Reduce or eliminate noise and rattle, or compress gaskets for environmental or EMI / RFI sealing. A wide variety of compression latch styles include many secure key and tool access options.

An extensive line of premium latches built around the unique SOUTHCO® VISE ACTION® mechanism that provides both cam engagement and vibration-dampening compression with a continuous half-turn motion. New access styles, new materials and finish options, and expanded installation styles make this the most versatile compression latch solution.

- Up to 6.4mm (.25") compression
- Over-center action resists accidental opening
- Numerous hand, tool and key actuation styles
- Extensive range of body & installation styles
- Sealed versions to meet NEMA / IP standards

Simply lift handle to release compression, then turn handle 90° to open. Larger profile latches provide ample hand grip to unlatch and manipulate larger doors. Flush mounted and miniature styles for better aesthetics or where space is limited. Available in a wide range of materials and finishes.

- Convenience of latch and handle in one
- Choices of pre-set pull-up compression
- Includes stylish flush mount options
This compression latch family includes a wide range of low profile and flush lever latch solutions, some with push-button handle release for stylized enclosures ranging from transit storage compartments to electronics cabinetry. Also includes heavy-duty latches for compressing and prying open gasketed doors in industrial strength applications such as refrigerated storage.

- Latch and handle capability in one assembly
- Over-center models provide secure closure plus opening leverage
- Accommodates a wide range of grip dimensions
- Includes stylish flush mount options
- Sealed versions to meet NEMA / IP standards
- Several tool and key access versions

SOUTHCO® self-adjusting latches provide user controlled compression adjustment during each actuation. They are available in a range of styles from miniature versions to larger sizes for heavier duty applications, ranging from construction equipment to industrial enclosures. They also provide some of the quickest, most economical, and easiest to access compression solutions for quietening small access doors in vibration-prone sheet metal applications ranging from HVAC equipment to fan-cooled electronics enclosures.

- User-controlled compression
- Adjusts easily for grip setting or dimensional variations in cabinets
- Numerous actuation styles
- Accommodates a wide range of grip dimensions
## Compression Latches
Selection guide

Use this selection guide to choose the right compression latch for your application

### Key-Locking Available

### Key-Choice System

### NEMA / IP Rated

### Multi-Point Latching

### Padlockable

### Stainless Steel

### Vibration Resistant

### Fire Resistant

---

### VISE ACTION® LATCHES PAGES 76-93

<table>
<thead>
<tr>
<th>Product class</th>
<th>MATERIAL</th>
<th>INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Stainless Steel</td>
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<td>E3 13.5mm</td>
<td>Zinc and Steel</td>
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<tr>
<td>E3 3 Hole</td>
<td>Aluminum</td>
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### LIFT AND TURN PAGES 94-103

<table>
<thead>
<tr>
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<tbody>
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<tr>
<td>M1</td>
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### LEVER PAGES 104-107

<table>
<thead>
<tr>
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<tbody>
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<td>C5 71mm</td>
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### SELF-ADJUSTING PAGES 108-110

<table>
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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](http://www.southco.com)

Request Info

[www.aboveboardelectronics.com](http://www.aboveboardelectronics.com)
<table>
<thead>
<tr>
<th>Fire EN 45545 Rated</th>
<th>NEMA / IP Rated</th>
<th>Vibration Resistant</th>
<th>Maximum Static Load</th>
<th>Compression</th>
<th>Grip Range</th>
<th>Key-Locking Key-Choice Tool Access</th>
<th>Padlockable</th>
<th>Multi-Point Latching</th>
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Dimensions in millimeters (inch) unless otherwise stated
**E3 VISE ACTION® Compression Latch**

**Overview**

**Versatility and simplicity in action**

Every SOUTHCO® VISE ACTION® Series latch solution starts with the single-turn latching and compressing action that is built into each model. At the heart of it all is our VISE ACTION® design that has proven itself in millions of installations.

**Product features**

- Suitable for a wide range of load configurations
- Excellent corrosion resistance
- Durable and reliable operation
- Multiple size, material and access configurations
- Compression achieved with minimal manual torque
- Suitable for NEMA 4 / IP65 applications

**Match material and finish options for style and functionality requirements**

Variety of materials and finishes to complement your application.

Die-cast zinc latch bodies standard finishes:
- Chrome plated
- Black powder coated
- Silver powder coated

Stainless steel latch bodies are made by metal injection molding or precise machining.

Aluminum latch bodies standard finishes:
- Black powder coated
- Silver powder coated
- Black hard anodized
- Clear powder coated

**Select one of these three housing styles to fit your access requirements**

A series of basic housing styles of the VISE ACTION® compression latch have been developed to meet specific door configuration and mounting requirements - for depth, thickness, strength, grip dimension, and surface protrusion.

- Right and left hand actuation
- Optional pre-assembled cam for quick installation
- Wide choice of accessories

**Dimensions in millimeters (inch) unless otherwise stated**

13.5mm Size
- Optimum compression for use in confined space applications

19.1mm Size
- Largest choice of head styles
- Maximum grip range in door to frame spacing
- Minimal protrusion style available

3-Hole Mount
- Simplified round-hole mounting
- Suitable for thick, soft or weak panels
Choose from a wide range of head styles to fit your application and industry requirements

**Convenient hand operated knob or T-handle styles for easy repetitive access**

**Tool operated for restricted access, flush mount or low profile clearances, and industry specific standards or requirements**

**Key operated for added security**

### 13.5mm single hole door preparation

- Slotted recess
- 4 (.16) Hex recess
- Knob style
- Tubular key operated style

### 3-Hole body door preparation

- 3 (.11) Double bit
- 7 (.28) Triangle
- 7 (.28) Square
- 8 (.32) Hex recess

### 19.1mm single hole body door preparation

- 3 (.11) Double bit
- 5 (.19) Double bit
- 7 (.28) Triangle
- 8 (.32) Triangle

- 8 (.32) Hex recess
- 7 (.28) Square
- 8 (.32) Square
- Railway standard

### Determine your grip options for a perfect fit

Grip dimension is an important consideration in compression latch applications involving gaskets for environmental or RFI sealing.

**For gasketed doors:**

- Gasket
- Frame
- Door
- Cam

Grip range (Measured with gasket compressed)

- 6.4 (.25) Compression

### Adjustable cam designs

- Maximum flexibility in tolerance or gasket compression
- Cam choice to suit a broad range of grip dimensions

### Fixed cam designs

- Precise fit and minimum internal protrusion
- Wide cam selection for accurate grip dimension

---

**Dimensions in millimeters (inch) unless otherwise stated**

---

**Request Info**

1-800-453-1692

[www.aboveboardelectronics.com](http://www.aboveboardelectronics.com)
E3 VISE ACTION® Compression Latch
Machined stainless steel housing · Tool operated
Adjustable grip · 19.1mm size

- Consistent pre-set compression
- Easy grip adjustment
- Premium finish and corrosion resistance
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel (304 and 316 machined)

Performance Details
Maximum static load: 600 N (136 lbf)

Sealing Notes
NEMA 4 and IP65 enabled using gasket supplied

Keys and Accessories
See page 90

Installation Notes
Caution: Position cam so latching function can be achieved comfortably by hand. Recommended tightening torque for the mounting nut is 20 N·m (176 in-lbf).

Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E3
E3 VISE ACTION® Compression Latch
Machined stainless steel housing · Tool operated
Fixed grip · 19.1mm size

- Consistent pre-set compression
- Premium finish and corrosion resistance
- Reduced internal protrusion
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel (304 and 316 machined)

Performance Details
Maximum static load: 450 N (100 lbf)

Sealing Notes
NEMA 4 and IP65 enabled using gasket supplied

Keys and Accessories
See page 90

Installation Notes
Recommended tightening torque for the mounting nut is 20 N-m (176 in-lbf), and for the mounting screw is 10 N-m (88 in-lbf)

Part Number Selection
See table
Select grip from table, if your grip is between two options choose smaller.

Grip Table

<table>
<thead>
<tr>
<th>Total Grip</th>
<th>Max. Door Thickness for Assembled Latch</th>
<th>Total Grip</th>
<th>Max. Door Thickness for Assembled Latch</th>
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<td>7 (.28)</td>
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</table>

Grip
(measured in latched position)

Cam (open position)

Door thickness 18 Maximum (.71), latch unassembled (door plus flange gasket)

Flange gasket 0.4 (.02) compressed (supplied)

Cam Seal Screw M6 x 1 Thread

M22 x 1.5 Mounting nut Mounting lockwasher

Housing

Dimensions in millimeters (inch) unless otherwise stated

Indicator marks line up when latch is closed

Optional: Round hole installation with spur washer

Compression
E3 VISE ACTION® Compression Latch

Metal injection molding stainless steel housing · Tool or hand operated
Adjustable grip · 19.1mm size

- Consistent pre-set compression
- Easy grip adjustment
- Tool or hand operated
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel 316 and 304

Performance Details
Maximum static load: 556 N (125 lbf)

Sealing Notes
NEMA 4 and IP65 enabled using gasket supplied

Installation Notes
Caution: Position cam so latching function can be achieved comfortably by hand.
Recommended tightening torque for the mounting nut is 20 N-m (176 in-lbf).

Keys and Accessories
See page 90

Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E3

Dimensions in millimeters (inch) unless otherwise stated
E3 VISE ACTION® Compression Latch

Metal injection molding stainless steel housing · Tool or hand operated
Fixed grip · 19.1mm size

- Consistent pre-set compression
- Tool or hand operated
- Reduced internal protrusion
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel 316 and 304

Performance Details
Maximum static load: 450 N (100 lbf)

Sealing Notes
NEMA 4 / IP65 enabled using gasket supplied

Installation Notes
Recommended tightening torque for the mounting nut is 20 N·m (176 in-lbf), and for the mounting screw in 10 N·m (88 in-lbf)

Keys and Accessories
See page 90

Part Number Selection
See table
Select grip from table, if your grip is between two options choose smaller.

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<tr>
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<td>7 (2.8)</td>
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Head style

- 3 7 (.28) Triangle
- 5 SOUTHC® Tubular key
- 6 8 (.32) Hex recess
- 7 Knob
- 9 Slotted recess
- 10 8 (.32) Square
- 11 Railway standard
- 20 8 (.32) triangle
- 37 3/8" Hex recess
- 39 7 (.28) Tapered triangle

Rotation

- Type A clockwise to latch - Latch assembled
- Type A clockwise to latch - Latch unassembled
- Type B counter-clockwise to latch - Latch assembled
- Type B counter-clockwise to latch - Latch unassembled

Finish

- Electropolished
- Electropolished and hand buffed (bright)

Request Info
1-800-453-1692
www.aboveboardelectronics.com

www.southco.com/E3
E3 VISE ACTION® Compression Latch

Metal injection molding stainless steel housing · Tool or hand operated
Adjustable grip · 13.5mm size

- Consistent pre-set compression
- Easy grip adjustment
- Tool or hand operated
- Reduced dimensions
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel 316 and 304

Performance Details
Maximum static load: 356 N (80 lbf)

Sealing Notes
NEMA 4 / IP65 enabled using gasket supplied

Installation Notes
Caution: Position cam so latching function can be achieved comfortably by hand.

Accessories
See page 90
E3 VISE ACTION® Compression Latch
Zinc and plated steel · Tool or hand operated
Adjustable grip · 13.5mm size

- Consistent pre-set compression
- Easy grip adjustment
- Tool or hand operated
- Reduced dimensions
- EN 45545-3 E10 Compliant

Material and Finish
Zinc alloy, powder coated and steel, zinc plated

Performance Details
Maximum static load: 330 N (75 lbf)

Sealing Notes
NEMA 4 / IP65 sealing is enabled by using optional flange gasket. Flange gasket part number: E3-0-30268-02

Installation Notes
Caution: Position cam so latching function can be achieved comfortably by hand.

Accessories
See page 90

Part Number Selection
See table

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>Grip</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.2 (.13)</td>
<td>6.4 (.25)</td>
</tr>
<tr>
<td>2</td>
<td>6.4 (.25)</td>
<td>9.5 (.37)</td>
</tr>
<tr>
<td>3</td>
<td>9.5 (.37)</td>
<td>12.7 (.50)</td>
</tr>
<tr>
<td>4</td>
<td>12.7 (.50)</td>
<td>15.9 (.63)</td>
</tr>
<tr>
<td>5</td>
<td>15.9 (.63)</td>
<td>19.7 (.75)</td>
</tr>
<tr>
<td>6</td>
<td>19.7 (.75)</td>
<td>22.2 (.87)</td>
</tr>
<tr>
<td>7</td>
<td>22.2 (.87)</td>
<td>25.4 (1)</td>
</tr>
<tr>
<td>8</td>
<td>25.4 (1)</td>
<td>28.6 (1.13)</td>
</tr>
</tbody>
</table>

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E3
E3 VISE ACTION® Compression Latch
Zinc and plated steel · Tool or hand operated
Adjustable grip · 19.1mm size

- Consistent pre-set compression
- Easy grip adjustment
- Tool operated for security
- EN 45545-3 E10 Compliant

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 450 N (100 lbf)

Sealing Notes
NEMA 4/IP65 sealing is enabled by using optional flange gasket.
Flange gasket part number: E5-17

Installation Notes
Caution: Position cam so latching function can be achieved comfortably by hand.
Recommended tightening torque for the mounting nut is 20 N·m (176 in-lbf).

