27 · 48 Compression Latches
Self-adjusting · Single hole mount

- Two sizes available
- Easy grip adjustment
- Multiple head styles

Material and Finish
Steel, zinc plated or stainless steel

Performance Details
27: Maximum static load: 155 N (35 lbf)
48: Maximum static load: 220 N (50 lbf)

Performance Details

<table>
<thead>
<tr>
<th>Size</th>
<th>Material</th>
<th>A (Minimum)</th>
<th>B (Maximum)</th>
<th>C (Minimum)</th>
<th>D (Maximum)</th>
<th>E (Maximum)</th>
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</thead>
<tbody>
<tr>
<td>27 Series</td>
<td>Steel</td>
<td>4.8 (.19)</td>
<td>10.3 (.41)</td>
<td>17.5 (.69)</td>
<td>31.8 (1.25)</td>
<td>13.9 (.55)</td>
</tr>
<tr>
<td>Miniature</td>
<td>Stainless</td>
<td>4.8 (.19)</td>
<td>21 (.81)</td>
<td>19 (.75)</td>
<td>44 (.173)</td>
<td>25.3 (.99)</td>
</tr>
<tr>
<td>48 Series</td>
<td>Small</td>
<td>4.8 (.19)</td>
<td>17.5 (.69)</td>
<td>19 (.75)</td>
<td>44 (.173)</td>
<td>25.3 (.99)</td>
</tr>
</tbody>
</table>

Other options available. For complete details on variety, part numbers, installation and specification, go to

www.southco.com/27
www.southco.com/48

Material and Grip Range

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Steel</td>
<td>0.8 (.03)</td>
<td>7.1 (.28)</td>
<td>27-99-123-10</td>
<td>27-10-501-10</td>
<td>27-10-701-10</td>
<td>27-10-311-10</td>
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<tr>
<td>Stainless</td>
<td>0.8 (.03)</td>
<td>7.1 (.28)</td>
<td>27-99-123-20</td>
<td>27-10-501-20</td>
<td>27-10-701-20</td>
<td>27-10-311-20</td>
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<td></td>
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<td></td>
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</tbody>
</table>

* all part numbers shown are for clockwise rotation. For specification and ordering details visit: www.southco.com

27 Series · Miniature

For specification and ordering details visit: www.southco.com

Dimensions in millimeters (inch) unless otherwise stated
16 Compression Latch
Self-adjusting · Cam indicator · Knob actuated · Single hole mount

- Three sizes available
- Easy grip adjustment

Material and Finish
Steel, zinc plated

Performance Details
Small: Working load: 135 N (30 lbf)
Medium: Working load: 220 N (50 lbf)
Large: Working load: 335 N (75 lbf)

www.southco.com/16

Grip Range
Part Number
Small
3.2 (.12) 10.3 (.41) 16-10-511-16
1.6 (.06) 8.7 (.34) 16-10-411-14
7.1 (.28) 14.3 (.56) 16-10-412-14
1.6 (.06) 12.7 (.50) 16-10-311-14
9.5 (.37) 20.6 (.81) 16-10-312-14

43 · 44 · 14 Compression Latches
Self-adjusting · Three hole mount

- Three sizes available
- Three hole installation
- Easy grip adjustment

Material and Finish
Steel, zinc plated or stainless steel

Performance Details
Working Load:
43 Small: 330 N (75 lbf)
44 Medium: 490 N (110 lbf)
14 Large: 670 N (150 lbf)

www.southco.com/43
www.southco.com/44
www.southco.com/14

Grip Range
Part Number
Small
2.4 (.09) 9.9 (.39) 15.5 (.61) 18.3 (.72) 10 (.40)
2.4 (.09) 13.5 (.53) 17.3 (.68) 23.4 (.92) 19 (.75)
4.8 (.19) 19 (.75) 21.8 (.86) 32.9 (1.3) 23 (.91)

Grip Range
Part Number
Medium
Steel
3.2 (.12) 9.5 (.37) 44-1-1-0 44-1-16-0
9.5 (.37) 19.1 (.75) 44-1-2-0 44-1-17-0
19.1 (.75) 28.6 (1.12) 44-1-3-0 44-1-18-0
Stainless steel
3.2 (.12) 9.5 (.37) 44-1-1-24 44-1-16-24
9.5 (.37) 19.1 (.75) 44-1-2-24 44-1-17-24
19.1 (.75) 28.6 (1.12) 44-1-3-24 44-1-18-24

Also available: Tool recess, Slotted, Hex recess

Size | A | B | C | D | E | F | G
--- | --- | --- | --- | --- | --- | --- | ---
Small 43 | 15.1 (.59) | 8.9 (.35) | 15.9 (.63) | 22.2 (.88) | 28.6 (1.13) | 20.6 (.81) | 13.9 (.55)
Medium 44 | 23.8 (.94) | 14.6 (.57) | 25.4 (1.0) | 32.1 (1.27) | 44.5 (1.75) | 31.8 (1.25) | 22.2 (.88)
Large 14 | 28.6 (1.13) | 22.7 (.90) | 34 (1.34) | 44.5 (1.75) | 63.5 (2.5) | 47.6 (1.87) | 33.3 (1.31)

Dimensions in millimeters (inch) unless otherwise stated.

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/43 www.southco.com/44 www.southco.com/14
Southco® Compression Latches

Miniature Size
- Single-hole installation
- An extra turn adjusts the amount of compression applied
- Corrosion-resistant assemblies available
- Four access styles including hand- and tool-operated

Material and Finish

Installation
1. Install latch from back side of panel.
2. Slip trim nut over knob, slotted head or hex socket head and finger tighten against panel.
3. With pawl in latched position, tighten hex nut hard against back of panel with 3/8" end wrench.
For Black Nylon Knob style: Be sure latch is properly attached and functioning then press knob onto knurled steel head of screw. Neither knob nor latch can be removed once knob is pressed into position.

