

EXTRUSION CROSS-SECTIONAL TOLERANCE (RMA Table 13)

| RMA CLASS | | High Precision | Precision | Commercial |
|------------------------------------|-------------|-----------------------|------------------|-------------------|
| DRAWING DESIGNATION | | E1 | E2 | E3 |
| DIMENSIONS (in Millimeters) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 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 |
| DIMENSIONS (in Inches) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 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 |

CUT LENGTH TOLERANCE FOR UN-SPLICED EXTRUSION (RMA Table 16)

| RMA CLASS | | High Precision | Precision | Commercial |
|--------------------------------|-------------|-----------------------|------------------|-------------------|
| DRAWING DESIGNATION | | L1 | L2 | L3 |
| LENGTH (in Millimeters) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 40 | 0.7 | 1.0 | 1.6 |
| 40 | 63 | 0.8 | 1.3 | 2.0 |
| 63 | 100 | 1.0 | 1.6 | 2.5 |
| 100 | 160 | 1.3 | 2.0 | 3.2 |
| 160 | 250 | 1.6 | 2.5 | 4.0 |
| 250 | 400 | 2.0 | 3.2 | 5.0 |
| 400 | 630 | 2.5 | 4.0 | 6.3 |
| 630 | 1000 | 3.2 | 5.0 | 10.0 |
| 1000 | 1600 | 4.0 | 6.3 | 12.5 |
| 1600 | 2500 | 5.0 | 10.0 | 16.0 |
| 2500 | 4000 | 6.3 | 12.5 | 20.0 |
| 4000 | | 0.16% | 0.32% | 0.50% |
| LENGTH (in Inches) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 1.6 | 0.03 | 0.04 | 0.06 |
| 1.6 | 2.5 | 0.03 | 0.05 | 0.08 |
| 2.5 | 4.0 | 0.04 | 0.06 | 0.10 |
| 4.0 | 6.3 | 0.05 | 0.08 | 0.13 |
| 6.3 | 10.0 | 0.06 | 0.10 | 0.16 |
| 10.0 | 16.0 | 0.8 | 0.13 | 0.20 |
| 16.0 | 25.0 | 0.10 | 0.16 | 0.25 |
| 25.0 | 40.0 | 0.13 | 0.20 | 0.40 |
| 40.0 | 63.0 | 0.16 | 0.25 | 0.50 |
| 63.0 | 100.0 | 0.20 | 0.40 | 0.63 |
| 100.0 | 160.0 | 0.25 | 0.50 | 0.80 |
| 160.0 | | 0.16% | 0.32% | 0.50% |

SPliced LENGTH TOLERANCES (RMA Table 18)

| RMA CLASS | | High Precision | Precision | Commercial |
|--------------------------------|-------------|----------------|-----------|------------|
| DRAWING DESIGNATION | | S1 | S2 | S3 |
| LENGTH (in Millimeters) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 250 | 3.2 | 6.3 | 7.1 |
| 250 | 400 | 4.0 | 7.1 | 8.0 |
| 400 | 630 | 5.0 | 8.0 | 9.0 |
| 630 | 1000 | 6.3 | 9.0 | 10.0 |
| 1000 | 1600 | 8.0 | 10.0 | 11.2 |
| 1600 | 2500 | 10.0 | 11.2 | 12.3 |
| 2500 | over | 12.5 | 12.5 | 16.0 |
| LENGTH (in Inches) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 10 | 0.13 | 0.25 | 0.28 |
| 10 | 16 | 0.16 | 0.28 | 0.32 |
| 16 | 25 | 0.20 | 0.32 | 0.36 |
| 25 | 40 | 0.25 | 0.36 | 0.40 |
| 40 | 63 | 0.32 | 0.40 | 0.45 |
| 63 | 100 | 0.40 | 0.45 | 0.50 |
| 100 | over | 0.50 | 0.50 | 0.53 |

