QCSL SLIDING LOCKS FOR SLOTTED HOLE

<table>
<thead>
<tr>
<th>Type</th>
<th>Body</th>
<th>Knob</th>
<th>Shafts / Wedge</th>
<th>Ball Plunger</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCSL-OG</td>
<td>Die-cast zinc</td>
<td>Polyamide (glass-fiber reinforced)</td>
<td>Stainless steel</td>
<td>Polyacetal</td>
</tr>
<tr>
<td>QCSL-BK</td>
<td>Chrome plated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QCSL-S</td>
<td>SCS13 stainless steel (Equivalent to SUS304)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **QCSL-OG** (Plastic Knob, Orange)
- **QCSL-BK** (Plastic Knob, Black)
- **QCSL-S** (Metal Knob)

■ Locking Mechanism

The shafts are locked being pushed into the wedged spaces when sliding load is applied in horizontal direction.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight (g)</th>
<th>Part Number</th>
<th>Weight (g)</th>
<th>Part Number</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCSL1003-OG</td>
<td>80</td>
<td>QCSL1003-BK</td>
<td>80</td>
<td>QCSL1003-S</td>
<td>95</td>
</tr>
<tr>
<td>QCSL1006-OG</td>
<td>80</td>
<td>QCSL1006-BK</td>
<td>80</td>
<td>QCSL1006-S</td>
<td>95</td>
</tr>
</tbody>
</table>

T (°C) = 3 (°C)
How To Use

■ Operating Instructions

The slide is locked when the knob is at “ON” position.

■ Usage Instructions  * Refer to the “Note” for safety use.

1. Slide the steel bar.

2. Attach/remove the steel bar.

3. Slide the Sliding Locks For Slotted Hole.

4. Attach/remove the Sliding Locks For Slotted Hole.

■ Steel Bar Materials

- Usable Materials: Flat bar (JIS h14 grade) made of SS400, S45C or SUS304 etc.

- Machining of slotted hole: Recommended tolerance of the slotted hole to prevent chattering is shown as below. For more accurate sliding, machine the slotted hole to fit the dimension of 10mm(-0.05 to 0) on the bottom of Sliding Locks. Remove the burr around the slotted hole to ensure secure locking.

Thickness Reference : QCSLSP “How To Use”

Continuing on Next Page
The displacement of steel bar by axial load (Static load from single direction)

Note: The above data is for a flat bar made of SUS304 stainless steel, SS400 steel and S45C steel. Using an aluminum flat bar, the surface will be scratched or dent by applied load.

Technical Information
- Heat resistance: Up to 90°C
- Rated load: Up to 500N

Note
The following conditions may cause displacement increasing or misalignment.
1. Use under slippage or chattering caused by vertical or horizontal loads
2. Use with a clearance between the steel bar and the base when the Sliding Locks at "ON" position.
3. Use under excess shock or vibration
**How To Use**

- **How to Use Riser Plate**
  Can be used for various steel thicknesses by attaching the Riser Plates (to be ordered separately).

- **How to Use Scale Plate**
  - You can read the scale with the line on the body of Sliding Lock.
  - **ES1N** Scale Plate is separately available.