Keys and Accessories
See page 90

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E3

Dimensions in millimeters (inch) unless otherwise stated

Railway Standard - Bellcore 216
Other Tool Head Styles
Knob Style

T-Handle Style
ACTUAL SIZE

Wing Knob Style
ACTUAL SIZE

Other Tool Head Styles (slotted recess shown)

Knob Style
ACTUAL SIZE

ACTUAL SIZE

ACTUAL SIZE

ACTUAL SIZE

Dimensions in millimeters (inch) unless otherwise stated

Request Info
1-800-453-1692
www.aboveboardelectronics.com

www.southco.com/E3
### Head Styles

<table>
<thead>
<tr>
<th>Head Style</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-handle, non-locking</td>
<td><img src="image1" alt="T-handle, non-locking" /></td>
</tr>
<tr>
<td>3 (.11) Double bit</td>
<td><img src="image2" alt="Double bit" /></td>
</tr>
<tr>
<td>7 (.28) Triangle</td>
<td><img src="image3" alt="Triangle" /></td>
</tr>
<tr>
<td>7 (.28) Square</td>
<td><img src="image4" alt="Square" /></td>
</tr>
<tr>
<td>SOUTHCO® Tubular key</td>
<td><img src="image5" alt="Tubular key" /></td>
</tr>
<tr>
<td>8 (.32) Hex recess</td>
<td><img src="image6" alt="Hex recess" /></td>
</tr>
<tr>
<td>Standard knob</td>
<td><img src="image7" alt="Standard knob" /></td>
</tr>
<tr>
<td>T-handle, key-locking</td>
<td><img src="image8" alt="T-handle, key-locking" /></td>
</tr>
<tr>
<td>Slotted recess</td>
<td><img src="image9" alt="Slotted recess" /></td>
</tr>
<tr>
<td>8 (.32) Square driver</td>
<td><img src="image10" alt="Square driver" /></td>
</tr>
<tr>
<td>Railway standard</td>
<td><img src="image11" alt="Railway standard" /></td>
</tr>
<tr>
<td>Bellcore 216</td>
<td><img src="image12" alt="Bellcore 216" /></td>
</tr>
<tr>
<td>Bellcore electronics</td>
<td><img src="image13" alt="Bellcore electronics" /></td>
</tr>
<tr>
<td>8 (.32) Triangle</td>
<td><img src="image14" alt="Triangle" /></td>
</tr>
<tr>
<td>5 (.19) Double bit</td>
<td><img src="image15" alt="Double bit" /></td>
</tr>
<tr>
<td>Wing knob, non-locking</td>
<td><img src="image16" alt="Wing knob, non-locking" /></td>
</tr>
<tr>
<td>Wing knob, key-locking, keyed CH751</td>
<td><img src="image17" alt="Wing knob, key-locking, keyed CH751" /></td>
</tr>
<tr>
<td>Wing knob, key-locking, shuttered, keyed R001</td>
<td><img src="image18" alt="Wing knob, key-locking, shuttered, keyed R001" /></td>
</tr>
<tr>
<td>Wing knob, without lock core</td>
<td><img src="image19" alt="Wing knob, without lock core" /></td>
</tr>
</tbody>
</table>

### Rotation

<table>
<thead>
<tr>
<th>Rotation Type</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type A</td>
<td><img src="image20" alt="Type A" /></td>
</tr>
<tr>
<td>Type B</td>
<td><img src="image21" alt="Type B" /></td>
</tr>
</tbody>
</table>

- **Type A**: Turn clockwise to latch
- **Type B**: Turn counter-clockwise to latch

### Head Styles (other head styles available)

- T-handle, non-locking
- 3 (.11) Double bit
- 7 (.28) Triangle
- 7 (.28) Square
- SOUTHCO® Tubular key
- 8 (.32) Hex recess
- Standard knob
- T-handle, key-locking
- Slotted recess
- 8 (.32) Square driver
- Railway standard

### Finish

<table>
<thead>
<tr>
<th>Finish</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image22" alt="Chrome plated" /></td>
</tr>
<tr>
<td>5</td>
<td><img src="image23" alt="Black powder coated" /></td>
</tr>
<tr>
<td>7</td>
<td><img src="image24" alt="Silver powder coated" /></td>
</tr>
</tbody>
</table>

### Grip

<table>
<thead>
<tr>
<th>Grip</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11.4 (.45)</td>
<td>27.2 (1.07)</td>
<td>Deep offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>66.3 (2.61)</td>
<td>76.2 (3.00)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>2</td>
<td>25.4 (1)</td>
<td>41.1 (1.62)</td>
<td>Offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>52.6 (2.07)</td>
<td>68.3 (2.69)</td>
<td>Offset cam, reversed</td>
</tr>
<tr>
<td>3</td>
<td>38.9 (1.53)</td>
<td>54.6 (2.15)</td>
<td>Straight cam</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated.
E3 VISE ACTION® Compression Latch
Zinc and plated steel · Tool or hand operated
Fixed grip · 19.1mm size

- Consistent pre-set compression
- Quick install
- Reduced internal protrusion
- EN 45545-3 E10 Compliant

Material and Finish
Zinc alloy, powder coated or chrome plated and steel plated

Performance Details
Maximum static load: 300 N (67 lbf)

Sealing Notes
NEMA 4 / IP65 sealing is enabled by using optional flange gasket.
Flange gasket part number: E5-17

Installation Notes
Recommended tightening torque for the mounting nut is 20 N·m (176 in-lbf), and for the mounting screw in 10 N·m (88 in-lbf)

Keys and Accessories
See page 90

Dimensions in millimeters (inch) unless otherwise stated
**Head Styles** (other head styles available)

<table>
<thead>
<tr>
<th>Head Style</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-handle, non-locking</td>
<td><img src="image1" alt="T-handle, non-locking" /></td>
</tr>
<tr>
<td>3 (.11) Double bit</td>
<td><img src="image2" alt="3 (.11) Double bit" /></td>
</tr>
<tr>
<td>7 (.28) Triangle</td>
<td><img src="image3" alt="7 (.28) Triangle" /></td>
</tr>
<tr>
<td>7 (.28) Square</td>
<td><img src="image4" alt="7 (.28) Square" /></td>
</tr>
<tr>
<td>SOUTHCO® Tubular key</td>
<td><img src="image5" alt="SOUTHCO® Tubular key" /></td>
</tr>
<tr>
<td>8 (.32) Hex recess</td>
<td><img src="image6" alt="8 (.32) Hex recess" /></td>
</tr>
<tr>
<td>Standard knob</td>
<td><img src="image7" alt="Standard knob" /></td>
</tr>
<tr>
<td>T-handle, key-locking</td>
<td><img src="image8" alt="T-handle, key-locking" /></td>
</tr>
<tr>
<td>Slotted recess</td>
<td><img src="image9" alt="Slotted recess" /></td>
</tr>
<tr>
<td>8 (.32) Square driver</td>
<td><img src="image10" alt="8 (.32) Square driver" /></td>
</tr>
<tr>
<td>Railway standard</td>
<td><img src="image11" alt="Railway standard" /></td>
</tr>
<tr>
<td>Bellcore 216</td>
<td><img src="image12" alt="Bellcore 216" /></td>
</tr>
<tr>
<td>Bellcore electronics</td>
<td><img src="image13" alt="Bellcore electronics" /></td>
</tr>
<tr>
<td>8 (.32) Triangle</td>
<td><img src="image14" alt="8 (.32) Triangle" /></td>
</tr>
</tbody>
</table>

