



E5 Cam Latches

Overview

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



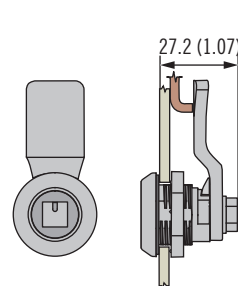
Glass-filled
nylon, black



304
Stainless steel

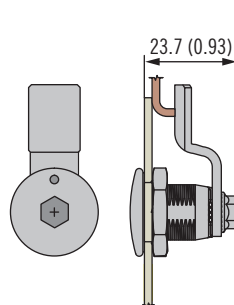
➤ Select one of these four styles to fit your access requirements

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



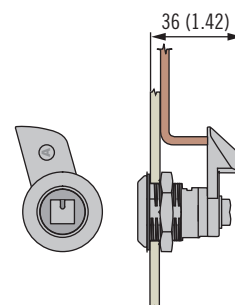
E5 Standard

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



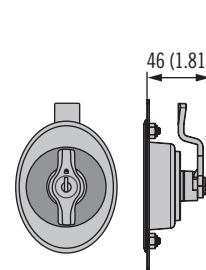
E5 Low Profile

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



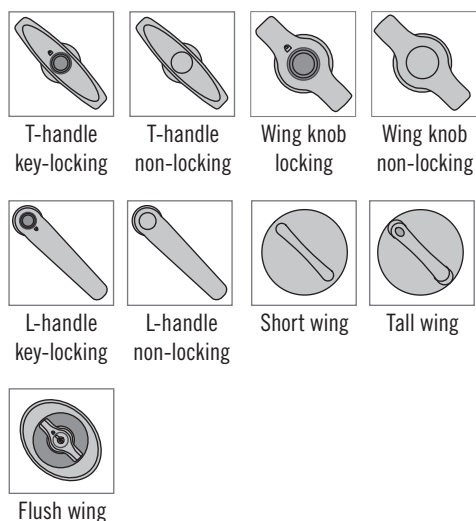
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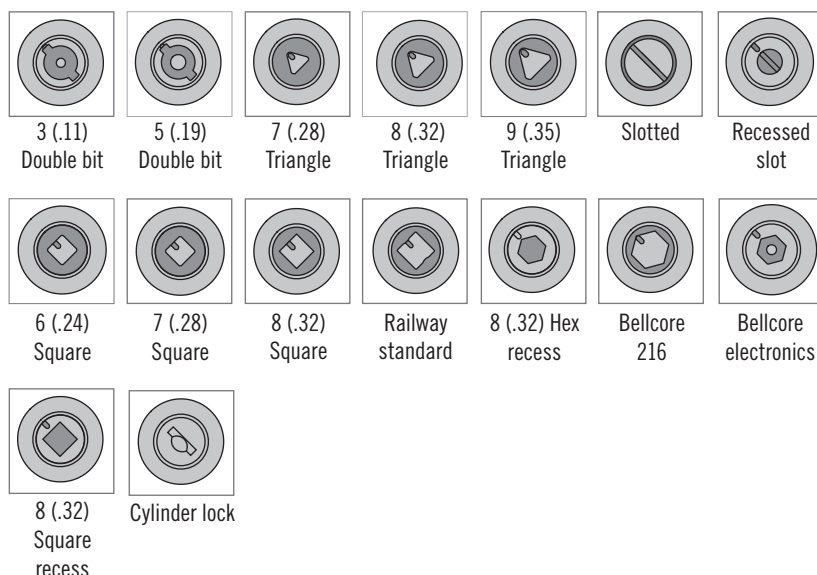
➔ Choose from a wide range of operating styles to fit application and industry requirements.

