**Modularity and simplicity in action**

The SOUTHCO® E5 cam latch is a highly modular and easy to configure solution, suitable for a wide range of applications. By changing any of the three basic components (access style driver, latch body or cam) in either geometry or material, the E5 can be easily adjusted to suit most applications.

**Product features**

- Cost effective, easy to design and install
- Multiple material and access options to suit multiple needs
- Suitable to meet NEMA 4 / IP65 sealing standards
- Corrosion-resistant materials available
- Highly modular and configurable

- Match material and finish options for style and functionality requirements

A variety of materials and finishes to complement your application.

Die-cast zinc latch bodies standard finishes:

- Chrome plated
- Black powder coated

Corrosion resistant materials available

- 316 Stainless steel
- Glass-filled nylon, black
- 304 Stainless steel

- Select one of these four styles to fit your access requirements

There are four basic E5 styles to meet specific door configuration and mounting requirements in terms of design, depth, surface protrusion and operation style.

**E5 Standard**

Industry standard, highly modular and configurable options in a wide choice of materials, finishes and access styles. (See page 118)

**E5 Low Profile**

Stylish, low profile design. Tool and hand operated access styles in zinc alloy chrome plated or black powder coated. (See page 120)

**E5 Push-to-Close**

Standard E5 with the added functionality of a spring-loaded cam or actuator for single or multi-point operation. Provides quicker turn-to-open, push-to-close action. (See page 128)

**E5 Flush Cup Wing Knob**

Stylish oval cup design. Provides a clean, flush outer surface. Ideal for multi-point actuation of large doors in aesthetically pleasing applications. (See page 122)

Dimensions in millimeters (inch) unless otherwise stated
Choose from a wide range of operating styles to fit application and industry requirements.

- Convenient hand-operated wing knob, T and L-handle styles for easy hand access
- Tool operated for restricted access, flush-mount or low-profile clearances, and industry-specific standards
- Key operated for added security

**Hand operable**

- T-handle key-locking
- T-handle non-locking
- Wing knob locking
- Wing knob non-locking
- L-handle key-locking
- L-handle non-locking
- Short wing
- Tall wing
- Flush wing

**Tool / key operable**

- 3 (.11) Double bit
- 5 (.19) Double bit
- 7 (.28) Triangle
- 8 (.32) Triangle
- 9 (.35) Triangle
- Slotted
- Recessed slot
- 6 (.24) Square
- 7 (.28) Square
- 8 (.32) Square
- Railway standard
- 8 (.32) Hex recess
- Bellcore 216
- Bellcore electronics
- 8 (.32) Square recess
- Cylinder lock

**Determine your grip options for a perfect fit**

Total grip includes the dimensions of all elements in-between the mounting surface of the latch and the latch’s contact surface on the frame - including door thickness, compressed seals and gaskets, accessories, frame offset, etc.

Selecting the right cam for the E5 is easy once the total grip is known. Southco provides a wide selection of standard cams in many grip increments, and special ones like hook and push-to-close cams. Standard cams provide vibration resistance and grip variation tolerance.

**Installation**

Some SOUTHCO® E5 latches are shipped latch and cam separately and some completely pre-assembled. See product pages for details.

**E5 Standard**

Latch and cam shipped separately.

**E5 Low Profile**

Latch and cam shipped pre-assembled.

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch
Stainless steel · Tool operated · Fixed grip

- Single hole install
- Latched / unlatched indicator
- EN 45545-3 E60 Compliant

Material and Finish
Stainless steel, 304 or 316 grade

Performance Details
Maximum static load:
304 Stainless steel 550 N (124 lbf)
316 Stainless steel 670 N (150 lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Installation Notes
Mounting nut:
Maximum tightening torque: 20 N·m (177 in-lbf)

Screw Maximum tightening torque 10 N·m (90 in-lbf)

Keys and Accessories
See page 130

Part Number Selection
See table
Order latch and cam separately

Latch Part Number (no cam)

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
</tr>
<tr>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
</tr>
<tr>
<td>4 (.16)</td>
<td>E5-8003 E5-9003</td>
<td>14 (.55)</td>
<td>E5-8008 E5-9008</td>
<td>24 (.94)</td>
<td>E5-8013 E5-9013</td>
</tr>
<tr>
<td>6 (.24)</td>
<td>E5-8004 E5-9004</td>
<td>16 (.63)</td>
<td>E5-8009 E5-9009</td>
<td>26 (.102)</td>
<td>E5-8014 E5-9014</td>
</tr>
<tr>
<td>8 (.31)</td>
<td>E5-8005 E5-9005</td>
<td>18 (.71)</td>
<td>E5-8010 E5-9010</td>
<td>28 (.110)</td>
<td>E5-8015 E5-9015</td>
</tr>
<tr>
<td>10 (.39)</td>
<td>E5-8006 E5-9006</td>
<td>20 (.79)</td>
<td>E5-8011 E5-9011</td>
<td>30 (.118)</td>
<td>E5-8016 E5-9016</td>
</tr>
<tr>
<td>12 (.47)</td>
<td>E5-8007 E5-9007</td>
<td>22 (.87)</td>
<td>E5-8012 E5-9012</td>
<td>32 (.125)</td>
<td>E5-8017 E5-9017</td>
</tr>
</tbody>
</table>

