190	.290	.300	YES	4.030
6.000	4.000	.210	.350	.300	YES	4.692
7.000	4.500	.230	.380	.300	YES	5.799
8.000	5.000	.230	.350	.300	YES	6.181
8.000	5.000	.250	.410	.300	YES	7.023
9.000	5.500	.270	.440	.300	YES	8.361
10.000	6.000	.250	.410	.400	YES	8.647
10.000	6.000	.290	.500	.400	YES	10.286
12.000	7.000	.290	.470	.400	YES	11.671
12.000	7.000	.310	.620	.400	YES	14.292



Standard Structural

I-BEAMS

Available in
6061 & 6063 Alloys

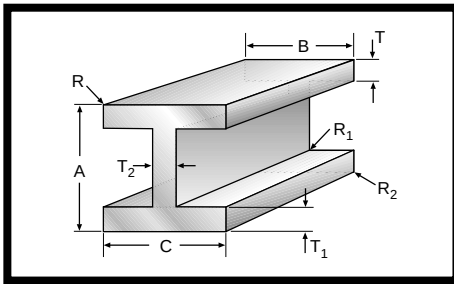
A	B	T	T-1	R-1	R-2	6061	WT / FT
3.000	2.330	.170	.170	.270	.100	YES	1.963
3.000	2.509	.349	.170	.270	.100	YES	2.561
4.000	2.600	.190	.190	.290	.110	YES	2.646
4.000	2.660	.190	.190	.290	.110	YES	2.644
4.000	2.796	.326	.190	.290	.110	YES	3.283
5.000	3.000	.210	.210	.310	.130	YES	3.430
5.000	3.137	.347	.210	.310	.130	YES	4.234
5.000	3.284	.494	.210	.310	.130	YES	5.104
6.000	3.330	.230	.230	.330	.140	YES	4.304
6.000	3.443	.343	.230	.330	.140	YES	5.104
6.000	3.565	.465	.230	.330	.140	YES	5.962
7.000	3.755	.345	.250	.350	.150	YES	6.056
8.000	4.000	.270	.270	.370	.160	YES	6.350
8.000	4.262	.532	.270	.370	.160	YES	8.808
10.000	4.660	.310	.310	.410	.190	YES	8.761
10.000	4.797	.447	.310	.410	.190	YES	10.372
10.000	4.944	.594	.310	.410	.190	YES	12.101
12.000	5.000	.350	.350	.450	.210	YES	10.996
12.000	5.078	.428	.350	.450	.210	YES	12.089
12.000	5.520	.460	.460	.560	.280	YES	14.077

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I-BEAMS

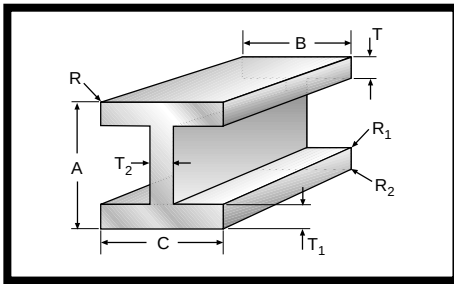
A	B	C	T	T-1	T-2	R	R-1	R-2	6061	WT / FT	PER
.205	.375	.375	.040	.040	.040	----	----	----	NO	.042	1.736
.250	.500	.500	.045	.045	.045	.031	----	----	NO	.061	2.064
.280	1.000	1.000	.050	.050	.050	----	----	----	NO	.131	4.460
.290	1.500	1.500	.050	.050	----	----	----	----	NO	.191	6.428
.375	.812	.812	.040	.040	.125	----	----	----	NO	.131	3.748
.380	.880	.880	.065	.065	.150	.031	----	.031	NO	.180	5.556
.464	1.000	1.000	.062	.062	----	----	----	----	NO	.174	4.752
.419	.500	1.250	.062	.062	.062	----	----	----	NO	.152	4.214
.477	.438	.438	.062	.062	.062	.031	----	.031	NO	.086	2.453
.500	1.250	1.250	.075	.062	----	.038	----	.038	NO	.257	5.740
.500	1.250	1.250	.078	.078	----	----	----	----	NO	.266	5.792
.504	.375	.375	.125	.125	.175	.047	.047	.047	YES	.164	1.916
.630	1.055	1.055	.055	.055	.055	.028	----	.028	NO	.174	5.370
.639	1.562	1.562	.062	.062	.062	----	----	----	NO	.271	7.402
.825	1.875	1.875	.094	.094	.250	----	.062	----	YES	.624	8.581
.844	1.875	1.875	.094	.094	.250	----	.062	----	YES	.616	8.688
1.000	1.375	----	----	----	.094	----	.125	----	YES	.401	7.250
1.000	.750	.750	.125	.125	.125	----	----	----	YES	.337	4.750
1.010	1.000	1.000	.050	.050	----	----	----	----	NO	.174	5.868
1.100	1.462	1.462	.050	.062	----	----	----	----	NO	.250	7.872
1.125	1.500	1.500	.062	.062	.062	----	----	----	NO	.298	8.186
1.219	1.500	1.500	.050	.050	.050	.050	----	----	NO	.245	8.274
1.250	1.250	1.250	.094	.094	----	.015	.047	.015	NO	.403	7.180
1.250	1.600	1.600	.062	.062	----	FULL	----	FULL	NO	.319	8.670
1.250	1.662	1.662	.062	.062	----	FULL	.050	FULL	NO	.331	8.833
1.250	2.000	2.000	.062	.062	----	FULL	----	FULL	NO	.380	10.255
1.470	1.000	1.000	.060	.060	----	.015	----	.015	NO	.240	6.721
1.489	.422	.422	.062	.062	----	.030	----	----	NO	.173	4.716
1.500	2.125	----	----	----	.094	----	.125	.594	YES	.594	11.250
1.590	1.125	1.125	.092	.092	----	----	----	----	NO	.404	7.452
1.625	.562	.562	.060	.066	----	----	----	----	NO	.190	5.331
1.634	2.386	2.386	.062	.062	----	FULL	----	FULL	NO	.466	12.567
1.970	1.000	1.000	.060	.060	----	.015	----	.015	NO	.276	7.721
2.000	2.000	----	----	----	.125	----	.125	.863	YES	.863	11.750
2.000	2.500	2.500	.240	.156	----	.031	----	.031	NO	1.781	13.964
2.055	2.000	2.000	.125	.094	----	----	.031	----	NO	.803	11.893
2.100	1.420	1.420	.050	.050	----	----	----	----	NO	.289	9.970
2.100	1.630	1.630	.050	.050	----	----	----	----	NO	.314	10.660
2.110	1.375	1.375	.055	.055	----	----	----	.055	NO	.307	9.535
2.200	1.500	1.500	.055	.055	----	.055	----	----	NO	.331	10.255
2.220	1.375	1.375	.055	.055	----	----	----	.055	NO	.314	9.754
2.395	1.750	1.750	.062	.062	----	----	----	----	NO	.430	11.619
2.411	.850	.850	.070	.070	----	----	----	----	NO	.334	8.030
3.000	2.000	2.000	.125	.125	----	FULL	.187	FULL	NO	1.040	13.216
3.125	.750	.750	.063	.125	----	----	----	----	NO	.563	8.966

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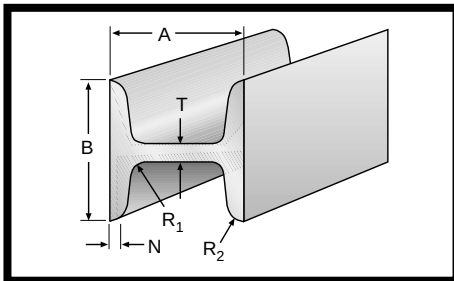
Miscellaneous Rounded or Sharp Corners



I-BEAMS

Available in
6061 & 6063 Alloys

A	B	C	T	T-1	T-2	R	R-1	R-2	6061	WT / FT	PER
3.125	.750	.750	.063	.125	----	----	----	----	NO	.563	8.966
3.250	2.000	2.000	.125	.188	----	----	----	----	NO	1.277	14.047
3.610	1.375	1.375	.055	.055	----	----	----	----	NO	.412	12.592
3.970	1.500	1.500	.075	.062	----	FULL	----	FULL	NO	.551	13.705
4.000	3.000	----	----	----	.156	----	.188	1.789	YES	1.789	19.624
4.000	3.500	----	----	----	.188	----	.188	2.348	YES	2.348	21.624
4.000	3.500	----	----	----	.250	----	.188	3.060	YES	3.060	21.624
4.000	4.000	----	----	----	.312	----	.250	4.258	YES	4.258	23.500



Structural

H-BEAMS

Available in
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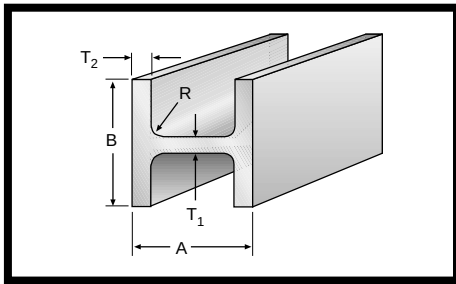
A	B	T	N	R1	R2	WT / FT
2.000	2.000	.188	.188	.188	.094	1.465
4.000	4.000	.313	.290	.313	.145	4.704
5.000	5.000	.313	.330	.313	.165	6.444
6.000	5.938	.250	.360	.313	.180	8.809
6.000	6.000	.313	.360	.313	.180	8.303
6.000	6.125	.438	.360	.313	.180	9.205
8.000	7.938	.313	.358	.313	.179	11.196
8.000	8.000	.375	.358	.313	.179	11.772
8.000	8.125	.500	.358	.313	.179	12.948

BEAMS

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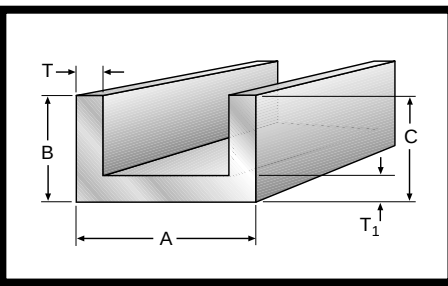
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BEAMS

Available in
6061 & 6063 Alloys

A	B	T1	T2	R	WT / FT
2.000	2.000	.125	.125	----	.863
3.000	2.500	.150	.260	.250	2.030
3.000	2.500	.188	.188	.250	1.780
3.000	3.000	.100	.100	.125	1.072
3.250	3.000	.375	.312	.010	3.428
4.000	1.875	.150	.188	.125	1.514
4.000	2.000	.125	.125	.125	1.178
6.000	4.000	.190	.290	.300	4.030
6.000	4.000	.230	.279	.250	4.160
6.000	6.000	.240	.269	.250	5.399
8.000	5.000	.230	.350	.300	6.181
8.000	5.000	.250	.410	.300	7.023
8.000	5.250	.230	.308	.320	5.906
8.000	6.500	.245	.398	.400	8.323
8.000	8.000	.288	.433	.400	10.725
9.750	7.964	.292	.433	.500	11.414
9.900	5.750	.240	.340	.312	7.297
11.940	8.000	.294	.516	.600	13.844
12.060	10.000	.345	.576	.600	18.337



CHANNELS

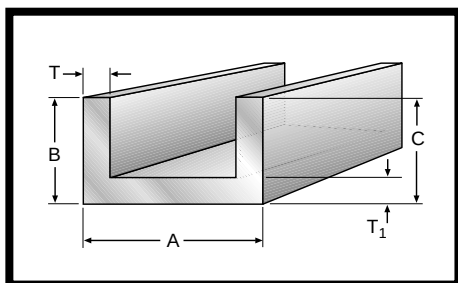
Available in
6061 & 6063 Alloys

A	B	C	T	T-1	6061	WT / FT	PERIMETER
.375	.125	.125	.062	.090	NO	.043	1.070
.375	.312	.312	.062	.062	NO	.070	1.874
.375	.375	.375	.062	.062	NO	.074	2.126
.375	.375	.375	.109	.109	NO	.143	1.980
.375	.500	.500	.062	.062	NO	.090	2.571
.375	1.000	1.000	.062	.062	NO	.168	4.626
.391	.438	.438	.060	.060	NO	.084	2.438
.391	.500	.500	.062	.062	NO	.095	2.658
.422	1.188	1.188	.062	.062	NO	.199	5.476
.438	1.000	1.000	.062	.062	NO	.172	4.750
.448	.250	.250	.062	.062	NO	.062	1.788
.490	.470	.470	.095	.095	YES	.158	2.670
.492	.500	.500	.090	.090	NO	.156	2.770
.500	.125	.125	.062	.070	NO	.056	1.360
.500	.312	.312	.062	.062	NO	.072	2.110
.500	.375	.375	.062	.062	NO	.084	2.376
.500	.375	.375	.125	.125	YES	.150	2.250
.500	.406	.406	.125	.062	YES	.114	2.500
.500	.500	.500	.045	.042	NO	.076	2.876
.500	.500	.500	.062	.062	NO	.102	2.876
.500	.500	.500	.062	.125	NO	.131	2.750
.500	.500	.500	.094	.094	YES	.143	2.820
.500	.500	.500	.125	.125	YES	.187	2.695
.500	.625	.625	.050	.050	NO	.098	3.366
.500	.750	.750	.093	.093	NO	.203	3.814
.500	.750	.750	.125	.125	YES	.263	3.750
.500	1.125	1.125	.075	.094	YES	.242	5.312
.501	.488	.488	.062	.062	NO	.101	2.792
.562	.500	.500	.125	.125	YES	.193	2.874
.500	.625	.625	.062	.062	NO	.126	3.466
.585	.585	.585	.094	.078	NO	.163	3.360
.600	.180	.180	.040	.040	NO	.042	1.840
.616	.180	.160	.040	.040	NO	.044	1.802
.616	.625	.625	.058	.058	NO	.121	3.582
.620	.985	.985	.100	.530	YES	.504	4.120
.625	.150	.150	.050	.050	NO	.049	1.750
.625	.438	.438	.093	.093	NO	.146	2.816
.625	.500	.500	.062	.062	NO	.108	3.120
.625	.550	.550	.062	.062	NO	.119	3.296
.625	.625	.625	.062	.062	NO	.132	3.624
.625	.625	.625	.125	.125	YES	.244	3.500
.625	.750	.750	.062	.062	NO	.149	4.126
.625	.937	.937	.062	.062	NO	.176	4.840
.630	.555	.555	.060	.060	NO	.116	3.360
.630	1.500	1.500	.125	.125	YES	.497	7.010

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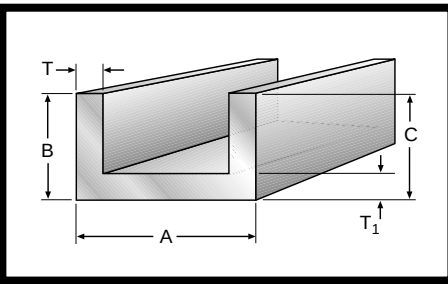
Available in
6061 & 6063 Alloys

CHANNELS

A	B	C	T	T-1	6061	WT / FT	PERIMETER
.640	.312	.312	.040	.040	NO	.056	2.414
.641	.219	.219	.135	.078	NO	.106	2.002
.645	.250	.250	.045	.045	NO	.056	2.200
.646	1.000	1.000	.065	.065	NO	.197	5.162
.650	.500	.500	.090	.090	NO	.158	3.086
.650	.575	.575	.090	.090	NO	.175	3.386
.660	.750	.750	.050	.060	NO	.131	4.200
.670	.320	.320	.060	.080	NO	.098	2.460
.688	.812	.812	.050	.050	NO	.133	4.490
.688	.812	.812	.062	.062	NO	.163	4.466
.750	.250	.250	.094	.094	YES	.120	2.312
.750	.312	.312	.062	.062	NO	.094	2.626
.750	.375	.375	.125	.125	YES	.187	2.750
.750	.500	.500	.062	.062	NO	.121	3.342
.750	.500	.500	.125	.125	YES	.226	3.250
.750	.625	.625	.062	.062	NO	.140	3.875
.750	.750	.750	.062	.062	NO	.158	4.376
.750	.750	.750	.062	.125	YES	.205	4.250
.750	.750	.750	.125	.125	YES	.300	4.250
.750	1.000	1.000	.125	.125	YES	.376	5.250
.750	1.500	1.500	.062	.062	NO	.270	7.324
.750	1.500	1.500	.125	.125	NO	.524	7.216
.812	.094	.094	.070	.070	NO	.072	1.850
.812	.500	.500	.062	.062	NO	.126	3.500
.828	1.125	1.125	.094	.094	YES	.312	5.968
.840	.660	.660	.060	.060	NO	.146	4.166
.844	.750	.750	.094	.094	YES	.244	4.500
.844	.875	.875	.094	.094	YES	.271	5.000
.844	1.125	1.125	.094	.094	YES	.328	6.000
.874	1.062	1.062	.062	.062	NO	.214	5.838
.875	.312	.312	.062	.062	NO	.102	2.874
.875	.500	.500	.062	.062	NO	.131	3.626
.875	1.750	1.750	.063	.063	NO	.322	8.616
.884	.688	.688	.062	.062	NO	.159	4.396
.889	.312	.312	.062	.062	NO	.103	2.868
.938	.312	.312	.062	.062	NO	.107	3.000
.938	.562	.562	.062	.062	NO	.144	3.998
.940	.750	.190	.062	.062	NO	.131	3.636
1.000	.300	.300	.300	.060	NO	.245	3.080
1.000	.312	.312	.062	.062	NO	.112	3.124
1.000	.500	.500	.063	.063	YES	.142	3.840
1.000	.500	.500	.093	.093	YES	.202	3.814
1.000	.500	.500	.125	.125	YES	.263	3.750
1.000	.625	.625	.094	.094	YES	.230	4.312
1.000	.625	.625	.125	.125	YES	.300	4.250

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CHANNELS

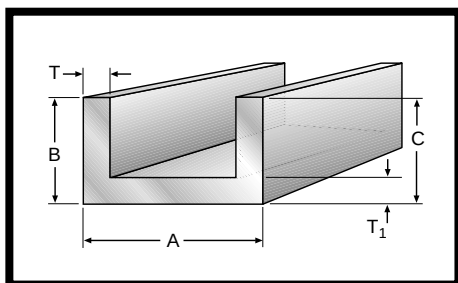
Available in
6061 & 6063 Alloys

A	B	C	T	T-1	6061	WT / FT	PERIMETER
1.000	.750	.750	.062	.062	NO	.174	4.876
1.000	.750	.750	.125	.125	YES	.337	4.750
1.000	1.000	1.000	.062	.062	NO	.215	5.863
1.000	1.000	1.000	.094	.094	YES	.317	5.812
1.000	1.000	1.000	.125	.125	YES	.413	5.750
1.000	1.000	1.000	.188	.188	YES	.580	5.624
1.013	.897	.897	.125	.125	YES	.384	5.364
1.031	.750	.750	.065	.065	YES	.187	4.912
1.090	.355	.355	.055	.055	NO	.112	3.490
1.109	.562	.250	.045	.062	NO	.119	3.750
1.120	1.050	.425	.050	.050	NO	.150	5.090
1.125	.240	.240	.062	.062	NO	.110	3.077
1.125	.375	.375	.050	.050	NO	.106	3.644
1.125	.750	.750	.062	.062	NO	.186	5.126
1.125	1.125	1.125	.125	.125	YES	.469	6.466
1.136	1.500	1.500	.062	.062	NO	.299	8.148
1.156	1.000	.500	.062	.062	NO	.188	5.186
1.175	2.375	2.375	.188	.188	YES	1.252	11.474
1.178	1.250	1.250	.119	.119	YES	.491	7.092
1.188	.312	.312	.062	.062	NO	.126	3.500
1.250	.250	.250	.125	.125	YES	.226	3.250
1.250	.312	.312	.062	.062	NO	.131	3.624
1.250	.500	.500	.062	.062	NO	.160	4.375
1.250	.500	.500	.125	.125	YES	.300	4.250
1.250	.625	.625	.125	.125	YES	.337	4.750
1.250	.750	.750	.125	.125	YES	.375	5.250
1.250	1.000	1.000	.188	.188	YES	.648	6.124
1.250	1.125	1.125	.125	.125	YES	.487	6.750
1.250	1.130	1.130	.125	.125	YES	.488	6.715
1.250	1.250	1.250	.125	.125	YES	.525	7.250
1.250	1.500	1.500	.125	.125	YES	.600	8.250
1.250	2.250	2.250	.250	.250	YES	1.572	10.980
1.250	3.000	3.000	.125	.125	NO	1.050	14.195
1.297	.750	.750	.050	.050	NO	.162	5.500
1.350	.300	.300	.300	.300	YES	.270	3.780
1.375	.875	.875	.125	.125	YES	.423	6.000
1.440	.375	.375	.125	.185	YES	.377	4.010
1.500	.297	.297	.094	.094	YES	.215	4.000
1.500	.375	.375	.125	.125	YES	.300	4.225
1.500	.500	.500	.125	.125	YES	.337	4.750
1.500	.750	.750	.125	.125	YES	.413	5.750
1.500	.875	.875	.125	.125	YES	.450	6.250
1.500	1.000	1.000	.125	.125	YES	.487	6.750
1.500	1.000	1.000	.188	.188	YES	.704	6.569
1.500	1.250	1.250	.125	.125	YES	.563	7.750

