Mechanical Power Clamping Nut I Series MDA

- with through hole thread
- for variable clamping edges
- unlimited clamping stroke

**Properties:**
- Nominal clamping force: up to M 24 min. Q 10.9; from M 30 Q 8.8
- Standard thread tolerance: "6G"
- Optional on request with hexagon socket SW8 or Torx TX50 (w=5mm)

**Material:**
- Heat treated steel - nitro carburized

**Application example:** Clamping nut MDA for clamping chain wheels during milling.

**Ordering example:**
- Clamping nut incl. T-bolt
- MDA 120 - M 24
- MDA 180 - M 30 - 100 - 36

**Table:**

<table>
<thead>
<tr>
<th>MDA</th>
<th>nominal clamping force [kN]</th>
<th>thread size (T-bolt screw thread according to DIN 787)</th>
<th>nominal actuation torque [Nm]</th>
<th>max. static load [kN]</th>
<th>T-bolt weight approx. [kg]</th>
<th>Øa</th>
<th>Ød1</th>
<th>Ød2</th>
<th>e</th>
<th>L</th>
<th>t</th>
<th>SW**</th>
<th>w</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td></td>
<td>M 12 30 70 14 1,6</td>
<td>M 16 35 120 18 1,6</td>
<td>M 20 40 120 22 1,6</td>
<td></td>
<td>74</td>
<td>40</td>
<td>72</td>
<td>21,5</td>
<td>58</td>
<td>23</td>
<td>14</td>
<td>11</td>
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<tr>
<td></td>
<td></td>
<td>M 16 65 130 18 2,6</td>
<td>M 20 70 200 22 2,6</td>
<td>M 24 75 240 28 2,5</td>
<td></td>
<td>84</td>
<td>50</td>
<td>82</td>
<td>26,5</td>
<td>73,5</td>
<td>32</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>120</td>
<td></td>
<td>M 24 90 300 28 4,0</td>
<td>M 24 75 240 28 2,5</td>
<td>M 30 80 240 36 2,4</td>
<td></td>
<td>105</td>
<td>64</td>
<td>103</td>
<td>35</td>
<td>78</td>
<td>37</td>
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<td></td>
<td></td>
<td>M 20 65 130 18 2,6</td>
<td>M 30 100 300 36 3,9</td>
<td>M 36 110 400 42 3,8</td>
<td></td>
<td>105</td>
<td>64</td>
<td>103</td>
<td>35</td>
<td>78</td>
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<td></td>
<td></td>
<td>M 30 100 300 36 3,9</td>
<td>M 36 110 400 42 3,8</td>
<td>M 42 115 450 48 3,7</td>
<td></td>
<td>105</td>
<td>64</td>
<td>103</td>
<td>35</td>
<td>78</td>
<td>37</td>
<td>14</td>
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<tr>
<td></td>
<td></td>
<td>M 42 115 450 48 3,7</td>
<td>M 48 125 450 54 3,7</td>
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<td></td>
<td>105</td>
<td>64</td>
<td>103</td>
<td>35</td>
<td>78</td>
<td>37</td>
<td>14</td>
<td>11</td>
</tr>
</tbody>
</table>

*property class of threaded bolt up to M 24 min. Q 10.9; from M 30 Q 8.8 (further thread sizes i.e. inches on request)
standard thread tolerance "6G"
**optional on request with hexagon socket SW8 or Torx TX50 (w=5mm)

**Note:**
- For optical control of minimum screw-in depth “t min” of the T-bolt, a groove has been provided on the housing circumference matching tmin.
- Supply including t-bolt on request (see ordering example).
- The clamping forces mentioned in the data sheet can be influenced substantially by various operational parameters, such as thread length, surface quality of thread or thread lubrication.
- Maximum temperature range: -30°C to +200°C (optional up to +400°C).