Cam Part Number Table (order separately from latch)

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
<td>+2(0.08)</td>
<td>-0 (0.00)</td>
</tr>
<tr>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
<td>304 Stainless steel</td>
<td>316 Stainless steel</td>
</tr>
<tr>
<td>34 (.134)</td>
<td>E5-8018 E5-9018</td>
<td>36 (.142)</td>
<td>E5-8019 E5-9019</td>
<td>38 (.150)</td>
<td>E5-8020 E5-9020</td>
</tr>
<tr>
<td>40 (.157)</td>
<td>E5-8021 E5-9021</td>
<td>42 (.165)</td>
<td>E5-8022 E5-9022</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/E5
E5 Cam Latch
Zinc · Tool operated · Adjustable grip

- Single hole install
- Latched / unlatched indicator
- Easy grip adjustment
- Tool operated for security

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

**Performance Details**
Maximum static load: 330 N (74 lbf)

**Installation Notes**
Position cam so latching function can be achieved comfortably by hand. Recommended tightening torque for mounting nut is 10 N•m (88 in-lbf) max, and jam nut is 7 N•m (62 in-lbf)

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

**Keys and Accessories**
See page 130

**Part Number Selection**
See table
Order latch and cam separately

---

**Cam Part Number Table (order separately from latch)**

<table>
<thead>
<tr>
<th>Minimum Grip</th>
<th>Maximum Grip</th>
<th>Cam Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>-2(2.08)</td>
<td>0(0.00)</td>
<td>Deep Offset Cam, Forward</td>
<td>E5-4001</td>
</tr>
<tr>
<td>5 (1.20)</td>
<td>16.5 (0.65)</td>
<td>Deep Offset Cam, Reversed</td>
<td></td>
</tr>
<tr>
<td>51 (2.01)</td>
<td>62.5 (2.46)</td>
<td>Offset Cam, Forward</td>
<td>E5-4002</td>
</tr>
<tr>
<td>16.5 (0.65)</td>
<td>28 (1.10)</td>
<td>Offset Cam, Reversed</td>
<td></td>
</tr>
<tr>
<td>39.5 (1.56)</td>
<td>51 (2.01)</td>
<td>Straight Cam</td>
<td>E5-4003</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch
Zinc · Tool operated · Fixed grip

- Single hole install
- Latched / unlatched indicator
- EN 45545-3 E10 Compliant

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

Performance Details
Maximum static load: 330 N (74 lbf)

Installation Notes
Mounting nut:
Maximum tightening torque: 10 N·m (88 in·lbf)
Screw Maximum tightening torque: 5 N·m (45 in·lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories
See page 130

Notes
Suitable for push-to-close action see page 128

Part Number Selection
See table
Order latch and cam separately

Latch Part Number (no cam)

H Head Styles
- Slotted
- 8 (.32) Hex recess
- 7 (.28) Triangle
- 8 (.32) Triangle
- 7 (.28) Square
- 8 (.32) Square
- 3 (.11) Double bit
- 5 (.19) Double bit
- 8 (.32) Square recess
- Bellcore 216

F Finish
- 2 Bright chrome
- 5 Black powder coated

Cam Part Number Table (order separately from latch)

<table>
<thead>
<tr>
<th>Grip +2 (.08) - 0 (.00)</th>
<th>Part Number</th>
<th>Grip +2 (.08) - 0 (.00)</th>
<th>Part Number</th>
<th>Grip +2 (.08) - 0 (.00)</th>
<th>Part Number</th>
<th>Grip +2 (.08) - 0 (.00)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (.16)</td>
<td>E5-6003</td>
<td>14 (.55)</td>
<td>E5-6008</td>
<td>24 (.94)</td>
<td>E5-6013</td>
<td>34 (.08)</td>
<td>E5-6018</td>
</tr>
<tr>
<td>6 (.24)</td>
<td>E5-6004</td>
<td>16 (.63)</td>
<td>E5-6009</td>
<td>26 (.10)</td>
<td>E5-6014</td>
<td>36 (.12)</td>
<td>E5-6019</td>
</tr>
<tr>
<td>8 (.31)</td>
<td>E5-6005</td>
<td>18 (.71)</td>
<td>E5-6010</td>
<td>28 (.10)</td>
<td>E5-6015</td>
<td>38 (.10)</td>
<td>E5-6020</td>
</tr>
<tr>
<td>10 (.39)</td>
<td>E5-6006</td>
<td>20 (.79)</td>
<td>E5-6011</td>
<td>30 (.18)</td>
<td>E5-6016</td>
<td>40 (.17)</td>
<td>E5-6021</td>
</tr>
<tr>
<td>12 (.47)</td>
<td>E5-6007</td>
<td>22 (.87)</td>
<td>E5-6012</td>
<td>32 (.25)</td>
<td>E5-6017</td>
<td>42 (.65)</td>
<td>E5-6022</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch
Zinc · Shutter · Tool operated · Fixed grip