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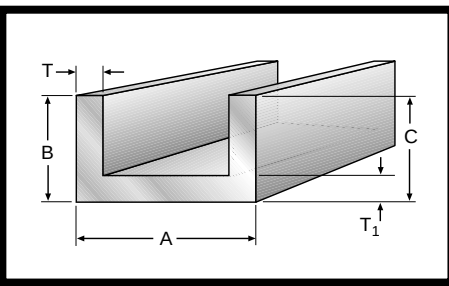
Available in
6061 & 6063 Alloys

CHANNELS

A	B	C	T	T-1	6061	WT / FT	PERIMETER
1.500	1.250	1.250	.203	.203	YES	.937	7.950
1.500	1.500	1.500	.125	.125	YES	.637	8.750
1.500	1.500	1.500	.250	.250	YES	1.200	8.445
1.562	.312	.312	.125	.125	YES	.290	4.122
1.578	1.500	1.500	.188	.188	YES	.948	8.765
1.594	.592	.592	.092	.092	YES	.287	5.338
1.600	1.500	1.500	.050	.050	NO	.271	9.124
1.624	1.500	1.500	.062	.062	YES	.335	9.090
1.625	.219	.219	.125	.125	YES	.222	3.938
1.625	.312	.312	.062	.062	NO	.158	4.374
1.625	.500	.500	.125	.125	YES	.356	5.000
1.625	.750	.750	.125	.125	YES	.431	6.000
1.688	1.000	1.000	.125	.125	YES	.516	6.924
1.688	1.688	1.688	.125	.125	YES	.722	9.878
1.715	.690	1.000	.050	.050	YES	.180	6.056
1.734	.375	.375	.125	.093	YES	.274	4.744
1.750	.500	.500	.125	.125	YES	.376	5.250
1.750	.750	.750	.062	.062	NO	.233	6.376
1.750	.750	.750	.125	.125	YES	.450	6.250
1.750	1.000	1.000	.062	.062	NO	.270	7.376
1.750	1.000	1.000	.094	.094	YES	.402	7.300
1.750	1.000	1.000	.125	.125	YES	.525	7.250
1.750	1.250	1.000	.125	.125	YES	.600	7.750
1.750	1.750	1.750	.125	.125	YES	.750	10.250
1.750	2.000	2.000	.188	.188	YES	1.210	11.125
1.750	2.500	2.500	.125	.125	YES	.974	13.250
1.800	1.375	1.375	.125	.125	YES	.646	8.800
1.855	.980	.980	.045	.045	NO	.191	7.180
1.875	.688	.688	.062	.062	NO	.232	6.372
1.875	2.125	2.125	.063	.063	YES	.454	12.095
1.938	2.000	2.000	.188	.188	YES	1.254	11.500
1.940	1.500	1.500	.188	.188	YES	1.030	9.504
1.980	1.220	1.220	.320	.320	YES	1.422	8.400
2.000	.500	.500	.125	.125	YES	.413	5.750
2.000	.750	.750	.040	.040	NO	.164	6.920
2.000	.750	.750	.125	.125	YES	.487	6.750
2.000	.750	.750	.250	.250	YES	.882	6.500
2.000	.775	.775	.078	.078	NO	.318	6.910
2.000	1.000	1.000	.062	.062	NO	.288	7.878
2.000	1.000	1.000	.125	.125	YES	.551	7.750
2.000	1.000	1.000	.188	.188	YES	.801	7.624
2.000	1.000	1.000	.250	.250	YES	1.029	7.500
2.000	1.125	1.125	.094	.094	YES	.449	8.312
2.000	1.250	1.250	.125	.125	YES	.625	8.750
2.000	1.250	1.250	.188	.188	YES	.912	8.624

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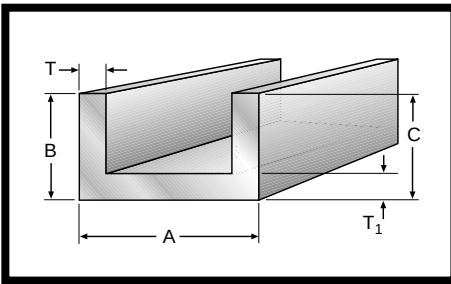
Available in
6061 & 6063 Alloys

A	B	C	T	T-1	6061	WT / FT	PERIMETER
2.000	1.250	1.250	.250	.250	YES	1.176	8.500
2.000	1.375	1.375	.063	.063	NO	.350	9.360
2.000	1.375	1.375	.125	.125	YES	.662	9.250
2.000	1.500	1.500	.125	.125	YES	.698	9.695
2.000	1.500	1.500	.156	.156	YES	.860	9.688
2.000	1.500	1.500	.188	.188	YES	1.022	9.624
2.000	1.750	1.750	.125	.125	YES	.771	10.750
2.000	2.000	2.000	.078	.078	NO	.547	11.844
2.000	2.000	2.000	.125	.125	YES	.845	11.750
2.000	2.000	2.000	.188	.188	YES	1.243	11.624
2.000	2.000	2.000	.250	.250	YES	1.617	11.500
2.000	2.500	2.500	.125	.125	YES	.992	13.750
2.078	.750	.750	.040	.040	NO	.168	7.080
2.100	1.000	1.000	.050	.050	NO	.240	8.066
2.100	2.000	2.000	.050	.050	NO	.360	12.100
2.125	.750	.750	.062	.062	NO	.260	7.126
2.125	1.395	1.395	.141	.141	YES	.768	9.548
2.125	1.500	1.500	.062	.062	NO	.372	10.126
2.188	.750	.750	.125	.125	YES	.516	7.126
2.203	.625	.625	.125	.125	YES	.482	6.672
2.210	.250	.250	.050	.050	NO	.156	5.286
2.224	2.000	2.000	.062	.062	NO	.454	12.301
2.250	.500	.500	.125	.125	YES	.441	6.250
2.250	.625	.500	.062	.062	NO	.241	6.626
2.250	.875	.875	.125	.125	YES	.563	7.750
2.250	1.000	1.000	.062	.062	NO	.307	8.321
2.250	1.000	1.000	.125	.125	YES	.588	8.250
2.250	2.000	2.000	.125	.125	YES	.882	12.250
2.250	2.000	2.000	.188	.188	YES	1.299	12.124
2.250	2.250	2.250	.250	.250	YES	1.838	12.980
2.250	2.500	2.500	.080	.080	NO	.667	14.306
2.250	2.609	2.609	.078	.078	NO	.671	14.762
2.350	1.590	1.590	.056	.056	NO	.364	10.914
2.375	1.125	1.125	.125	.125	YES	.656	9.000
2.375	1.175	1.175	.188	.188	YES	.962	9.074
2.375	1.250	1.250	.188	.188	YES	.994	9.374
2.375	1.250	1.250	.240	.240	YES	1.240	9.270
2.375	1.438	1.438	.188	.188	YES	1.078	10.126
2.375	1.500	1.500	.188	.188	YES	1.105	10.376
2.422	.415	.415	.545	.094	YES	.679	6.310
2.500	.350	.350	.130	.130	YES	.458	6.140
2.500	.500	.500	.125	.125	YES	.488	6.750
2.500	.562	.562	.062	.062	NO	.260	7.124
2.500	.625	.525	.188	.188	YES	.746	7.124
2.500	.750	.750	.125	.125	YES	.551	7.750

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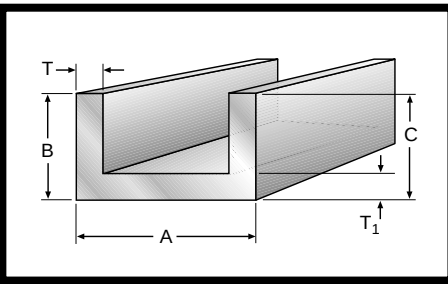
Available in
6061 & 6063 Alloys

CHANNELS

A	B	C	T	T-1	6061	WT / FT	PERIMETER
2.500	1.000	1.000	.125	.125	YES	.625	8.750
2.500	1.000	1.000	.250	.250	YES	1.176	8.500
2.500	1.375	1.375	.125	.125	YES	.735	10.250
2.500	1.500	1.500	.125	.125	YES	.772	10.750
2.500	1.500	1.500	.188	.188	YES	1.133	10.624
2.500	1.500	1.500	.250	.250	YES	1.470	10.500
2.500	2.000	2.000	.125	.125	NO	.919	12.698
2.500	2.000	2.000	.188	.188	YES	1.354	12.624
2.500	2.500	2.500	.125	.125	YES	1.066	14.698
2.562	1.000	1.000	.250	.250	YES	1.194	8.624
2.562	2.000	1.000	.310	.250	YES	1.665	10.465
2.689	1.182	1.182	.408	.390	YES	1.993	9.326
2.750	.875	.875	.125	.125	YES	.625	8.750
2.750	1.000	1.000	.125	.125	YES	.662	9.250
3.000	.500	.500	.125	.125	YES	.552	7.750
3.000	.500	.500	.188	.188	YES	.801	7.624
3.000	.750	.750	.125	.125	YES	.625	8.750
3.000	1.000	1.000	.062	.062	NO	.362	9.876
3.000	1.000	1.000	.125	.125	YES	.698	9.750
3.000	1.375	1.375	.188	.188	YES	1.188	11.124
3.000	1.500	1.500	.188	.188	YES	1.243	11.624
3.000	1.500	.750	.062	.062	NO	.382	10.376
3.000	1.500	1.500	.125	.125	YES	.845	11.750
3.000	1.500	1.500	.188	.188	YES	1.243	11.624
3.000	1.750	1.750	.250	.250	YES	1.764	12.500
3.000	2.000	2.000	.125	.125	YES	.992	13.750
3.000	2.000	2.000	.156	.156	YES	1.227	13.688
3.000	2.000	2.000	.375	.375	YES	2.756	13.195
3.000	2.150	2.150	.203	.203	YES	1.656	14.200
3.000	3.000	3.000	.125	.125	NO	1.286	17.698
3.040	.600	.600	.090	.090	NO	.438	8.266
3.125	.750	.750	.062	.062	NO	.335	9.126
3.312	1.875	1.875	.078	.078	NO	.633	13.934
3.420	1.790	1.790	.750	.750	NO	4.950	12.500
3.480	.375	.375	.125	.094	YES	.476	8.274
3.500	1.500	1.500	.125	.125	YES	.919	12.750
3.500	2.000	2.000	.188	.188	YES	1.575	14.626
3.500	2.000	2.000	.200	.200	YES	1.670	14.600
3.610	2.000	2.000	.055	.055	NO	.494	15.076
3.625	3.000	3.000	.375	.375	YES	3.914	18.500
3.650	.640	.640	.400	.400	YES	1.943	9.060
3.750	1.000	1.000	.125	.125	YES	.809	11.250
3.960	1.090	1.090	.080	.080	NO	.625	12.086
4.000	.750	.750	.125	.125	YES	.772	10.750
4.000	.938	1.625	.250	.250	YES	1.783	12.571

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Available in
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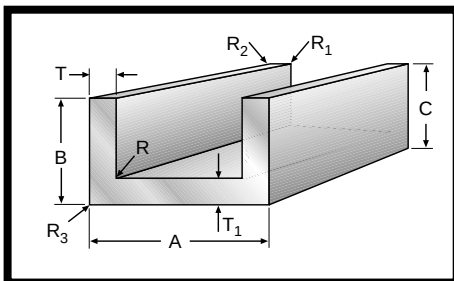
CHANNELS

A	B	C	T	T-1	6061	WT / FT	PERIMETER
4.000	1.000	1.000	.125	.125	YES	.845	11.750
4.000	1.500	1.500	.125	.125	YES	.992	13.750
4.000	1.500	1.500	.172	.156	YES	1.288	13.700
4.000	1.500	1.500	.188	.188	YES	1.464	13.624
4.000	1.750	1.750	.188	.188	----	1.575	14.624
4.000	2.000	2.000	.125	.125	YES	1.139	15.750
4.000	2.000	2.000	.188	.188	YES	1.686	15.624
4.000	2.250	2.250	.188	.188	YES	1.796	16.624
4.000	4.000	4.000	.500	.500	YES	6.468	23.000
4.250	2.500	2.500	.250	.250	YES	2.573	18.000
4.500	2.000	2.000	.188	.188	YES	1.796	16.624
4.500	2.500	2.500	.125	.125	YES	1.360	18.750
4.500	2.750	2.750	.250	.250	YES	2.793	19.500
5.000	1.000	1.000	.250	.250	YES	1.911	13.500
5.000	1.375	1.375	.125	.125	YES	1.103	15.250
5.000	1.500	1.500	.188	.188	YES	1.686	15.624
5.000	1.500	1.500	.250	.250	YES	2.205	15.500
5.000	1.750	1.750	.125	.125	YES	1.213	16.750
5.000	1.750	1.750	.188	.188	YES	1.796	16.624
5.000	1.750	1.750	.250	.250	YES	2.352	16.500
5.000	1.750	1.750	.480	.470	YES	4.209	16.060
5.000	2.000	2.000	.188	.188	YES	1.907	17.624
5.000	3.000	3.000	.188	.188	YES	2.349	21.624
5.000	3.000	3.000	.250	.250	YES	3.087	21.500
5.086	1.090	1.090	.074	.074	NO	.619	14.350
5.562	1.281	1.281	.125	.250	YES	1.938	15.748
6.000	.625	.625	.125	.125	YES	1.029	14.250
6.000	2.000	2.000	.250	.250	YES	2.793	19.500
6.000	3.500	3.500	.200	.200	YES	2.964	25.600
6.270	.400	.400	.710	.160	YES	1.581	13.820
6.344	1.750	1.750	.156	.156	YES	1.749	19.376
6.500	2.000	2.000	.156	.156	YES	1.869	20.688
7.000	2.125	2.125	.312	.312	YES	3.899	21.876
7.500	1.750	1.750	.094	.094	YES	1.195	21.812

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Available in
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Miscellaneous Rounded or Sharp Corners

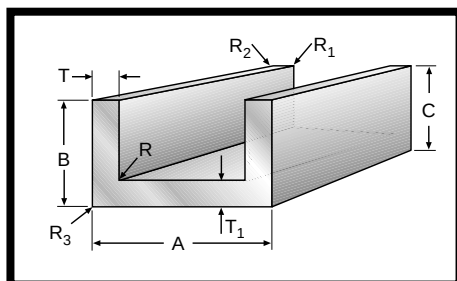
CHANNELS

A	B	C	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
.250	.500	.500	.047	.047	.010	.047	.010	.010	NO	.064	2.349
.315	.375	.375	.050	.062	.010	.031	.010	.031	NO	.060	1.934
.340	.350	.350	.075	.075	.015	.015	.015	.015	NO	.080	1.878
.375	.375	.375	.109	.109	.016	----	----	----	NO	.118	2.138
.390	.460	.460	.050	.095	.010	.010	.020	.010	NO	.088	2.387
.390	.550	.550	.050	.050	.010	.010	.050	.010	NO	.083	2.827
.391	.469	.469	.055	.100	----	----	.031	----	NO	.095	2.436
.400	.680	.680	.062	.062	.062	----	----	.031	NO	.107	3.327
.424	1.312	1.312	.062	.062	.050	.062	----	----	NO	.217	5.876
.476	.500	.500	.050	.050	.010	.025	.025	.025	NO	.082	2.779
.500	.390	.390	.140	.195	.010	.050	.050	.050	NO	.179	2.033
.500	.750	.750	.050	.050	----	----	.050	----	NO	.113	3.587
.500	.750	.750	.050	.050	.030	----	----	.030	NO	.114	3.874
.530	.875	.875	.054	.054	----	----	.050	.030	NO	.145	4.348
.590	.358	.358	.062	.062	.010	.031	.031	.010	NO	.086	2.418
.590	.390	.390	.062	.062	.010	.031	.031	.010	NO	.091	2.546
.594	.500	.500	.062	.062	.031	----	.062	----	NO	.108	2.987
.620	.200	.200	.060	.060	.010	.010	.010	.030	NO	.065	1.868
.620	.620	.620	.060	.060	.030	----	.060	.060	NO	.122	3.471
.625	.156	.156	.040	.040	----	----	.040	.062	NO	.040	1.692
.625	.562	.562	.055	.055	----	.027	.057	----	NO	.106	3.304
.649	1.562	1.562	.062	.091	.031	.031	.031	.031	NO	.238	7.270
.656	.125	.125	.062	.078	----	.031	.031	----	NO	.067	1.599
.660	.160	.400	.040	.040	.020	----	.040	.060	NO	.053	2.257
.672	.500	1.000	.055	.055	----	.027	.027	----	NO	.136	4.187
.687	.500	.500	.050	.050	----	.025	.025	----	NO	.095	3.250
.711	.625	.625	.090	.062	.010	.062	.010	.010	NO	.173	3.713
.721	.718	.718	.093	.093	.010	.093	.010	.010	NO	.216	4.031
.725	1.050	1.050	.050	.050	.031	.025	.025	.065	NO	.161	5.425
.750	1.250	1.250	.065	.065	.010	----	.010	.010	NO	.250	6.469
.750	1.462	1.462	.062	.062	.094	----	.094	----	NO	.266	7.108
.750	1.500	1.500	.062	.062	.015	.010	.010	.015	NO	.270	7.350
.800	.250	.250	.200	.100	----	----	.031	.031	YES	.167	2.347
.800	.500	.500	.200	.350	----	----	.031	.125	YES	.400	2.760
.850	.850	.850	.050	.050	----	.031	.031	----	NO	.146	4.870
.859	.625	.625	.040	.040	.040	----	.040	.062	NO	.095	4.000
.870	.750	.750	.060	.060	.030	----	.060	.060	NO	.158	4.491
.875	.750	.750	.062	.062	.010	.031	.031	.010	NO	.167	4.556
.875	.870	.870	.052	.060	.030	----	.050	.090	NO	.160	4.962
.875	.953	.953	.106	.125	.047	----	----	.094	YES	.339	5.193
.900	1.000	.500	.090	.090	.030	----	----	----	YES	.240	4.594
.911	.409	.409	.065	.065	.060	.032	.032	.125	NO	.118	3.114
.912	.250	.250	.050	.050	.020	----	.040	.070	NO	.076	2.612
.940	.160	.160	.040	.040	.020	----	.040	.060	NO	.054	2.340
.940	.438	.438	.062	.062	.010	.031	.031	.010	NO	.125	3.455

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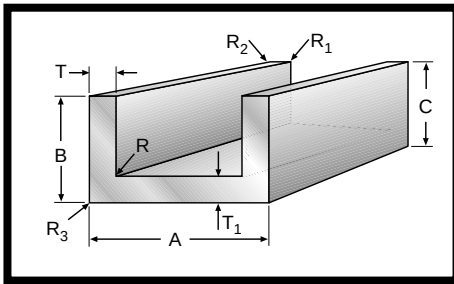
CHANNELS

