62 Compression Latch
Small · Lift & turn series · Flush style · Adjustable grip

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

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

Performance Details
Max. static load: 220N (50 lbf)

Sealing Notes
*Environmental sealing is achieved by using dust and moisture sealed option and sealing the mounting screw threads.

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

<table>
<thead>
<tr>
<th>S</th>
<th>Sealing option</th>
<th>F</th>
<th>Finish</th>
<th>G</th>
<th>Grip</th>
<th>Min.</th>
<th>Max.</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No Gasket</td>
<td>1</td>
<td>Polished chrome</td>
<td>Deep offset cam, forward</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Gasket Included see *sealing and ***installation notes</td>
<td></td>
<td></td>
<td>34.5 (1.35)</td>
<td>40.5 (1.59)</td>
<td>Deep offset cam, reversed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4.5 (.17)</td>
<td>10.5 (.41)</td>
<td>Deep offset cam, forward</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>10.5 (.41)</td>
<td>16.5 (.65)</td>
<td>Offset cam forward</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>16.5 (.65)</td>
<td>22.5 (.88)</td>
<td>Shallow offset cam, forward</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Black powder coated</td>
<td>22.5 (.88)</td>
<td>28.5 (1.12)</td>
<td>Shallow offset cam, reversed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
**62 Compression Latch**
Medium · Lift & turn series · Flush style · Adjustable grip

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

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

**Performance Details**
Max. 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:
  
  \[
  \text{Door thickness} + 10 (.39) + 0.4 (.02) \text{ to door thickness when using cup gasket}
  \]

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

**Keys**
See page 58

**Notes**
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see pages 182 - 183

**Part Number Selection**

<table>
<thead>
<tr>
<th>Grip</th>
<th>Min.</th>
<th>Max.</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>2</td>
<td>56 (2.20)</td>
<td>66 (2.59)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>3</td>
<td>16 (.63)</td>
<td>26 (1.02)</td>
<td>Offset cam forward</td>
</tr>
<tr>
<td>2</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>3</td>
<td>36 (1.41)</td>
<td>46 (1.81)</td>
<td>Shallow offset cam, reversed</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/62
62 Compression Latch
Large · 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
Max. 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 58

Part Number Selection

62 - 10 - 8 H 1 - 20

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

Miniature · 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**
Max. static load: 220 N (50 lbf)

---

**Part Number Selection**

<table>
<thead>
<tr>
<th>Grip</th>
<th>Min.</th>
<th>Max.</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 (0)</td>
<td>4 (.16)</td>
<td>Deep offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>28 (1.10)</td>
<td>34 (1.34)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>2</td>
<td>4 (.16)</td>
<td>10 (.39)</td>
<td>Offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>22 (.87)</td>
<td>28 (1.10)</td>
<td>Offset cam, reverse</td>
</tr>
<tr>
<td>3</td>
<td>10 (.39)</td>
<td>16 (.63)</td>
<td>Shallow offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>16 (.63)</td>
<td>22 (.87)</td>
<td>Shallow offset cam, reversed</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
62 Compression Latch
Small · 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
Max. static load: 550 N (125 lbf)

Dimensions in millimeters (inch) unless otherwise stated

Part Number Selection

62 - 10 - G F

Finish
1 Polished chrome
2 Brushed chrome
3 Natural with chemical protective film
5 Black powder coated

Cam Type
1 Deep offset cam, forward
2 Offset cam, forward
3 Shallow offset cam, reversed

www.southco.com/62
62 Compression Latch
Medium · 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
Max. static load: 670 N (150 lbf)

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

Dimensions in millimeters (inch) unless otherwise stated

Part Number Selection

<table>
<thead>
<tr>
<th>Grip</th>
<th>Min.</th>
<th>Max.</th>
<th>Cam Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 (0)</td>
<td>5 (0.20)</td>
<td>Deep offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>45 (1.77)</td>
<td>55 (2.16)</td>
<td>Deep offset cam, reversed</td>
</tr>
<tr>
<td>2</td>
<td>5 (0.20)</td>
<td>15 (0.59)</td>
<td>Offset cam, forward</td>
</tr>
<tr>
<td></td>
<td>35 (1.37)</td>
<td>45 (1.77)</td>
<td>Offset cam, reversed</td>
</tr>
<tr>
<td>3</td>
<td>15 (0.59)</td>
<td>25 (0.98)</td>
<td>Shallow forward</td>
</tr>
<tr>
<td></td>
<td>25 (0.98)</td>
<td>35 (1.37)</td>
<td>Shallow reversed</td>
</tr>
</tbody>
</table>

Finish
1 Polished chrome
2 Brushed chrome
5 Black powder coated

www.southco.com/62
The composite Lift & Turn latch is a light- to medium-duty latch, utilizing engineering plastic in its major components to reduce weight yet maintain excellent strength. When the lever is in the upright position, it rotates 360° to move the cam behind the support in any one of three 90° positions. Once in place, the lever closes flush with the housing, providing 5 mm of axial pull, locking the device with an over-center action.