**Rotation**

- **Type A**: Clockwise to latch - Latch assembled
- **Type B**: Counter-clockwise to latch - Latch assembled

**Finish**

- 1: Chrome plated
- 5: Black powder coated
- 7: Silver powder coated

**Grip Table**

<table>
<thead>
<tr>
<th>Head Style</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-handle, non-locking</td>
<td><img src="image1" alt="T-handle, non-locking" /></td>
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<tr>
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<td><img src="image6" alt="8 (.32) Hex recess" /></td>
</tr>
<tr>
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</tr>
<tr>
<td>T-handle, key-locking</td>
<td><img src="image8" alt="T-handle, key-locking" /></td>
</tr>
<tr>
<td>8 (.32) Square driver</td>
<td><img src="image10" alt="8 (.32) Square driver" /></td>
</tr>
<tr>
<td>Railway standard</td>
<td><img src="image11" alt="Railway standard" /></td>
</tr>
</tbody>
</table>

**Part Number Selection**

See table
E3 VISE ACTION® Compression Latch
Zinc and plated steel · Tool or hand operated
Three hole mount · Adjustable grip · 19.1mm size

- Consistent pre-set compression
- Easy grip adjustment

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 450 N (100 lbf)

Installation Notes
For door thickness greater than 4 (.16) calculate screw length using the following formula:
Door thickness + 6 (.24)

Keys and Accessories
See page 90

Part Number Selection
See table

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>E Grip</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.9 (.31)</td>
<td>23.6 (.93)</td>
<td>Deep offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>62.8 (2.47)</td>
<td>76.2 (3.00)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>2</td>
<td>21.8 (.86)</td>
<td>37.3 (1.47)</td>
<td>Offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>49 (1.93)</td>
<td>64.8 (2.55)</td>
<td>Offset cam, reversed</td>
</tr>
<tr>
<td>3</td>
<td>35.3 (1.39)</td>
<td>51 (2.00)</td>
<td>Straight cam</td>
</tr>
</tbody>
</table>

H Head style
1 T-handle non-locking
2 3 (.11) Double bit
3 7 (.28) Triangle
4 7 (.28) Square
5 SOUTHCO® Tubular key
6 8 (.32) Hex recess
8 T-Handle locking keyed
CH751 (two flat keys supplied)

E3 - R H G F

F Finish
1 Chrome plated
5 Black powder coated
7 Silver powder coated

R Rotation
3 Type A clockwise to latch
23 Type B clockwise to latch

www.southco.com/E3
**E3 VISE ACTION® Compression Latch**
Aluminum · Tool Operated · Fixed grip
19.1mm size

- Light Weight
- Premium finish and corrosion resistance
- Reduced internal protrusion
- EN 45545-3 E30 Compliant

**Material and Finish**
Aluminum, Anodized or Powder Coated.

Black hard anodized assembly - Stainless Steel cam and hardware
All other finishes - Steel Cam and hardware

**Performance Details**
Maximum static load: 450 N (102 lbf)
Complies with DIN EN 61373 vibration standard
(See www.southco.com for details)

**Sealing Notes**
NEMA 4 and IP65 achieved using gasket supplied

**Installation Notes**
Recommended tightening torque for the mounting nut is 20 N-m (176 in-lbf), and for the mounting screw is 10 N-m (88 in-lbf)

Keys and accessories see page 90

**Part Number Selection**
Select grip from table, if your grip is between two options choose smaller.

---

**E3 - RHG F**

**Finish**

3 7 (.28) Triangle
4 7 (.28) Square
6 8 (.32) Hex recess
9 Slotted Recess
10 8 (.32) Square
11 Railway standard
15 Bellcore 216

**Head style**

6 Black Hard Anodized
06 Clear Powder Coat
56 Black Powder Coat
76 Silver Powder Coat

**Head Styles**

- 7 (.28) Triangle
- 7 (.28) Square
- 8 (.32) Hex recess
- 8 (.32) Square
- Railway standard
- Bellcore 216

---

**Grip Table**

<table>
<thead>
<tr>
<th>Total Grip</th>
<th>E</th>
<th>Max. Door Thickness for Assembled Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 (.79)</td>
<td>00</td>
<td>1 (.04)</td>
</tr>
<tr>
<td>22 (.87)</td>
<td>01</td>
<td>2 (.08)</td>
</tr>
<tr>
<td>24 (.94)</td>
<td>02</td>
<td>4 (.16)</td>
</tr>
<tr>
<td>26 (.102)</td>
<td>03</td>
<td>5 (.20)</td>
</tr>
<tr>
<td>28 (.110)</td>
<td>04</td>
<td>6 (.24)</td>
</tr>
<tr>
<td>30 (.118)</td>
<td>05</td>
<td>1 (.04)</td>
</tr>
<tr>
<td>32.5 (.128)</td>
<td>06</td>
<td>1 (.04)</td>
</tr>
<tr>
<td>34 (.134)</td>
<td>07</td>
<td>1 (.04)</td>
</tr>
<tr>
<td>36 (.142)</td>
<td>08</td>
<td>1 (.04)</td>
</tr>
<tr>
<td>38 (.150)</td>
<td>09</td>
<td>1 (.04)</td>
</tr>
</tbody>
</table>

---

**Dimensions in millimeters (inch) unless otherwise stated**

---

**Request Info**

1-800-453-1692

www.aboveboardelectronics.com

www.southco.com/E3
Material and Finish
Steel, zinc plated

Part Number
Steel tubular key (order separately)
Small E3 latches: E3-26-819-15
Large E3 latches: E3-5-15

Material and Finish
Zinc alloy or nylon

Notes
*Does not work with 7mm tapered triangle

Keys - Steel
For latches with SOUTHCO®
Tubular key head styles

Keys - Zinc or Nylon

Key Styles

Overmolded Keys
Key CH751
PK-10-10-05

Key R001
PK-10-10-05-KR001

Flat Keys
Key CH751
PK-10-01

Dimensions in millimeters (inch) unless otherwise stated
E3 VISE ACTION® Compression Latch Accessories
Fixed bracket for flush mounting

Material and Finish
Stainless steel or galvanized steel with rubber o-ring

Sealing Notes
Environmental sealing is achieved by using latch with flange gasket (optional or included with latch see pages 78-89) and sealing the mounting screw threads.