A	B	C	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
.969	.375	.375	.062	.062	.015	.015	.015	.015	NO	.119	3.262
.975	.260	.260	.070	.093	----	----	.040	.040	NO	.132	2.707
.975	.940	.940	.050	.050	----	.025	.025	.062	NO	.163	5.500
.980	1.022	1.022	.100	.100	----	----	----	.100	YES	.333	5.762
1.000	.500	.500	.050	.050	----	.025	.025	----	NO	.114	3.857
1.000	.500	.500	.062	.062	----	.031	.031	----	NO	.134	3.822
1.000	1.250	1.250	.062	.062	.062	.031	.031	.062	NO	.249	6.769
1.026	.375	.375	.063	.063	----	----	----	.062	NO	.124	3.380
1.030	1.820	1.820	.120	.120	.060	----	----	----	YES	.640	9.007
1.040	.250	.250	.062	.062	----	----	.031	----	NO	.102	2.934
1.040	1.000	1.000	.062	.062	----	----	.031	----	NO	.210	5.934
1.055	.875	.500	.090	.090	.120	----	----	.210	YES	.228	4.397
1.065	.875	.500	.090	.090	.120	----	----	.210	YES	.229	4.417
1.120	.160	.400	.040	.040	.020	----	.040	.060	NO	.074	3.146
1.125	.250	.250	.040	.040	----	----	.040	.094	NO	.068	3.047
1.125	.250	.250	.050	.050	.075	.016	.050	.125	NO	.085	2.912
1.156	1.500	1.250	.125	.125	----	----	.125	.050	YES	.545	7.499
1.250	.375	.375	.063	.100	.020	.031	.031	.010	NO	.191	3.729
1.250	.438	.438	.062	.062	----	.031	----	.031	NO	.144	4.063
1.250	.625	.625	.062	.062	.010	.031	.031	.010	NO	.176	4.807
1.250	.825	.825	.188	.188	----	----	.093	.093	YES	.560	5.264
1.250	1.000	1.000	.090	.090	.010	.010	.010	.100	NO	.325	6.193
1.250	1.250	1.250	.125	.125	.010	.015	.015	.015	YES	.524	7.203
1.250	1.250	1.250	.375	.375	----	.031	.031	.031	YES	1.349	6.656
1.250	2.375	2.375	.188	.188	.130	----	----	----	NO	1.005	11.710
1.270	.250	.250	.040	.040	.054	----	.040	.094	NO	.075	3.220
1.281	.750	.750	.078	.078	.010	.010	.030	.030	NO	.245	5.337
1.305	1.125	1.125	.120	.120	.047	----	----	----	YES	.475	6.810
1.315	.875	.875	.090	.125	----	----	.032	.032	YES	.358	5.825
1.375	1.125	1.125	.125	.125	.125	----	----	----	NO	.514	6.920
1.410	1.500	1.250	.125	.125	----	----	.125	.050	YES	.583	8.011
1.440	.160	.400	.040	.040	.020	----	.040	.060	NO	.090	3.799
1.498	1.250	1.250	.060	.060	.031	.030	.030	.010	NO	.278	7.790
1.500	.680	.680	.310	.120	.050	.060	.060	.060	YES	.629	5.283
1.500	.750	.750	.060	.060	----	.030	.030	.078	NO	.203	5.761
1.500	1.500	1.500	.188	.188	.062	.062	----	----	NO	.928	8.542
1.500	1.562	1.562	.250	.250	.062	----	----	----	NO	1.195	8.708
1.500	1.750	1.750	.240	.250	----	.120	.120	.125	YES	1.291	9.187
1.500	2.000	2.000	.188	.188	.062	----	----	----	NO	1.022	10.584
1.625	.250	.250	.050	.050	----	.031	.031	----	NO	.121	4.107
1.625	1.000	1.000	.090	.090	.125	----	----	.125	YES	.356	6.778
1.640	1.312	1.312	.070	.070	----	----	.062	----	NO	.346	8.376
1.647	1.750	1.750	.125	.125	----	.061	----	----	YES	.733	9.900
1.660	.875	.875	.080	.080	----	.040	.040	----	NO	.311	6.591
1.700	2.375	2.375	.260	.260	.250	----	----	----	YES	1.894	12.185

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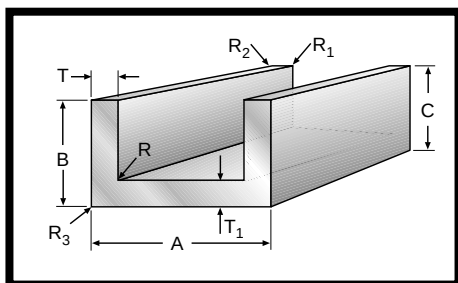
CHANNELS

A	B	C	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
1.725	.870	.870	.062	.062	----	.062	----	----	NO	.246	6.753
1.750	.750	.750	.125	.125	.031	----	----	----	NO	.441	6.250
1.750	.750	.750	.250	.375	.010	----	----	----	YES	.979	5.919
1.750	1.250	1.250	.125	.125	.250	----	----	.375	YES	.560	8.250
1.750	2.500	2.500	.250	.250	.062	.062	.062	.062	YES	2.789	11.537
1.875	1.000	2.500	.188	.188	.125	----	----	----	YES	.798	10.374
1.925	.875	.875	.150	.150	----	.075	.075	----	YES	.601	6.921
1.925	.875	.875	.150	.150	----	.075	.075	.075	YES	.599	6.857
1.938	.875	.875	.080	.080	----	.040	.040	----	NO	.337	7.145
1.995	.675	.675	.060	.060	----	.030	.030	----	NO	.232	6.518
2.000	1.000	1.000	.125	.125	.125	----	----	----	YES	.571	7.765
2.000	1.000	1.000	.156	.156	.125	.156	.031	.031	YES	.685	7.394
2.000	1.125	1.125	.100	.100	.062	----	----	----	YES	.488	8.228
2.000	1.250	1.250	.260	.170	.100	----	.125	.290	YES	1.036	8.218
2.000	1.500	1.500	.188	.188	.188	.188	----	----	YES	1.040	9.277
2.000	1.500	1.500	.250	.250	.120	----	----	----	YES	1.357	9.397
2.000	2.000	2.000	.250	.250	.188	----	----	----	NO	1.633	11.375
2.141	1.000	1.000	.050	.050	----	.031	.031	----	NO	.242	8.121
2.156	1.375	1.375	.375	.500	.062	.062	.062	.062	YES	2.074	8.587
2.172	2.000	2.000	.062	.062	----	----	.031	----	NO	.449	12.163
2.200	.150	.150	.050	.050	.031	----	----	.031	NO	.145	4.894
2.250	1.000	1.000	.125	.125	.125	.125	----	----	YES	.600	8.035
2.280	.750	.750	.100	.100	.121	.050	.050	----	YES	.554	9.170
2.286	.563	.563	.063	.063	.015	.031	.031	.031	NO	.247	6.605
2.375	.800	.800	.050	.050	.010	.025	.025	.030	NO	.232	7.790
2.375	1.250	1.250	.188	.188	.188	----	----	----	YES	1.033	9.213
2.375	2.000	2.000	.188	.188	.125	----	----	----	NO	1.362	12.291
2.375	2.625	2.625	.125	.125	.010	.030	.125	.125	NO	1.092	14.768
2.375	2.625	2.625	.375	.438	.125	----	----	----	YES	3.224	14.283
2.438	1.250	1.250	.188	.090	----	.094	.094	.060	YES	.775	7.734
2.500	1.625	1.625	.125	.125	.062	.062	.062	.187	NO	.805	10.929
2.500	1.750	1.750	.188	.188	.270	.100	----	----	YES	1.301	11.624
2.594	.812	.812	.125	.125	.010	.010	.031	.010	NO	.593	8.185
2.610	2.125	2.125	.055	.055	.010	.027	.027	.062	NO	.443	13.510
2.865	1.845	1.845	.056	.056	.010	.028	.028	.010	NO	.432	12.934
3.000	.750	.750	.125	.125	.125	----	----	.250	YES	.613	8.428
3.000	1.270	1.270	.250	.250	.200	.031	.031	.031	YES	1.531	10.328
3.000	1.280	1.280	.200	.170	.200	.031	.031	.031	YES	1.164	10.528
3.000	1.350	1.075	.062	.062	.062	----	----	.125	NO	.389	10.565
3.000	1.750	1.750	.170	.170	.250	----	----	----	YES	1.597	12.660
3.000	2.000	2.000	.375	.375	.188	.375	----	----	YES	2.759	13.290
3.000	2.250	2.250	.250	.250	.125	----	----	----	YES	2.108	14.500
3.000	2.250	2.250	.250	.250	.188	----	----	.062	YES	2.116	14.500
3.000	2.500	2.500	.375	.375	.250	----	----	.375	YES	3.222	15.250
3.234	2.093	2.093	.125	.125	.125	.010	.010	.062	NO	1.088	14.502

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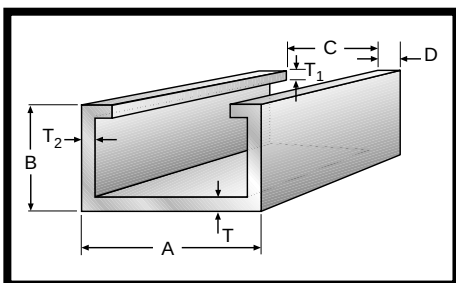
CHANNELS

A	B	C	T	T-1	R	R-1	R-2	R-3	6061	WT / FT	PERIMETER
3.250	3.125	3.125	.125	.125	.250	----	----	.375	YES	1.348	18.790
3.312	1.375	1.375	.375	.188	.188	----	----	----	YES	2.408	11.213
3.500	1.250	1.250	.125	.125	.125	----	----	----	YES	.853	11.790
3.500	1.500	1.500	.125	.125	----	----	.125	----	YES	.929	12.642
3.500	1.500	1.500	.188	.188	.250	----	----	----	YES	1.414	12.409
3.500	2.625	2.625	.125	.125	.125	----	----	----	YES	1.257	17.167
4.000	2.000	2.000	.250	.250	.188	----	----	----	YES	2.268	15.339
4.000	2.000	2.000	.250	.250	.250	.250	----	----	YES	2.250	15.167
4.000	2.250	2.250	.250	.190	.250	----	----	----	YES	2.180	16.405
4.000	2.250	2.250	.250	.250	.188	----	----	.062	YES	2.417	16.308
4.000	4.000	4.000	.250	.250	.375	----	----	.093	YES	3.667	19.250
4.070	1.062	1.062	.056	.065	.010	.010	.010	.050	NO	.449	12.159
4.250	2.500	2.500	.250	.250	.375	----	----	----	YES	2.976	17.750
4.500	1.188	1.188	.056	.065	.010	.010	.010	.050	NO	.500	13.579
4.772	.750	.750	.125	.156	.125	.062	.062	.250	YES	1.043	11.803
5.000	1.500	1.500	.300	.200	.156	----	----	----	YES	2.148	
5.000	2.500	2.500	.312	.312	.250	----	----	----	YES	3.548	19.209
5.250	1.375	1.375	.125	.125	.060	----	----	.060	YES	1.162	15.670
6.000	1.438	1.438	.312	.200	----	.250	----	----	YES	2.336	17.185
6.000	2.500	2.500	.170	.170	.300	----	----	----	YES	2.891	21.460
6.000	2.812	2.812	.375	.375	.250	.250	----	----	YES	4.891	22.332
6.500	2.000	2.000	.250	.250	.125	----	----	----	YES	3.008	20.417
6.750	.560	.560	.140	.180	----	----	.100	.100	YES	1.576	15.208
7.000	2.404	2.404	.458	.458	.438	----	----	----	YES	6.085	22.508
7.000	3.000	3.000	.312	.188	.125	.015	----	----	YES	3.703	25.531
8.500	3.000	3.000	.250	.250	.250	----	----	.500	YES	4.014	28.334
10.000	3.500	3.500	.500	.312	.562	----	.016	.125	YES	7.724	32.782
10.125	3.250	3.250	.625	.375	.375	----	.125	.375	YES	8.852	32.167

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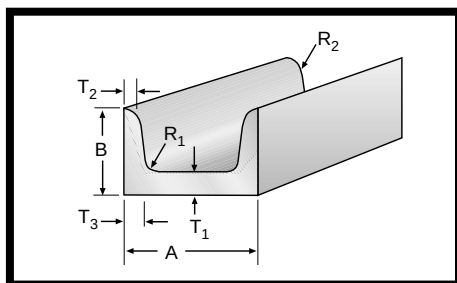
Available in
6061 & 6063 Alloys

CHANNELS

A	B	C	D	T	T-1	T-2	6061	WT / FT	PERIMETER
.500	.500	.210	.145	.060	.060	.060	NO	.110	3.168
.562	.375	.187	.188	.109	.141	.156	YES	.152	2.924
.630	.220	.165	.465	.055	.055	.055	NO	.083	2.599
.630	.220	.165	.115	.060	.060	.060	NO	.189	5.360
.840	.260	.460	.190	.050	.050	.050	NO	.091	3.051
.844	.406	.375	.234	.070	.070	.070	NO	.152	3.736
.862	.188	.642	.110	.062	.050	.050	NO	.086	2.588
.866	.440	.365	.250	.085	.085	.085	NO	.194	3.928
1.000	.375	.625	.188	.062	.062	.062	NO	.136	3.892
1.000	.250	.625	.250	.050	.050	.050	NO	.101	3.452
1.125	.375	.500	.312	.062	.062	.062	NO	.168	4.624
1.125	.500	.500	.312	.062	.062	.062	NO	.187	5.124
1.242	.196	.866	.187	.050	.094	.100	NO	.118	3.463
1.500	.875	.938	.281	.094	.094	.094	YES	.373	7.080
1.500	1.000	.562	.469	.125	.125	.125	YES	.590	8.126
1.545	1.250	1.265	.140	.085	.094	.085	NO	.406	8.025
1.750	.500	1.000	.375	.125	.125	.125	YES	.450	6.250
2.000	.375	.937	.531	.062	.062	.062	NO	.265	7.248
2.000	.500	.937	.531	.062	.062	.062	NO	.284	7.748
2.250	2.000	.750	.750	.156	.156	.156	YES	1.334	14.564
2.922	1.218	1.922	.500	.078	.078	.125	NO	.685	11.978
2.975	1.220	2.225	.375	.125	.125	.125	YES	.846	11.448
3.938	1.375	3.238	.350	.075	.062	.075	NO	.629	14.324
4.000	1.500	3.000	.500	.100	.200	.100	YES	1.012	15.293

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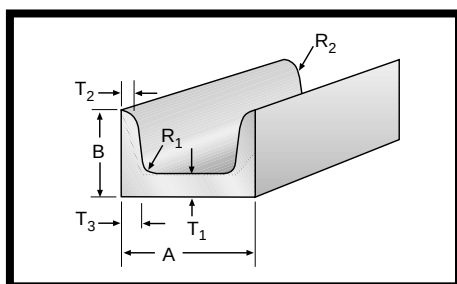
***Rounded Inside
Angles & Corners
(Army-Navy Drawing)***

CHANNELS

Available in
6061 & 6063 Alloys

CHANNELS

-A-	-B-	-T-	R1	R2	WT / FT
.750	.625	.063	.125	.063	.145
.750	.750	.078	.125	.078	.288
.750	.875	.094	.125	.094	.264
.875	.500	.063	.125	.063	.135
1.000	1.250	.125	.125	.125	.477
1.250	.875	.125	.125	.125	.405
1.500	.875	.156	.125	.156	.535
1.500	1.750	.156	.125	.156	.856
1.750	1.000	.094	.125	.094	.397
1.750	1.500	.125	.125	.125	.674
1.750	2.000	.188	.188	.188	1.188
2.000	1.000	.094	.125	.094	.433
2.000	1.000	.125	.125	.125	.563
2.000	1.250	.125	.125	.125	.638
2.000	1.500	.156	.125	.156	.874
2.000	1.500	.188	.188	.188	1.464
2.500	1.000	.125	.125	.125	.624
2.000	1.750	.156	.125	.156	.967
2.000	2.500	.188	.188	.188	1.494
2.500	1.000	.156	.125	.156	.780
2.500	1.375	.156	.125	.156	.920
2.500	1.750	.188	.188	.188	1.243
2.750	1.000	.125	.125	.125	.661
3.000	1.375	.156	.125	.156	1.014
3.000	1.375	.188	.188	.188	1.185
3.000	1.750	.156	.125	.156	1.154
3.000	1.750	.188	.188	.188	1.381



***Tapered Legs
Rounded Inside Angles & Corners
(Car and Ship Building)***

CHANNELS

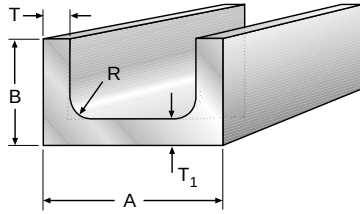
Available in
6061 & 6063 Alloys

-A-	-B-	T1	T2	T3	R1	R2	WT / FT
3.000	2.000	.375	.375	.375	.188	.375	2.702
4.000	2.500	.318	.312	.375	.375	.125	3.322
6.000	3.000	.500	.375	.375	.375	.250	5.773
6.000	3.500	.375	.412	.475	.480	.420	5.932
8.000	3.500	.425	.471	.579	.525	.375	7.858
10.000	3.625	.500	.375	.722	.625	.188	10.052

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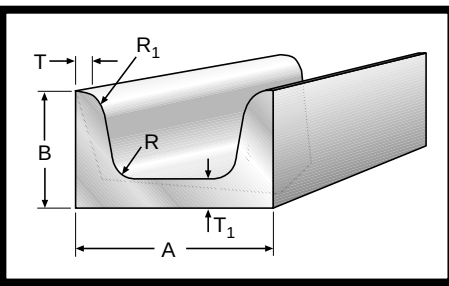
Available in
6061 & 6063 Alloys

CHANNELS

A	B	T	T-1	R	6061	WT / FT
2.000	1.000	.130	.130	.100	YES	.577
2.000	1.250	.260	.170	.150	YES	1.071
3.000	1.500	.200	.130	.250	YES	1.135
3.000	1.750	.260	.170	.250	YES	1.597
4.000	2.000	.230	.150	.250	YES	1.738
4.000	2.250	.290	.190	.250	YES	2.331
5.000	2.250	.260	.150	.300	YES	2.212
5.000	2.750	.320	.190	.330	YES	3.089
6.000	2.500	.290	.170	.300	YES	2.834
6.000	3.250	.350	.210	.300	YES	4.030
7.000	2.750	.290	.170	.300	YES	3.205
7.000	3.500	.380	.210	.300	YES	4.715
8.000	3.000	.350	.190	.300	YES	4.145
8.000	3.750	.410	.250	.350	YES	5.791
9.000	3.250	.350	.230	.350	YES	4.982
9.000	4.000	.440	.290	.350	YES	6.970
10.000	3.500	.410	.250	.350	YES	6.138
10.000	4.250	.500	.310	.400	YES	8.359
12.000	4.000	.470	.290	.400	YES	8.274
12.000	5.000	.620	.350	.450	YES	11.822

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CHANNELS

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CHANNELS

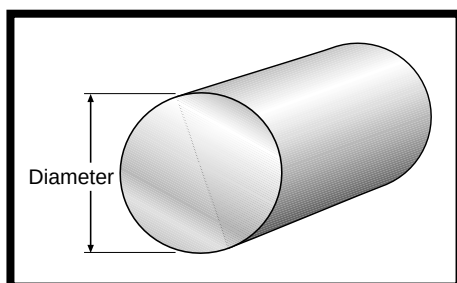
A	B	T	T-1	R	R-1	6061	WT / FT
1.125	.500	.125	.125	.062	.100	YES	.306
2.000	1.410	.170	.170	.270	.100	YES	1.214
3.000	1.410	.170	.170	.270	.100	YES	1.417
3.000	1.496	.170	.258	.270	.100	YES	1.729
3.000	1.596	.170	.356	.270	.100	YES	2.074
4.000	1.580	.180	.180	.280	.111	YES	1.846
4.000	1.647	.180	.247	.280	.110	YES	2.161
4.000	1.720	.180	.320	.280	.110	YES	2.504
4.000	2.000	.180	.314	.280	.110	YES	2.827
5.000	1.750	.190	.190	.290	.110	YES	2.316
5.000	1.885	.190	.325	.290	.110	YES	3.108
5.000	2.000	.188	.188	.290	.110	YES	2.339
5.000	2.032	.190	.472	.290	.110	YES	3.975
6.000	1.920	.200	.200	.300	.120	YES	2.826
6.000	1.945	.200	.225	.300	.120	YES	3.002
6.000	2.034	.190	.314	.300	.120	YES	3.622
6.000	2.034	.200	.312	.300	.120	YES	3.631
6.000	2.157	.200	.437	.300	.120	YES	4.492
7.000	2.000	.210	.314	.310	.130	YES	4.084
7.000	2.110	.210	.230	.310	.130	YES	3.542
7.000	2.194	.210	.314	.310	.130	YES	4.234
7.000	2.299	.210	.419	.310	.130	YES	5.092
7.000	2.404	.210	.524	.310	.130	YES	5.962
8.000	2.000	.220	.314	.320	.130	YES	4.502
8.000	2.290	.220	.250	.320	.130	YES	4.257
8.000	2.343	.220	.303	.320	.130	YES	4.751
8.000	2.435	.220	.395	.320	.130	YES	5.621
8.000	2.527	.220	.487	.320	.130	YES	6.482
8.000	2.560	.200	.520	.320	.130	YES	6.833
9.000	2.430	.230	.230	.330	.140	YES	4.598
9.000	2.485	.230	.285	.330	.140	YES	5.187
9.000	2.684	.230	.448	.330	.140	YES	7.110
9.000	2.812	.230	.612	.330	.140	YES	8.646
10.000	1.875	.240	.673	.340	.140	YES	10.371
10.000	2.600	.240	.240	.340	.140	YES	5.280
10.000	2.739	.240	.379	.340	.140	YES	6.915
10.000	2.886	.240	.526	.340	.140	YES	8.644
12.000	2.960	.280	.300	.380	.170	YES	7.415
12.000	3.047	.280	.387	.380	.170	YES	8.644
12.000	3.170	.280	.510	.380	.170	YES	10.375

