

## Extruded Rubber Tolerance Options

### Cross-Section Tolerance Options for Extruded Rubber

For outside diameters, inside diameters, wall, width, Height, and general cross-sectional dimensions of extrusions.  
 Tolerance levels typically impact cost due to increased processing and higher reject rates.

#### Millimeters

Cross Section	COMMERCIAL GRADE EXTRUSION CS TOLERANCES RMA-E3 (STANDARD)	PRECISION GRADE EXTRUSION CS TOLERANCES RMA-E2	HIGH PRECISION GRADE EXTRUSION CS TOLERANCES RMA-E1
0.00 to 1.49	+/- 0.40	+/- 0.25	+/- 0.15
1.50 to 2.49	+/- 0.50	+/- 0.35	+/- 0.20
2.50 to 3.99	+/- 0.70	+/- 0.40	+/- 0.25
4.00 to 6.29	+/- 0.80	+/- 0.50	+/- 0.35
6.30 to 9.99	+/- 1.00	+/- 0.70	+/- 0.40
10.00 to 15.99	+/- 1.30	+/- 0.80	+/- 0.50
16.00 to 24.99	+/- 1.60	+/- 1.00	+/- 0.70
25.00 to 39.99	+/- 2.00	+/- 1.30	+/- 0.80
40.00 to 62.99	+/- 2.50	+/- 1.60	+/- 1.00
63.00 to 100	+/- 3.20	+/- 2.00	+/- 1.30

#### Inches

CROSS SECTION	COMMERCIAL GRADE EXTRUSION CS TOLERANCES RMA-E3 (STANDARD)	PRECISION GRADE EXTRUSION CS TOLERANCES RMA-E2	HIGH PRECISION GRADE EXTRUSION CS TOLERANCES RMA-E1
0.000 to 0.059	+/- 0.015	+/- 0.010	+/- 0.006
0.060 to 0.099	+/- 0.020	+/- 0.014	+/- 0.008
0.100 to 0.159	+/- 0.027	+/- 0.016	+/- 0.010
0.160 to 0.249	+/- 0.031	+/- 0.020	+/- 0.014
0.250 to 0.389	+/- 0.039	+/- 0.027	+/- 0.016
0.390 to 0.629	+/- 0.051	+/- 0.031	+/- 0.020
0.630 to 0.979	+/- 0.063	+/- 0.039	+/- 0.027
0.980 to 1.569	+/- 0.079	+/- 0.051	+/- 0.031
1.570 to 2.479	+/- 0.098	+/- 0.063	+/- 0.039
2.480 to 3.940	+/- 0.126	+/- 0.079	+/- 0.051

### Cut Length (Un-Spliced) Tolerance Options for Extruded Rubber

#### Millimeters

Cut Length	COMMERCIAL GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E3 (Standard)	PRECISION GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E2	HIGH PRECISION GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E1
0 to 39	+/- 1.6	+/- 1.0	+/- 0.7
40 to 62	+/- 2.0	+/- 1.3	+/- 0.8
63.0 to 99	+/- 2.5	+/- 1.6	+/- 1.0
100 to 159	+/- 3.2	+/- 2.0	+/- 1.3
160 to 249	+/- 4.0	+/- 2.5	+/- 1.6
250 to 399	+/- 5.0	+/- 3.2	+/- 2.0
400 to 629	+/- 6.3	+/- 4.0	+/- 2.5
630 to 999	+/- 10.0	+/- 5.0	+/- 3.2
1000 to 1599	+/- 12.5	+/- 6.3	+/- 4.0
1600 to 2499	+/- 16.0	+/- 10.0	+/- 5.0
2500 to 3999	+/- 20.0	+/- 12.5	+/- 6.3
4000+	+/- 0.16%	+/- 0.32%	+/- 0.50%

#### Inches

CUT LENGTH	COMMERCIAL GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E3 (STANDARD)	PRECISION GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E2	HIGH PRECISION GRADE EXTRUSION CUT LENGTH TOLERANCES RMA-E1
0.00 to 1.56	+/- 0.06	+/- 0.04	+/- 0.03
1.57 to 2.47	+/- 0.08	+/- 0.05	+/- 0.03
2.48 to 3.93	+/- 0.10	+/- 0.06	+/- 0.04
3.94 to 6.29	+/- 0.13	+/- 0.08	+/- 0.05
6.30 to 9.83	+/- 0.16	+/- 0.10	+/- 0.06
9.84 to 15.74	+/- 0.20	+/- 0.13	+/- 0.08
15.75 to 24.79	+/- 0.25	+/- 0.16	+/- 0.10
24.75 to 39.36	+/- 0.39	+/- 0.20	+/- 0.13
39.37 to 62.98	+/- 0.49	+/- 0.25	+/- 0.16
62.99 to 98.42	+/- 0.63	+/- 0.39	+/- 0.20
98.43 to 157.47	+/- 0.79	+/- 0.49	+/- 0.25
157.48+	+/- 0.16%	+/- 0.32%	+/- 0.50%