- ➔ 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

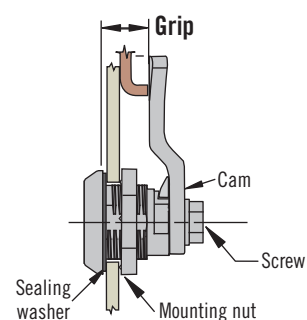


Tool / key operable



➔ Determine your grip options for a perfect fit

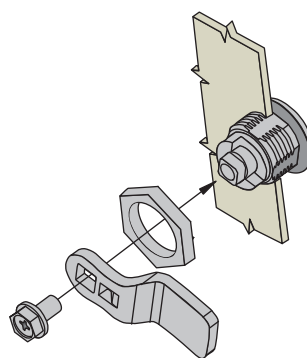
Total grip includes the dimensions of all elements in-between the mounting surface of the latch and the latch's contact surface on the frame - including door thickness, compressed seals and gaskets, accessories, frame offset, etc.



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.

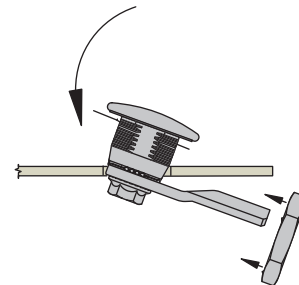
Installation

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.



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)

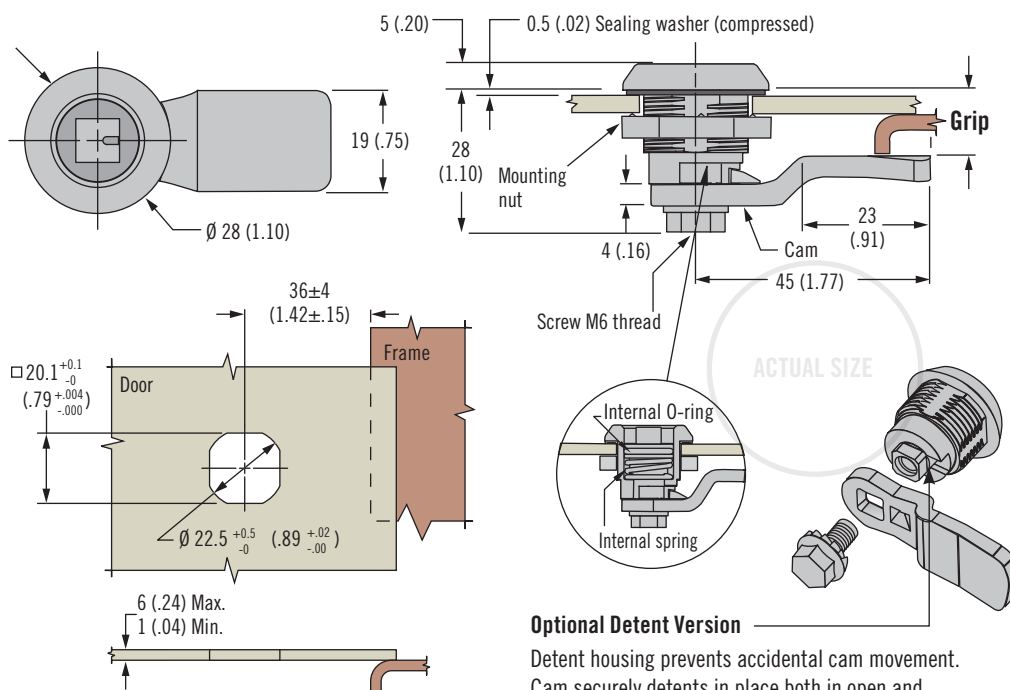
Keys and Accessories

See page 130

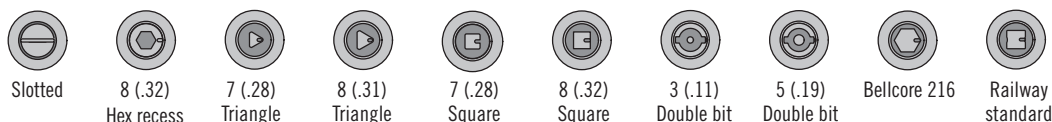
Part Number Selection

See table

Order latch and cam separately



H Head Styles



Optional Detent Version

Detent housing prevents accidental cam movement. Cam securely detents in place both in open and closed positions.

