



**Table 13**

## STANDARD CROSS-SECTIONAL TOLERANCES

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

| RMA Class                   | 1<br>High Precision | 2<br>Precision | 3<br>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<br>High Precision | 2<br>Precision | 3<br>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 dimensions below 1mm (0.04) are impractical.

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