The latch is secured into a panel by a mounting bracket that adjusts to various thicknesses. Snap-in installation is provided for 5 mm thick panels. By using cams of various offsets, different grip ranges are easily accommodated.

**Features**

- **Broad Application Range**
  Latch can be fitted to panel range 0.5 mm – 9.0 mm and has a grip range of between 10.5 mm – 49.4 mm
- **Double Action Latching & Compression**
  Allows secure fastening of doors and panels which contain gaskets and seals
- **No Adjustments Required When Fitted**
  Fixed cam design prevents incorrect grip setting
- **4 Cam Orientation Settings**
  Cam may be fitted at 90° / 180° / 270° / 360° to the latch body center line, allowing for a wide variety of mounting positions
- **Robust Polyamide Construction**
  High strength nylon is used in the main components to ensure a durable product. The material has a V2 flammability rating to UL94

**Typical Applications**

- Telecoms base station doors & side access panels
- Electrical switchgear cabinets
- Computer server racks & enclosures
- Games machine doors & panels
- HVAC control equipment enclosures
- Storage lockers on stations/building sites
- Cupboards/lockers on trains/boats/commercial vehicles

**Parts Selection**

Latch bodies and cams are ordered separately. Choose cam based on grip range required for your application.

**Latch Body**

| Part Number | 62-424-700 |

**Cam**

<table>
<thead>
<tr>
<th>Grip Range (mm)</th>
<th>Cam Offset (mm)</th>
<th>Cam Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5 to 12.4</td>
<td>-14</td>
<td>ES-6003</td>
</tr>
<tr>
<td>12.5 to 14.4</td>
<td>-12</td>
<td>ES-6004</td>
</tr>
<tr>
<td>14.5 to 16.4</td>
<td>-10</td>
<td>ES-6005</td>
</tr>
<tr>
<td>16.5 to 19.4</td>
<td>-8</td>
<td>ES-6006</td>
</tr>
<tr>
<td>20.5 to 21.4</td>
<td>-4</td>
<td>ES-6008</td>
</tr>
<tr>
<td>21.5 to 23.4</td>
<td>-2</td>
<td>ES-6009</td>
</tr>
<tr>
<td>23.5 to 25.4</td>
<td>Flat</td>
<td>ES-6010</td>
</tr>
<tr>
<td>25.5 to 27.4</td>
<td>2</td>
<td>ES-6011</td>
</tr>
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<td>27.5 to 29.4</td>
<td>4</td>
<td>ES-6012</td>
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<tr>
<td>29.5 to 30.4</td>
<td>6</td>
<td>ES-6013</td>
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<td>31.5 to 33.4</td>
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<td>33.5 to 35.4</td>
<td>10</td>
<td>ES-6015</td>
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<tr>
<td>35.5 to 37.4</td>
<td>12</td>
<td>ES-6016</td>
</tr>
<tr>
<td>37.5 to 39.4</td>
<td>14</td>
<td>ES-6017</td>
</tr>
<tr>
<td>39.5 to 40.4</td>
<td>16</td>
<td>ES-6018</td>
</tr>
<tr>
<td>41.5 to 43.4</td>
<td>18</td>
<td>ES-6019</td>
</tr>
<tr>
<td>43.5 to 45.4</td>
<td>20</td>
<td>ES-6020</td>
</tr>
<tr>
<td>45.5 to 47.4</td>
<td>22</td>
<td>ES-6021</td>
</tr>
<tr>
<td>47.5 to 49.4</td>
<td>24</td>
<td>ES-6022</td>
</tr>
</tbody>
</table>

All dimensions on this page are in millimeters.
**Southco® Compression Latches**

**Lift and Turn Series, Handle Style**

- Medium and Large sizes
- Use actuator with Large size for 3-point latching (See pages 160 to 164)

### Medium

**Grip (pawl forward)**

<table>
<thead>
<tr>
<th>MIN</th>
<th>MAX</th>
<th>POLISHED CHROME</th>
<th>BRUSHED CHROME</th>
<th>BLACK POWDER COATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (0)</td>
<td>5 (.20)</td>
<td>62-30-11 •</td>
<td>62-30-12 •</td>
<td>62-30-15 •</td>
</tr>
<tr>
<td>5 (.20)</td>
<td>15 (.59)</td>
<td>62-30-21 •</td>
<td>62-30-22 •</td>
<td>62-30-25 •</td>
</tr>
<tr>
<td>15 (.59)</td>
<td>25 (.98)</td>
<td>62-30-31 •</td>
<td>62-30-32 •</td>
<td>62-30-35 •</td>
</tr>
<tr>
<td>25 (.98)</td>
<td>35 (1.37)</td>
<td>62-30-31 •</td>
<td>62-30-32 •</td>
<td>62-30-35 •</td>
</tr>
<tr>
<td>35 (1.37)</td>
<td>45 (1.77)</td>
<td>62-30-21 •</td>
<td>62-30-22 •</td>
<td>62-30-25 •</td>
</tr>
<tr>
<td>45 (1.77)</td>
<td>55 (2.16)</td>
<td>62-30-11 •</td>
<td>62-30-12 •</td>
<td>62-30-15 •</td>
</tr>
</tbody>
</table>