Latch Part Number (no cam)

E5 - B - H M - UU1

B Body

6 Normal housing

32 Detented housing

H Head style

00 Slotted

01 8 (.32) Hex recess

02 7 (.28) Triangle

03 8 (.32) Triangle

04 7 (.28) Square

M Material

24 304 Stainless steel

27 316 Stainless steel

05 8 (.32) Square

06 3 (.11) Double bit

07 5 (.19) Double bit

13 Bellcore 216

22 Railway standard

Cam Part Number Table (order separately from latch)

Grip +2(.08) - 0 (.00)	Part Number		Grip +2(.08) - 0 (.00)	Part Number		Grip +2(.08) - 0 (.00)	Part Number		Grip +2(.08) - 0 (.00)	Part Number	
	304 Stainless steel	316 Stainless steel		304 Stainless steel	316 Stainless steel		304 Stainless steel	316 Stainless steel		304 Stainless steel	316 Stainless steel
4 (.16)	E5-8003	E5-9003	14 (.55)	E5-8008	E5-9008	24 (.94)	E5-8013	E5-9013	34 (1.34)	E5-8018	E5-9018
6 (.24)	E5-8004	E5-9004	16 (.63)	E5-8009	E5-9009	26 (1.02)	E5-8014	E5-9014	36 (1.42)	E5-8019	E5-9019
8 (.31)	E5-8005	E5-9005	18 (.71)	E5-8010	E5-9010	28 (1.10)	E5-8015	E5-9015	38 (1.50)	E5-8020	E5-9020
10 (.39)	E5-8006	E5-9006	20 (.79)	E5-8011	E5-9011	30 (1.18)	E5-8016	E5-9016	40 (1.57)	E5-8021	E5-9021
12 (.47)	E5-8007	E5-9007	22 (.87)	E5-8012	E5-9012	32 (1.25)	E5-8017	E5-9017	42 (1.65)	E5-8022	E5-9022



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Dimensions in millimeters (inch) unless otherwise stated

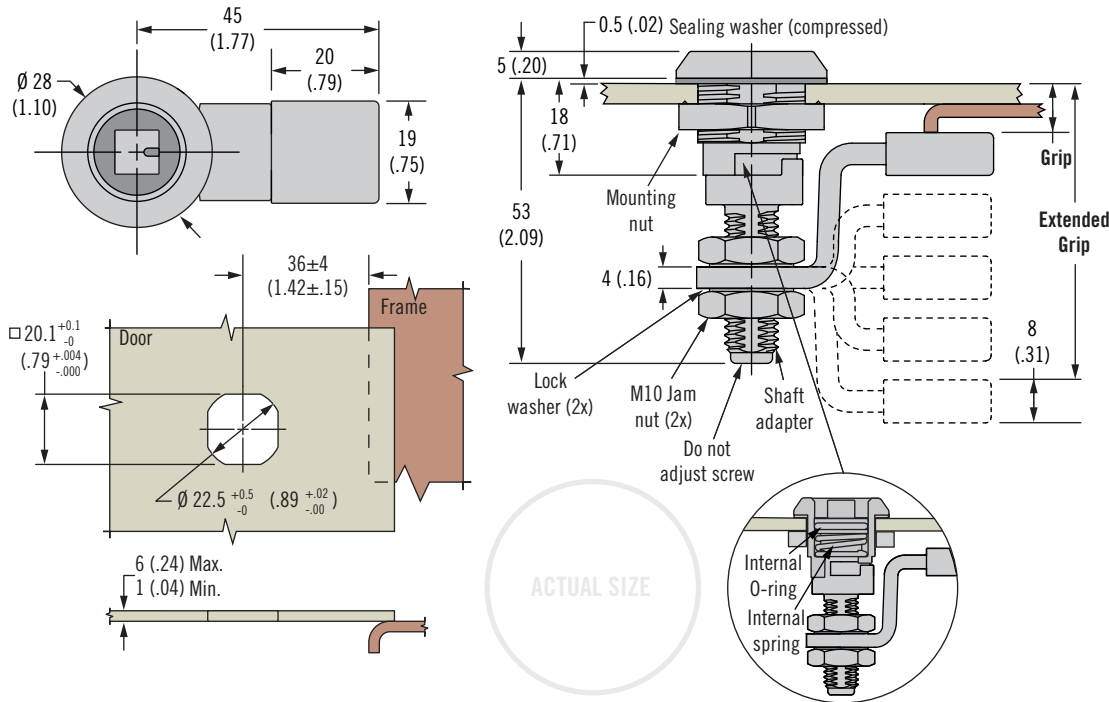
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E5 Cam Latch