Product Strength Guidelines
Maximum static load: 155 N (35 lbs.)
Average ultimate load: 400 N (90 lbs.)
Operating Temperature Range: -20°C (0°F) to 80°C (180°F)
Flammability Rating (KNOB): UL94-HB

PART NUMBERS

<table>
<thead>
<tr>
<th>Material and Finish</th>
<th>Type “A”</th>
<th>Type “B”</th>
<th>Type “A”</th>
<th>Type “B”</th>
<th>Type “A”</th>
<th>Type “B”</th>
</tr>
</thead>
</table>

Dimensions without tolerances are for reference only.

62 • Products identified with this symbol are stocked subject to prior sale in one or more of our global locations. If unavailable from our facility nearest you, allow for shipping time from another facility.
**Southco® Compression Latches**

**Small Size**
- Single-hole installation
- An extra turn adjusts the amount of compression applied
- Four access styles including hand- and tool-operated

**Panel preparation**

**Material and Finish**
- SCREW: Low carbon steel.
- HEX NUT: 12L14 Steel.
- TRIM WASHER: Steel.
- LOCKWASHER: Steel.
- PAWL: 1010 Steel.
- BUSHING: 12L14 Steel. The above components are zinc plate chromate plus sealer.
- SPRING and SPRING WASHER: 17-7PH Stainless steel.
- KNOB: Nylon, black.
- HOUSING: Die-cast zinc, chemical protective film.

**Installation**
1. Prepare panel.
2. Rotate knob to run pawl to back of housing.
3. Remove mounting nut and lockwasher.
4. Insert latch into hole by hooking pawl through hole.
5. Replace lockwasher and mounting nut; tighten with wrench.

**Product Strength Guidelines**
(Maximum static load: 220 N (50 lbs.)
Average ultimate load: 445 N (100 lbs.)
Operating Temperature Range: -20°C (0°F) to 80°C (180°F)
Flammability Rating (KNOB): UL94 - V2)

**PART NUMBERS**

<table>
<thead>
<tr>
<th>GRIP RANGE</th>
<th>Knob Style</th>
<th>Slotted Head</th>
<th>Hex Socket</th>
<th>Phillips Recess</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN.</td>
<td>MAX.</td>
<td>48-10-401-10 •</td>
<td>48-11-R •</td>
<td>48-81-R •</td>
</tr>
<tr>
<td>2.4 (.09)</td>
<td>9.5 (.38)</td>
<td>13 (.50)</td>
<td>48-12-R •</td>
<td>48-82-R •</td>
</tr>
<tr>
<td>8.7 (.34)</td>
<td>15.9 (.63)</td>
<td>48-10-402-10 •</td>
<td>48-83-R •</td>
<td>48-93-R •</td>
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<tr>
<td>15.1 (.59)</td>
<td>22.2 (.88)</td>
<td>48-10-403-10 •</td>
<td>48-13-R •</td>
<td>48-14-R •</td>
</tr>
</tbody>
</table>

- Products identified with this symbol are stocked subject to prior sale in one or more of our global locations. If unavailable from our facility nearest you, allow for shipping time from another facility.
Southco® Compression Latches

Pawl Indicator Style
• Arrow indicates pawl position
• Single-hole installation
• An extra turn adjusts the amount of compression applied
• Three sizes

300 and 400 series
(see table below for PART NUMBERS)

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>GRIP</th>
<th>PART NUMBERS</th>
<th>Pawl position</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>54.8 (2.16)</td>
<td>21.8 (.86)</td>
<td>32.9 (1.30)</td>
<td>19 (.75)</td>
</tr>
<tr>
<td>40.7 (.160)</td>
<td>17.3 (.68)</td>
<td>23.4 (.92)</td>
<td>13.5 (.53)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSTALLATION</th>
<th>Pawl style and position (pre-assembled)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>K</td>
</tr>
<tr>
<td>19 (.750)</td>
<td>17.5 (.687)</td>
</tr>
<tr>
<td>14.3 (.562)</td>
<td>12.7 (.500)</td>
</tr>
</tbody>
</table>
Material and Finish

(500 series)

(300 and 400 series)

Installation

(500 series)
1. Prepare panel.
2. Remove trim nut from latch assembly and install latch from back side of panel.
3. Tighten hex nut.
4. Align tang on inside diameter of indicator with slot in head of sleeve, slide into position and press knob over head of screw. NOTE: Neither knob nor latch can be removed once knob is pressed into position.

(300 and 400 series)
1. Prepare panel.
2. Rotate knob to run pawl to back of housing.
3. Remove mounting nut and lockwasher.
4. Insert latch into hole by hooking pawl through hole, following through with housing.
5. Replace lockwasher and mounting nut and tighten.

**PRODUCT STRENGTH GUIDELINES**
(To assist in your product selection; samples are available for your evaluation.)

<table>
<thead>
<tr>
<th>Series</th>
<th>MAX. static load</th>
<th>Average ultimate load</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>335 N (75 lbs.)</td>
<td>445 N (100 lbs.)</td>
</tr>
<tr>
<td>400</td>
<td>220 N (50 lbs.)</td>
<td>330 N (75 lbs.)</td>
</tr>
<tr>
<td>500</td>
<td>135 N (30 lbs.)</td>
<td>200 N (45 lbs.)</td>
</tr>
</tbody>
</table>

Flammability Rating (Nylon knob): UL94 - HB
Operating Temperature Range (Nylon knob):
-20°C (0°F) to 80°C (180°F)