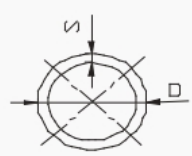
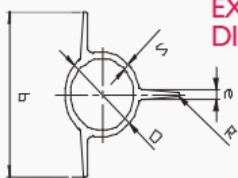
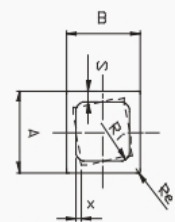


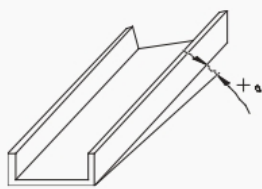
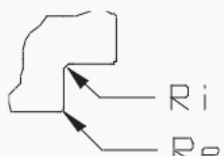
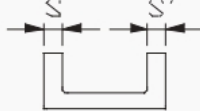

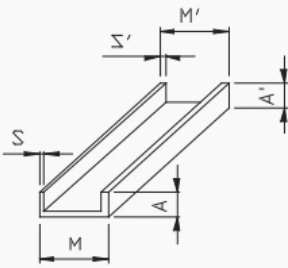
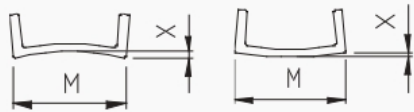
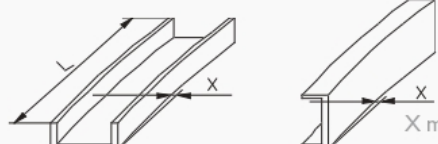
STANDARD PROFILE TOLERANCES

HOT EXTRUDED AND STRAIGHTENED - *HOLLOW SECTION*

<p>A</p>  <p>EXTERNAL DIAMETER D</p> <p>Up to 50 mm: ± 0.5 mm Over 50 mm: $\pm 1\%$ Thickness S: $\pm 10\%$ of the nominal thickness</p>	<p>B</p> <p>EXTERNAL DIAMETER D</p>  <p>Up to 50 mm: ± 0.5 mm Over 50 mm: $\pm 1\%$ Thickness S: $\pm 15\%$ Thickness of fin e: ± 0.5 mm Width of fin b: ± 2 mm (or less on agreement)</p>	<p>C</p> <p>DISPLACEMENT OF INTERNAL FORM X: ± 1 mm</p>  <p>The tolerances of other hollow profile shapes must be agreed after study. For all other tolerances see table for solid section profiles.</p>
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STANDARD PROFILE TOLERANCES

HOT EXTRUDED AND STRAIGHTENED - *SOLID SECTION*

<p>A</p> <p>DIMENSIONAL TOLERANCES OF THE TRANSVERSE SECTION:</p> <table> <tr> <td>Less than 25 mm</td> <td>± 0.5 mm</td> </tr> <tr> <td>from 25 to 75 mm</td> <td>± 0.8 mm</td> </tr> <tr> <td>from 75 to 100 mm</td> <td>± 1.0 mm</td> </tr> <tr> <td>from 100 to 125 mm</td> <td>± 1.2 mm</td> </tr> <tr> <td>over 125 mm</td> <td>± 1.4 mm</td> </tr> </table>	Less than 25 mm	± 0.5 mm	from 25 to 75 mm	± 0.8 mm	from 75 to 100 mm	± 1.0 mm	from 100 to 125 mm	± 1.2 mm	over 125 mm	± 1.4 mm	<p>F</p> <p>WARP:</p> <p>Max. deviation of 1 mm per metre, or less (on agreement) according to requirements.</p> 
Less than 25 mm	± 0.5 mm										
from 25 to 75 mm	± 0.8 mm										
from 75 to 100 mm	± 1.0 mm										
from 100 to 125 mm	± 1.2 mm										
over 125 mm	± 1.4 mm										
<p>B</p> <p>MINIMUM RADII:</p>  <p>Ri = internal radius: minimum $4\frac{1}{2}$ mm Re = external radius: minimum 1.5 ± 0.5 mm</p>	<p>G</p> <p>DIMENSIONAL DIFFERENCES BETWEEN SYMMETRICAL PARTS:</p>  <p>Max difference between S and S' half tolerance of point A e.g. S = S' = 28 ± 0.8 mm max difference 0.8 mm (hypothesis S = 27.6 S' = 28.4)</p>										
<p>C</p> <p>ANGULAR TOLERANCES:</p>  <p>Type 1 case $\pm 1^\circ 30'$ Type 2 case $\pm 0^\circ 30'$</p>	<p>H</p> <p>DIMENSIONAL DIFFERENCES BETWEEN SYMMETRICAL PARTS:</p>  <p>Max variation: half tolerance at point A e.g.: nominal values M = M' = 80 ± 1 mm A = A' = 40 ± 0.8 mm S = S' = 15 ± 0.5 mm Example: M = 79.5 M' = 80.5 A = 39.4 A' = 40.2 S = 14.75 S' = 15.75</p>										
<p>D</p> <p>TRANSVERSE CURVATURE:</p>  <p>X max = 1% of M (or less on agreement)</p>											
<p>E</p> <p>LONGITUDINAL CURVATURE:</p>  <p>X max. = 0,15% of L</p>	<p>I</p> <p>LONGITUDINAL BAR TOLERANCES:</p> <p>a) from production ± 1 metre b) fixed: ± 2 mm; from 0+10mm (or on request) c) multiple: + 5 mm each multiple (or on request) d) commercial: from 3 metres to 7 metres</p>										