Notes
For use with 19.1mm size single hole mount tool operated E3 VISE ACTION® compression latches, see pages 78-81, 84-87, 89

<table>
<thead>
<tr>
<th>A</th>
<th>Part Number</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.6</td>
<td>E3-77-251-12</td>
<td>Galvanized steel</td>
</tr>
<tr>
<td>6.6</td>
<td>E3-77-252-24</td>
<td>304 Stainless steel</td>
</tr>
<tr>
<td>*9.3</td>
<td>E3-77-251-24</td>
<td>304 Stainless steel</td>
</tr>
<tr>
<td>*9.3</td>
<td>E3-77-252-24</td>
<td>304 Stainless steel</td>
</tr>
</tbody>
</table>

* For use with Railway standard or Bellcore 216 style only

Door preparation
For dimensions:
Large adjustable grip 24±1.5 (.94±.06)
Fixed grip 36±4 (1.42±.15)

Double bit (key retained style)
Key can only be removed in the latch closed position.

To calculate the Total Grip, use the following formula:
Frame Thickness + Compressed Gasket - A
Use this Total Grip with the appropriate E3 tables in the SOUTHCO® Handbook to determine cam type.

Dimensions in millimeters (inch) unless otherwise stated

Installation

Hardware adjustable grip assemblies

Flange gasket (see sealing notes)

(2) Studs or screws (not supplied)
E3 VISE ACTION® Compression Latch Accessories
Sealing & spur washers · Sealing covers · Sleeve nut

Material and Finish
Sealing washers: Neoprene, natural
Spur washer: Steel, zinc plated
Sealing cover: Thermoplastic elastomer, black

Notes
Spur washer provides for round hole installation in wood and similar materials of low density
Sealing cover cannot be used with Railway standard or Bellcore 216 styles

Sealing Washers
13.5mm size
Ø 16 (.63) Ø 19 (.75) Ø 22.6 (.89)
13.5 (.53) 0.8 (.03) 1.11

19.1mm size
Ø 28.2 Ø 31 (1.32)
1.6 (.88) 1.9 (.75)

Spur Washer
19.1mm size
Ø 31 (1.32) Ø 22.2 (.88)
0.8 (.03) 0.8 (.30)

Sealing Cover

Latch Installation Hole Size

<table>
<thead>
<tr>
<th>Ø G</th>
<th>Distance across flat H</th>
<th>Ø C</th>
<th>D</th>
<th>E</th>
<th>Ø F</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 (.63)</td>
<td>13.5 (.53)</td>
<td>40 (1.58)</td>
<td>20 (.85)</td>
<td>29 (1.13)</td>
<td>10.5 (.42)</td>
</tr>
<tr>
<td>22.5 (.88)</td>
<td>19.6 (.77)</td>
<td>47 (1.84)</td>
<td>28 (1.09)</td>
<td>35 (1.38)</td>
<td>11.7 (.46)</td>
</tr>
</tbody>
</table>

Type | Part Number | Adjustment Formula
--- | --- | ---
Sealing washer 13.5mm size | E3-0-30268-02 | Add 0.4 (.02) to door thickness
Sealing washer 19.1mm size | E5-17 | Add 0.4 (.02) to door thickness
Spur washer 19.1mm size | 90-6-875 | Add 0.8 (.03) to door thickness
Sealing cover 13.5mm size | 90-1 | Add 2.3 (.09) to door thickness
Sealing cover 19.1mm size | 90-3 | Add 2.3 (.09) to door thickness

Sleeve Nut M22 Thread (for 19.1mm size E3 only)

| Ø 27 (1.06) | Ø 24.6 (0.97) |
| 4.8 (1.9) A | 22.4 (.88) |

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>A</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.7 (.50)</td>
<td>E3-34-263-36</td>
</tr>
<tr>
<td>25 (.98)</td>
<td>E3-34-264-36</td>
</tr>
</tbody>
</table>

Part Number
See table

Material and Finish
Zinc alloy

Installation Notes
For use in double skin doors. Produce standard panel cutout in outer door and for the inner door produce 25 (.98) hole for sleeve nut.

Part Number
See table

www.southco.com/E3

Request Info
1-800-453-1692
www.aboveboardelectronics.com
E3 VISE ACTION® Compression Latch Accessories
Padlock brackets · Finger pulls

Material and Finish
Padlock bracket: Stainless steel, black powder coated
Pull tab: Nylon, black

Sealing Notes
To provide sealing use two flange gaskets and add compressed thickness of each flange gasket and bracket thickness to your door thickness.

Notes
Padlock bracket: For 19.1mm size single hole mount tool operated only
Only unassembled styles can be used with round padlock bracket

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Adjustment Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Padlock bracket square</td>
<td>E3-77-101-31</td>
<td>Add 2 (.08) to door thickness</td>
</tr>
<tr>
<td>Padlock bracket round</td>
<td>E3-77-102-31</td>
<td>Add 2 (.08) to door thickness</td>
</tr>
<tr>
<td>Pull tab 13.5mm size - In-line</td>
<td>E3-27-61</td>
<td>Add 2 (.08) to door thickness</td>
</tr>
<tr>
<td>Pull tab 13.5mm size - Perpendicular</td>
<td>E3-27-62</td>
<td>Add 2 (.08) to door thickness</td>
</tr>
<tr>
<td>Pull tab 19.1mm size</td>
<td>E3-27-1</td>
<td>Add 2.4 (.09) to door thickness</td>
</tr>
</tbody>
</table>

Part Number
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E3
N2 Compression Latch
Lift & turn series · Folding T-handle · Flush cup style · Adjustable grip

- Heavy-duty performance
- Flush profile when latched
- Easy grip adjustment
- Intuitive operation

Material and Finish
Stainless steel, aluminum, black powder coated and plated steel

Performance Details
Maximum static load: 1000 N (225 lbf)

Installation Notes
1. Insert latch and tighten 4 mounting nuts.
2. With latch in closed position, adjust jam nuts to position cam at correct grip. Maximum tightening torque: 20 N·m (177 in·lbf)

Keys
See page 90

Notes
N2 product family:
See opposite page for details

Part Number Selection
See table

Order both parts separately
Choose latch body style
Choose cam (see table)

Latch part number (no cam)

Cam Part Number Table (order separately)

<table>
<thead>
<tr>
<th>Part Number Selection</th>
<th>Grip</th>
<th>Finish</th>
</tr>
</thead>
</table>
| N2-2101-12 28 (1.10) 43 (1.69) Deep offset cam, forward
| N2-2101-12 88 (3.46) 104 (4.09) Deep offset cam, reversed
| N2-2102-12 43 (1.69) 58 (2.28) Offset cam, forward
| N2-2102-12 73 (2.87) 88 (3.46) Offset cam, reversed
| N2-2103-12 58 (2.28) 73 (2.87) Straight

Dimensions in millimeters (inch) unless otherwise stated
**N2 Compression Latch**

Lift & turn series · Folding T-handle · No cup style · Adjustable grip

- Heavy-duty performance
- Low profile when latched
- Easy grip adjustment
- Intuitive operation

**Material and Finish**
Stainless steel, aluminum, black powder coated and plated steel

**Performance Details**
Maximum static load: 1000 N (225 lbf)

**Installation Notes**
1. Insert latch and tighten mounting nut.
2. Bend tab washer over mounting nut.
3. With latch in closed position, adjust jam nuts to position cam at correct grip. Maximum tightening torque: 20 N·m (177 in-lbf)

**Keys**
See page 90

**Part Number Selection**
See table

Order both parts separately
Choose latch body style
Choose cam (see table)

**Notes**
Other styles available
Custom colors and keycodes
Contact Southco for details

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

www.southco.com/N2
62 Compression Latch
Lift & turn series · Flush style · Adjustable grip

- Low profile
- Easy grip adjustment
- Intuitive operation

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 220N (50 lbf)

Sealing Notes
* Sealing the mounting screw threads required.