- Single hole install
- Latched / unlatched detent
- Vibration resistant
- EN 61373 Compliant

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

Performance Details
Maximum static load: 330 N (74 lbf)

Installation Notes
Mounting nut maximum tightening torque: 10 N·m (88 in-lbf)
Screw Maximum tightening torque: 5 N·m (45 in-lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories
See page 130

Part Number Selection
See table
Order latch and cam separately

Latch Part Number (no cam)
E5 - 8 - [H] [F] - UU1

Finish
2 Bright chrome
5 Black powder coated

Cam Part Number Table (order separately from latch)

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (.16)</td>
<td>E5-6003</td>
<td>14 (.55)</td>
<td>E5-6008</td>
<td>24 (.94)</td>
<td>E5-6013</td>
<td>34 (1.34)</td>
<td>E5-6018</td>
</tr>
<tr>
<td>6 (.24)</td>
<td>E5-6004</td>
<td>16 (.63)</td>
<td>E5-6009</td>
<td>26 (1.02)</td>
<td>E5-6014</td>
<td>36 (1.42)</td>
<td>E5-6019</td>
</tr>
<tr>
<td>8 (.31)</td>
<td>E5-6005</td>
<td>18 (.71)</td>
<td>E5-6010</td>
<td>28 (1.10)</td>
<td>E5-6015</td>
<td>38 (1.50)</td>
<td>E5-6020</td>
</tr>
<tr>
<td>10 (.39)</td>
<td>E5-6006</td>
<td>20 (.79)</td>
<td>E5-6011</td>
<td>30 (1.18)</td>
<td>E5-6016</td>
<td>40 (1.57)</td>
<td>E5-6021</td>
</tr>
<tr>
<td>12 (.47)</td>
<td>E5-6007</td>
<td>22 (.87)</td>
<td>E5-6012</td>
<td>32 (1.25)</td>
<td>E5-6017</td>
<td>42 (1.65)</td>
<td>E5-6022</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
**E5 Cam Latch Low Profile**

**Zinc • Tool or hand operated • Fixed grip**

- Single hole install
- Latched / unlatched indicator
- Shipped fully assembled
- EN 45545-3 E10 Compliant

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

**Performance Details**
Maximum static load: 330 N (74 lbf)

**Installation Notes**
Mounting nut
Maximum tightening torque: 10 N•m (88 in•lbf)

**Keys and Accessories**
See page 130

---

**Head Styles**
- Slotted
- 8 (.32) Hex recess
- 7 (.28) Triangle
- 8 (.32) Triangle
- 7 (.28) Square
- 8 (.32) Square
- 3 (.11) Double bit
- 5 (.19) Double bit
- 8 (.32) Square recess
- Short wing
- Tall wing
- Bellcore 216
- Bellcore Electronics

**Finish**
- 0 No o-ring or external seal
- 1 O-ring and external seal to meet NEMA 4/IP65 standards
- 1 Textured chrome
- 5 Black powder coated

**Sealing option**
- 0 No o-ring or external seal
- 1 O-ring and external seal to meet NEMA 4/IP65 standards

**Door thickness range**
1 1 - 6 (.039 - .236) (short housing supplied)
2 1 - 14 (.039 - .551) (long housing supplied)

**Grip table**

<table>
<thead>
<tr>
<th>Grip</th>
<th>Short housing</th>
<th>Long housing</th>
<th>Short housing</th>
<th>Long housing</th>
<th>Short housing</th>
<th>Long housing</th>
<th>Short housing</th>
<th>Long housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Do not use</td>
<td>6 (.24)</td>
<td>05</td>
<td>8 (.31)</td>
<td>10</td>
<td>18 (.71)</td>
<td>15</td>
<td>28 (.110)</td>
</tr>
<tr>
<td>01</td>
<td>Do not use</td>
<td>8 (.31)</td>
<td>06</td>
<td>10 (.39)</td>
<td>11</td>
<td>20 (.79)</td>
<td>16</td>
<td>30 (.188)</td>
</tr>
<tr>
<td>02</td>
<td>2 (.08)</td>
<td>10 (.39)</td>
<td>07</td>
<td>12 (.47)</td>
<td>12</td>
<td>22 (.87)</td>
<td>17</td>
<td>32 (.125)</td>
</tr>
<tr>
<td>03</td>
<td>4 (.16)</td>
<td>12 (.47)</td>
<td>08</td>
<td>14 (.55)</td>
<td>13</td>
<td>24 (.94)</td>
<td>18</td>
<td>34 (.134)</td>
</tr>
<tr>
<td>04</td>
<td>6 (.24)</td>
<td>14 (.55)</td>
<td>09</td>
<td>16 (.63)</td>
<td>14</td>
<td>26 (.102)</td>
<td>19</td>
<td>36 (.142)</td>
</tr>
<tr>
<td>07</td>
<td>5 (.19)</td>
<td>1 (.04)</td>
<td>08</td>
<td>8 (.32)</td>
<td>15</td>
<td>28 (.110)</td>
<td>20</td>
<td>36 (.142)</td>
</tr>
<tr>
<td>08</td>
<td>8 (.32)</td>
<td>3 (.11)</td>
<td>12</td>
<td>16 (.65)</td>
<td>16</td>
<td>30 (.188)</td>
<td>21</td>
<td>38 (.150)</td>
</tr>
<tr>
<td>09</td>
<td>16 (.63)</td>
<td>4 (.24)</td>
<td>14 (.55)</td>
<td>18 (.71)</td>
<td>17</td>
<td>32 (.125)</td>
<td>22</td>
<td>40 (.157)</td>
</tr>
<tr>
<td>10</td>
<td>18 (.71)</td>
<td>5 (.19)</td>
<td>18 (.87)</td>
<td>20 (.79)</td>
<td>18</td>
<td>34 (.134)</td>
<td>23</td>
<td>42 (.165)</td>
</tr>
<tr>
<td>11</td>
<td>20 (.79)</td>
<td>7 (.28)</td>
<td>22 (.87)</td>
<td>30 (.188)</td>
<td>19</td>
<td>36 (.142)</td>
<td>24</td>
<td>44 (.173)</td>
</tr>
</tbody>
</table>