Zinc · Tool operated · Adjustable grip



118A



- 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

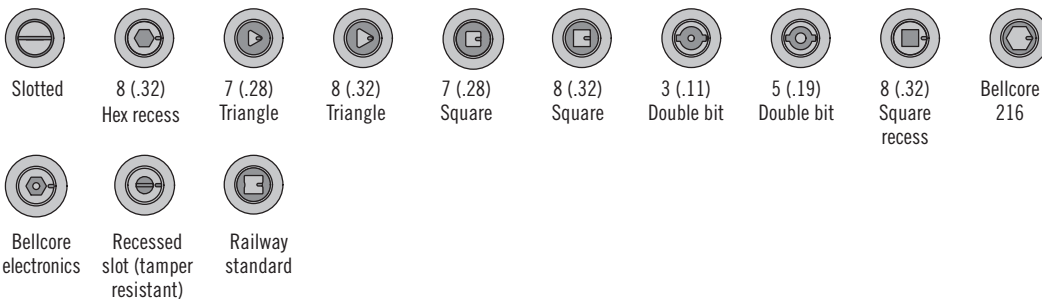
See page 130

Part Number Selection

See table

Order latch and cam separately

H Head Styles



Latch Part Number (no cam)

E5 - 6 - H F - 01

F Finish

- 2 Bright chrome
- 5 Black powder coated

H 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

Cam Part Number Table (order separately from latch)

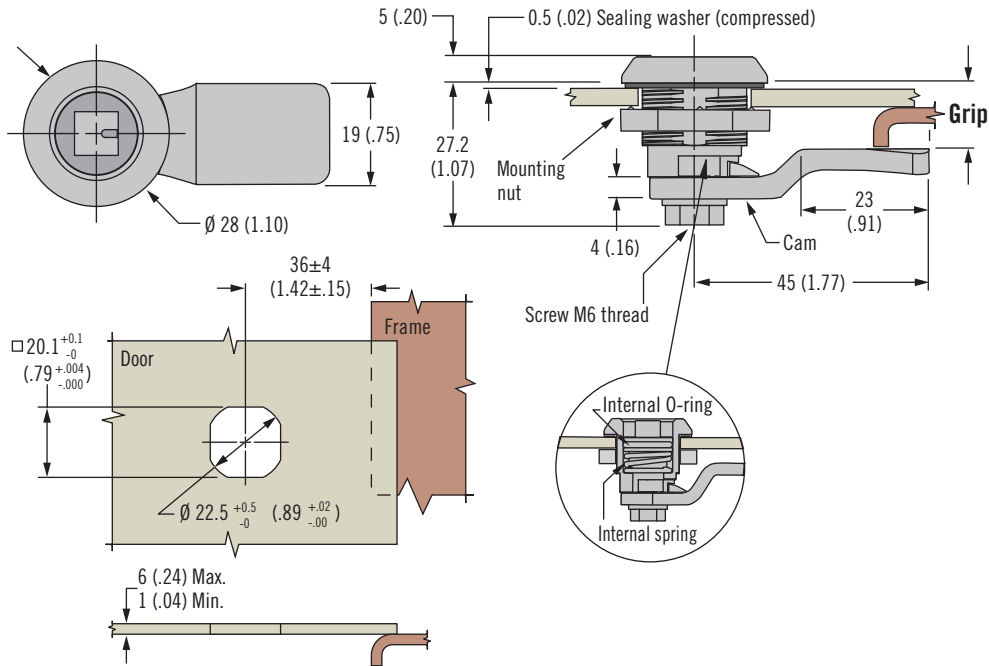
Minimum Grip +2(.08) - 0 (.00)	Maximum Grip +2(.08) - 0 (.00)	Cam Type	Part Number
5 (.20)	16.5 (.65)	Deep Offset Cam, Forward	E5-4001
51 (2.01)	62.5 (2.46)	Deep Offset Cam, Reversed	
16.5 (.65)	28 (1.10)	Offset Cam, Forward	E5-4002
39.5 (1.56)	51 (2.01)	Offset Cam, Reversed	
28 (1.10)	39.5 (1.56)	Straight Cam	E5-4003