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Round



RODS

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6061 & 6063 Alloys

RODS

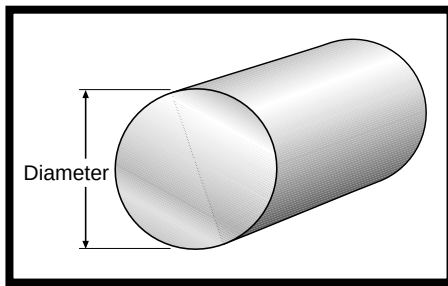
DIAMETER	WT / FT	PERIMETER
.240	.054	.754
.250	.059	.785
.281	.074	.883
.312	.091	.980
.313	.092	.983
.315	.092	.990
.344	.112	1.081
.375	.133	1.178
.438	.181	1.376
.472	.206	1.483
.500	.235	1.571
.515	.245	1.618
.531	.260	1.668
.551	.280	1.731
.562	.298	1.766
.563	.312	1.769
.594	.326	1.866
.625	.361	1.964
.630	.367	1.979
.641	.386	2.014
.655	.404	2.058
.656	.397	2.061
.688	.446	2.161
.703	.456	2.209
.718	.476	2.256
.748	.517	2.350
.750	.520	2.356
.757	.540	2.378
.766	.542	2.406
.781	.563	2.454
.787	.572	2.472
.812	.622	2.551
.813	.623	2.564
.820	.634	2.576
.835	.644	2.623
.840	.665	2.639
.844	.658	2.652
.859	.682	2.699
.866	.693	2.177
.875	.721	2.749
.878	.712	2.758
.900	.763	2.827
.906	.758	2.846
.938	.829	2.947
.968	.865	3.041

DIAMETER	WT / FT	PERIMETER
.985	.896	3.094
1.000	.942	3.142
1.016	.953	3.192
1.024	.968	3.217
1.031	.982	3.239
1.062	1.063	3.336
1.070	1.079	3.362
1.094	1.105	3.437
1.125	1.193	3.534
1.140	1.200	3.581
1.156	1.234	3.632
1.180	1.286	3.707
1.181	1.288	3.710
1.187	1.329	3.729
1.188	1.330	3.732
1.197	1.364	3.761
1.215	1.391	3.817
1.219	1.406	3.830
1.240	1.420	3.896
1.250	1.473	3.927
1.266	1.480	3.977
1.281	1.516	4.024
1.312	1.622	4.122
1.330	1.634	4.178
1.344	1.668	4.222
1.375	1.782	4.320
1.385	1.772	4.351
1.438	1.949	4.518
1.469	2.076	4.615
1.496	2.067	4.700
1.500	2.120	4.712
1.531	2.165	4.810
1.562	2.254	4.907
1.575	2.291	4.948
1.588	2.329	4.989
1.562	2.299	4.907
1.593	2.344	5.005
1.600	2.413	5.027
1.625	2.489	5.105
1.632	2.460	5.127
1.640	2.533	5.152
1.688	2.685	5.303
1.733	2.829	5.444
1.750	2.886	5.498
1.780	2.980	5.592

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6061 & 6063 Alloys

Round

DIAMETER WT / FT PERIMETER

1.800	3.054	5.655
1.812	3.096	5.694
1.875	3.313	5.890
1.938	3.469	6.088
1.969	3.581	6.186

2.000	3.770	6.283
2.031	3.810	6.381
2.062	3.927	6.478
2.063	4.009	6.481
2.125	4.171	6.676

2.188	4.512	6.874
2.250	4.771	7.069
2.312	4.937	7.263
2.375	5.210	7.461
2.398	5.420	7.534

2.422	5.529	7.609
2.437	5.485	7.656
2.438	5.490	7.659
2.500	5.773	7.854
2.502	5.900	7.860

2.562	6.186	8.049
2.563	6.067	8.052
2.625	6.364	8.247
2.750	6.985	8.639
2.756	7.015	8.658

2.760	7.036	8.671
2.875	7.634	9.032
2.910	7.981	9.142
2.965	8.285	9.315
3.000	8.313	9.425

3.062	8.660	9.619
3.125	9.020	9.818
3.150	9.165	9.896
3.250	9.955	10.210
3.281	10.046	10.308

3.290	10.101	10.336
3.312	10.136	10.405
3.375	10.735	10.603
3.438	11.135	10.800
3.500	11.540	10.996

3.540	11.714	11.121
3.543	11.716	11.131
3.625	12.378	11.388
3.750	13.248	11.781
3.875	14.146	12.174

DIAMETER

WT / FT

PERIMETER

3.900	14.335	12.252
3.937	14.608	12.368
3.940	14.630	12.378
4.000	14.778	12.566
4.062	15.240	12.761

4.125	15.716	12.959
4.188	16.530	13.157
4.250	17.023	13.352
4.330	17.317	13.603
4.331	17.325	13.606

4.375	18.032	13.745
4.500	19.085	14.137
4.528	18.945	14.225
4.530	18.954	14.231
4.567	19.265	14.348

4.625	20.160	14.530
4.720	20.577	14.828
4.724	20.612	14.841
4.750	21.265	14.923
4.812	21.387	15.117

4.875	21.951	15.315
5.000	23.550	15.708
5.125	24.260	16.101
5.250	25.548	16.493
5.375	27.229	16.886

5.500	27.940	17.279
5.625	29.224	17.672
5.750	30.538	18.064
5.813	31.210	18.262
6.000	33.251	18.850

6.125	34.651	19.242
6.250	36.079	19.635
6.375	37.537	20.028
6.500	39.023	20.420
6.625	40.539	20.813

6.750	42.083	21.206
6.800	42.709	21.363
7.000	45.258	21.991
7.125	46.889	22.384
7.250	48.548	22.777

7.500	51.954	23.562
8.000	60.318	25.133
8.500	67.430	26.704
9.000	75.630	28.274
9.500	84.220	29.845

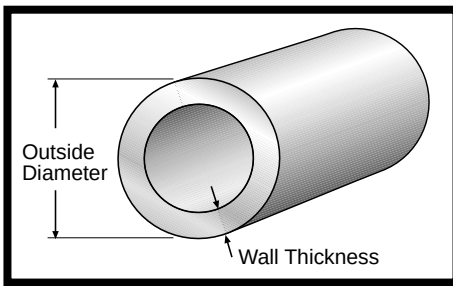
10.000	95.110	31.416
10.125	96.620	31.809
10.500	102.890	32.987
11.000	112.920	34.558
12.000	134.630	37.699

RODS

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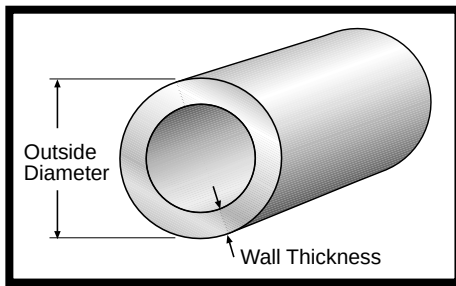
PIPES

Available in
6061 & 6063 Alloys

PIPE SIZE	SCHED. NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	6061	WT / FT	PERIMETER
1/4"	40	.540	.088	YES	.147	2.840
1/4"	80	.540	.119	YES	.185	2.645
3/8"	40	.675	.091	YES	.196	3.669
3/8"	80	.675	.126	YES	.256	3.449
1/2"	5	.840	.065	NO	.186	4.869
1/2"	10	.840	.083	NO	.232	4.756
1/2"	40	.840	.109	YES	.294	4.593
1/2"	80	.840	.147	YES	.376	4.354
3/4"	5	1.050	.065	NO	.237	6.189
3/4"	10	1.050	.083	NO	.297	6.076
3/4"	40	1.050	.113	YES	.391	5.887
3/4"	80	1.050	.154	YES	.510	5.630
1"	5	1.315	.065	YES	.300	7.854
1"	10	1.315	.109	YES	.486	7.578
1"	40	1.315	.133	YES	.581	7.426
1"	80	1.315	.179	YES	.751	7.138
1 1/4"	5	1.660	.065	NO	.383	10.022
1 1/4"	10	1.660	.109	YES	.625	9.745
1 1/4"	40	1.660	.140	YES	.786	9.550
1 1/4"	80	1.660	.191	YES	1.037	9.230
1 1/2"	5	1.900	.065	YES	.441	11.530
1 1/2"	10	1.900	.109	YES	.721	11.253
1 1/2"	40	1.900	.145	YES	.940	11.027
1 1/2"	80	1.900	.200	YES	1.256	10.681
2"	5	2.375	.065	YES	.555	4.514
2"	10	2.375	.109	YES	.913	4.237
2"	40	2.375	.154	YES	1.264	13.955
2"	80	2.375	.218	YES	1.737	13.553
2 1/2"	5	2.875	.083	YES	.856	17.543
2 1/2"	10	2.875	.120	YES	1.221	7.310
2 1/2"	40	2.875	.203	YES	2.004	16.789
2 1/2"	80	2.875	.276	YES	2.651	16.330
3"	5	3.500	.083	YES	1.048	21.470
3"	10	3.500	.120	YES	1.498	21.237
3"	40	3.500	.216	YES	2.621	20.634
3"	80	3.500	.300	YES	3.547	20.106
3 1/2"	5	4.000	.083	YES	1.201	24.611
3 1/2"	10	4.000	.125	YES	1.720	24.347
3 1/2"	40	4.000	.226	YES	3.151	23.713
3 1/2"	80	4.000	.318	YES	4.326	23.135
4"	5	4.500	.083	YES	1.354	27.753
4"	10	4.500	.120	YES	1.942	27.520
4"	40	4.500	.237	YES	3.733	26.785
4"	80	4.500	.337	YES	5.183	26.156
5"	40	5.563	.258	YES	5.160	33.333
6"	40	6.625	.280	YES	6.564	39.867

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ROUND TUBES

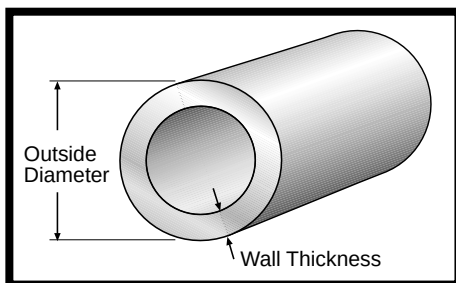
Available in
6061 & 6063 Alloys

OUTSIDE DIAMETER	WALL THICKNESS	6061	WT / FT	PERIMETER
.397	.052	NO	.066	2.167
.438	.055	NO	.078	2.406
.500	.050	NO	.083	2.827
.500	.058	NO	.095	2.777
.500	.065	NO	.105	2.733
.500	.083	NO	.128	2.620
.540	.088	NO	.147	2.840
.540	.119	YES	.185	2.645
.625	.050	NO	.106	3.613
.625	.062	NO	.129	3.537
.625	.083	NO	.165	3.374
.675	.091	NO	.196	3.669
.675	.126	YES	.256	3.449
.735	.130	YES	.290	3.669
.750	.050	NO	.129	4.398
.750	.065	NO	.165	4.304
.750	.125	YES	.288	3.472
.840	.065	NO	.186	4.869
.840	.083	NO	.232	4.756
.840	.109	YES	.294	4.593
.840	.147	YES	.376	4.354
.860	.094	NO	.266	4.813
.865	.065	NO	.196	5.026
.868	.0625	NO	.190	5.061
.875	.050	NO	.153	5.184
.875	.065	NO	.194	5.089
.875	.125	YES	.346	4.712
.875	.160	YES	.422	4.492
.915	.185	NO	.509	4.590
.950	.094	NO	.304	5.378
.980	.050	NO	.172	5.843
1.000	.050	NO	.175	5.969
1.000	.058	NO	.202	5.919
1.000	.062	NO	.215	5.894
1.000	.083	YES	.281	5.762
1.000	.125	YES	.404	5.498
1.000	.188	YES	.564	5.102
1.000	.250	YES	.693	4.712
1.050	.065	NO	.237	6.189
1.050	.083	NO	.297	6.076
1.050	.113	YES	.391	5.887
1.050	.154	YES	.510	5.630
1.094	.094	YES	.354	6.277
1.125	.050	NO	.199	6.754
1.125	.062	NO	.243	6.679

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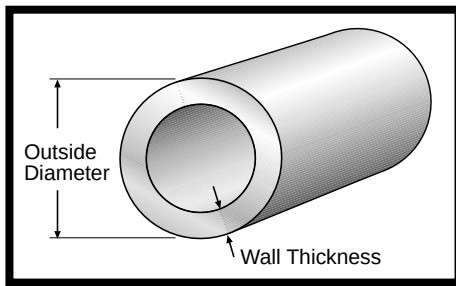
ROUND TUBES

Available in
6061 & 6063 Alloys

OUTSIDE DIAMETER	WALL THICKNESS	6061	WT / FT	PERIMETER
1.125	.094	NO	.365	6.478
1.125	.098	YES	.372	6.453
1.125	.125	YES	.462	6.283
1.125	.188	YES	.650	5.887
1.250	.050	NO	.222	7.540
1.250	.062	NO	.272	7.464
1.250	.065	NO	.290	7.446
1.250	.080	NO	.379	7.339
1.250	.083	YES	.358	7.332
1.250	.094	YES	.419	7.339
1.250	.125	YES	.520	7.069
1.250	.188	YES	.737	6.673
1.250	.250	YES	.923	6.283
1.250	.312	YES	1.081	5.894
1.250	.375	YES	1.212	6.676
1.266	.062	NO	.266	7.539
1.315	.065	NO	.300	7.854
1.315	.109	YES	.486	7.578
1.315	.133	YES	.581	7.426
1.315	.179	YES	.751	7.138
1.375	.050	NO	.245	8.325
1.375	.062	NO	.301	8.250
1.375	.125	YES	.577	7.854
1.390	.265	YES	1.102	7.069
1.392	.050	NO	.248	8.432
1.430	.125	YES	.602	8.200
1.500	.050	NO	.268	9.111
1.500	.062	NO	.329	9.035
1.500	.083	NO	.443	8.903
1.500	.125	YES	.635	8.639
1.500	.188	YES	.911	8.244
1.500	.250	YES	1.154	7.854
1.500	.281	NO	1.291	7.659
1.500	.375	YES	1.558	7.069
1.625	.125	YES	.693	9.422
1.660	.065	NO	.383	10.022
1.660	.109	YES	.625	9.745
1.660	.140	YES	.802	9.550
1.660	.191	YES	1.037	9.230
1.681	.109	NO	.736	11.253
1.704	.338	YES	1.704	8.586
1.750	.060	NO	.375	10.618
1.750	.083	NO	.521	10.474
1.750	.125	YES	.750	10.210
1.750	.188	YES	1.084	9.814

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ROUND TUBES

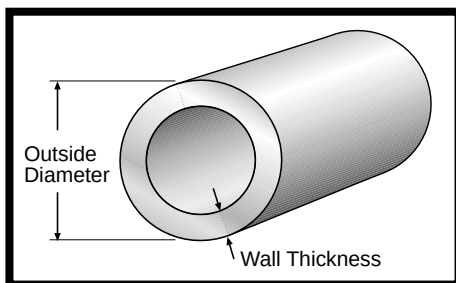
Available in
6061 & 6063 Alloys

OUTSIDE DIAMETER	WALL THICKNESS	6061	WT / FT	PERIMETER
1.750	.250	YES	1.385	9.425
1.812	.062	NO	.409	10.995
1.875	.062	NO	.415	11.391
1.875	.125	YES	.808	10.996
1.875	.188	YES	1.172	10.600
1.890	.140	NO	.888	11.033
1.900	.065	NO	.441	11.530
1.900	.109	YES	.721	11.253
1.900	.145	YES	.940	11.027
1.900	.200	YES	1.256	10.681
1.926	.128	NO	.868	11.297
1.968	.315	YES	1.924	10.386
2.000	.050	NO	.360	12.252
2.000	.062	NO	.432	12.221
2.000	.065	NO	.465	12.158
2.000	.078	NO	.554	12.076
2.000	.125	YES	.866	11.781
2.000	.135	YES	.930	11.718
2.000	.188	YES	1.258	11.385
2.000	.250	YES	1.616	10.996
2.000	.375	YES	2.251	10.210
2.020	.270	YES	1.745	10.996
2.080	.262	NO	1.795	11.423
2.230	.410	NO	2.947	11.296
2.250	.065	NO	.524	13.729
2.250	.120	YES	.945	13.383
2.250	.125	YES	.981	13.352
2.250	.188	YES	1.432	12.956
2.250	.250	YES	1.848	12.566
2.250	.547	YES	3.441	10.701
2.280	.500	YES	3.288	11.184
2.312	.281	YES	2.109	12.959
2.375	.065	NO	.555	14.514
2.375	.109	YES	.913	14.237
2.375	.154	YES	1.264	13.955
2.375	.218	YES	1.737	13.553
2.375	.281	YES	2.174	13.157
2.500	.050	NO	.453	15.394
2.500	.062	NO	.559	15.318
2.500	.083	YES	.741	15.186
2.500	.125	YES	1.097	14.923
2.500	.188	YES	1.605	14.527
2.500	.250	YES	2.078	14.137
2.500	.375	YES	2.945	13.352
2.500	.500	YES	3.695	12.566

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ROUND TUBES

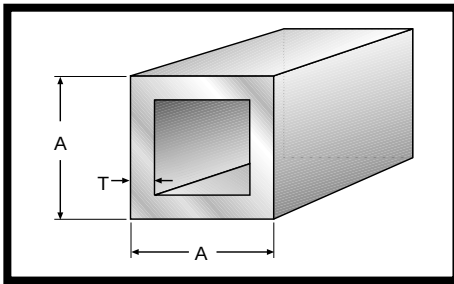
Available in
6061 & 6063 Alloys

OUTSIDE DIAMETER	WALL THICKNESS	6061	WT / FT	PERIMETER
2.510	.270	YES	2.234	14.074
2.510	.522	YES	3.863	12.488
2.560	.065	NO	.599	15.677
2.562	.150	YES	1.372	15.155
2.750	.050	NO	.499	16.965
2.750	.125	YES	1.212	16.493
2.750	.188	YES	1.779	16.098
2.875	.083	YES	.856	17.543
2.875	.120	YES	1.221	17.310
2.875	.188	YES	1.866	16.883
2.875	.203	YES	2.004	16.789
2.875	.276	YES	2.651	16.330
2.875	.281	YES	2.693	16.298
3.000	.050	NO	.544	18.535
3.000	.065	NO	.704	18.441
3.000	.083	NO	.895	18.328
3.000	.120	YES	1.277	18.096
3.000	.125	YES	1.328	18.064
3.000	.188	YES	1.953	17.668
3.000	.250	YES	2.540	17.279
3.000	.312	YES	3.098	16.889
3.000	.375	YES	3.637	16.493
3.000	.650	NO	5.644	14.765
3.125	.250	YES	2.655	18.064
3.500	.083	YES	1.048	21.470
3.500	.120	YES	1.498	21.237
3.500	.216	YES	2.621	20.634
3.500	.250	YES	3.001	20.420
3.500	.300	YES	3.547	20.106
3.750	.125	YES	1.674	22.777
3.828	.094	YES	1.297	23.461
4.000	.065	NO	.965	24.724
4.000	.083	YES	1.201	24.611
4.000	.125	YES	1.790	24.347
4.000	.188	YES	2.634	23.958
4.000	.226	YES	3.151	23.713
4.000	.318	NO	4.326	23.135
4.125	.170	YES	2.484	24.850
4.500	.083	NO	1.354	27.753
4.500	.120	NO	1.942	27.520
4.500	.237	NO	3.733	26.785
4.500	.337	NO	5.183	26.156
5.000	.188	NO	3.410	30.234
5.000	.250	NO	4.388	29.845

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**Square Corners
Equal Walls**