If grip falls between two choices, use the smaller option

Dimensions in millimeters (inch) unless otherwise stated

---

www.southco.com/E5
E5 Cam Latch
Glass-filled nylon · Tool or hand operated · Fixed grip

- Single hole install
- Corrosion-resistant materials

Material and Finish
Glass-filled nylon and Stainless steel

Performance Details
Average ultimate load: 300 N (68 lbf)

Installation Notes
Mounting nut
Maximum tightening torque: 4.25 N·m (38 in·lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories
See page 130

Part Number Selection
See table

Latch Part Number

E5 - 4 - H 3 - G 1

Grip table

<table>
<thead>
<tr>
<th>Total Grip</th>
<th>G</th>
<th>L</th>
<th>Max. Door Thickness for Assembled Latch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 (.63)</td>
<td>G</td>
<td>16</td>
<td>28.1 (1.1) 5 (.20)</td>
</tr>
<tr>
<td>18 (.71)</td>
<td>G</td>
<td>18</td>
<td>28.1 (1.1) 5 (.20)</td>
</tr>
<tr>
<td>20 (.79)</td>
<td>G</td>
<td>20</td>
<td>28.1 (1.1) 6 (.24)</td>
</tr>
<tr>
<td>22 (.87)</td>
<td>G</td>
<td>22</td>
<td>32 (1.26)  6 (.24)</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/E5
E5 Cam Latch
Zinc · Flush cup wing style · Hand operated · Fixed grip

- Low profile
- Multiple key code options

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

Performance Details
Maximum static load: 330 N (74 lbf)

Installation Notes
Mounting nuts 10-24 UNC (supplied) maximum tightening torque: 3 N·m (25 in·lbf)
Screw maximum tightening torque: 10 N·m (90 in·lbf)

Keys
See page 130

Notes
Two point push-to-close action: Internal spring causes return of wing knob and actuator to original latched position when wing knob is released after opening. Ideal for use with cables and rotary latches.

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

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

Type "A"
- Turn clockwise to latch

Type "B"
- Turn counter-clockwise to latch

**L Lock Styles**

- Non-locking
- Key-locking key code CH751
- Key-locking key code R001
- Key-locking (order lock core separately)

**Latch Part Number (no cam)**

- **E5 - 9 R - L 5 - A S - 1 K**

**Sealing option**

- 0: Non-sealing (when A = TR or TL)
- 1: Sealed (when A = UU or RR)

**Key options**

- 0: No keys supplied (order separately, see page 130)
- 3: Overmolded key supplied

**Assembly status**

- UU: Single point order cam separately
- RR: Two point (for use with rods) - actuator supplied
- TR: Type A two point push-to-close (order actuator separately)
- TL: Type B two point push-to-close (order actuator separately)

**L Lock Style**

- 30: Non-locking (omit last 2 digits from part number)
- 31: Key-locking black lock core keyed alike CH751
- 32: Key-locking stainless steel scalp and shuttered lock core keyed alike R001
- 33: Without lock core (omit last 2 digits from part number)

Order lock core separately, see page 158

**Cam Part Number Table (order separately from latch)**

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.7 (.89)</td>
<td>E5-6603</td>
<td>30.7 (1.21)</td>
<td>E5-6607</td>
</tr>
<tr>
<td>24.7 (.97)</td>
<td>E5-6604</td>
<td>32.7 (1.29)</td>
<td>E5-6608</td>
</tr>
<tr>
<td>26.7 (1.05)</td>
<td>E5-6605</td>
<td>34.7 (1.37)</td>
<td>E5-6609</td>
</tr>
<tr>
<td>28.7 (1.13)</td>
<td>E5-6606</td>
<td>36.7 (1.44)</td>
<td>E5-6610</td>
</tr>
</tbody>
</table>

