

RMA EXTRUDED TOLERANCES



Standard Cross Sectional Tolerances

For outside diameters, inside diameters, wall, width, height and general cross-sectional dimensions of extrusions.

RMA Class	1 High Precision	2 Precision	3 Precision
RMA Drawing Designation	E1	E2	E3
Dimensions (in Millimeters)			
Above - Up To	±	±	±
0 - 1.5	0.15	0.25	0.40
1.5 - 2.5	0.20	0.35	0.50
2.5 - 4.0	0.25	0.40	0.70
4.0 - 6.3	0.35	0.50	0.80
6.3 - 10	0.40	0.70	1.00
10 - 16	0.50	0.80	1.30
16 - 25	0.70	1.00	1.60
25 - 40	0.80	1.30	2.00
40 - 63	1.00	1.60	2.50
63 - 100	1.30	2.00	3.20

RMA Class	1 High Precision	2 Precision	3 Commercial
RMA Drawing Designation	E1	E2	E3
Dimensions (in Inches)			
Above - Up To	±	±	±
0 - .06	0.006	0.010	0.015
.06 - .10	0.008	0.014	0.020
.10 - .16	0.010	0.016	0.027
.16 - .25	0.014	0.020	0.031
.25 - .39	0.016	0.027	0.039
.39 - .63	0.020	0.031	0.051
.63 - .98	0.027	0.039	0.063
.98 - 1.57	0.031	0.051	0.079
1.57 - 2.48	0.039	0.063	0.098
2.48 - 3.94	0.051	0.079	0.126

Note: Tolerances on dimensions above 100mm (3.94) should be agreed upon by supplier and user.
General cross-sectional below 1mm (.04) are impractical.
In general, softer materials and those requiring a post cure need greater tolerances.