SQUARE TUBES

Available in
6061 & 6063 Alloys

A	T	6061	WT / FT	PERIMETER
.500	.062	NO	.131	3.449
.625	.062	NO	.168	4.500
.750	.050	NO	.168	5.600
.750	.055	NO	.184	5.560
.750	.062	NO	.205	5.504
.750	.125	YES	.375	5.000
.875	.094	YES	.352	6.248
1.000	.062	NO	.280	7.504
1.000	.094	YES	.409	7.248
1.000	.125	YES	.525	7.000
1.209	.125	NO	.637	8.638
1.250	.062	NO	.354	9.504
1.250	.125	YES	.662	9.000
1.250	.250	YES	1.176	7.945
1.375	.125	YES	.735	10.000
1.438	.062	NO	.409	11.008
1.500	.062	NO	.419	11.480
1.500	.094	NO	.622	11.248
1.500	.100	NO	.659	11.166
1.500	.125	YES	.809	11.000
1.500	.140	YES	.896	10.880
1.500	.188	YES	1.160	10.469
1.575	.059	NO	.430	12.094
1.590	.068	NO	.497	12.142
1.699	.062	NO	.487	13.044
1.750	.062	NO	.497	13.474
1.750	.125	YES	.956	13.000
1.750	.156	YES	1.170	12.697
1.938	.078	NO	.682	14.880
1.969	.067	NO	.599	15.220
2.000	.062	NO	.565	15.504
2.000	.080	YES	.723	15.360
2.000	.100	NO	.894	15.200
2.000	.125	YES	1.103	15.000
2.000	.188	YES	1.602	14.500
2.000	.250	YES	2.058	14.000
2.031	.055	NO	.511	15.800
2.250	.125	YES	1.250	17.000
2.250	.188	YES	1.824	16.496
2.375	.125	YES	1.323	18.000
2.500	.080	NO	.911	19.360
2.500	.125	YES	1.397	19.000
2.500	.188	YES	2.045	18.469
2.500	.250	YES	2.646	18.000
2.750	.125	YES	1.544	21.000

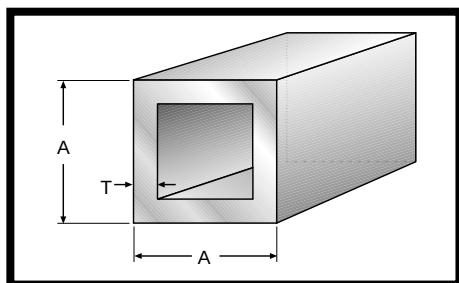
TUBES

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**Square Corners
Equal Walls**

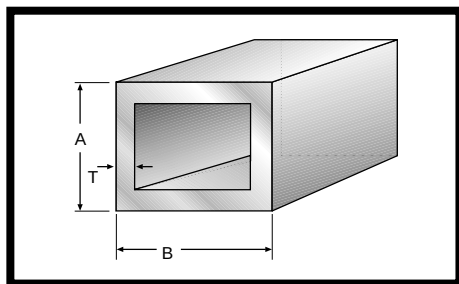


SQUARE TUBES

Available in
6061 & 6063 Alloys

A	T	6061	WT / FT	PERIMETER
2.750	.188	YES	2.266	20.496
2.812	.125	YES	1.580	21.496
3.000	.093	NO	1.272	23.202
3.000	.125	YES	1.691	23.000
3.000	.188	YES	2.487	22.469
3.000	.219	YES	2.865	22.248
3.000	.250	YES	3.234	22.000
3.156	.080	NO	1.158	24.640
3.500	.125	NO	1.985	27.000
4.000	.125	NO	2.279	31.000
4.000	.188	YES	3.371	30.469
4.000	.250	NO	4.410	30.000
4.000	.313	YES	5.429	29.496
4.000	.500	YES	8.232	28.000
4.250	.100	NO	1.952	33.200
4.325	.100	NO	1.987	33.800
5.000	.188	NO	4.256	38.469
5.000	.250	YES	5.586	38.000
6.000	.250	YES	6.762	46.000
6.000	.500	YES	12.936	44.000

**Sharp Corners
Equal Walls**



RECTANGULAR TUBES

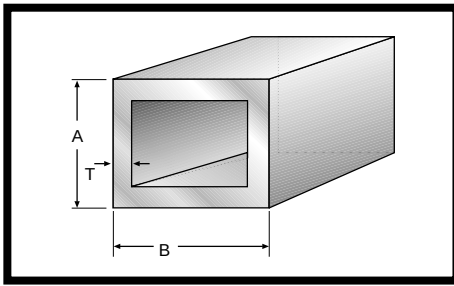
Available in
6061 & 6063 Alloys

A	B	T	6061	WT / FT	PERIMETER
.375	1.000	.062	YES	.186	5.004
.500	1.000	.062	NO	.208	5.466
.500	1.000	.125	NO	.375	5.000
.500	1.250	.125	NO	.450	5.945
.500	3.000	.125	YES	.956	13.000
.625	1.000	.062	NO	.223	5.986
.625	1.000	.125	NO	.413	5.000
.750	1.000	.062	NO	.242	6.504
.750	1.375	.093	YES	.432	7.730
.750	1.500	.060	NO	.307	8.486

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**Sharp Corners
Equal Walls**

RECTANGULAR TUBES

Available in
6061 & 6063 Alloys

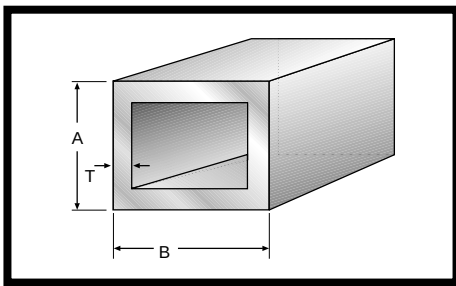
A	B	T	6061	WT / FT	PERIMETER
.750	1.500	.062	NO	.317	8.504
.750	1.500	.065	NO	.331	8.446
.750	1.500	.125	YES	.588	8.000
.750	2.250	.125	YES	1.125	11.000
.750	2.500	.125	YES	.882	12.000
.787	1.575	.059	YES	.317	8.942
.875	1.625	.094	YES	.511	9.248
.875	1.750	.062	NO	.374	10.000
1.000	1.500	.090	YES	.502	9.226
1.000	1.500	.125	YES	.662	9.000
1.000	1.750	.125	YES	.735	10.000
1.000	2.000	.062	NO	.428	11.504
1.000	2.000	.125	YES	.809	11.000
1.000	2.000	.250	YES	1.470	10.000
1.000	2.500	.125	YES	.956	13.000
1.000	3.000	.083	NO	.748	15.281
1.000	3.000	.125	YES	1.103	15.000
1.000	4.000	.125	YES	1.397	19.000
1.000	6.000	.125	NO	1.985	27.000
1.062	6.000	.094	NO	1.520	27.500
1.125	1.625	.312	YES	1.560	8.423
1.250	2.000	.125	YES	.882	12.040
1.250	2.062	.250	YES	1.653	11.248
1.250	2.500	.125	YES	1.029	14.000
1.250	2.500	.188	YES	1.492	13.442
1.250	2.500	.250	YES	1.911	13.000
1.250	3.000	.125	YES	1.176	16.000
1.375	1.688	.125	YES	.827	11.252
1.378	2.953	.067	NO	.661	16.754
1.500	1.750	.125	YES	.882	11.966
1.500	2.000	.080	NO	.628	13.360
1.500	2.000	.083	NO	.651	13.336
1.500	2.000	.125	YES	.956	13.000
1.500	2.000	.250	YES	1.755	12.000
1.500	2.250	.250	YES	1.911	13.000
1.500	2.500	.125	YES	1.103	15.000
1.500	2.750	.125	YES	1.176	16.000
1.500	3.000	.080	NO	.817	17.360
1.500	3.000	.125	YES	1.250	17.000
1.500	3.000	.188	YES	1.824	16.469
1.500	3.500	.125	YES	1.397	18.945
1.500	4.000	.125	YES	1.544	21.000
1.575	3.150	.067	NO	.723	18.330
1.575	3.940	.067	YES	.848	21.490
1.750	2.000	.125	YES	1.029	14.000

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**Sharp Corners
Equal Walls**

RECTANGULAR TUBES

Available in
6061 & 6063 Alloys

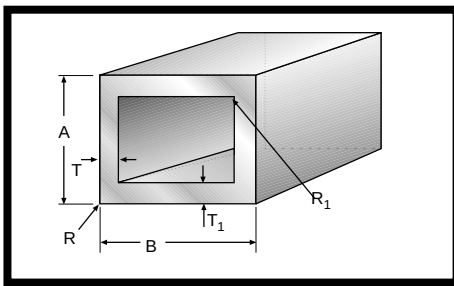
A	B	T	6061	WT / FT	PERIMETER
1.750	2.250	.125	YES	1.103	15.000
1.750	2.500	.125	YES	1.176	16.000
1.750	2.500	.188	YES	1.713	15.442
1.750	2.750	.125	YES	1.250	17.000
1.750	3.000	.125	YES	1.323	18.000
1.750	3.000	.250	YES	2.499	17.000
1.750	3.500	.088	NO	1.050	20.262
1.750	3.500	.125	YES	1.470	20.000
1.750	4.000	.091	NO	1.192	22.238
1.750	4.000	.125	YES	1.617	22.000
1.750	4.500	.090	NO	1.285	24.246
1.750	4.500	.109	NO	1.546	24.128
1.750	4.500	.125	NO	1.764	24.000
1.750	5.000	.109	YES	1.675	26.128
1.750	5.000	.125	NO	1.911	26.000
1.750	5.000	.188	YES	2.818	25.496
2.000	2.500	.125	YES	1.250	17.000
2.000	2.500	.250	YES	2.352	16.000
2.000	3.000	.080	YES	.911	19.360
2.000	3.000	.125	YES	1.397	19.000
2.000	3.000	.188	YES	2.045	18.496
2.000	3.000	.250	YES	2.646	17.945
2.000	3.750	.125	YES	1.617	22.000
2.000	4.000	.125	YES	1.691	23.000
2.000	4.000	.188	YES	2.487	22.500
2.000	4.000	.250	YES	3.234	22.000
2.000	4.500	.125	YES	1.838	24.966
2.000	5.000	.125	NO	1.985	27.000
2.000	5.000	.250	YES	3.822	26.000
2.000	6.000	.125	NO	2.279	31.000
2.000	6.000	.188	YES	3.371	30.496
2.000	6.000	.250	NO	4.410	30.000
2.250	3.500	.125	YES	1.617	22.000
2.500	4.000	.125	NO	1.838	25.000
2.500	5.000	.125	YES	2.132	29.000
3.000	4.000	.125	NO	1.985	27.000
3.000	4.000	.188	YES	2.929	29.496
3.000	4.000	.250	YES	3.822	26.000
3.000	5.000	.125	NO	2.279	31.000
3.000	5.000	.188	YES	3.371	33.496
3.000	5.000	.250	YES	4.410	33.000
3.000	6.000	.188	NO	3.813	34.496
3.375	7.375	.250	YES	6.027	41.000
4.000	6.000	.250	YES	5.586	38.000
4.000	8.000	.250	YES	6.762	46.000

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**Round or
Sharp Corners**

Miscellaneous

SQUARE & RECTANGULAR TUBES

Available in
6061 & 6063 Alloys

A	B	T	T-1	R	R-1	6061	WT / FT
.375	2.000	.080	.062	----	----	NO	.346
.625	1.375	.094	.094	.188	.094	NO	.383
.625	2.812	.093	.093	.062	.031	NO	.722
.625	6.625	.093	.093	.062	.031	NO	1.578
.745	.745	.060	.060	.062	.030	NO	.194
.750	.750	.125	.125	.125	.078	NO	.366
.750	1.625	.250	.125	----	----	NO	.713
.870	2.000	.125	.125	.050	----	NO	.744
.875	.875	.094	.094	.100	.031	NO	.343
.930	1.375	.050	.050	.031	----	NO	.264
.937	.937	.062	.062	.211	.149	NO	.238
.938	.938	.045	.045	.040	----	NO	.191
.975	.975	.060	.060	.050	----	NO	.260
1.000	1.000	.065	.065	.156	.091	NO	.275
1.000	1.000	.067	.067	.156	.156	NO	.283
1.000	1.000	.085	.085	.250	.165	NO	.337
1.000	1.000	.100	.100	.162	.062	YES	.409
1.000	1.000	.125	.125	.125	.125	YES	.526
1.000	1.000	.125	.125	.156	.089	YES	.501
1.000	1.000	.125	.125	.188	.063	YES	.493
1.000	1.000	.125	.125	.250	.125	YES	.476
1.000	1.500	.062	.062	.188	.125	NO	.334
1.000	2.000	.125	.125	.125	----	NO	.809
1.000	2.000	.134	.134	.250	.109	YES	.824
1.000	2.640	.080	.080	.330	.250	YES	.620
1.125	1.125	.065	.065	.156	.091	NO	.314
1.250	1.250	.065	.065	.188	.123	NO	.349
1.250	1.250	.067	.067	.156	.156	NO	.380
1.250	1.250	.094	.094	.180	.100	NO	.498
1.250	2.250	.125	.125	.125	.125	YES	.959
1.250	3.000	.125	.125	.625	.500	YES	1.055
1.375	1.375	.062	.062	.050	.030	NO	.389
1.500	1.500	.062	.062	.062	.010	NO	.424
1.500	1.500	.065	.065	.030	.030	NO	.448
1.500	1.500	.068	.068	.125	.057	NO	.455
1.500	1.500	.125	.125	.016	.016	NO	.826
.500	1.500	.130	.130	.250	.120	YES	.805
1.500	1.500	.140	.140	.125	.125	YES	.910
1.500	1.500	.140	.140	.312	.172	YES	.844
1.500	2.250	.125	.125	----	.062	YES	1.054
1.706	3.966	.250	.250	----	.125	YES	3.118
1.750	4.000	.110	.110	.015	.015	NO	1.460
1.875	1.875	.078	.078	.031	.062	NO	.649
1.974	2.974	.062	.062	.031	.031	NO	.718

TUBES

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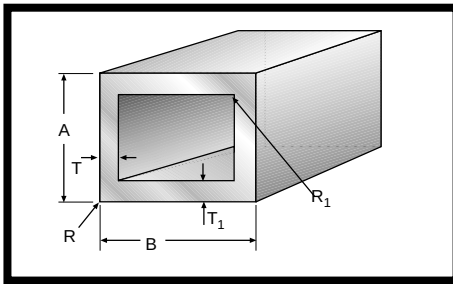
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**Round or
Sharp Corners**

Miscellaneous

SQUARE & RECTANGULAR TUBES

Available in
6061 & 6063 Alloys



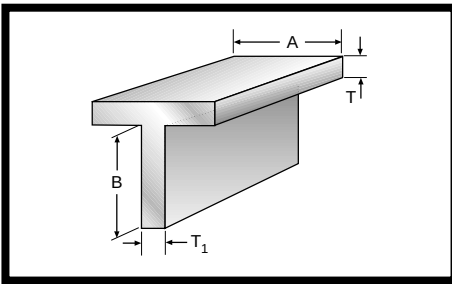
A	B	T	T-1	R	R-1	6061	WT / FT
2.000	2.000	.094	.094	.062	----	NO	.856
2.000	2.000	.094	.094	.094	.010	NO	.851
2.000	2.000	.094	.094	.094	----	NO	.851
2.000	2.000	.100	.100	.032	.032	NO	.913
2.000	2.000	.125	.125	.062	----	NO	1.120
2.000	2.000	.125	.125	.125	.015	YES	1.109
2.000	2.000	.188	.188	.281	.281	YES	1.636
2.000	2.000	.250	.250	.375	.125	YES	1.972
2.000	3.500	.094	.094	1.000	.906	NO	1.014
2.000	4.000	.125	.125	.125	.032	NO	1.710
2.000	4.000	.188	.188	.188	.094	YES	2.511
2.000	4.000	.188	.188	1.000	.812	YES	2.186
2.187	4.500	.062	.062	----	.125	NO	.994
2.188	2.188	.188	.188	.500	.312	NO	1.648
2.188	3.188	.125	.125	.375	.250	NO	1.457
2.500	4.000	.125	.125	.062	.062	YES	1.874
2.500	6.500	.125	.125	.015	.125	YES	5.116
3.000	3.000	.188	.188	.188	.015	YES	2.502
3.000	3.000	.250	.250	.125	.062	YES	3.300
3.000	3.000	.250	.250	.250	.062	YES	3.240
3.000	3.000	.250	.250	.320	.130	YES	3.212
3.000	3.000	.250	.250	.375	.375	YES	3.108
3.000	4.000	.188	.188	.188	.015	YES	2.989
3.000	4.000	.250	.250	.500	.250	YES	3.707
3.000	4.500	.250	.157	.218	.187	YES	3.294
3.200	4.500	.100	.100	.625	.531	NO	1.729
3.219	3.844	.188	.188	.125	.375	YES	2.872
3.375	4.875	.125	.125	.218	.187	NO	2.387
3.438	3.438	.188	.188	.312	.125	YES	2.849
3.500	3.500	.375	.375	.750	.375	YES	5.190
4.000	4.000	.125	.125	.188	.063	YES	2.293
4.000	4.000	.150	.150	.188	.038	YES	2.737
4.000	4.000	.175	.175	.375	.375	YES	3.214
4.000	4.000	.250	.250	.500	.250	YES	4.307
4.000	4.000	.250	.250	.500	.500	YES	4.221
4.000	4.000	.500	.500	.750	.750	YES	7.727
4.500	4.500	.250	.250	.062	.032	NO	5.097
5.000	5.000	.375	.375	.750	.750	YES	7.732
6.000	6.000	.250	.250	.750	.750	YES	6.447
6.000	6.000	.500	.500	.750	.750	YES	12.430

TUBES

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**Symmetrical
Sharp Corners**

TEES

Available in
6061 & 6063 Alloys

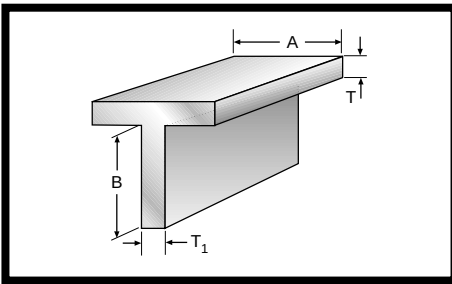
A	B	T	T-1	6061	WT / FT
.375	1.900	.062	.062	NO	.162
.500	.500	.125	.125	NO	.129
.625	1.000	.094	.125	YES	.206
.740	.500	.062	.062	NO	.088
.750	.750	.062	.062	NO	.103
.750	.750	.125	.125	YES	.206
.937	.180	.062	.188	NO	.096
.938	1.250	.050	.050	NO	.128
1.000	.500	.125	.375	NO	.312
1.000	.750	.125	.125	YES	.244
1.000	1.000	.125	.125	YES	.281
1.000	1.500	.050	.050	NO	.147
1.000	1.500	.060	.060	NO	.175
1.130	.400	.125	.530	YES	.344
1.250	.500	.180	.281	YES	.378
1.250	.550	.250	.245	YES	.461
1.250	.750	.050	.050	NO	.118
1.250	.750	.125	.125	NO	.276
1.250	.875	.125	.125	YES	.300
1.250	1.000	.250	.250	YES	.600
1.250	1.250	.062	.125	NO	.271
1.250	1.250	.125	.125	YES	.356
1.250	1.812	.125	.125	YES	.422
1.400	2.790	.340	.312	YES	1.565
1.500	1.000	.250	.250	YES	.674
1.500	1.250	.125	.125	YES	.386
1.500	1.250	.188	.188	YES	.577
1.500	1.500	.062	.062	NO	.218
1.500	1.500	.094	.094	NO	.328
1.500	1.500	.125	.125	YES	.431
1.500	1.500	.187	.187	YES	.631
1.500	1.500	.250	.250	YES	.825
1.500	2.000	.250	.250	YES	.975
1.500	2.500	.500	.500	NO	2.100
2.000	.750	.125	.125	NO	.394
2.000	1.000	.055	.055	YES	.194
2.000	1.000	.060	.060	NO	.211
2.000	2.000	.125	.125	YES	.581
2.000	2.000	.188	.188	YES	.860
2.000	2.000	.250	.250	YES	1.124
2.000	2.000	.375	.375	YES	1.631
2.000	3.000	.250	.250	YES	1.426
2.250	1.250	.250	.250	YES	.976
2.250	2.250	.250	.250	YES	1.276
3.000	1.500	.125	.125	YES	.656

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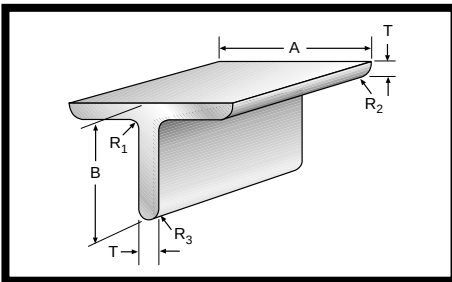
Symmetrical Sharp Corners



TEES

Available in
6061 & 6063 Alloys

A	B	T	T-1	6061	WT / FT
3.000	1.500	.188	.188	YES	.953
3.000	3.000	.125	.125	YES	.881
3.000	3.000	.312	.312	YES	2.129
4.000	3.000	.312	.312	YES	2.503
5.000	3.062	.312	.312	NO	2.902

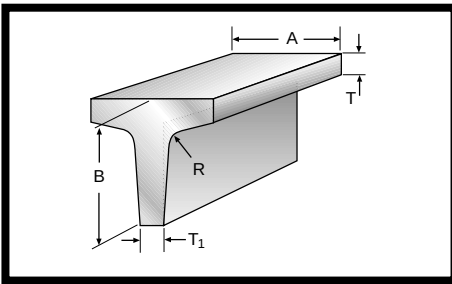


Rounded Angles Rounded Inside Corners (Army-Navy Drawing)