Installation Notes
**Screw and lockwasher assembly M4 x 10. For door thickness greater than 3 (.11) calculate screw length using the following formula:
Door thickness + 7 (.28)
***Add 0.4 (.02) to door thickness when using cup gasket

Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/62
62 Compression Latch
Lift & turn series · Flush style · Adjustable grip

- Low profile
- Intuitive operation

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 440 N (100 lbf)

Sealing Notes
Environmental sealing is achieved by using a cup gasket and sealing the mounting screw threads.

Installation Notes
*Screw and lockwasher assembly M5 x 16. For door thickness greater than 6 (.25) calculate screw length using the following formula:
Door thickness + 10 (.39)
**Add 0.4 (.02) to door thickness when using cup gasket

Accessories
Cup gasket:
Part number: 62-973-431

Keys
PK-10-01
See page 90

Notes
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158

Part Number Selection
See table

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>Grip</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6 (.23)</td>
<td>16 (.63)</td>
<td>Deep offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>56 (2.20)</td>
<td>66 (2.59)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>2</td>
<td>16 (.63)</td>
<td>26 (1.02)</td>
<td>Offset cam forward</td>
</tr>
<tr>
<td></td>
<td>46 (1.81)</td>
<td>56 (2.20)</td>
<td>Offset cam reverse</td>
</tr>
<tr>
<td>3</td>
<td>26 (1.02)</td>
<td>36 (1.41)</td>
<td>Shallow offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>36 (1.41)</td>
<td>46 (1.81)</td>
<td>Shallow offset cam, reversed</td>
</tr>
</tbody>
</table>
62 Compression Latch
Lift & turn series · Flush style · Adjustable grip

- Low profile when latched
- Easy grip adjustment
- Intuitive operation

Material and Finish
Zinc alloy, chrome brushed and steel, zinc plated

Performance Details
Maximum static load: 1250 N (280 lbf)

Installation Notes
* Screw and lockwasher assembly 5/16-18UNC x 3/4.
For door thickness greater than 6 (.25) calculate screw length using the following formula:
Door thickness + 7 (.28)

Accessories
Actuator for three point locking assembly (order separately)
Part number: 62-19-501-15

Keys
See page 90

Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to
www.southco.com/62

62 - 10 - 8 H 1 - 20

Head style
0 Non-locking
1 Key-locking keyed alike CH751 (two flat keys supplied)

Request Info
www.aboveboardelectronics.com 1-800-453-1692
### 62 Compression Latch
Lift & turn series · Handle style · Adjustable grip

#### Grip Minimum Maximum Cam Type
1 0 (.0) 4 (.16) Deep offset cam, forward
   28 (1.10) 34 (1.34) Deep offset cam, reversed
2 4 (.16) 10 (.39) Offset cam, forward
   22 (.87) 28 (1.10) Offset cam, reverse
3 10 (.39) 16 (.63) Shallow offset cam, forward
   16 (.63) 22 (.87) Shallow offset cam, reversed

#### Easy grip adjustment
#### Intuitive operation

**Material and Finish**
Zinc alloy, powder coated or chrome plated and steel, zinc plated

**Performance Details**
Maximum static load: 220 N (50 lbf)

#### Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to [www.southco.com/62](http://www.southco.com/62)
62 Compression Latch
Lift & turn series · Handle style · Adjustable grip

- Easy grip adjustment
- Intuitive operation

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 550 N (125 lbf)

Part Number Selection
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/62
62 Compression Latch
Lift & turn series · Handle style · Adjustable grip

- Easy grip adjustment
- Intuitive operation

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 670 N (150 lbf)

Notes
Larger sizes available, visit www.southco.com/62

Part Number Selection
See table

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/62

Request Info
1-800-453-1692
www.aboveboardelectronics.com
M1 20 Series Compression Latch
Cast 316 stainless steel · Lift & turn · Adjustable grip
50mm (2””) size

- Consistent pre-set compression
- Easy grip adjustment
- Flush round hole install

Material and Finish
Cast 316 grade stainless steel

Performance Details
Short cam
Maximum static load: 460 N (103 lbf)
Long cam
Maximum static load: 350 N (78 lbf)

Sealing Notes
NEMA 4 / IP66 sealing is achieved by using supplied flange gasket

Keys
Lock style 8
Part number: M1-546
Lock style 9
Part number: M1-525-39-S008

Part Number Selection
See table
See page 223 for complimentary styled push to close version

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>Lock style</th>
<th>Non-locking</th>
<th>Locking (2 keys supplied)</th>
<th>Key-locking keyed alike S008 (2 overmolded keys supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>3</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>Note</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All grips of 35 (1.38) or below, highlighted in , in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater. Examples: For a door thickness of 4mm, the minimum achievable grip is 23 and is achieved with a deep offset cam in the forward position. (4 + 19 = 23) For a door thickness of 20mm, the minimum achievable grip is 29 and is achieved with an offset cam in the forward position. (20 + 9 = 29)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Grip Adjustment Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 - 12 (.075 - .475)</td>
</tr>
<tr>
<td>2</td>
<td>12 - 22.5 (.475 - .885)</td>
</tr>
<tr>
<td>3</td>
<td>18.5 - 29 (.73 - 1.14)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Grip Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>21 - 28 (.83 - 1.10)</td>
</tr>
<tr>
<td>4</td>
<td>27 - 40 (1.06 - 1.57)</td>
</tr>
<tr>
<td>3</td>
<td>39 - 52 (2.01 - 2.52)</td>
</tr>
<tr>
<td>4</td>
<td>51 - 64 (2.01 - 2.52)</td>
</tr>
<tr>
<td>5</td>
<td>63 - 76 (2.48 - 3.00)</td>
</tr>
</tbody>
</table>

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/M1A

Request Info
www.aboveboardelectronics.com
1-800-453-1692
M1 25 Series Compression Latch
Cast 316 stainless steel · Lift & turn · Adjustable grip
64mm (2.5”) size

- Consistent pre-set compression
- Easy grip adjustment

Material and Finish
Stainless steel cast 316 grade

Performance Details
Short cam
Maximum static load: 1010 N (227 lbf)

Long cam
Maximum static load: 350 N (78 lbf)

Sealing Notes
NEMA 4 / IP66 sealing is achieved by using supplied flange gasket

Keys
- Lock style 8
- Part number: M1-546
- Lock style 9
- Part number: M1-525-39-S008

