Clamping Force: Up to 60 kN

- Chain/Chain Lock: Tempered Steel
- Clamping Shoe: Hardened alloy Steel
- Clamping Arm: Drop forged alloy Steel
- High Performance Roller-Chain

- Great clamping force through little torque
- Easily installation and easy adjustment through stepless adjustable MQ-Clamps
- Increased angle setting adjustability of 120°-180°
- Chain links do not have to be taken out when clamping different sized parts
- Parts can be clamped parallel or at an angle to the T-Slot
- Great for repetitive work because chain does not have to be dismounted (stays on fixing elements)
- Can be easily fit to different sized machine tables, T-Slots or Tapped Holes
- Uniform clamping force distribution reduces workpiece distortion

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<table>
<thead>
<tr>
<th>Bolt Size</th>
<th>Part Number</th>
<th>Chain Pitch (P)</th>
<th>Chain Lock</th>
<th>Chain Holder with Hand</th>
<th>Hand Wheel</th>
<th>Riser Nut</th>
<th>Allen Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to</td>
<td>199-019-0000-13</td>
<td>19.0</td>
<td>11.7</td>
<td>22.7</td>
<td>135</td>
<td>52</td>
<td>25</td>
</tr>
<tr>
<td>12mm</td>
<td>199-019-0000-17</td>
<td>19.0</td>
<td>11.7</td>
<td>22.7</td>
<td>155</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>or 5/8&quot;</td>
<td>199-025-0000-21</td>
<td>25.4</td>
<td>17.0</td>
<td>36.0</td>
<td>175</td>
<td>75</td>
<td>50</td>
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<tr>
<td>Up to</td>
<td>199-031-0000-26</td>
<td>31.7</td>
<td>19.6</td>
<td>43.0</td>
<td>205</td>
<td>88</td>
<td>60</td>
</tr>
</tbody>
</table>
with adjustable chain holder

Clamping Force: Up to 60 kN

199... Can be used parallel and at any angle to the T-Slot

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| Bolt Size (d) | Part Number | $ | Chain Pitch (P) | b | B1 | L | B | F1 | Part No. | $/m | Part No. | $ | Part Number | $ | Part Number | $ | Part No. | $ | Part No. | $ | Part No. | $ |
|---------------|-------------|---|----------------|---|----|---|---|----|----------|-----|----------|---|------------|---|------------|---|----------|---|----------|---|
| Up to 12mm or 1/2" | 199-019-0000-2-13 | 947.80 | 19.0 | 11.7 | 22.7 | 135 | 52 | 25 | 199-019 | 91.50 | 199-019-13-2 | 14.25 | 199-100-067-13 | 312.00 | 100-2-135-13 | 165.00 | 199-019-2-12 | 502.50 | 199-019-040 | 3.75 | 509-1224 | 13.50 | 610-08 | 8.40 |
| Up to 16mm or 5/8" | 199-019-0000-2-17 | 1037.80 | 19.0 | 11.7 | 22.7 | 155 | 60 | 30 | 199-019 | 91.50 | 199-019-13-2 | 14.25 | 199-100-078-17 | 352.50 | 100-2-155-17 | 194.25 | 199-019-2-16 | 520.50 | 199-019-040 | 3.75 | 509-1628 | 17.25 | 610-10 | 10.50 |
| Up to 20mm or 3/4" | 199-025-0000-2-21 | 1356.60 | 25.4 | 17.0 | 36.0 | 175 | 75 | 50 | 199-025 | 159.00 | 199-025-21-2 | 22.80 | 199-100-088-21 | 471.00 | 100-2-175-21 | 253.50 | 199-025-2-20 | 652.50 | 199-025-050 | 5.25 | 509-2034 | 39.00 | 610-12 | 13.50 |
| Up to 24mm or 1" | 199-031-0000-2-26 | 1695.40 | 31.7 | 19.6 | 43.0 | 205 | 88 | 60 | 199-031 | 234.00 | 199-031-25-2 | 39.45 | 199-100-102-26 | 612.00 | 100-2-205-26 | 320.00 | 199-031-2-24 | 783.00 | 199-031-062 | 7.50 | 509-2442 | 48.45 | 610-12 | 13.50 |