TEES

Available in
6061 & 6063 Alloys

A	B	T	R1	R2	R3	WT / FT
1.875	1.500	.125	.125	.125	.062	.476
2.000	1.000	.125	.125	.125	.062	.421
2.000	1.750	.094	.125	.094	.047	.407
2.500	1.625	.125	.125	.125	.062	.586
2.500	2.000	.188	.188	.188	.094	.949
3.000	1.500	.125	.125	.125	.062	.641
3.000	2.000	.188	.188	.188	.094	1.060
3.000	2.500	.125	.125	.125	.062	.788
3.000	2.500	.188	.188	.188	.094	1.170



Available in
6061 & 6063 Alloys

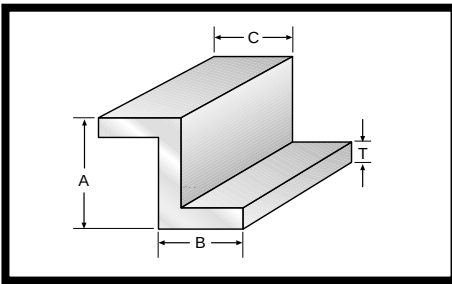
TEES

A	B	T	T-1	R	6061	WT / FT
1.000	1.000	.125	.125	.125	YES	.313
1.250	1.250	.125	.047	----	YES	.528
1.250	2.000	.188	.171	----	YES	1.097
1.375	1.625	.125	.125	.125	YES	.439
1.500	1.000	.125	.125	----	YES	.496
1.500	1.250	.186	.186	.125	YES	.621
1.500	1.250	.250	.250	.188	YES	.810
1.500	1.500	.188	.188	.188	YES	.682
1.500	1.500	.250	.250	.125	YES	.869
1.500	1.500	.250	.250	.188	YES	.870
1.500	3.000	.250	.250	----	YES	1.281
1.875	.875	.125	.125	----	YES	.515
2.000	2.000	.125	.060	----	YES	.862
2.000	2.000	.250	.250	.250	YES	1.259
2.000	2.000	.250	.250	----	YES	1.157
2.250	2.250	.250	.250	.250	YES	1.421
2.500	2.500	.312	.312	.250	YES	1.912
3.000	1.500	.125	.094	----	YES	.866
3.000	2.000	.188	.094	----	YES	1.499
3.000	2.500	.312	.312	.313	YES	2.129
3.000	3.000	.257	.188	----	YES	1.522
3.000	3.000	.312	.312	.375	YES	2.393
3.000	3.000	.375	.313	.313	YES	2.717
3.000	3.000	.375	.375	.312	YES	2.717
3.000	4.000	.188	.188	----	YES	1.568
4.000	2.000	.250	.250	.250	YES	1.957
4.000	2.000	.375	.375	.250	YES	2.766
4.000	3.000	.312	.312	.375	YES	2.752
4.000	3.000	.375	.375	.375	YES	3.220
4.000	4.000	.375	.375	.500	YES	3.740
4.000	4.000	.500	.500	.500	YES	4.882
4.000	4.000	.254	.188	----	YES	2.021
4.000	5.000	.375	.375	.500	YES	4.222
4.000	5.000	.500	.500	.500	YES	5.560
4.500	5.000	.282	.188	----	YES	2.523
6.000	3.000	.312	.312	----	YES	3.302
6.000	4.000	.313	.375	----	YES	3.880

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Available in
6061 & 6063 Alloys

ZEEES

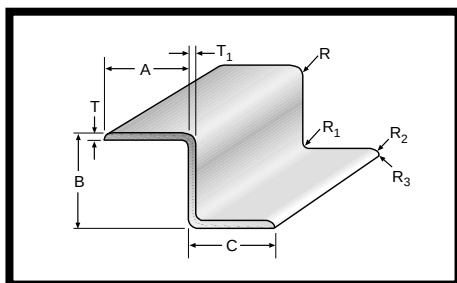
Sharp Corners

A	B	C	T	6061	WT / FT	PERIMETER
.260	1.125	1.000	.125	YES	.338	4.797
.438	.438	.375	.062	NO	.084	2.378
.438	.500	.500	.062	NO	.097	2.750
.438	1.126	1.126	.188	NO	.515	4.952
.500	.500	.348	.094	YES	.131	2.508
.500	.500	.500	.062	NO	.102	2.874
.500	.500	.500	.094	YES	.145	2.812
.562	.312	.375	.062	NO	.084	2.340
.562	.562	.375	.062	NO	.102	2.840
.562	.750	.750	.190	YES	.384	3.727
.562	1.500	.875	.125	YES	.403	5.626
.685	.825	.760	.125	YES	.304	4.290
.700	.563	.563	.125	YES	.236	3.400
.750	.750	.750	.125	YES	.294	4.216
.800	.500	.500	.050	NO	.102	3.466
.875	.750	.750	.125	YES	.319	4.500
.875	1.125	.750	.125	YES	.376	5.250
1.000	.750	1.000	.125	YES	.377	5.250
1.000	1.000	.562	.062	NO	.181	5.000
1.000	1.125	1.125	.125	YES	.450	6.250
1.000	1.500	1.500	.125	YES	.563	7.750
1.070	.750	.425	.050	NO	.128	4.390
1.125	.750	1.000	.125	YES	.394	5.500
1.125	.938	.938	.094	YES	.317	5.810
1.125	1.500	.875	.125	YES	.477	6.750
1.188	1.500	.688	.188	YES	.677	6.376
1.250	1.250	1.250	.125	YES	.526	7.250
1.500	1.000	.750	.050	NO	.190	6.400
1.500	1.500	1.500	.250	YES	1.176	8.500
1.750	1.875	1.750	.125	NO	.769	10.466
2.000	1.000	.750	.125	YES	.526	7.250
2.000	1.250	1.250	.125	YES	.638	8.750
2.000	1.500	.375	.060	NO	.270	7.596
2.000	2.000	1.500	.125	YES	.787	10.695
2.125	.875	.312	.062	NO	.238	6.466
2.250	2.000	2.000	.125	YES	.900	12.250
2.250	2.250	1.500	.250	YES	1.650	11.445
2.500	1.125	.875	.125	YES	.637	8.750
3.125	1.250	1.250	.062	NO	.524	11.062
3.125	1.250	1.250	.062	NO	.409	11.126
3.375	2.000	2.000	.125	YES	1.070	14.510
3.750	1.500	1.500	.250	YES	1.876	13.000
4.000	1.250	1.250	.062	NO	.474	12.876
4.000	3.000	1.000	.125	YES	1.163	15.750

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Round Corners 6061 & 6063 Extruded

ZEES

Available in
6061 & 6063 Alloys

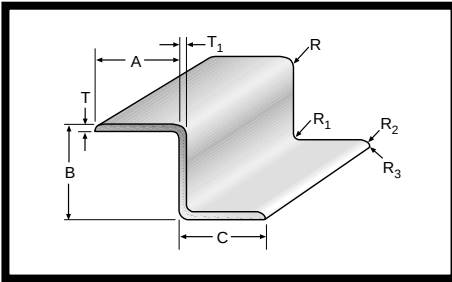
ZEES

A	B	C	T	T-1	R	R-1	R-2	R-3	WT / FT	PER
.500	.180	.500	.055	.055	----	----	.062	----	.073	2.250
.500	.200	.500	.075	.062	.030	----	FULL	FULL	.092	2.178
.500	.305	.500	.055	.055	.040	.015	FULL	FULL	.078	2.406
.500	.355	.500	.050	.050	----	----	FULL	FULL	.068	2.408
.500	.430	.500	.055	.055	.040	.015	FULL	FULL	.085	2.656
.500	.435	.500	.060	.060	.060	----	FULL	FULL	.092	2.638
.500	.450	.500	.075	.062	.030	----	FULL	FULL	.110	2.687
.500	.555	.500	.055	.055	.040	.015	FULL	FULL	.094	2.910
.500	.680	.500	.055	.055	.040	.015	FULL	FULL	.102	3.163
.500	.680	.500	.075	.062	.030	----	FULL	FULL	.127	3.139
.500	.685	.500	.060	.060	.060	----	----	.060	.109	3.147
.500	.685	.500	.060	.060	.060	----	----	.060	.109	3.147
.500	.688	.500	.062	.062	.031	----	FULL	FULL	.115	3.173
.500	.688	.500	.062	.062	.062	----	----	.062	.113	3.138
.500	.750	.500	.062	.062	----	----	.062	----	.119	3.314
.500	.805	.500	.075	.062	.030	----	FULL	FULL	.137	3.388
.500	.860	.500	.055	.055	.040	----	.040	----	.144	3.524
.500	.875	.500	.062	.062	.062	----	----	.062	.126	3.519
.500	.875	.500	.062	.062	.062	.031	----	.062	.126	3.511
.500	.950	.500	.075	.062	.031	----	FULL	FULL	.148	3.677
.500	1.040	.625	*	.075	.031	----	FULL	FULL	.187	4.057
.500	1.315	.500	.055	.055	.055	----	.016	.062	.143	4.396
.500	1.470	.500	.075	.062	*	----	.062	.062	.186	4.728
.515	.227	.527	.087	.087	.030	----	----	.090	.110	2.267
.515	.227	.527	.087	.087	.030	----	----	.090	.110	2.267
.625	.225	.700	.075	.075	.046	----	.062	.062	.124	2.843
.625	.280	.625	*	.075	.031	.031	FULL	FULL	.132	2.787
.625	.334	.700	.075	.075	.046	----	FULL	FULL	.133	3.064
.625	.459	.700	.075	.075	.046	----	FULL	FULL	.144	3.323
.625	.609	.790	.075	.075	.046	----	FULL	FULL	.167	3.786
.625	.625	.625	*	.075	.031	.015	FULL	FULL	.163	3.491
.625	.778	.625	*	.075	.031	.031	FULL	FULL	.178	3.782
.625	.875	.625	.062	.062	.062	----	.062	----	.145	4.020
.625	.981	.790	.075	.075	.046	----	FULL	FULL	.199	4.538
.625	1.062	.500	.062	.062	.055	----	.015	.055	.150	4.156
.625	1.075	.625	.075	.062	.031	.031	FULL	FULL	.180	4.420
.625	1.147	.790	.075	.075	.046	----	FULL	FULL	.215	4.862
.625	1.165	.625	*	.075	.031	.031	FULL	FULL	.212	4.553
.625	1.315	.790	.075	.075	.046	----	FULL	FULL	.229	5.198
.625	1.398	.500	.078	.055	.039	.020	FULL	FULL	.186	4.818
.625	1.765	.625	*	.075	.031	.031	FULL	FULL	.266	5.757
.690	1.845	.875	.070	.070	.025	----	FULL	FULL	.274	6.598
.702	.215	.608	.090	.090	----	----	FULL	FULL	.143	2.776
.710	.760	1.370	*	.080	.062	.031	.015	.015	.260	5.409
.722	.855	.723	.100	.100	.030	----	FULL	FULL	.247	4.277

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Available in
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ZEES

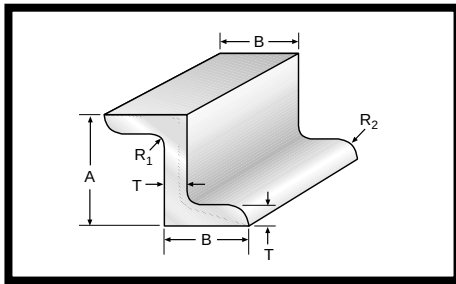
Round Corners
6061 & 6063 Extruded

A	B	C	T	T-1	R	R-1	R-2	R-3	WT / FT	PER
.723	.730	.722	.100	.100	.030	----	FULL	FULL	.234	4.038
.723	1.230	.722	.100	.100	.030	----	FULL	FULL	.294	5.064
1.090	1.740	1.090	.090	.090	----	.125	.090	----	.408	7.475
1.100	.653	.620	.070	.070	.035	.035	----	----	.188	4.550
1.200	2.240	.690	.070	.070	.050	.050	FULL	FULL	.334	8.017
1.250	1.645	1.500	.250	.250	----	.062	----	----	1.170	8.211
2.000	3.000	2.000	.188	.188	----	----	.090	----	1.490	13.521

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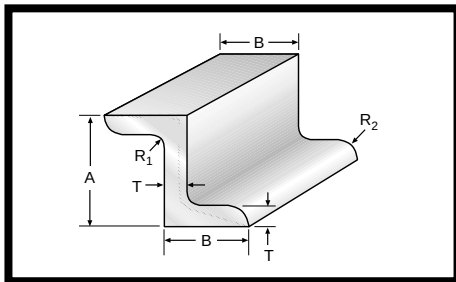


Equal Legs — Structural Rounded Inside Angles & Corners

ZEES

Available in
6061 & 6063 Alloys

A	B	T	R1	R2	WT / FT
1.250	2.000	.188	.171	.188	1.097
1.750	1.750	.188	.188	.125	1.084
2.000	1.250	.188	.188	.125	.920
2.000	2.000	.250	.312	.250	1.668
2.375	1.250	.188	.188	.125	1.002
3.000	2.688	.250	.312	.250	2.328
3.000	2.688	.375	.312	.250	3.375
4.000	1.750	.188	.250	.188	1.621
4.000	3.062	.250	.312	.250	2.846
4.062	3.125	.312	.312	.250	3.575
4.125	3.188	.375	.312	.250	4.318
5.000	3.250	.312	.312	.250	4.010
5.000	3.250	.500	.312	.250	6.198
5.062	3.312	.375	.312	.250	4.845



Equal Legs Rounded Inside Angles & Corners (Army-Navy Drawing)

ZEES

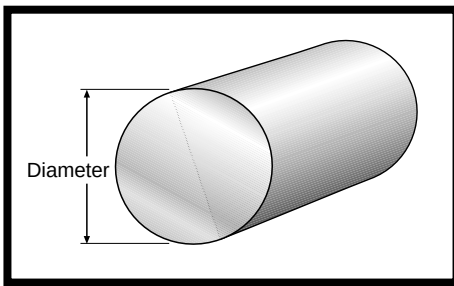
Available in
6061 & 6063 Alloys

A	B	T	R1	WT / FT
1.250	.750	.078	.125	.242
1.500	1.000	.094	.125	.369
2.000	.750	.063	.125	.255
2.000	1.250	.125	.188	.641
2.000	1.500	.125	.125	.699

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Rounds

10 - 14 Foot Random Lengths

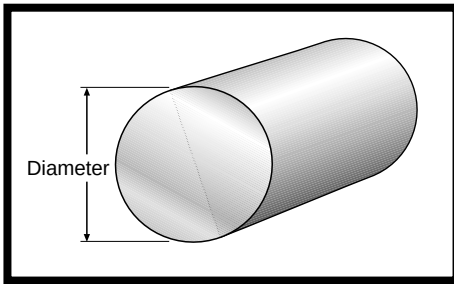
STAINLESS STEEL

STAINLESS STEEL

SIZE (A)	WT. PER FOOT	WT. PER 12' LEN	303	304	304 L	316/316 L	416	440C	630 (17CR-4 NI)
.09375"	.023	.28	■	----	----	----	----	----	----
.125"	.042	.50	■	■	■	■	■	----	----
.130"	.045	.54	■	----	----	----	----	----	----
.15625"	.065	.78	■	■	■	----	■	----	----
.1875"	.094	1.13	■	■	----	■	■	----	----
.193"	.099	1.19	■	----	----	----	----	----	----
.21875"	.128	1.54	■	■	■	----	■	----	----
.125"	.167	2.00	■	■	■	■	■	----	----
.256"	.174	2.08	■	■	■	■	■	----	----
.28125"	.211	2.53	■	■	■	----	----	----	----
.3125"	.261	3.13	■	■	■	■	■	----	----
.319"	.269	3.23	■	■	■	----	■	----	----
.34375"	.316	3.79	■	■	■	----	----	----	----
.375"	.376	4.51	■	■	■	■	■	----	■
.382"	.386	4.62	■	■	----	■	■	----	----
.40625"	.441	5.29	■	■	■	----	■	----	----
.4375"	.511	6.13	■	■	■	■	■	----	----
.444"	.535	6.42	■	----	----	----	----	----	----
.46875"	.587	7.04	■	■	■	----	----	----	----
.5"	.668	8.02	■	■	■	■	■	■	■
.507"	.680	8.16	■	■	■	■	■	----	----
.528"	.754	9.05	■	----	----	----	----	----	----
.53125	.754	9.05	■	----	----	----	----	----	----
.5625"	.845	10.14	■	■	■	■	■	■	■
.59375"	.941	11.29	■	----	----	----	----	----	----
.625"	1.043	12.52	■	■	■	■	■	■	■
.633"	1.060	12.72	■	■	■	----	■	----	----
.6875"	1.262	15.14	■	■	■	■	■	■	----
.75"	1.502	18.02	■	■	■	■	■	■	■
.758"	1.522	18.26	■	■	■	■	■	----	----
.8125"	1.763	21.16	■	■	■	■	■	----	----
.875"	2.044	24.53	■	■	■	■	■	■	----
.888"	2.08	24.96	■	----	■	----	----	----	----
.9375"	2.347	28.16	■	■	■	■	■	----	■
1"	2.670	32.04	■	■	■	■	■	■	■
1.010"	2.723	32.67	■	■	■	■	■	----	----
1.0625"	3.014	36.17	■	■	■	■	■	----	■
1.125"	3.379	40.55	■	■	■	■	■	■	----
1.1875"	3.766	45.19	■	■	■	■	■	----	■
1.25"	4.173	50.08	■	■	■	■	■	■	■
1.3125"	4.600	55.20	■	■	■	■	■	■	■
1.375"	5.049	60.59	■	■	■	■	■	■	■
1.4375"	5.518	66.22	■	■	■	■	■	----	■
1.5"	6.008	72.10	■	■	■	■	■	■	■
1.513"	6.200	74.52	■	■	■	----	----	----	----

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Rounds

10 - 14 Foot Random Lengths

STAINLESS STEEL

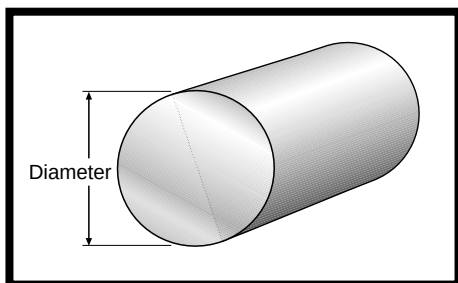
SIZE (A)	WT. PER FOOT	WT. PER 12' LEN	303	304	304 L	316/316 L	416	440C	630 (17CR-4 NI)
1.5625"	6.520	78.24	■	■	■	■	----	----	■
1.625"	7.051	84.61	■	■	■	■	■	■	■
1.6875"	7.604	91.25	■	■	■	■	■	----	----
1.75"	8.178	98.14	■	■	■	■	■	■	■
1.763"	8.305	100.38	■		----	----	----	----	----
1.8125"	8.773	105.30	■	■	■	■	■	----	----
1.875"	9.388	112.70	■	■	■	■	■	■	■
1.9375"	10.020	120.20	■	■	■	■	■	■	----
2"	10.680	128.20	■	■	■	■	■	■	■
2.013"	10.896	130.75	■	----	----	----	----	----	----
2.0625"	11.360	136.30	■	----	----	----	----	----	----
2.125"	12.060	144.70	■	■	■	■	■	----	■
2.1875"	12.780	153.40	■	■	■	■	■	----	■
2.25"	13.520	162.20	■	■	■	■	■	■	■
2.3125"	14.280	171.40	■	■	■	■	■	----	----
2.375"	15.060	180.70	■	■	■	■	■	----	■
2.4375"	15.870	190.40	■	■	■	■	■	----	■
2.5"	16.690	200.30	■	■	■	■	■	■	■
2.625"	18.400	220.80	■	■	■	■	■	----	■
2.75"	20.200	242.40	■	■	■	■	■	----	■
2.875"	22.070	264.80	■	■	■	■	■	----	■
2.9375"	23.040	276.50	■	■	■	■	----	----	----
3"	24.030	288.40	■	■	■	■	■	■	■
3.125"	26.080	312.10	■	■	■	■	■	----	■
3.25"	28.210	338.50	■	■	■	■	■	■	■
3.375"	30.420	365.00	■	■	■	■	■	----	----
3.4375"	31.550	378.60	----	■	■	----	----	----	----
3.5"	32.710	392.50	■	■	■	■	■	■	■
3.625"	35.090	421.10	■	■	■	■	■	----	----
3.75"	37.550	450.60	■	■	■	■	■	----	■
4"	42.730	512.80	■	■	■	■	■	■	■
4.25"	48.230	578.70	■	■	■	■	■	----	----
4.5"	54.080	648.90	■	■	■	■	■	----	■
4.75"	60.250	723.00	■	■	■	■	■	----	■
5"	66.770	801.10	■	■	■	■	■	----	■
5.25"	73.600	883.20	■	■	■	■	■	----	----
5.5"	80.780	969.40	■	■	■	■	■	----	----
5.75"	88.290	1059.00	■	■	■	■	----	----	----
6"	96.130	1153.50	■	■	■	■	■	----	----
6.25"	104.300	1252.00	■	■	■	■	----	----	----
6.5"	112.800	1353.80	■	■	■	■	■	----	----
6.75"	121.700	1460.00	■	----	----	----	----	----	----
7"	130.900	1570.80	■	■	■	■	■	----	----
7.5"	150.200	1802.00	■	■	■	■	----	----	----
8"	171.000	2052.00	■	■	■	■	■	----	----