Part Number Selection
See page 224 for complimentary styled push to close version

### Grip Range

<table>
<thead>
<tr>
<th>Grip Range</th>
<th>Door Thickness</th>
<th>Grip Adjustment Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Short cam</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>23.5 - 35 (.92 - 1.38)</td>
<td>Deep offset forward</td>
</tr>
<tr>
<td>4</td>
<td>34 - 48 (1.34 - 1.89)</td>
<td>Offset forward</td>
</tr>
<tr>
<td>3</td>
<td>47 - 61 (1.85 - 2.40)</td>
<td>Straight</td>
</tr>
<tr>
<td>4</td>
<td>60 - 75 (2.36 - 2.95)</td>
<td>Offset reversed</td>
</tr>
<tr>
<td><strong>Long cam</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>23.5 - 35 (.92 - 1.38)</td>
<td>Deep offset forward</td>
</tr>
<tr>
<td>7</td>
<td>34 - 48 (1.34 - 1.89)</td>
<td>Offset forward</td>
</tr>
<tr>
<td>6</td>
<td>47 - 61 (1.85 - 2.40)</td>
<td>Straight</td>
</tr>
<tr>
<td>7</td>
<td>60 - 75 (2.36 - 2.95)</td>
<td>Offset reversed</td>
</tr>
<tr>
<td>8</td>
<td>74 - 88 (2.91 - 3.47)</td>
<td>Deep offset reversed</td>
</tr>
</tbody>
</table>

### Key Details

- Lock style 8
  - Part number: M1-546
- Lock style 9
  - Part number: M1-525-39-S008

### Notes

All grips of 33.5 (1.32) or below, highlighted in ‿, in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater.

Examples:
- For a door thickness of 4mm, the minimum achievable grip is 25.5 and is achieved with a deep offset cam in the forward position. (4 + 21.5 = 25.5)
- For a door thickness of 76mm, the minimum achievable grip is 31.5 and is achieved with a deep offset cam in the forward position. (70 + 11.5 = 81.5)

Request Info
1-800-453-1692
www.aboveboardelectronics.com
C5 Compression Latch
Sealed lever latch
90mm size

- Low profile when latched
- Easy grip adjustment
- Push button actuation

Material and Finish
Zinc alloy, black powder coated or chrome plated steel, zinc plated

Performance Details
Maximum static load: 445 N (100 lbf)

Sealing Notes
NEMA 4 / IP65 sealing is achieved by using optional flange gasket and sealing the mounting screw threads

Accessories
Dust cover:
(add 2.2 (.086) to door thickness)
Part number: C5-0-34682

Flange Gasket:
(add 0.8 (0.03) to door thickness)
Part number: C5-82

Rubber Bumper:
Part Number: C5-25-301-82

Keys
See page 90

Part Number Selection
See table

Notes
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158

Dimensions in millimeters (inch) unless otherwise stated

Lock styles
Key-locking keyed CH751
4 (.16) Hex recess
No. 2 Phillips recess
Railway Standard

Grip range
1 1-14 (0.04 - .55) Door thickness option 1 and 2 only
2 14-29 (.55 - 1.14) Door thickness option 1, 2 and 3 only
3 29-45 (1.14 - 1.77) 60 (2.36)
4 45-57 (1.77 - 2.25) 72 (2.84)

Door thickness
1 1 - 11 (.04 – .43)
2 11 - 21 (.43 – .83)
3 21 - 31 (.83 – 1.22)
4 31 - 41 (1.22 – 1.61)

Packaging option
3 Latches are sold layer packed
Omit for individually packaged latches

Other options available. For complete details on variety, part numbers, installation and specification, go to
www.southco.com/C5

Above Board Electronics, Inc.
1-800-453-1692
www.aboveboardelectronics.com
C5 Compression Latch
Sealed lever latch
71mm size

- Low profile when latched
- Easy grip adjustment
- Push button actuation

Material and Finish
Zinc alloy, powder coated and steel, zinc plated

Performance Details
Maximum static load:
Grip 1 - 25 (.04 - .98): 290 N (65 lbf)
Grip 15 - 30 (.59 - 1.18): 170 N (40 lbf)

Sealing Notes
Environmental sealing is achieved by sealing the mounting screw threads

Keys
See page 90

Part Number Selection
See table

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/C5
C2 Compression Latch
Lever latch

- Low profile when latched
- Easy grip adjustment
- Push button actuation
- Optional Sealing

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 200 N (45 lbf)

Sealing Notes
For sealed option, NEMA 4 / IP65 sealing is achieved by using the supplied flange gasket.

Installation Notes
* For door thickness greater than 5 (.20) calculate screw length using the following formula:
  Door thickness + 12 (.47)

Accessories
Rubber Bumper:
Part Number: C2-25-301-82
(reduces min. and max. grip by 2 (0.08)

Keys
See page 90

Part Number Selection
See table

Notes
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see www.southco.com

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/C2

---

C2 Non-Sealed

Grip range

Lever in raised (open) position

Door Thickness
1 (.04) Minimum - 8 (.32) Maximum

C2 Sealed

Grip range

Lever in raised (open) position

Door Thickness
1 (.04) Minimum - 8 (.32) Maximum

---

C2 - S G - L F - P

Grip Range
A  B
2  1 - 24 (.04 -.95) 35 (1.38)  63 (2.48)
3  23 - 46 (.91 - 1.81) 57 (2.24)  84 (3.31)

---

ABE
Above Board Electronics, Inc.

Request Info
www.aboveboardelectronics.com

1-800-453-1692
A7 Compression Latch
Lever latch · Over-center action

- Intuitive operation
- Built in leverage helps open stuck doors
- Consistent gasket compression

Material and Finish
Zinc alloy, powder coated or chrome plated and steel, zinc plated

Performance Details
Maximum static load: 2200 N (500 lbf)

Keys
PK-10-01
See page 90

Part Number Selection
See table

Dimensions in millimeters (inch) unless otherwise stated

Latched 9.5 (.38) compression
Mechanical ejection 7.9 (.31)

L Lock Style
1 Non-locking
2 Key-locking keyed alike CH751 (two flat keys supplied)

T Tapped mounting
0 Tapped mounting hole 10-32UNC x .38" deep
5 Tapped mounting hole M5 x 0.8 x 9.5mm deep

F Finish
20 Black powder coated
30 Chrome plated
75 Satin silver coated

A7 - 10 - 3 TL F

Request Info
www.aboveboardelectronics.com

1-800-453-1692
www.southco.com/A7

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/A7
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)

Dimensions in millimeters (inch) unless otherwise stated

### 27 Series - Miniature

<table>
<thead>
<tr>
<th>Material</th>
<th>Grip Range</th>
<th>Knurled</th>
<th>Slotted</th>
<th>Hex Recess</th>
<th>Nylon Knob</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td>Minimum</td>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<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>
</tr>
<tr>
<td>Stainless steel</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>
</tr>
</tbody>
</table>