If grip falls between two choices, use the smaller option

Dimensions in millimeters (inch) unless otherwise stated

**Part Number Selection**

See table

**Single point**

Order latch and cam separately

**Two point (for use with rods)**

Order latch only
(two point actuator supplied)

**Two point push-to-close action (spring loaded)**

Order latch and actuator separately.
Actuator part number A5-91-201-11, see page 131 for details.
To be used with SOUTHCO® R4 rotary series latches and cables see page 272.
E5 Cam Latch
Zinc · L-handle · Hand operated · Fixed grip

- Single hole install
- Multiple key codes

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

Performance Details
Maximum static load: 330 N (74 lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Installation Notes
Mounting nut: Maximum tightening torque:
10 N·m (88 in-lbf)
Screw maximum tightening torque:
10 N·m (90 in-lbf)

Keys
See page 130

Notes
Suitable for push-to-close action see page 128
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158
For adjustable grip versions see page 134

Part Number Selection
Order latch and cam separately

Latch Part Number
(no cam)

E5 - 9 - L F - UU1 - 1 K

Lock Style
L
Non-locking
Key-locking
Key code CH751
Key-locking
Key code R001
Key-locking
(order lock core separately)

Finish
F
2 Bright chrome
5 Black powder coated

Key options
K
0 No keys supplied
(order separately, see page 130)
3 1 Overmolded key supplied

Cam Part Number Table (order separately from latch)

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (.16)</td>
<td>E5-6003</td>
<td>14 (.55)</td>
<td>E5-6008</td>
<td>24 (.94)</td>
<td>E5-6013</td>
<td>34 (1.34)</td>
<td>E5-6018</td>
</tr>
<tr>
<td>6 (.24)</td>
<td>E5-6004</td>
<td>16 (.63)</td>
<td>E5-6009</td>
<td>26 (1.02)</td>
<td>E5-6014</td>
<td>36 (1.42)</td>
<td>E5-6019</td>
</tr>
<tr>
<td>8 (.31)</td>
<td>E5-6005</td>
<td>18 (.71)</td>
<td>E5-6010</td>
<td>28 (1.10)</td>
<td>E5-6015</td>
<td>38 (1.50)</td>
<td>E5-6020</td>
</tr>
<tr>
<td>10 (.39)</td>
<td>E5-6006</td>
<td>20 (.79)</td>
<td>E5-6011</td>
<td>30 (1.18)</td>
<td>E5-6016</td>
<td>40 (1.57)</td>
<td>E5-6021</td>
</tr>
<tr>
<td>12 (.47)</td>
<td>E5-6007</td>
<td>22 (.87)</td>
<td>E5-6012</td>
<td>32 (1.25)</td>
<td>E5-6017</td>
<td>42 (1.65)</td>
<td>E5-6022</td>
</tr>
</tbody>
</table>

If grip falls between two choices, use the smaller option
Dimensions in millimeters (inch) unless otherwise stated
**E5 Cam Latch**
Zinc · T-handle · Hand operated · Fixed grip

- **Single hole install**
- **Multiple key codes**

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

**Performance Details**
Maximum static load: 330 N (74 lbf)

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

**Installation Notes**
Mounting nut:
Maximum tightening torque: 10 N·m (88 in·lbf)
Screw:
Maximum tightening torque: 10 N·m (90 in·lbf)

**Keys**
See page 130

**Notes**
Suitable for push-to-close action see page 128
For adjustable grip versions see page 134
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158

**Part Number Selection**
Order latch and cam separately

---

**Cam Part Number Table (order separately from latch)**

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (.16)</td>
<td>E5-6003</td>
<td>14 (.55)</td>
<td>E5-6008</td>
<td>24 (.94)</td>
<td>E5-6013</td>
<td>34 (.134)</td>
<td>E5-6018</td>
</tr>
<tr>
<td>6 (.24)</td>
<td>E5-6004</td>
<td>16 (.63)</td>
<td>E5-6009</td>
<td>26 (1.02)</td>
<td>E5-6014</td>
<td>36 (1.42)</td>
<td>E5-6019</td>
</tr>
<tr>
<td>8 (.31)</td>
<td>E5-6005</td>
<td>18 (.71)</td>
<td>E5-6010</td>
<td>28 (1.10)</td>
<td>E5-6015</td>
<td>38 (1.50)</td>
<td>E5-6020</td>
</tr>
<tr>
<td>10 (.39)</td>
<td>E5-6006</td>
<td>20 (.79)</td>
<td>E5-6011</td>
<td>30 (1.18)</td>
<td>E5-6016</td>
<td>40 (1.57)</td>
<td>E5-6021</td>
</tr>
<tr>
<td>12 (.47)</td>
<td>E5-6007</td>
<td>22 (.87)</td>
<td>E5-6012</td>
<td>32 (1.25)</td>
<td>E5-6017</td>
<td>42 (1.65)</td>
<td>E5-6022</td>
</tr>
</tbody>
</table>