TOLERANCES ON INTERNAL DIMENSIONS OF MANDREL-SUPPORTED EXTRUSIONS

| RMA CLASS | | Precision | Commercial | Non-Critical |
|------------------------------------|-------------|------------------|-------------------|---------------------|
| DRAWING DESIGNATION | | EN1 | EN2 | EN3 |
| DIMENSIONS (in Millimeters) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 4 | 0.20 | 0.20 | 0.35 |
| 4 | 6.3 | 0.20 | 0.25 | 0.40 |
| 6.3 | 10 | 0.25 | 0.35 | 0.50 |
| 10 | 16 | 0.35 | 0.40 | 0.70 |
| 16 | 25 | 0.40 | 0.50 | 0.80 |
| 25 | 40 | 0.50 | 0.70 | 1.00 |
| 40 | 63 | 0.70 | 0.80 | 1.30 |
| 63 | 100 | 0.80 | 1.00 | 1.60 |
| 100 | 160 | 1.00 | 1.30 | 2.00 |
| 160 | | 0.6% | 0.8% | 1.2% |
| DIMENSIONS (in Inches) | | ± | ± | ± |
| ABOVE | UPTO | | | |
| 0 | 0.16 | 0.008 | 0.08 | 0.014 |
| 0.16 | 0.25 | 0.008 | 0.010 | 0.016 |
| 0.25 | 0.40 | 0.010 | 0.014 | 0.020 |
| 0.40 | 0.63 | 0.014 | 0.016 | 0.028 |
| 0.63 | 1.00 | 0.016 | 0.020 | 0.032 |
| 1.00 | 1.60 | 0.020 | 0.028 | 0.040 |
| 1.60 | 2.50 | 0.028 | 0.032 | 0.051 |
| 2.50 | 4.00 | 0.032 | 0.040 | 0.063 |
| 4.00 | 6.30 | 1.040 | 0.051 | 0.079 |
| 6.30 | | 0.6% | 0.8% | 1.2% |

MOULDED RUBBER PRODUCTS RMA TOLERANCES (RMA TABLE 3)

| RMA CLASS | | Fixed Precision | Closed Precision | Fixed Commercial | Closed Commercial |
|------------------------------------|-------------|------------------------|-------------------------|-------------------------|--------------------------|
| DRAWING DESIGNATION | | A2 | A2 | A3 | A3 |
| DIMENSIONS (in Millimeters) | | ± | ± | ± | ± |
| ABOVE | UPTO | | | | |
| 0 | 10 | 0.16 | 0.20 | 0.20 | 0.32 |
| 10 | 16 | 0.20 | 0.25 | 0.25 | 0.40 |
| 16 | 25 | 0.25 | 0.32 | 0.32 | 0.50 |
| 25 | 40 | 0.32 | 0.40 | 0.40 | 0.63 |
| 40 | 63 | 0.40 | 0.50 | 0.50 | 0.80 |
| 63 | 100 | 0.50 | 0.63 | 0.63 | 1.00 |
| 100 | 160 | 0.63 | 0.80 | 0.80 | 1.25 |
| 160 | & over | 0.4% | 0.5% | 0.5% | 0.8% |
| DIMENSIONS (in Inches) | | ± | ± | ± | ± |
| ABOVE | UPTO | | | | |
| 0 | 0.40 | 0.006 | 0.008 | 0.008 | 0.013 |
| 0.40 | 0.63 | 0.008 | 0.010 | 0.010 | 0.016 |
| 0.63 | 1.00 | 0.010 | 0.013 | 0.013 | 0.020 |
| 1.00 | 1.60 | 0.013 | 0.016 | 0.016 | 0.025 |
| 1.60 | 2.50 | 0.016 | 0.020 | 0.020 | 0.032 |
| 2.50 | 4.00 | 0.020 | 0.025 | 0.025 | 0.040 |
| 4.00 | 6.30 | 0.025 | 0.032 | 0.032 | 0.050 |
| 6.30 | & over | 0.4% | 0.5% | 0.5% | 0.8% |