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

### 48 Series - Small

<table>
<thead>
<tr>
<th>Material</th>
<th>Grip Range</th>
<th>Nylon Knob</th>
<th>Slotted</th>
<th>Hex Recess</th>
<th>Phillips Recess</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td>Minimum</td>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<tr>
<td>Steel</td>
<td>2.4 (.09)</td>
<td>9.5 (.38)</td>
<td>48-10-401-10</td>
<td>48-11-R</td>
<td>48-81-R</td>
</tr>
<tr>
<td>Steel</td>
<td>8.7 (.34)</td>
<td>15.9 (.63)</td>
<td>48-10-402-10</td>
<td>48-12-R</td>
<td>48-82-R</td>
</tr>
<tr>
<td>Steel</td>
<td>15.1 (.59)</td>
<td>22.2 (.88)</td>
<td>48-10-403-10</td>
<td>48-13-R</td>
<td>48-83-R</td>
</tr>
</tbody>
</table>

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

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

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

1-800-453-1692
www.aboveboardelectronics.com
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
Maximum static load:
43 Small: 330 N (75 lbf)
44 Medium: 490 N (110 lbf)
14 Large: 670 N (150 lbf)

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

43 · Small size series

<table>
<thead>
<tr>
<th>Material</th>
<th>Grip Range</th>
<th>Knurled Head</th>
<th>Slotted Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>3.2 (.12)</td>
<td>7.1 (.28)</td>
<td>43-1-4-0</td>
<td>43-1-13-0</td>
</tr>
<tr>
<td>6.4 (.25)</td>
<td>13.5 (.53)</td>
<td>43-1-5-0</td>
<td>43-1-14-0</td>
</tr>
<tr>
<td>12.7 (.50)</td>
<td>19.8 (.78)</td>
<td>43-1-6-0</td>
<td>43-1-15-0</td>
</tr>
</tbody>
</table>

44 · Medium size series

<table>
<thead>
<tr>
<th>Material</th>
<th>Grip Range</th>
<th>Knurled Head</th>
<th>Slotted Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>3.2 (.12)</td>
<td>9.5 (.37)</td>
<td>44-1-1-0</td>
<td>44-1-16-0</td>
</tr>
<tr>
<td>5.5 (.37)</td>
<td>19.1 (.75)</td>
<td>44-1-2-0</td>
<td>44-1-17-0</td>
</tr>
<tr>
<td>19.1 (.75)</td>
<td>28.6 (1.12)</td>
<td>44-1-3-0</td>
<td>44-1-18-0</td>
</tr>
<tr>
<td>Stainless steel</td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>3.2 (.12)</td>
<td>9.5 (.37)</td>
<td>44-1-4-24</td>
<td>44-1-16-24</td>
</tr>
<tr>
<td>9.5 (.37)</td>
<td>19.1 (.75)</td>
<td>44-1-2-24</td>
<td>44-1-17-24</td>
</tr>
<tr>
<td>19.1 (.75)</td>
<td>28.6 (1.12)</td>
<td>44-1-3-24</td>
<td>44-1-18-24</td>
</tr>
</tbody>
</table>

Also available: Tool recess, Slotted, Hex recess

14 · Large size series

<table>
<thead>
<tr>
<th>Material</th>
<th>Grip Range</th>
<th>Knurled Head</th>
<th>Slotted Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Minimum</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>3.2 (.13)</td>
<td>19 (.75)</td>
<td>14-10-11-11</td>
<td>14-10-71-11</td>
</tr>
<tr>
<td>9.5 (.38)</td>
<td>31.1 (.125)</td>
<td>14-10-13-11</td>
<td>14-10-73-11</td>
</tr>
<tr>
<td>22.2 (.88)</td>
<td>42.9 (.69)</td>
<td>14-10-14-11</td>
<td>14-10-74-11</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
57 Compression Latch
Self-adjusting · Spring latch series

- Four sizes available
- Three hole installation
- Accommodates grip variances

Material and Finish
Steel, zinc plated or stainless steel

Gasket
Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini</td>
<td>11.9 (.47)</td>
<td>13.5 (.53)</td>
<td>27 (1.06)</td>
<td>7.5 (.30)</td>
<td>8.5 (.33)</td>
</tr>
<tr>
<td>Small</td>
<td>15.1 (.59)</td>
<td>14.7 (.58)</td>
<td>39.7 (1.56)</td>
<td>11.1 (.44)</td>
<td>11.6 (.46)</td>
</tr>
<tr>
<td>Medium</td>
<td>19.1 (.75)</td>
<td>24.1 (.95)</td>
<td>58.7 (2.31)</td>
<td>17.5 (.69)</td>
<td>17.5 (.69)</td>
</tr>
<tr>
<td>Large</td>
<td>26.2 (1.03)</td>
<td>28.2 (1.11)</td>
<td>88.9 (3.5)</td>
<td>25 (.98)</td>
<td>26.2 (1.03)</td>
</tr>
</tbody>
</table>

Nylon knob
Knurled
T-bar

Slot
Hex recess
Tool recess

57 Series

Dimensions in millimeters (inch) unless otherwise stated

<table>
<thead>
<tr>
<th>Size</th>
<th>Grip Range</th>
<th>Knurled</th>
<th>Slotted</th>
<th>Nylon Knob</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini</td>
<td>1.2 (.05)</td>
<td>4.3 (.17)</td>
<td>57-20-201-10</td>
<td>57-20-401-10</td>
</tr>
<tr>
<td>Small</td>
<td>1.2 (.05)</td>
<td>6.4 (.25)</td>
<td>57-30-201-10</td>
<td>57-30-401-10</td>
</tr>
<tr>
<td>Medium</td>
<td>1.6 (.06)</td>
<td>9.5 (.38)</td>
<td>57-10-201-10</td>
<td>57-10-401-10</td>
</tr>
<tr>
<td>Medium (stainless)</td>
<td>1.6 (.06)</td>
<td>9.5 (.38)</td>
<td>57-10-201-40</td>
<td>~</td>
</tr>
<tr>
<td>Large</td>
<td>2.4 (.09)</td>
<td>14.3 (.56)</td>
<td>~</td>
<td>57-40-101-10</td>
</tr>
</tbody>
</table>

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

www.southco.com/57

1-800-453-1692
www.aboveboardelectronics.com
GA Gaskets
Self-gripping

- Broad application range
- Multiple industry standard profiles
- Clip-on or groove mount

Material and Finish
Gasket: EPDM Sponge, black
Carrier: 70 Durometer EPDM, black
Substrate: Steel wire

Notes
Maximum recommended compression: see “<” symbol in drawings
Other profiles available

Part Number | Coil Length Meters (Feet)
--- | ---
GA-007-82-M500 | 50 (164)
GA-202-82-M500 | 50 (164)
GA-204-82-M500 | 50 (164)
GA-206-82-M500 | 50 (164)
GA-209-82-M500 | 50 (164)
GA-704-81-M500 | 50 (164)

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/GA

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