If grip falls between two choices, use the smaller option
Dimensions in millimeters (inch) unless otherwise stated

---

**Latch Part Number**
(no cam)

- **E5 - 9 - LF - UU1 - 1 K**

**Lock Style**
- Non-locking
- Key-locking key code CH751 with shutter
- Key-locking key code R001 separately

**Finish**
- 2 Bright chrome
- 5 Black powder coated

**Lock Style**
- 60 Non-locking (omit last two digits of part number)
- 61 Keyed CH751 (lock core finish matches handle finish)
- 62 Keyed R001 (stainless steel scalp shuttered)
- 63 Without lock core (omit last two digits of part number)
  Order lock core separately, see page 158

**Key Options**
- 0 No keys supplied (order separately, see page 130)
- 3 1 Overmolded key supplied

---

**Notes**
- Dimensions in millimeters (inch) unless otherwise stated
- Suitable for push-to-close action see page 128
- For adjustable grip versions see page 134
- For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158

---

**www.southco.com/E5**
E5 Cam Latch
Zinc · Wing style · Fixed grip

- Single hole install
- Multiple key codes
- Easy finger grip

Material and Finish
Wing: Zinc alloy, black powder coated and steel, zinc plated

Performance Details
Maximum static load: 330 N (74 lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Installation Notes
Mounting nut maximum tightening torque: 10 N·m (88 in-lbf)
Screw Maximum tightening torque: 5 N·m (45 in-lbf)

Keys
See page 130

Notes
Wing style suitable for push-to-close action see page 128
For lock core selection and a complete overview of the SOUTHCO® Key-Choice System see page 158

Part Number Selection
Order latch and cam separately

Latch Part Number
(no cam)

E5 - 9 - L 5 - UU1 - 1 K

Key options
0 No keys supplied
(order separately, see page 130)
3 1 Overmolded key supplied

Lock Styles
Non-locking
Key-locking key code CH751
Key-locking key code R001 with shutter
Key-locking lock core (order separately)
Padlockable Version

Cam Part Number

E5 - 6 L G

Grip
4 (.16)
6 (.24)
8 (.31)
10 (.39)
12 (.47)

03
04
05
06
07

14 (.55)
16 (.63)
18 (.71)
20 (.79)
22 (.87)

08
09
10
11
12

24 (.94)
26 (1.02)
28 (1.10)
30 (1.18)
32 (1.25)

13
14
15
16
17

34 (1.34)
36 (1.42)
38 (1.50)
40 (1.57)
42 (1.65)

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch
Zinc · Cylinder lock · Fixed grip

- Single hole install
- Latched / unlatched indicator

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

Performance Details
Maximum static load: 330 N (74 lbf)

Installation Notes
Mounting nut maximum tightening torque: 10 N·m (88 in-lbf)
Screw Maximum tightening torque: 5 N·m (45 in-lbf)

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories
See page 130

Notes
Suitable for push-to-close action
See page 128.
See page 126 for cam part numbers

Part Number Selection
See table
Order latch and cam separately

Finish
- 2 Bright chrome
- 5 Black powder coated

Latch Part Number
(no cam)

Key options CH751
- 0 No keys supplied (order separately, see page 130)
- 2 2 Flat keys supplied

E5 - 5 - 40 F - UU1 - 1 K

Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/E5
E5 Cam Latch
Zinc · Push-to-close · Hand, key or tool operated · Single and two point

- Single hole installation
- Latched / unlatched indicator
- Push-to-close action

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

Performance Details
Maximum static load: 330 N (74 lbf)

Installation Notes
Mounting nut maximum tightening torque: 10 N·m (88 in-lbf)
Screw Maximum tightening torque: 5 N·m (45 in-lbf) for two point actuator only

Keys and Accessories
See page 130

Notes
Single Point: Push-to-close action in unlocked position only and key inserted (cylinder lock)

Two Point: Order actuator separately (see page 131)
For lock core selection and a complete overview of the SOUTHCOR® Key-Choice System see page 158

Actuator Part Number
See page 131 for details

Two point to be used with SOUTHCOR® R4 rotary series latches and cables see page 272
Two point push to close action: Internal spring causes return of driver and actuator to original latched position when driver is released after opening. Ideal for use with cables and rotary latches.

www.southco.com/E5

Dimensions in millimeters (inch) unless otherwise stated
Hand / Key Operated

**Finish**
- 2 Bright chrome (not available for wing type)
- 5 Black powder coated

**Type**
- 5 Cylinder lock keyed alike CH751
- 9 Wing / T-handle / L-handle

**Head Styles**
- 00 Slotted
- 01 8 (.32) Hex recess
- 02 7 (.28) Triangle
- 03 8 (.32) Triangle
- 04 7 (.28) Square
- 05 8 (.32) Square
- 06 3 (.11) Double bit
- 07 5 (.19) Double bit
- 08 8 (.32) Square recess