STAINLESS STEEL

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Rounds

10 - 14 Foot Random Lengths

STAINLESS STEEL

SIZE (A)	WT. PER FOOT	WT. PER 12' LEN	303	304	304 L	316/316 L	416	440C	630 (17CR-4 NI)
8.5"	192.900	2315.00	■	■	■	■	----	----	----
9"	216.300	2595.60	■	■	■	■	----	----	----
9.5"	241.200	2895.00	■	■	■	■	----	----	----
10"	267.00	3204.00	■	■	■	■	----	----	----
10.5"	294.700	3536.00	----	■	■	■	----	----	----
11"	323.400	3881.00	----	■	■	■	----	----	----
12"	385.560	4626.70	■	■	■	■	----	----	----

SIZE (A)	WT. PER FOOT	WT. PER 12' LEN	WT. PER 20' LEN	PUMP SHAFT QUALITY (PSQ) 20 FOOT LENGTHS		BEARING SHAFT QUALITY (BSQ) 12 FOOT LENGTHS		ACCURACY (GROUND & POLISHED) 12 FOOT LENGTHS	
				316	416	ACTUAL SIZE	303	303	
.25"	.167	2.00	----	----	----	.2480/.2490	■	----	
.375"	.376	4.51	----	----	----	.3735/.3745	■	----	
.5"	.668	8.02	----	----	----	.4985/.4995	■	■	
.625"	1.043	12.52	----	----	----	.6235/.6245	■	■	
.75"	1.502	18.02	30.04	■	■	.7482/.7495	■	■	
.875"	2.044	24.53	----	----	----	.8730/.8740	■	----	
1"	2.670	32.04	53.40	■	■	.9985/.9995	■	■	
1.125"	3.379	40.55	67.58	■	----	----	----	----	
1.1875"	3.766	----	75.32	■	■	----	----	----	
1.25"	4.173	50.08	83.46	■	■	1.2485/1.2495	■	■	
1.4375"	5.518	66.22	110.36	■	■	----	----	----	
1.5"	6.008	72.10	120.16	■	■	1.4985/1.4995	■	■	
1.6875"	7.604	----	152.08	■	■	----	----	----	
1.75"	8.178	----	163.56	■	----	----	----	----	
1.9375"	10.020	----	200.40	■	■	----	----	----	
2"	10.680	----	213.60	■	■	----	----	----	
2.1875"	12.780	----	255.60	■	■	----	----	----	
2.4375"	15.870	----	317.40	■	■	----	----	----	
2.5"	16.690	----	333.80	■	----	----	----	----	
2.9375"	23.040	----	460.80	----	■	----	----	----	
3"	24.030	----	480.60	----	■	----	----	----	

SURFACE FINISH: RMS

PSQ - T-316 - 32 OR BETTER

PSQ - T-416 - 16 OR BETTER

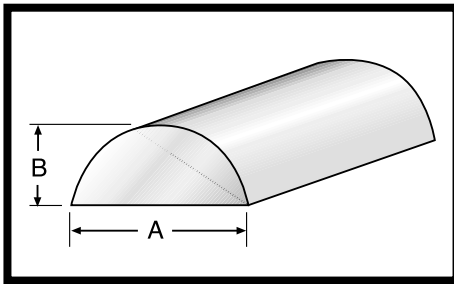
BSQ - T303 - 32 OR BETTER

ACCURACY - T-303 - 20 OR BETTER

DIAMETER TOLERANCES	PSQ	BSQ	ACCURACY	DIAMETER TOLERANCES	PSQ	BSQ	ACCURACY
.375" THRU .625"	+.000 / -.002	SEE ACTUAL SIZE	±.0005	1.625" THRU 2.5"	+.000 / ±.003	SEE ACTUAL SIZE	±.0005
.75" THRU 1.5"	+.000 / -.002	SEE ACTUAL SIZE	±.0005	2.625" THRU 3"	+.000 / ±.004	SEE ACTUAL SIZE	±.0005

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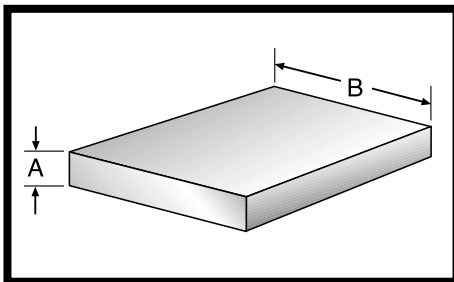
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Half Rounds 20 Foot Lengths

STAINLESS STEEL

SIZE		WT. PER FOOT	WT. PER 20' LEN	304	
(A)	(B)			ACD	HRAP
.625" x	.3125"	.521	10.42	■	
.75" x	.375"	.751	15.02	■	



Flat Bar 12 - 14 Foot Random Lengths

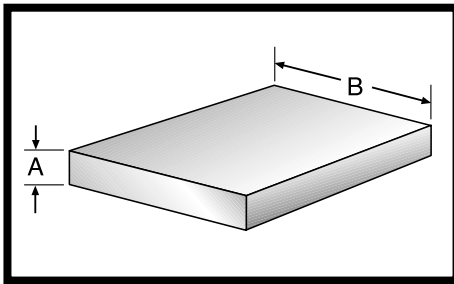
STAINLESS STEEL

SIZE		WT. PER FOOT*	WT. PER 12' LEN*	303 ACD	304/304L PROCESSED FLATS	304 HRAP	304L HRAP	316/316L PROCESSED FLATS	316/316L HRAP
(A)	(B)								
.125"	x .25"	.106	1.27	----	■	----	----	----	----
	x .375"	.159	1.91	----	■	----	----	----	----
	x .5"	.213	2.56	----	■	----	----	■	----
	x .625"	.266	3.19	----	■	----	----	■	----
	x .75"	.319	3.83	----	■	----	----	■	----
	x 1"	.425	5.10	■	■	----	----	■	----
	x 1.25"	.531	6.37	----	■	■	----	■	----
	x 1.5"	6.38	7.66	■	■	■	■	■	----
	x 1.75"	7.44	8.93	----	■	----	----	----	----
	x 2"	8.50	10.20	■	■	■	■	■	■
x	2.5"	1.063	12.76	----	■	----	----	■	----
	3"	1.275	15.30	----	■	----	----	■	----
	3.5"	1.490	17.88	----	■	----	----	----	----
	4"	1.700	20.40	----	■	----	----	■	----
	6"	2.550	30.60	----	■	----	----	■	----
.1875	x .5"	.319	3.83	■	■	----	----	■	----
	x .625"	.398	4.78	----	■	----	----	■	----
	x .75"	.478	5.74	----	■	■	■	■	----
	x 1"	.638	7.66	■	■	■	■	■	----
	x 1.25"	.797	9.56	----	■	■	■	■	----
x	1.5"	.956	11.47	■	■	■	■	■	----
	1.75"	1.116	13.39	----	■	----	----	----	----
	2"	1.275	15.30	■	■	■	■	■	----
	2.5"	1.594	19.13	----	■	■	■	■	----
	3"	1.913	22.96	----	■	■	■	■	----

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Flat Bar

12 - 14 Foot Random Lengths

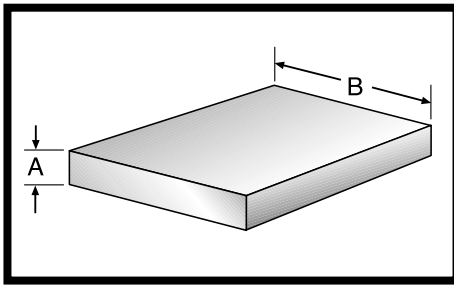
STAINLESS STEEL

STAINLESS STEEL

(A)	SIZE (B)	WT. PER FOOT*	WT. PER 12' LEN*	303 ACD	304/304L PROCESSED FLATS	304 HRAP	304L HRAP	316/316L PROCESSED FLATS	316/316L HRAP
.1875"	x 3.5"	2.231	26.77	----	■	----	----	----	----
	x 4"	2.550	30.60	----	■	----	----	■	----
	x 5"	3.188	36.26	----	■	----	----	■	----
	x 6"	3.825	45.90	----	■	----	----	■	----
	x 8"	5.100	61.20	----	■	----	----	----	----
.25"	x .375"	.319	3.83	----	■	----	----	----	----
	x .5"	.425	5.10	■	■	■	■	■	----
	x .625"	.531	6.47	----	■	----	----	■	----
	x .75"	.628	7.66	■	■	■	■	■	■
	x 1"	.850	10.20	■	■	■	■	■	■
	x 1.25"	1.063	12.76	■	■	■	■	■	■
	x 1.5"	1.275	15.30	■	■	■	■	■	■
	x 1.75"	1.488	17.86	----	■	■	■	■	■
	x 2"	1.700	20.40	■	■	■	■	■	■
	x 2.5"	2.120	25.44	■	■	■	■	■	■
	x 3"	2.550	30.60	■	■	■	■	■	■
	x 3.5"	2.975	35.70	----	■	■	■	■	----
	x 4"	3.400	40.80	■	■	■	■	■	■
	x 5"	4.250	51.00	----	■	----	----	■	----
	x 6"	5.100	61.20	----	■	----	----	■	----
.3125"	x 8"	6.800	81.60	----	■	----	----	■	----
	x 1"	1.063	12.76	----	■	■	■	----	----
	x 1.25"	1.328	15.94	----	■	■	■	----	----
	x 1.5"	1.594	19.13	----	■	■	■	■	----
	x 2"	2.125	25.50	----	■	■	■	■	----
	x 2.5"	2.660	31.86	----	■	----	----	■	----
	x 3"	3.191	38.29	----	■	----	----	■	----
	x 4"	4.254	51.05	----	■	----	----	----	----
.375"	x .5	.638	7.66	----	----	■	■	----	----
	x .625"	.797	9.56	----	----	■	■	----	----
	x .75"	.956	11.47	■	----	■	■	----	■
	x 1"	1.257	15.30	■	■	■	■	■	■
	x 1.25"	1.594	19.13	■	■	■	■	■	■
	x 1.5"	1.913	22.96	■	■	■	■	■	■
	x 1.75"	2.231	26.77	----	■	■	■	■	----
	x 2"	2.550	30.60	■	■	■	■	■	■
	x 2.25"	2.869	34.43	----	■	----	----	----	----
	x 2.5"	3.190	38.28	■	■	■	■	■	■
	x 3"	3.830	45.96	■	■	■	■	■	■
	x 3.5"	4.470	53.64	----	■	■	■	■	----
	x 4"	5.100	61.20	■	■	■	■	■	■
	x 4.5"	5.738	68.86	----	■	----	----	■	----
	x 5"	6.375	76.50	----	■	■	■	■	----
	x 6"	7.680	92.16	----	■	■	■	■	■
	x 8"	10.200	122.40	----	■	----	----	----	----

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Flat Bar

12 - 14 Foot Random Lengths

STAINLESS STEEL

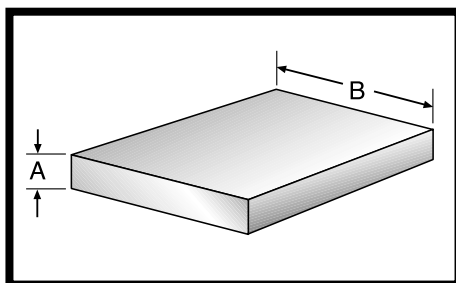
(A)	SIZE (B)	WT. PER FOOT*	WT. PER 12' LEN*	303 ACD	304/304L PROCESSED FLATS	304 HRAP	304L HRAP	316/316L PROCESSED FLATS	316/316L HRAP
.5"	x .75"	1.275	15.30	■	----	■	■	----	■
	x 1"	1.700	20.40	■	■	■	■	■	■
	x 1.25"	2.125	25.50	■	■	■	■	■	■
	x 1.5"	2.550	30.60	■	■	■	■	■	■
	x 1.75"	2.975	35.70	----	■	■	■	----	■
	x 2"	3.400	40.80	■	■	■	■	■	■
	x 2.5"	4.250	51.00	■	■	■	■	■	■
	x 3"	5.100	61.20	■	■	■	■	■	■
	x 3.5"	5.950	71.40	----	■	■	■	■	■
	x 4"	6.800	81.60	■	■	■	■	■	■
	x 4.5	7.650	91.80	----	■	■	■	■	----
	x 5"	8.500	102.00	----	■	■	■	■	■
	x 6"	10.200	122.40	----	■	■	■	■	■
	x 8"	13.600	163.20	■	----	----	----	■	----
	.625" x .75"	1.595	19.14	----	----	■	■	----	----
.75"	x 1"	2.125	25.50	■	----	■	■	----	■
	x 1.25"	2.656	31.87	■	----	■	■	----	■
	x 1.5"	3.188	38.26	----	----	■	■	----	■
	x 2"	4.250	51.00	----	----	■	■	----	■
	x 2.5"	5.313	63.76	----	----	■	■	----	■
	x 3"	6.375	76.50	■	----	■	■	----	■
	x 3.5"	7.440	89.26	----	----	■	■	----	----
	x 4"	8.500	102.00	----	----	■	■	----	■
	x 5"	10.640	127.60	----	----	■	■	----	----
	x 6"	12.750	153.00	----	----	■	■	----	■
	x 1"	2.550	30.60	■	----	■	■	----	■
	x 1.25"	3.188	38.26	■	----	■	■	----	■
	x 1.5"	3.825	45.90	■	----	■	■	----	■
	x 1.75"	4.460	53.53	----	----	■	■	----	■
	x 2"	5.100	61.20	■	----	■	■	----	■
1"	x 2.5"	6.375	76.60	■	----	■	■	----	■
	x 3"	7.650	91.80	■	----	■	■	----	■
	x 3.5"	9.925	107.10	----	----	■	■	----	■
	x 4"	10.200	122.40	----	----	■	■	----	■
	x 4.5"	11.470	137.60	----	----	■	■	----	----
	x 5"	12.760	153.10	----	----	■	■	----	■
	x 6"	15.300	186.30	----	----	■	■	----	■
	x 8"	20.400	244.80	----	----	■	■	----	----
	x 1.25"	4.250	51.00	----	----	■	■	----	■
	x 1.5"	5.100	61.20	■	----	■	■	----	■
	x 1.75"	5.950	71.40	----	----	■	■	----	■
	x 2"	6.800	81.20	■	----	■	■	----	■
	x 2.5"	8.500	102.00	■	----	■	■	----	■
	x 3"	10.200	122.40	■	----	■	■	----	■
	x 3.5"	11.900	142.80	----	----	■	■	----	■

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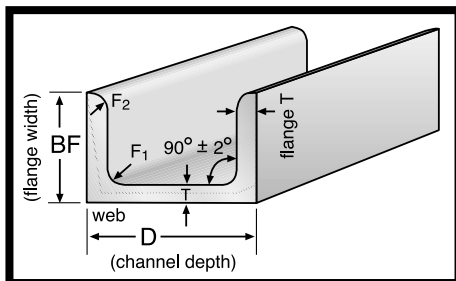


Flat Bar

12 - 14 Foot Random Lengths

STAINLESS STEEL

SIZE (A)		SIZE (B)	WT. PER FOOT*	WT. PER 12' LEN*	303 ACD	304/304L PROCESSED FLATS	304 HRAP	304L HRAP	316/316L PROCESSED FLATS	316/316L HRAP
1"	x	4"	13.600	163.20	■	----	■	■	----	■
	x	5"	17.000	204.00	----	----	■	■	----	■
	x	6"	20.400	244.80	----	----	■	■	----	■
	x	8"	27.200	326.40	----	----	■	■	----	----
1.25"	x	1.5"	6.375	76.50	----	----	■	■	----	■
	x	2"	8.500	102.00	■	----	■	■	----	■
	x	2.5"	10.630	127.56	----	----	■	■	----	■
	x	3"	12.750	153.00	■	----	■	■	----	■
	x	4"	17.00	204.00	----	----	■	■	----	■
	x	5"	21.250	255.00	----	----	■	■	----	----
1.5"	x	6"	25.520	306.30	----	----	■	■	----	----
	x	2"	10.200	122.40	■	----	■	■	----	■
	x	2.5"	12.750	153.00	----	----	■	■	----	■
	x	3"	15.300	183.60	----	----	■	■	----	■
	x	4"	20.400	244.80	----	----	■	■	----	■
	x	5"	25.500	206.00	----	----	■	■	----	----
	x	6"	30.630	367.50	----	----	■	■	----	----
2"	x	3"	20.400	244.80	----	----	■	■	----	■
	x	4"	27.200	326.00	----	----	■	■	----	■



Channel

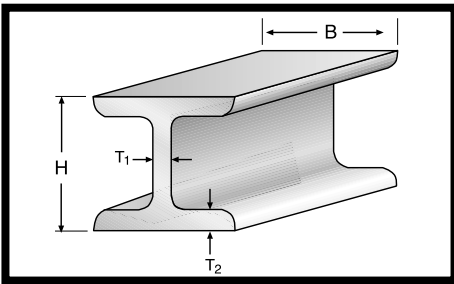
19 - 22 Foot Random Length

STAINLESS STEEL

APPROX. SIZE IN INCHES (D)		APPROX. SIZE IN INCHES (BF)		APPROX. SIZE IN INCHES (T)	ACTUAL SIZE IN MM	WT. PER FOOT	WT. PER 20' LEN	304	304L	316/316L	FINISH
1.5"	x	.75"	x	.125"	40MM x 20MM x 3 MM	1.200	24.00	■	■	----	ROLLED-HRAP
2"	x	1"	x	.125"	50MM x 25MM x 3 MM	1.530	30.60	■	■	■	ROLLED-HRAP
2"	x	1"	x	.1875"	----	2.650	53.00	■	■	----	EXTRUDED
2"	x	1"	x	.25"	----	3.000	60.00	■	■	■	EXTRUDED
3"	x	1.375"	x	.1875"	----	3.530	70.60	■	■	----	ROLLED-HRAP
3"	x	1.5"	x	.1875"	80MM x 40MM x 5 MM	4.010	80.20	■	■	■	ROLLED-HRAP
3"	x	1.5"	x	.25" (3 x 4.1#)	WELDED ANGLES	4.790	95.80	■	■	■	WELDED-HRAP
4"	x	1.75"	x	.25"	----	6.160	123.20	■	■	■	ROLLED-HRAP
4"	x	2"	x	.25" (4 x 6#)	100MM x 50MM x 6 MM	6.580	131.60	■	■	■	ROLLED-HRAP
5"	x	1.875"	x	.375"	----	10.139	202.78	■	■	----	EXTRUDED
5"	x	2.5"	x	.25"	130MM x 65MM x 6 MM	8.000	160.00	■	■	■	ROLLED-HRAP
6"	x	1.9"	x	.343" (6 x 8.2#)	----	8.300	166.00	■	■	■	EXTRUDED
6"	x	3"	x	.25"	WELDED ANGLES	10.100	202.00	■	■	■	WELDED-HRAP
6"	x	3"	x	.375"	WELDED ANGLES	14.800	296.00	■	■	■	WELDED-HRAP
8"	x	2.53"	x	.390"	----	18.800	376.00	■	■	----	EXTRUDED
8"	x	4"	x	.375"	WELDED ANGLES	20.000	400.00	■	■	■	WELDED-HRAP

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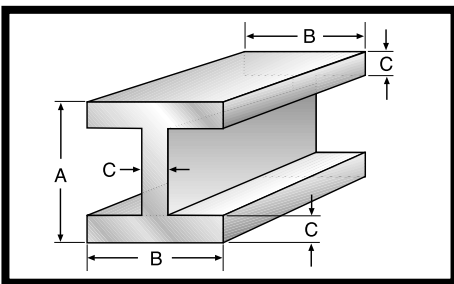


