**One Point**

Clamping by spring pressure / Unclamping by air pressure

---

**QSCA QUICK SHAFT-LOCKING CLAMPS (Pneumatic)**

- Clamping by spring pressure / Unclamping by air pressure

**Body / Cover Plate**
- A5052 aluminum alloy
- Sand blasting finish
- Anodized
- N: Natural, B: Black

**O-Ring**
- Nitrile rubber

---

### Dimensions

- **Part Number**
- **d**
- **H**
- **L**
- **W**
- **H**
- **d**
- **P**
- **W**
- **H**

<table>
<thead>
<tr>
<th>Part Number</th>
<th><strong>d</strong></th>
<th><strong>H</strong></th>
<th><strong>L</strong></th>
<th><strong>W</strong></th>
<th><strong>H</strong></th>
<th><strong>d</strong></th>
<th><strong>P</strong></th>
<th><strong>W</strong></th>
<th><strong>H</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>QSCA10-N</td>
<td>10</td>
<td>12</td>
<td>45</td>
<td>35</td>
<td>62</td>
<td>M4</td>
<td>30</td>
<td>8</td>
<td>28</td>
</tr>
<tr>
<td>QSCA12-N</td>
<td>12</td>
<td>19</td>
<td>58</td>
<td>40</td>
<td>80</td>
<td>M5</td>
<td>35</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>QSCA14-N</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QSCA15-N</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QSCA16-N</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QSCA20-N</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Specifications

- **Part Number**
  - **Natural**
  - **Black**
  - **Holding Torque (N·m)**
  - **Sliding Load (N)**
  - **Weight (g)**
  - **Shaft Dia. (h6-h9)**

<table>
<thead>
<tr>
<th>Part Number</th>
<th><strong>Natural</strong></th>
<th><strong>Black</strong></th>
<th><strong>Holding Torque (N·m)</strong></th>
<th><strong>Sliding Load (N)</strong></th>
<th><strong>Weight (g)</strong></th>
<th><strong>Shaft Dia. (h6-h9)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>QSCA10-N</td>
<td>QSCA10-N</td>
<td>QSCA10-B</td>
<td>1</td>
<td>150</td>
<td>230</td>
<td>φ10</td>
</tr>
<tr>
<td>QSCA12-N</td>
<td>QSCA12-N</td>
<td>QSCA12-B</td>
<td>1.2</td>
<td>225</td>
<td>450</td>
<td>φ12</td>
</tr>
<tr>
<td>QSCA14-N</td>
<td>QSCA14-N</td>
<td>QSCA14-B</td>
<td>1.4</td>
<td>200</td>
<td>440</td>
<td>φ14</td>
</tr>
<tr>
<td>QSCA15-N</td>
<td>QSCA15-N</td>
<td>QSCA15-B</td>
<td>2.2</td>
<td>225</td>
<td>450</td>
<td>φ15</td>
</tr>
<tr>
<td>QSCA16-N</td>
<td>QSCA16-N</td>
<td>QSCA16-B</td>
<td>2.4</td>
<td>200</td>
<td>440</td>
<td>φ16</td>
</tr>
<tr>
<td>QSCA20-N</td>
<td>QSCA20-N</td>
<td>QSCA20-B</td>
<td>2.6</td>
<td>150</td>
<td>230</td>
<td>φ20</td>
</tr>
</tbody>
</table>
### Feature

- Air pressure to be applied: 0.5 - 0.7 MPa
  Recommended to use with a three-way valve.
- The mechanism of spring-pressure clamping and air-pressure unclamping prevents shaft-locking force from getting lowered.
- Connecting air plumbing to multiple Quick Shaft-Locking Clamps installed allows doing clamping/unclamping in one operation.

### How To Use

**How to Install**

Slide the clamp over the shaft at the unclamped mode, and then fix the body using the 2 mounting holes.

Screwing the plug completely into the hole allows locking the shaft.

**How to Operate**

Supplying air allows compressing the spring to get the shaft unlocked.

Releasing the air allows getting the spring to work to lock the shaft.

### How To Install

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Mounting Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Threaded Plug</td>
<td></td>
</tr>
</tbody>
</table>

Simultaneous control of multiple clamps is possible.

### Plumbing Drawing

- Air Supply
- Three-Way Valve
- Air-Pressure Regulator Unit
- Quick Shaft-Locking Clamps (Pneumatic)