**Grip (pawl reversed)**

35 (1.37) MIN. to 67 (2.625) MAX.

**PART NUMBER**

- Polished chrome: 62-10-603-10 •
- Brushed chrome: 62-10-603-20 •

### Large

**Grip range (pawl forward)**

5 (.187) MIN. to 36.5 (1.437) MAX.

**MAX. OUTER PANEL THICKNESS = 9.5 (.375)**

**Grip (pawl reversed)**

35 (1.37) MIN. to 67 (2.625) MAX.

**PART NUMBER**

- Polished chrome: 62-10-603-10 •
- Brushed chrome: 62-10-603-20 •

*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.*
**Installation**

1. Locate and orient hole with respect to handle in latched position as shown in next step. This hole orientation is preferred for all latching positions.

![Diagram of Compression Latches](image)

2. Assemble as shown.

3. Pawl should be adjusted to GRIP measurement with the door open and the handle in the LATCHED position. Use two wrenches to tighten.

![Adjustment Diagram](image)

---

**Material and Finish**

HANDLE and SLEEVE: Die-cast zinc (see table).

| LONG PIN and SHAFT: 303 Stainless steel, passivated or passivated with black oxide. | GASKET: Fibre, natural. |

**Pawl POSITIONING PIN:** 303 Stainless steel, natural or with black oxide.

**For medium style**

| BUSHING: Aluminum, natural or with black organic coating. | **NUTS:** Low carbon steel, zinc plate, chromate plus sealer. |
| **PAWL and PAWL RETAINING CLIP:** 1010 Steel, zinc plate, chromate plus sealer. |

**For large style**

| **PAWL and ACTUATOR:** 1010 Steel, zinc alloy plate, bright chromate plus sealer. | **WASHER:** 303 Stainless steel, passivated. |
| **BUSHING:** Aluminum, natural. |

---

**Product Strength Guidelines**

(To assist in your product selection; samples are available for your evaluation.)

**Medium style**

- Maximum static load: 670 N (150 lbs.)
- Average ultimate load: 1100 N (250 lbs.)

**Large style**

- Maximum static load: 890 N (200 lbs.)
- Average ultimate load: 1550 N (350 lbs.)

2 or 3-point latching systems available!

See pages 160 to 164 for details.

---

**Note:** Contact Southco for information on handles without lettering.
Southco® Compression Latches

Lift and Turn Series, Handle Style

- Heavy-duty
- Optional padlock bracket
- Use with actuator for 3-point latching (See pages 160 to 164)

Material and Finish

HANDLE and SLEEVE: Die-cast zinc, chrome plated. MOUNTING NUT and PAWL: Die-cast zinc with chemical protective film.
GASKET: Fibre, natural.
LONG PIN: 303 Stainless steel, natural. PAWL POSITIONING PIN: 1213 Steel, zinc alloy plate, bright chrome plus sealer. SHAFT and BUSHING: Low carbon steel, zinc alloy plate, bright chrome plus sealer. JAM NUTS: Low carbon steel, zinc plated plus chromate dip.
LOCKWASHER: Spring steel, zinc plated plus chromate dip.
PAWL LOCKWASHERS: Spring steel, zinc plated plus bright chromate dip.
OPTIONAL PADLOCK BRACKET: 302 Stainless steel, passivated.

FOR 3-POINT LATCHING SYSTEMS

ACTUATOR: 1010 Steel, zinc alloy plate, bright chrome plus sealer.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)

Maximum static load: 1250 N (280 lbs.)
Average ultimate load: 2200 N (500 lbs.)

PART NUMBER

| Handle Assembly | 62-10-503-10 |
| Padlock Bracket | 62-36-501-24 |
| Actuator | 62-19-501-15 |

ACTUATOR for 3-point latching.

2 or 3-point latching systems available!
See pages 160 to 164 for details.

Installation

1. Locate and orient hole with respect to handle in latched position as shown in next step. This hole orientation is preferred for all latching positions.

2. Assemble as shown.

3. Pawl should be adjusted to GRIP measurement with the door open and the handle in the LATCHED position. Use two wrenches to tighten.

NOTE: Rotate pawl to desired latching position.