

TOLERANCES ALUMINUM ROD & BAR

Diameter Inches	Tolerance Inches	Specified Thickness, or Width, In.	Thickness Tolerance Inches	Width Tolerance Inches
COLD FINISHED ROD		COLD FINISHED FLAT		
0.125 - 0.500	±0.0015	.065 - .500	±.002	±.002
0.501 - 1.000	±0.0020	.501 - 1.00	±.0025	±.0025
1.001 - 1.500	±0.0025	1.001 - 1.500	±.003	±.003
1.501 - 2.000	±0.0040	1.501 - 2.000	±.005	±.005
2.001 - 3.000	±0.0060	2.001 - 3.000	±.008	±.008
3.001 - 3.499	±0.0080	3.001 - 4.000	±.010	±.010
3.500 - 5.000	±0.0120	4.001 - 6.000	±.015	±.020
5.001 - 8.250	±0.016			
EXTRUDED ROD/6061		EXT. SQUARES/ FLATS	THICKNESS/WIDTH TOLERANCES	
Under .125	±.006	Specified Thickness, or Width, In.	Widths Thru 9.99	Widths 10.00 - 13.99
.125 - .249	±.007	Under .125	±.006	±.014
.250 - .499	±.008	.125 - .249	±.007	±.015
.500 - .749	±.009	.250 - .499	±.008	±.016
.750 - .999	±.010	.500 - .749	±.009	±.017
1.000 - 1.499	±.012	.750 - .999	±.010	±.018
1.500 - 1.999	±.014	1.0 - 1.49	±.012	±.019
2.000 - 3.999	±.024	1.5 - 1.99	±.014	±.024
4.000 - 5.999	±.034	2.0 - 3.99	±.024	±.034
6.000 - 7.999	±.044	4.0 - 5.99	±.034	±.044
8.000 - 9.999	±.064	6.0 - 7.99	±.044	±.054
10.000 - 11.999	±.074	8.0 - 9.99	±.054	±.064
12.000 - 13.999	±.084	10.0 - 11.99	—	±.074
		12.0 - 13.99	—	±.084