TOLERANCES

ALUMINUM ROD & BAR

Diameter Inches	Tolerance Inches
COLD FINISHED ROD	
0.125 - 0.500	±0.0015
0.501 - 1.000	±0.0020
1.001 - 1.500	±0.0025
1.501 - 2.000	±0.0040
2.001 - 3.000	±0.0060
3.001 - 3.499	±0.0080
3.500 - 5.000	±0.0120
5.001 - 8.250	±0.016
EXTRUDED ROD/6061	
Under .125	±.006
.125 - .249	±.007
.250 - .499	±.008
.500 - .749	±.009
.750 - .999	±.010
1.000 - 1.499	±.012
1.500 - 1.999	±.014
2.000 - 3.999	±.024
4.000 - 5.999	±.034
6.000 - 7.999	±.044
8.000 - 9.999	±.064
10.000 - 11.999	±.074
12.000 - 13.999	±.084

Specified Thickness, or Width, In.	Thickness Tolerance Inches	Width Tolerance Inches
COLD FINISHED FLAT		
.065 - .500	±.002	±.002
.501 - 1.00	±.0025	±.0025
1.001 - 1.500	±.003	±.003
1.501 - 2.000	±.005	±.005
2.001 - 3.000	±.008	±.008
3.001 - 4.000	±.010	±.010
4.001 - 6.000	±.015	±.020

EXT. SQUARES/ FLATS	THICKNESS/WIDTH TOLERANCES	
Specified Thickness, or Width, In.	**Widths Thru 9.99**	**Widths 10.00 - 13.99**
Under .125	±.006	±.014
.125 - .249	±.007	±.015
.250 - .499	±.008	±.016
.500 - .749	±.009	±.017
.750 - .999	±.010	±.018
1.0 - 1.49	±.012	±.019
1.5 - 1.99	±.014	±.024
2.0 - 3.99	±.024	±.034
4.0 - 5.99	±.034	±.044
6.0 - 7.99	±.044	±.054
8.0 - 9.99	±.054	±.064
10.0 - 11.99	—	±.074
12.0 - 13.99	—	±.084

TOLERANCES

ALUMINUM DRAWN TUBE — ROUND

Diameter Tolerances/Plus & Minus, Inches

Allowable Deviation of Mean Diam. from Size	Allowable Deviation of Diam. from Size at any Point		
	Not Treated	Heat Treated	Annld.
Up thru 0.500 .003	.003	.006	.018
0.501 - 1.000 .004	.004	.008	.018
1.001 - 2.000 .005	.005	.010	.030
2.001 - 3.000 .006	.006	.012	.036
3.001 - 5.000 .008	.008	.016	.048
5.001 - 6.000 .010	.010	.020	.060
6.001 - 8.000 .015	.015	.030	.090
8.001 - 10.000 .020	.020	.040	.012
10.001 - 12.000 .025	.025	.050	.150