

RMA Extruded Tolerance Table
Table 13

RMA Class		1 High Precision	2 Precision	3 Commercial
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	0.40	0.70	1.00
10.0	16.0	0.50	0.80	1.30
16.0	25.0	0.70	1.00	1.60
25.0	40.0	0.80	1.30	2.00
40.0	63.0	1.00	1.60	2.50
63.0	100.0	1.30	2.00	3.20

RMA Class		1 High Precision	2 Precision	3 Commercial
Drawing Designation		E1	E2	E3
Dimensions (in Inches)				
Above	Up to			
0.00	0.06	±0.006	±0.010	±0.015
0.06	0.10	0.008	0.014	0.020
0.10	0.16	0.010	0.016	0.027
0.16	0.25	0.014	0.020	0.031
0.25	0.39	0.016	0.027	0.039
0.39	0.63	0.020	0.031	0.051
0.63	0.98	0.027	0.039	0.063
0.98	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 in.) should be agreed on by supplier and user. General cross sectional dimensions below 1mm (0.04 in.) are impractical.

In general, softer materials and those requiring a post cure need greater tolerances.

RMA Molded Tolerance Table

Table 2 - Standard Dimensional Tolerance Table Molded Rubber Products Drawing Designation "A1" High Precision							
Size (mm)		Fixed	Closure	Size (inches)		Fixed	Closure
Above	Incl			Above	Incl.		
0	10	0.10	0.13	0.00	0.40	0.00	0.01
10	16	0.13	0.16	0.40	0.63	0.01	0.01
16	25	0.16	0.20	0.63	1.00	0.01	0.01
25	40	0.20	0.25	1.00	1.60	0.01	0.01
40	63	0.25	0.32	1.60	2.50	0.01	0.01
63	100	0.32	0.40	2.50	4.00	0.01	0.02
100	160	0.40	0.50	4.00	6.30	0.02	0.02

Table 3 - Standard Dimensional Tolerance Table Molded Rubber Products Drawing Designation "A2" Precision							
Size (mm)		Fixed	Closure	Size (inches)		Fixed	Closure
Above	Incl			Above	Incl.		
0	10	0.160	0.200	0.000	0.400	0.006	0.008
10	16	0.200	0.250	0.400	0.630	0.008	0.010
16	25	0.250	0.320	0.630	1.000	0.010	0.013
25	40	0.320	0.400	1.000	1.600	0.013	0.016
40	63	0.400	0.500	1.600	2.500	0.016	0.020
63	100	0.500	0.630	2.500	4.000	0.020	0.025
100	160	0.630	0.800	4.000	6.300	0.025	0.032
160	& over	0.004	0.005	6.300	& over	0.004	0.005
	multiply by				multiply by		

Table 4 - Standard Dimensional Tolerance Table Molded Rubber Products Drawing Designation "A3" Commercial							
Size (mm)		Fixed	Closure	Size (inches)		Fixed	Closure
Above	Incl			Above	Incl.		
0	10	0.200	0.320	0.000	0.400	0.008	0.013
10	16	0.250	0.400	0.400	0.630	0.010	0.016
16	25	0.320	0.500	0.630	1.000	0.013	0.020
25	40	0.400	0.630	1.000	1.600	0.016	0.025
40	63	0.500	0.800	1.600	2.500	0.020	0.032
63	100	0.630	1.000	2.500	4.000	0.025	0.040
100	160	0.800	1.250	4.000	6.300	0.032	0.050
160	& over	0.005	0.008	6.300	& over	0.005	0.008
	multiply by				multiply by		

Table 5 - Standard Dimensional Tolerance Table Molded Rubber Products Drawing Designation "A4" Basic							
Size (mm)		Fixed	Closure	Size (inches)		Fixed	Closure
Above	Incl			Above	Incl.		
0	10	0.320	0.800	0.000	0.400	0.013	0.032
10	16	0.400	0.900	0.400	0.630	0.016	0.036
16	25	0.500	1.000	0.630	1.000	0.020	0.040
25	40	0.630	1.120	1.000	1.600	0.025	0.045
40	63	0.800	1.250	1.600	2.500	0.032	0.050
63	100	1.000	1.400	2.500	4.000	0.040	0.056
100	160	1.250	1.600	4.000	6.300	0.050	0.063
160	& over	0.008	0.010	6.300	& over	0.008	0.010
	multiply by				multiply by		