E5 Cam Latch

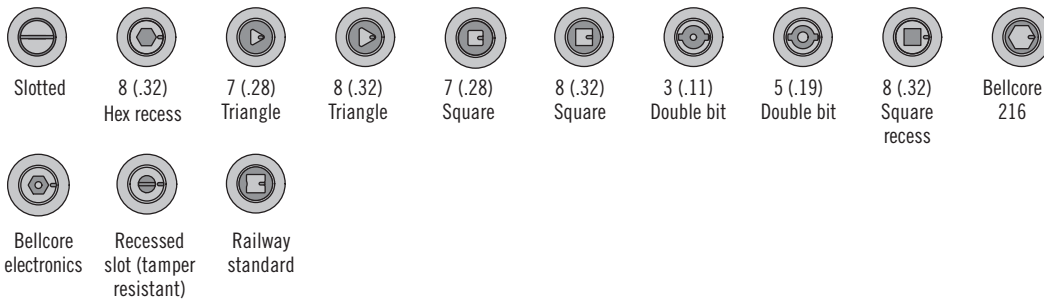
Zinc · Tool operated · Fixed grip



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H Head Styles



Latch Part Number (no cam)

E5 - 6 - H F - UU1

F Finish

- 2 Bright chrome
- 5 Black powder coated

H 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

Cam Part Number Table (order separately from latch)

Grip +2(.08) - 0 (.00)	Part Number	Grip +2(.08) - 0 (.00)	Part Number	Grip +2(.08) - 0 (.00)	Part Number	Grip +2(.08) - 0 (.00)	Part Number
4 (.16)	E5-6003	14 (.55)	E5-6008	24 (.94)	E5-6013	34 (1.34)	E5-6018
6 (.24)	E5-6004	16 (.63)	E5-6009	26 (1.02)	E5-6014	36 (1.42)	E5-6019
8 (.31)	E5-6005	18 (.71)	E5-6010	28 (1.10)	E5-6015	38 (1.50)	E5-6020
10 (.39)	E5-6006	20 (.79)	E5-6011	30 (1.18)	E5-6016	40 (1.57)	E5-6021
12 (.47)	E5-6007	22 (.87)	E5-6012	32 (1.25)	E5-6017	42 (1.65)	E5-6022

- 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



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)