**Part Number Selection**
Latch supplied fully assembled

**Rotation**
- 51 Type A single point (for visual identification cam stamped A or B)
- 52 Type B single point (for visual identification cam stamped A or B)
- TR Type A two point (order actuator separately)
- TL Type B two point (order actuator separately)

**Key options**
- 0 No keys supplied (order separately, see page 130)
- 3 1 Overmolded key supplied

**Lock style**

<table>
<thead>
<tr>
<th>Cylinder Lock</th>
<th>Wing</th>
<th>T-handle</th>
<th>L-handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-locking</td>
<td>~</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>Keyed CH751</td>
<td>~</td>
<td>31</td>
<td>61</td>
</tr>
<tr>
<td>Keyed CH751</td>
<td>40</td>
<td>~</td>
<td>~</td>
</tr>
<tr>
<td>Keyed R001 reversible</td>
<td>~</td>
<td>32</td>
<td>62</td>
</tr>
<tr>
<td>Without lock core</td>
<td>~</td>
<td>33</td>
<td>63</td>
</tr>
</tbody>
</table>

**Tool Operated**

**Head Styles**
- Slotted 8 (.32) Hex recess
- 7 (.28) Triangle
- 8 (.32) Square
- 7 (.28) Square
- 3 (.11) Double bit
- 5 (.19) Double bit
- 8 (.32) Square recess

**Part Number Selection**
Latch supplied fully assembled

**Finish**
- 2 Bright chrome
- 5 Black powder coated

**Head Style**
- 00 Slotted
- 01 8 (.32) Hex recess
- 02 7 (.28) Triangle
- 03 8 (.32) Triangle
- 04 7 (.28) Square
- 05 8 (.32) Square
- 06 3 (.11) Double bit
- 07 5 (.19) Double bit
- 08 8 (.32) Square recess
- 13 Bellcore 216
- 19 Bellcore electronics
- 21 Recessed slot (tamper resistant)
- 22 Railway standard

**Rotation**
- 51 Type A single point (for visual identification, cam stamped A or B)
- 52 Type B single point (for visual identification, cam stamped A or B)
- TR Type A two point (order actuator separately)
- TL Type B two point (order actuator separately)

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch
Zinc · Tool or hand operated · Fixed grip · Mini size

- Single hole install
- Compact size
- Minimal panel intrusion

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

Performance Details
Maximum static load: 130 N

Installation Notes
Mounting nut maximum tightening torque: 5 N-m
Screw Maximum tightening torque: 1 N-m

Sealing Notes
NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories
See page 130

Part Number Selection
Order latch and cam separately

Latch Part Number (no cam)
E5 - M - H 5 -UU1

Head Styles
- Slotted
- 6 Square
- 6 Triangle
- 6 Hex Recess
- Wing Knob

Cam Part Number Table (order separately from latch)

<table>
<thead>
<tr>
<th>Grip</th>
<th>Part Number</th>
<th>Grip</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>E5-3005</td>
<td>16</td>
<td>E5-3011</td>
</tr>
<tr>
<td>6</td>
<td>E5-3006</td>
<td>18</td>
<td>E5-3012</td>
</tr>
<tr>
<td>8</td>
<td>E5-3007</td>
<td>20</td>
<td>E5-3013</td>
</tr>
<tr>
<td>10</td>
<td>E5-3008</td>
<td>22</td>
<td>E5-3014</td>
</tr>
<tr>
<td>12</td>
<td>E5-3009</td>
<td>24</td>
<td>E5-3015</td>
</tr>
<tr>
<td>14</td>
<td>E5-3010</td>
<td>26</td>
<td>E5-3016</td>
</tr>
</tbody>
</table>

Dimensions in millimeters unless otherwise stated

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E5
E5 Cam Latch Accessories
Keys and Flush Mount Bracket

Material and Finish
Tool key: Zinc alloy or nylon
Overmoulded key: Nickel plated and ABS plastic black
Flat key: Nickel plated

Overmoulded Keys
Key CH751

Flat Keys
Key CH751

Key Part Number
Overmoulded key CH751:
Single: PK-10-10-05
Pair: PK-10-01-05

Overmoulded key R001:
Single: PK-10-10-05-KR001
Pair: PK-10-01-05-KR001

Flat key
Pair: PK-10-01

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

Notes
For use with tool operated standard series cam latches, see pages 118-119, 121, 127
See page 91 for door preparation dimensions

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/E5

Keys Zinc or Nylon

<table>
<thead>
<tr>
<th>Head style</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3 Double bit</td>
</tr>
<tr>
<td>3</td>
<td>7 Triangle</td>
</tr>
<tr>
<td>4</td>
<td>7 Square</td>
</tr>
<tr>
<td>7</td>
<td>8 Triangle</td>
</tr>
<tr>
<td>8</td>
<td>8 Square recess</td>
</tr>
<tr>
<td>9</td>
<td>5 Double bit (nylon only)</td>
</tr>
<tr>
<td>10</td>
<td>8 Square male (zinc only)</td>
</tr>
<tr>
<td>11</td>
<td>Bellcore electronics</td>
</tr>
<tr>
<td>12</td>
<td>Bellcore 216 (zinc only)</td>
</tr>
<tr>
<td>14</td>
<td>Railway Standard (zinc only)</td>
</tr>
</tbody>
</table>

