**QCTHS**

HEAVY DUTY QUARTER-TURN CLAMPS

**QCTHS0834-20** (Plastic Knob)  
**QCTHS0834-20S** (Metal Knob)

★ Key Point  
Clamping force 400N

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Body</th>
<th>Shank</th>
<th>Pin</th>
<th>Knob</th>
<th>Spring A</th>
<th>Spring B</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCTHS0834-20</td>
<td>SUS303 stainless steel</td>
<td>SKS3 steel Electroless nickel plated Quenched and tempered</td>
<td>SUS440C stainless steel</td>
<td>Polyamide (glass-fiber reinforced) Black</td>
<td>Equivalent to SWOSC-V steel</td>
<td>SUS304 stainless steel</td>
</tr>
<tr>
<td>QCTHS0834-20S</td>
<td>SCS13 stainless steel (Equivalent to SUS304)</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Proper Plate Thickness</th>
<th>Clamping Force (N)</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCTHS0834-20</td>
<td>6~20</td>
<td>400</td>
<td>121</td>
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<tr>
<td>QCTHS0834-20S</td>
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<td>157</td>
</tr>
</tbody>
</table>

**QCTHS-B**

LOCKING RECEPTACLE

**QCTHS0834-B**

Supplied With  
3 of socket-head cap screws(stainless steel), M3×0.5-6L

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCTHS0834-B</td>
<td>19</td>
</tr>
</tbody>
</table>

Supplied With  
3 of low head cap screws(stainless steel), M3×0.5-6L
Feature

Knob
Spring A
Plate
Shank
Receptacle
Cam Groove
Ball

When the cam groove moves along the ball inside the receptacle, the spring A gets compressed to press down the plate.

Technical Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Heatresistant Temperature (℃)</th>
<th>Shear Strength (N)</th>
<th>Tensile Strength (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCTHS0834-20</td>
<td>130</td>
<td>4800</td>
<td>1600</td>
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<tr>
<td>QCTHS0834-20S</td>
<td>200</td>
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<td></td>
</tr>
</tbody>
</table>

How To Use

1. Ensure that the knob is positioned at the "OFF" mark.
2. Insert the Heavy Duty Quarter-Turn Clamp.
3. Turn the knob to the "ON" mark for clamping. The knob clicks when it is clamped/unclamped. Note: For unclamping, follow back these steps.

Application Example

Installation/removal of conveyor

LOCKING RECEPTACLE
QCTHS0834-B

HEAVY DUTY QUARTER-TURN CLAMPS
QCTHS0834-20

Continuing on Next Page
How To Install Quarter-Turn Clamp

When plate thickness is 6mm.

When plate thickness is over 6mm, 20mm or less.

Installing Position

HEAVY DUTY QUARTER-TURN CLAMPS
LOCKING RECEPTACLE

Changes of mold
How To Install Receptacle

Plate thickness should be 9mm or more.

**Accuracy**

**Machining Accuracy**

Spacing tolerance on both the subplate and the base plate should be ±0.04.

**Repeatability**

Repeatability ±0.1

For higher accurate locating, use locating pins.