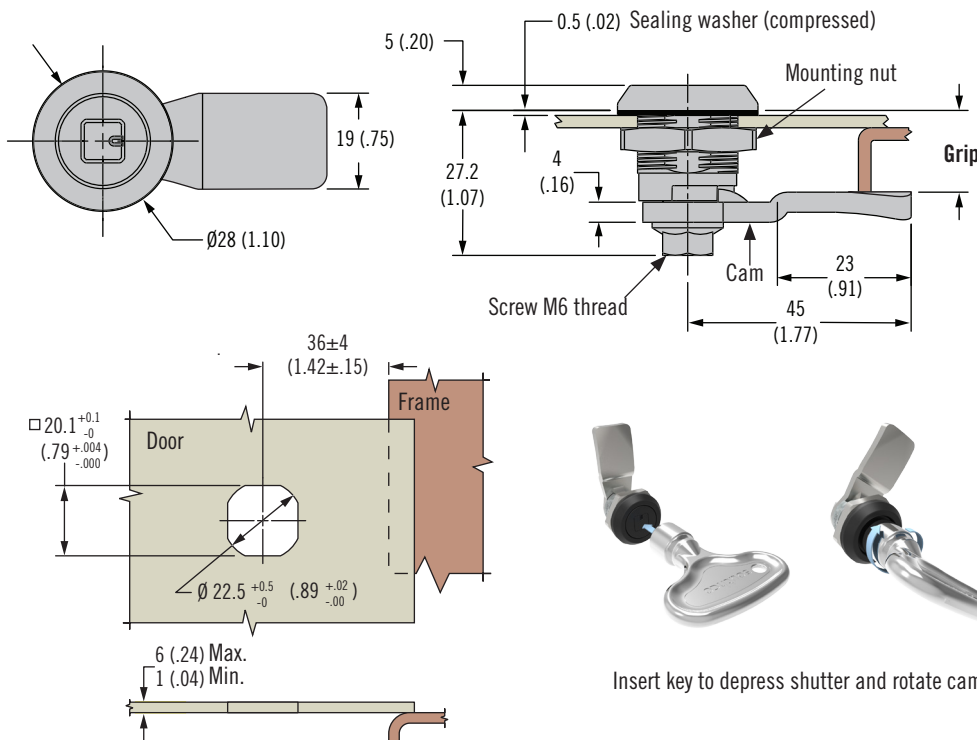
Screw Maximum tightening torque: 5 N·m (45 in·lbf)

Sealing Notes

NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories

See page 130



H Head Styles



Part Number Selection

See table

Order latch and cam separately

Latch Part Number (no cam)

E5 - 8 - H F - UU1

F Finish

- 2 Bright chrome
- 5 Black powder coated

H Head style

- 02 7 (.28) Triangle
- 03 8 (.32) Triangle
- 04 7 (.28) Square
- 05 8 (.32) Square
- 13 Bellcore 216

Cam Part Number Table (order separately from latch)

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



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Dimensions in millimeters (inch) unless otherwise stated

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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