Keys Nylon

<table>
<thead>
<tr>
<th>Head style</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>6 Triangle</td>
</tr>
<tr>
<td>20</td>
<td>6 Square</td>
</tr>
</tbody>
</table>

Head Styles

<table>
<thead>
<tr>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

Flush Mount Bracket

To calculate the Total Grip, use the following formula:
Frame Thickness + Compressed Gasket - A

Use this Total Grip with the appropriate E5 tables in the SOUTHCO® Handbook to determine cam type.

Dimensions in millimeters unless otherwise stated
Multi-Point Actuator

- Ø 6.1 (.24)
- 15.2 (.59)
- 18.7 (.7)
- 51 (2.0)

Material and Finish
- Zinc alloy

Notes
- Actuator plate (for multi-point see page 272 for cable assembly)
- (Not recommended for Cylinder Lock version)
- Not to be used with low profile E5

Part Number
- A5-91-201-11

Multi-Point Actuator - Low Profile

- Ø 6.2 (.24)
- 59 (2.32)
- 23 (.9)
- 17.2 (.67)

Material and Finish
- Steel, plated

Notes
- Actuator plate (for multi-point see pages 198-199 for rods)
- For use with all E5 latches

Part Number
- A8-4-01-03

Multi-Point Actuator

- Ø 8.6 (.33)
- 22.2 (.87)
- 4.6 (1.8)
- 91.6 (3.6)
- 8.1 (.31)
- 18 (.7)
- 28.8 (1.13)

Material and Finish
- Zinc alloy and steel, zinc plated

Notes
- Actuator plate (for multi-point see page 198 for rods)
- Not to be used with low profile E5

Part Number
- A5-90-101-11

Dummy Cam

- Ø 17 (.67)
- 2X 8.1 (.32)
- 8.5 (.33)
- 3.8 (.15)

Material and Finish
- Steel, stainless steel

Notes
- Replaces cam when used with actuator plate A5-90-101-11 in order to create a 2-point latching system

Part Number

| Steel     | H3-0-45688 |
| Stainless Steel | H3-0-45688-24 |

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch Accessories
Hooked cam · Multi-point actuator · Cable brackets

Material and Finish
Steel plated
Hook cam: Steel, plated
Multi-point actuator: Zinc alloy, plated
Cable bracket: Steel, plated

Notes
Not to be used with low profile E5

Hooked Cam

Multi-Point Actuator

Cable Bracket – Counter Clockwise Rotation

Cable Bracket – Clockwise Rotation

Hooked Cam Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5-6200</td>
<td>No stop</td>
</tr>
<tr>
<td>E5-6210</td>
<td>Stop for clockwise rotation</td>
</tr>
<tr>
<td>E5-6220</td>
<td>Stop for counter-clockwise rotation</td>
</tr>
</tbody>
</table>

Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5-99-136</td>
<td>See Table</td>
</tr>
<tr>
<td>AC-0-49617-11-L</td>
<td>See page 272 for additional cable assembly selections</td>
</tr>
</tbody>
</table>

Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-0-49617-11-L</td>
<td>See Table</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
E5 Cam Latch Accessories
Sealing cover · Sealing washer · Pull tab · Padlock bracket

**Sealing Cover**

**Sealing Washer**

**Material and Finish**
- Sealing washer: Neoprene natural
- Sealing cover: Thermoplastic elastomer, black

**Installation Notes**
To provide sealing: use two sealing washers and add compressed thickness of each washer and accessory thickness to your door thickness range.

**Notes**
- Sealing washer for use with all E5 products
- Sealing cover for use with tool operated and cylinder lock E5 only

**Part Number**
See table

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

**Installation Notes**
To provide sealing: use two sealing washers and add compressed thickness of each washer and accessory thickness to your door thickness range.

**Notes**
- Padlock brackets and pull tabs for use with tool operated and cylinder lock E5 only

---

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Grip Adjustment Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sealing washer</td>
<td>E5-17</td>
<td>Add 0.4 (0.02) compressed height to door thickness</td>
</tr>
<tr>
<td>Sealing cover</td>
<td>90-3</td>
<td>Add 2.3 (0.090) to door thickness</td>
</tr>
<tr>
<td>Pull tab</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type**

- Sealing washer: Ø 28.7 (1.13)
- Sealing cover: Ø 22.6 (0.89)
- Pull tab: 24.5 (.96)
- Padlock bracket (Round): Ø 22.5 (.88)
- Padlock bracket (Square): Ø 11 (.43)

**Part Number**
See table

Dimensions in millimeters (inch) unless otherwise stated