Mechanical Power Clamping Nut I Series MCA-S/MCA-T

- simple & manual operation with handle
- fast infeed motion due to automatic changeover

![Diagram of clamping nuts](image)

**clamping nut MCA-S with star handle**

**clamping nut MCA-T with T-handle**

**Technical data and dimensions [mm]:**

<table>
<thead>
<tr>
<th>Series</th>
<th>nominal clamping force [kN]</th>
<th>thread</th>
<th>max static load [kN]</th>
<th>screw in depth</th>
<th>weight approx. [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCA-S</td>
<td></td>
<td>M 10</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>M 12</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCA-T</td>
<td>40</td>
<td>M 16</td>
<td>120</td>
<td>16</td>
<td>1,0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M 20</td>
<td>120</td>
<td></td>
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</tr>
</tbody>
</table>

max. allowed temperature range: -30°C up to +90°C

**Note:**

Property class of threaded bolt should be at least Q 10.9. Sizes of thread larger than M 16 should use a property class of Q 12.9, or the max. static load must be reduced. For optical control of actual screw-in depth of the T-bolt, two grooves are cut into the housing circumference matching $t_{\text{min}}$ and $t_{\text{max}}$. When laying out the actual screw-in depth of the thread-ed bolt, the necessary stroke must be considered i.e. the max. specified screw-in depth must be reduced by at least the amount of the stroke.

**Application example:**

MCA-T-clamping nut for adjustment of test bench sliding table

**Ordering example:** MCA-S - M 16 / MCA-T - M 20

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update version