Part Number Selection

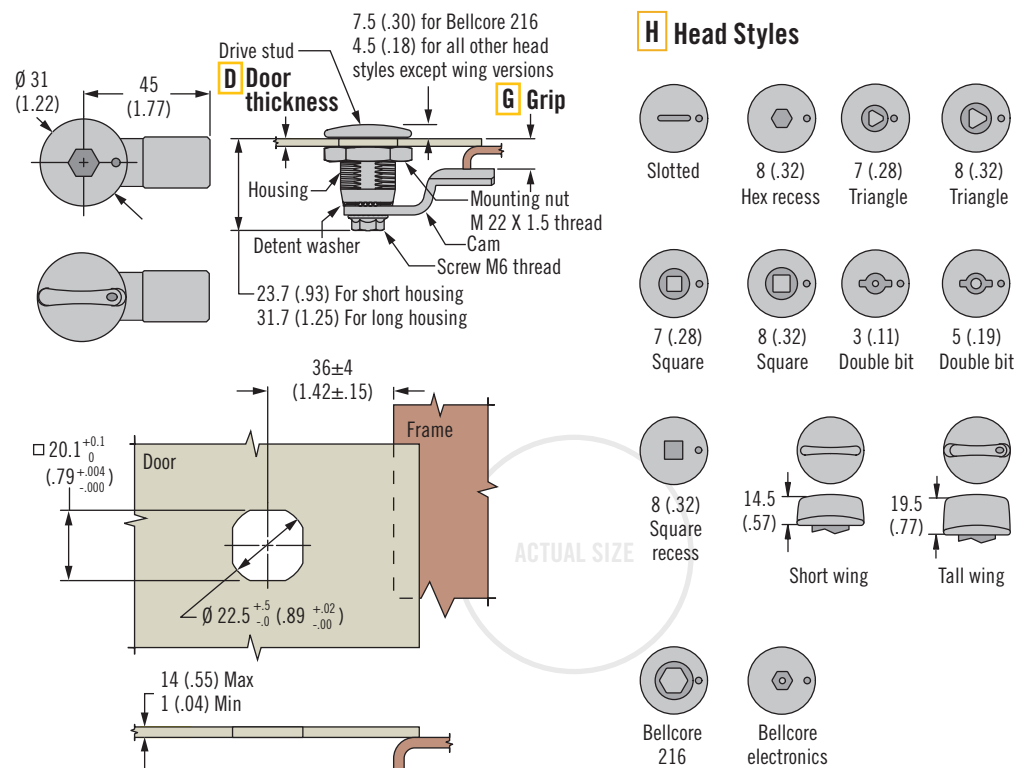
See table

Latch is shipped fully assembled

For door thicknesses

1 - 6 (.039 - .236) grip must exceed door thickness by 4 (.157) for assembled installation

When sealing option is selected, add 0.4 (.02) to grip calculation to accommodate sealing washer



H Head style

- | | | | |
|----|--------------------|----|-----------------------|
| 00 | Slotted | 07 | 5 (.19) Double bit |
| 01 | 8 (.32) Hex recess | 08 | 8 (.32) Square recess |
| 02 | 7 (.28) Triangle | 11 | Short wing |
| 03 | 8 (.32) Triangle | 12 | Tall wing |
| 04 | 7 (.28) Square | 13 | Bellcore 216 |
| 05 | 8 (.32) Square | 19 | Bellcore Electronics |
| 06 | 3 (.11) Double bit | | |

F Finish

- | | |
|---|---------------------|
| 1 | Textured chrome |
| 5 | Black powder coated |

D Door thickness range

- | | |
|---|--|
| 1 | 1 - 6 (.039 - .236) (short housing supplied) |
| 2 | 1 - 14 (.039 - .551) (long housing supplied) |

G Grip table

G	Grip		G	Grip		G	Grip		G	Grip	
	Short housing	Long housing		Short housing	Long housing		Short housing	Long housing		Short housing	Long housing
00	Do not use	6 (.24)	05	8 (.31)	16 (.63)	10	18 (.71)	26 (1.02)	15	28 (1.10)	36 (1.42)
01	Do not use	8 (.31)	06	10 (.39)	18 (.71)	11	20 (.79)	28 (1.10)	16	30 (1.18)	38 (1.50)
02	2 (.08)	10 (.39)	07	12 (.47)	20 (.79)	12	22 (.87)	30 (1.18)	17	32 (1.25)	40 (1.57)
03	4 (.16)	12 (.47)	08	14 (.55)	22 (.87)	13	24 (.94)	32 (1.25)	18	34 (1.34)	42 (1.65)
04	6 (.24)	14 (.55)	09	16 (.63)	24 (.94)	14	26 (1.02)	34 (1.34)	19	36 (1.42)	44 (1.73)