"H" Beams

19 - 20 Foot Random Lengths

STAINLESS STEEL

APPROX. SIZE IN INCHES					ACTUAL SIZE IN MM				WT. PER FOOT	WT. PER 20' LEN	304	
(D)		(BF)	(T1)	(T2)	(H)		(B)	(T1)				(T2)
4"	x	4"	x .25"	x .3125"	100 MM	x	100 MM	x 6 MM	x 8 MM	11.22	224.40	■
5"	x	5"	x .25"	x .375"	125 MM	x	125 MM	x 6.5 MM	x 9 MM	16.13	322.60	■
6"	x	4"	x .25"	x .375"	148 MM	x	100 MM	x 6 MM	x 9 MM	13.78	275.60	■
6"	x	6"	x .25"	x .375"	150 MM	x	150 MM	x 7 MM	x 10 MM	21.37	427.40	■

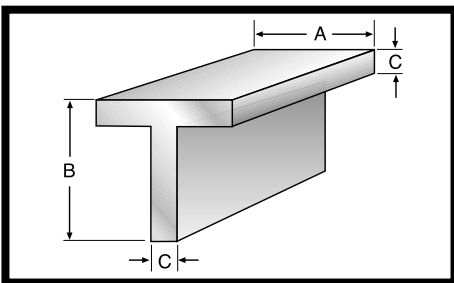


"I" Beams — Hot Extruded —

20 - 24 Foot Random Lengths

STAINLESS STEEL

SIZE					WT. PER FOOT	WT. PER 20' LEN	304
(A)		(B)	(C)				
3"	x	2.375"	x	.25" (6.6#)	6.60	132.00	■
4"	x	2.75"	x	.25" (8.4#)	8.44	168.80	■
6"	x	3.3"	x	.359"	14.90	298.00	■



Tee Bars — Hot Extruded —

17 - 23 Foot Random Lengths

STAINLESS STEEL

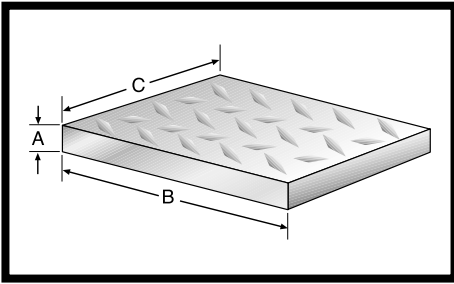
SIZE				WT. PER FOOT	WT. PER 20' LEN	304/304L
(A)	(B)	(C)				
2"	x	2"	x .25"	3.22	64.40	■
3"	x	3"	x .25"	5.31	106.20	■

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Diamond Floor Plate

H.R.A.P. — Pattern B

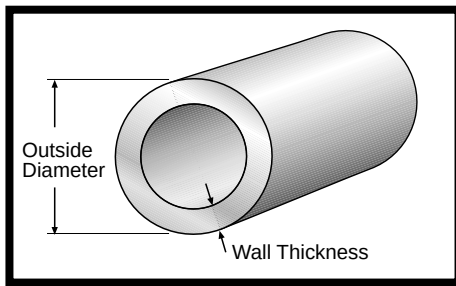
STAINLESS STEEL

STAINLESS STEEL

SIZE			WT. PER SQ. FOOT	WT. PER PIECE	304	316
(A)	(B)	(C)				
.125"	x 36"	x 120"	6.15	184.50	■	
.1875"	x 36"	x 120"	8.70	261.00	■	
.25"	x 36"	x 120"	11.25	337.50	■	
.25"	x 48"	x 96"	11.25	360.00	■	
.25"	x 48"	x 120"	11.25	450.00	■	■
.25"	x 48"	x 144"	11.25	540.00	■	
.125"	x 48"	x 96"	6.15	196.80	■	
.125"	x 48"	x 120"	6.15	246.00	■	
.1875"	x 48"	x 96"	8.70	278.40	■	
.1875"	x 48"	x 120"	8.70	348.00	■	
.1875"	x 48"	x 144"	8.70	417.60	■	
.375"	x 48"	x 96"	16.37	523.84	■	
.375"	x 48"	x 120"	16.37	654.80	■	

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Ornamental and Structural Tubing

ASTM A554-Welded – 20 Foot Lengths

STAINLESS STEEL

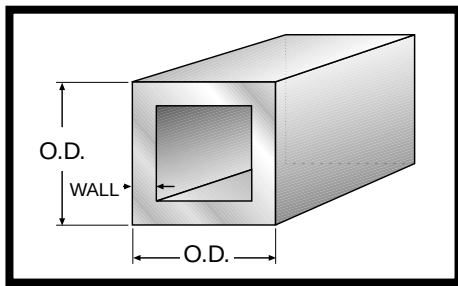
SIZE			ROUND			
O.D.	WALL	20' LEN	MILL FINISH	304 POLISHED 180 GRIT	POLISHED & BUFFED	316/316L MILL FINISH
.375"	x .049	3.41	■	----	----	----
.5"	x .049	4.72	----	----	■	----
.5"	x .065	6.04	■	■	----	----
.5"	x .035	3.40	■	----	----	----
.625"	x .065	7.78	■	----	----	----
.625"	x .049	6.00	■	----	----	----
.75"	x .035	5.35	■	----	----	----
.75"	x .049	7.32	■	----	■	----
.75"	x .065	9.51	■	■	■	■
.875"	x .049	8.64	----	■	■	----
.875"	x .065	11.24	■	----	■	----
1"	x .035	7.22	■	----	----	----
1"	x .049	9.96	■	■	■	----
1"	x .065	13.00	■	■	■	■
1"	x .120	22.55	■	■	----	■
1.25"	x .049	12.56	■	■	■	----
1.25"	x .065	16.44	■	■	■	■
1.25"	x .083	20.69	■	----	■	----
1.25"	x .120	28.96	■	■	----	■
1.5"	x .049	15.18	■	■	■	----
1.5"	x .065	19.92	■	■	■	■
1.5"	x .083	25.12	■	----	----	----
1.5"	x .120	35.37	■	■	----	■
1.625"	x .065	21.66	----	■	----	----
1.75"	x .065	23.39	■	■	----	----
1.75"	x .120	41.78	■	----	----	----
2"	x .049	20.42	----	■	----	----
2"	x .065	26.86	■	■	■	■
2"	x .083	33.99	■	----	----	----
2"	x .120	48.18	■	■	----	■
2.25"	x .065	29.30	■	----	----	----
2.25"	x .120	53.20	■	----	----	----
2.5"	x .065	33.80	■	■	----	----
2.5"	x .120	61.00	■	■	----	----
3"	x .065	40.75	■	■	----	----
3"	x .120	73.82	■	■	----	----
3"	x .180	108.42	■	----	----	----
3.5"	x .065	47.69	■	----	----	----
4"	x .065	54.64	■	----	----	----
4"	x .120	100.38	■	----	----	■

STAINLESS STEEL

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Ornamental and Structural Tubing

ASTM A554-Welded – 20 Foot Lengths

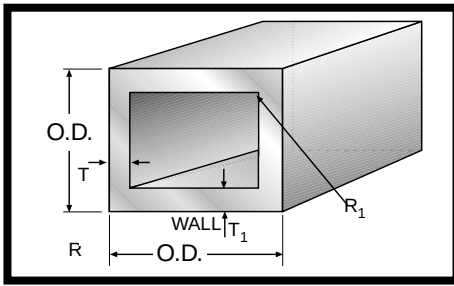
STAINLESS STEEL

SQUARE

SIZE		20' LEN	MILL FINISH	304 POLISHED 180 GRIT	316/316L MILL FINISH
O.D.	WALL				
.5"	x .049	6.00	■	----	----
.5"	x .065	6.78	■	----	----
.625"	x .065	9.90	■	----	----
.75"	x .065	12.12	■	■	----
.75"	x .120	22.56	■	----	----
1"	x .049	12.68	■	■	----
1"	x .065	16.52	■	■	■
1"	x .083	20.70	■	----	----
1"	x .120	28.72	■	■	■
1.25"	x .065	20.94	■	■	----
1.25"	x .083	26.34	■	■	----
1.25"	x .120	36.88	■	----	----
1.5"	x .049	19.34	■	■	----
1.5"	x .065	25.98	■	■	■
1.5"	x .083	32.00	■	■	----
1.5"	x .120	41.24	■	■	■
1.5"	x .180	66.42	■	■	----
1.75"	x .065	32.00	■	----	----
1.75"	x .083	40.46	■	----	----
1.75"	x .120	54.60	■	----	----
2"	x .065	34.20	■	■	■
2"	x .083	43.28	■	■	----
2"	x .120	61.36	■	■	■
2"	x .180	89.12	■	■	■
2"	x .250	120.14	■	----	■
2.5"	x .120	77.68	■	----	----
2.5"	x .180	113.58	■	----	----
2.5"	x .250	146.86	■	----	----
3"	x .120	94.00	■	----	■
3"	x .180	138.06	■	----	■
3"	x .250	179.06	■	----	----
3.5"	x .180	161.00	■	----	----
4"	x .120	125.20	■	----	■
4"	x .180	186.40	■	----	----
4"	x .250	253.66	■	----	■
5"	x .250	327.40	■	----	----
6"	x .180	287.00	■	----	----
6"	x .250	363.98	■	----	----

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Ornamental and Structural Tubing

ASTM A554-Welded – 20 Foot Lengths

STAINLESS STEEL

RECTANGULAR

SIZE				20' LEN	304 MILL FINISH	316/316L MILL FINISH
O.D.		WALL				
.5" x 1"	x	.049		6.00	■	----
.5" x 1.5"	x	.065		16.53	■	----
.75" x 1.25"	x	.065		16.53	■	----
.75" x 1.5"	x	.065		18.74	■	----
.75" x 1.5"	x	.120		32.80	■	----
1" x 1.5"	x	.065		20.94	■	----
1" x 1.5"	x	.083		26.34	■	----
1" x 1.5"	x	.120		36.88	■	----
1" x 2"	x	.065		25.36	■	■
1" x 2"	x	.083		31.98	■	----
1" x 2"	x	.120		45.04	■	■
1" x 2.5"	x	.065		29.80	■	----
1" x 3"	x	.065		34.20	■	----
1" x 3"	x	.120		61.36	■	----
1" x 4"	x	.120		77.60	■	----
1.5" x 2"	x	.065		29.80	■	----
1.5" x 2"	x	.120		53.20	■	----
1.5" x 3"	x	.065		38.63	■	----
1.5" x 3"	x	.120		69.52	■	----
2" x 3"	x	.120		77.68	■	■
2" x 3"	x	.180		113.58	■	----
2" x 3"	x	.250		146.85	■	----
2" x 4"	x	.120		94.00	■	----
2" x 4"	x	.180		138.06	■	----
2" x 4"	x	.250		178.70	■	■
2" x 5"	x	.120		118.56	■	----
2" x 5"	x	.180		174.78	■	----
2" x 6"	x	.120		126.26	■	----
2" x 6"	x	.180		184.00	■	----
2" x 6"	x	.250		252.66	■	----
3" x 4"	x	.120		110.32	■	----
3" x 4"	x	.180		162.54	■	----
3" x 4"	x	.250		226.95	■	----
3" x 5"	x	.120		125.80	■	----
3" x 5"	x	.180		180.40	■	----
3" x 5"	x	.250		253.66	■	----
3" x 6"	x	.180		211.60	■	----
3" x 6"	x	.250		274.60	■	----
4" x 6"	x	.180		248.00	■	----
4" x 6"	x	.250		301.40	■	----
4" x 8"	x	.250		392.00	■	----

STAINLESS STEEL

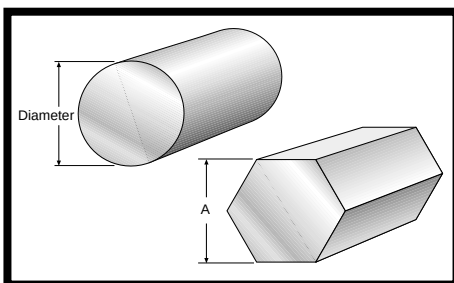
GAUGE TO DECIMAL

20 GA = .035 18 GA = .049 16 GA = .065 14 GA = .109 12 GA = .120 7 GA = .180

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Free Cutting Brass Standard Lengths of 12 Foot

BRASS

Alloy C-360 to
ASTM B-16/B-249

ROUND DIAMETER

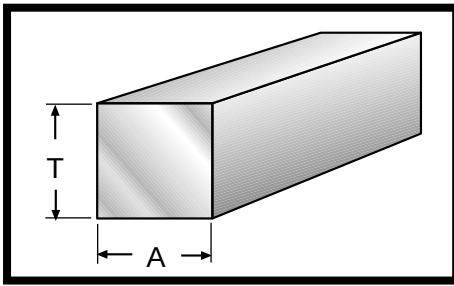
DIA IN INCHES	LBS PER FOOT	DIA IN INCHES	LBS PER FOOT
.125	.0452	1.8125	9.5005
.140625	.0572	1.875	10.1670
.15625	.0706	1.9375	10.8561
.1875	.1017	2	11.5678
.21875	.1384	2.125	13.0589
.25	.1807	2.1875	13.8384
.28125	.2288	2.25	14.6404
.3125	.2824	2.375	16.3123
.328125	.3114	2.5	18.0746
.34375	.3417	2.625	19.9273
.275	.4067	2.75	21.8703
.390625	.4413	2.875	23.9037
.40625	.4773	3	26.0275
.421875	.5147	3.125	28.2416
.4375	.5535	3.24	30.5461
.453125	.5938	3.375	32.9410
.46875	.6354	3.5	35.4263
.5	.7230	3.75	40.6679
.53125	.8160	4	46.2710
.5625	.9150	4.25	52.2357
.625	1.1297	4.5	58.5618
.640625	1.1868	4.75	65.2494
.6875	1.3669	5	72.2985
.75	1.6267	5.25	79.7091
.8125	1.9091	5.5	87.4812
.875	2.2141	5.75	95.6148
.9375	2.5417	6	104.1098
1	2.8919	6.5	122.1845
1.0625	3.2647	7	141.7051
1.125	3.6601	7.5	162.6716
1.1875	4.0781	8	185.0842
1.25	4.5187	8.5	208.9427
1.3125	4.9818	9	234.2471
1.375	5.4676	9.5	260.9976
1.4375	5.9759	10	289.1940
1.5	6.5069	11	249.9247
1.5625	7.0604	11.5	382.4591
1.625	7.6365	12	416.4394
1.6875	8.2353	13	488.7379
1.75	8.8566	14	566.8202

HEX BAR

ACROSS FLATS	LBS PER FOOT	ACROSS FLATS	LBS PER FOOT
.125	.0498	1.125	4.0378
.140625	.0631	1.1875	4.4989
.15625	.0779	1.25	4.9849
.1875	.1122	1.3125	5.4959
.21875	.1527	1.375	6.0317
.25	.1994	1.4375	6.5925
.28125	.2524	1.5	7.1783
.3125	.3116	1.5625	7.7889
.328125	.3435	1.625	8.4245
.34375	.377	1.6875	9.0850
.375	.440	1.75	9.7704
.390625	.4868	1.8125	10.4808
.40625	.5265	1.875	11.2161
.421875	.5678	1.9375	11.9763
.4375	.6107	2	12.7614
.453125	.6550	2.125	14.064
.46875	.7010	2.1875	15.2663
.5	.7976	2.25	16.1511
.53125	.9002	2.375	17.9955
.5625	1.0094	2.5	19.9397
.625	1.2462	2.625	21.9835
.640625	1.3092	2.75	24.1270
.6875	1.5079	2.875	26.3702
.75	1.7946	3	28.7131
.8125	2.1061	3.125	31.1557
.875	2.4426	3.25	33.6980
.9375	2.8040	3.375	36.3400
1	3.1903	3.5	39.0817
1.0625	3.6016		

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Free Cutting Brass Standard Lengths of 12 Foot

BRASS

Alloy C-360 to
ASTM B-16/B-249

SQUARE

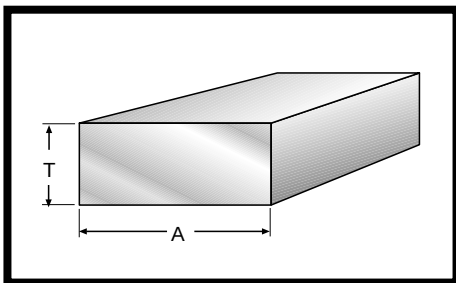
ACROSS FLATS	LBS PER FOOT	ACROSS FLATS	LBS PER FOOT
.125	.0576	1.125	4.6626
.140625	.0729	1.1875	5.1950
.15625	.0899	1.25	5.7563
.1875	.1295	1.3125	6.3463
.21875	.1763	1.375	6.9651
.25	.2303	1.4375	7.6126
.28125	.2914	1.5	8.2890
.3125	.3598	1.5625	8.9941
.328125	.3966	1.625	9.7281
.34375	.4353	1.6875	10.4908
.375	.5181	1.75	11.2823
.390625	.5621	1.8125	12.1025
.40625	.6080	1.875	12.9516
.421875	.6557	1.9375	13.8294
.4375	.7051	2	14.7360
.453125	.7564	2.125	16.6356
.46875	.8095	2.1875	17.6285
.5	.9210	2.25	18.6503
.53125	1.0395	2.375	20.7801
.5625	1.656	2.5	23.0250
.625	1.4391	2.625	25.3851
.640625	1.5118	2.75	27.8603
.6875	1.7413	2.875	30.4506
.75	2.0723	3	33.1560
.8125	2.4320	3.125	35.9766
.875	2.8206	3.25	38.9123
.9375	3.2379	3.375	41.9631
1	3.6840	3.5	45.1290
1.0625	4.1589		

BRASS

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Free Cutting Brass Standard Lengths of 12 Foot

BRASS

Alloy C-360 to
ASTM B-16/B-249

FLAT BAR

THICKNESS X WIDTH IN INCHES	LBS PER FOOT	THICKNESS X WIDTH IN INCHES	LBS PER FOOT
.125 x .5	.230	.5 x .625	1.15
.125 x .75	.345	.5 x .75	1.38
.125 x .875	.403	.5 x 1	1.84
.125 x 1	.461	.5 x 1.25	2.30
.125 x 1.25	.576	.5 x 1.5	2.76
.125 x 1.5	.691	.5 x 1.75	3.22
.125 x 2	.921	.5 x 2	3.68
.125 x 2.5	1.15	.5 x 2.5	4.61
.125 x 3	1.38	.5 x 3	5.53
.125 x 4	1.84	.5 x 3.5	6.45
.1875 x .5	.345	.5 x 4	7.37
.1875 x .6875	.475	.5 x 5	9.21
.1875 x .75	.518	.625 x .75	1.73
.1875 x .8125	.561	.625 x 1	2.30
.1875 x 1	.691	.625 x 1.25	2.88
.1875 x 1.25	.863	.625 x 1.5	3.45
.1875 x 1.5	1.04	.625 x 1.75	4.03
.1875 x 2	1.38	.625 x 2	4.61
.1875 x 3	2.07	.625 x 2.75	6.33
.21875 x .28125	.227	.75 x 1	2.76
.25 x .375	.345	.75 x 1.25	3.45
.25 x .5	.461	.75 x 1.5	4.14
.25 x .625	.576	.75 x 1.75	4.84
.25 x .75	.691	.75 x 2	5.53
.25 x .875	.806	.75 x 2.5	6.91
.25 x 1	.921	.75 x 3	8.29
.25 x 1.125	1.04	.75 x 4	11.1
.25 x 1.25	1.15	.875 x 1	3.22
.25 x 1.375	1.27	.875 x 1.5	4.84
.25 x 1.5	1.38	.875 x 2	6.45
.25 x 1.75	1.61	1 x 1.125	4.14
.25 x 2	1.84	1 x 1.25	4.61
.25 x 2.25	2.07	1 x 1.5	5.53
.25 x 2.5	2.30	1 x 1.75	6.45
.25 x 3	2.76	1 x 2	7.37
.25 x 3.5	3.22	1 x 2.5	9.21
.25 x 4	3.68	1 x 3	11.1
.25 x 5	4.61	1 x 4	14.7
.3125 x .5	.576	1 x 5	18.4
.375 x .5	.691	1.125 x 1.625	6.73
.375 x .75	1.04	1.25 x 12.5	6.91
.375 x 1	1.38	1.25 x 2	9.21
.375 x 1.25	1.73	1.25 x 2.5	11.5
.375 x 1.5	2.07	1.5 x 2	11.1
.375 x 2	2.76	1.5 x 3	16.6
.375 x 2.5	3.45	2 x 4	29.42
.375 x 3	4.14		
.375 x 3.5	4.84		
.375 x 4	5.53		

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Please fax us a drawing of your custom shape,
or email your **.dwg**, **.dxf** or **.pdf** file to **salesdesk@aluminumshapesinc.com**



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800-834-5505



▶ **ALUMINUM**

▶ **BRASS**

▶ **STAINLESS STEEL**

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