If grip falls between two choices, use the smaller option

Dimensions in millimeters (inch) unless otherwise stated



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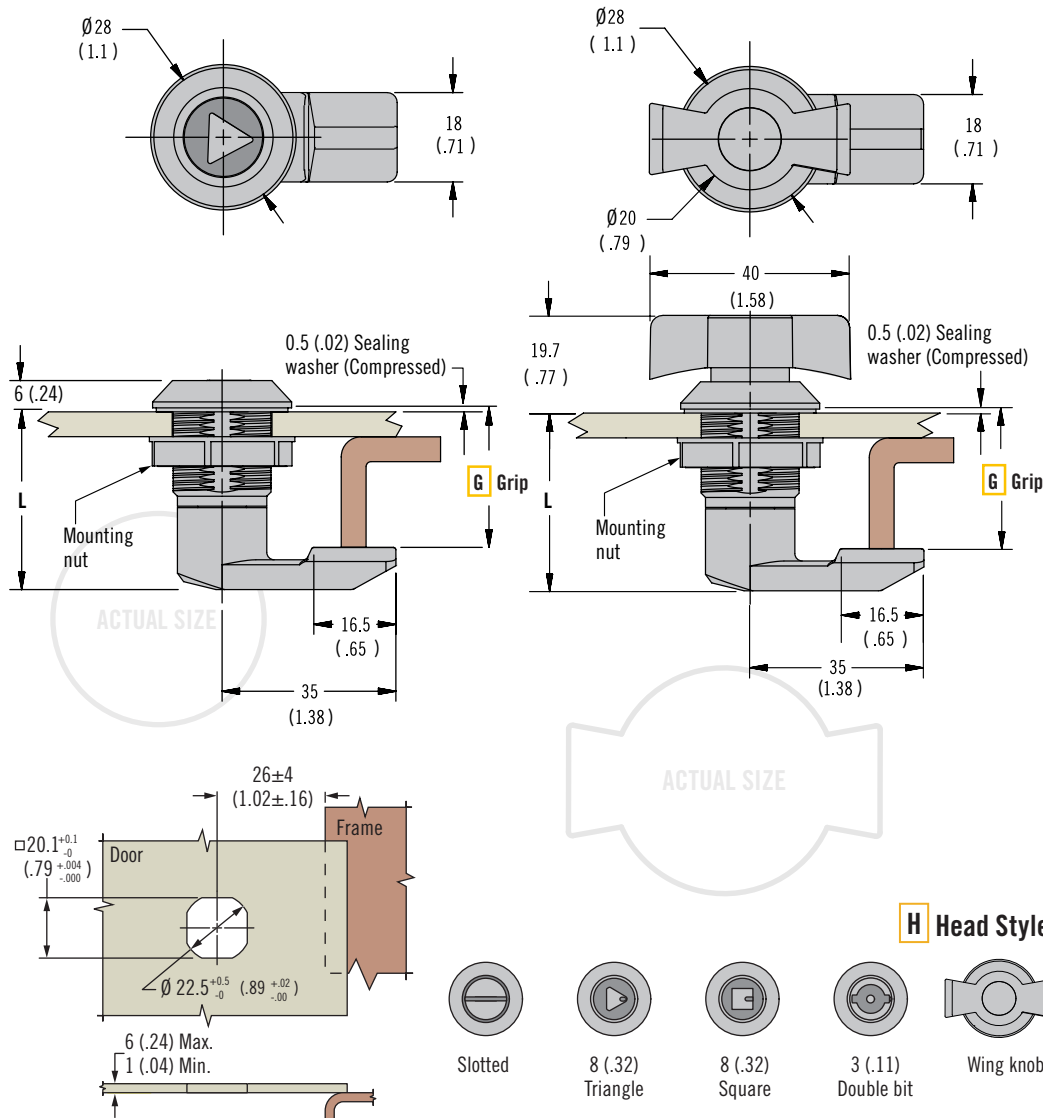
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E5 Cam Latch

Glass-filled nylon · Tool or hand operated · Fixed grip



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- 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

Latch Part Number

E5 - 4 - H 3 - G 1

H Head style

- 00 Slotted
- 03 8 (.32) Triangle
- 05 8 (.32) Square
- 06 3 (.11) Double bit
- 30 Wing knob

Part Number Selection

See table

G Grip table											
Total Grip	G	L	Max. Door Thickness for Assembled Latch	Total Grip	G	L	Max. Door Thickness for Assembled Latch	Total Grip	G	L	Max. Door Thickness for Assembled Latch
16 (.63)	16	28.1 (1.1)	5 (.20)	24 (.94)	24	34.6 (1.36)	6 (.24)	30 (1.18)	30	40.6 (1.6)	6 (.24)
18 (.71)	18	28.1 (1.1)	5 (.20)	25 (.98)	25	35.6 (1.4)	6 (.24)	32 (1.26)	32	42.6 (1.68)	6 (.24)
20 (.79)	20	28.1 (1.1)	6 (.24)	26 (1.02)	26	36.6 (1.44)	6 (.24)	34 (1.34)	34	44.6 (1.76)	6 (.24)
22 (.87)	22	32 (1.26)	6 (.24)	28 (1.10)	28	38.6 (1.52)	6 (.24)	36 (1.42)	36	46.6 (1.83)	6 (.24)



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

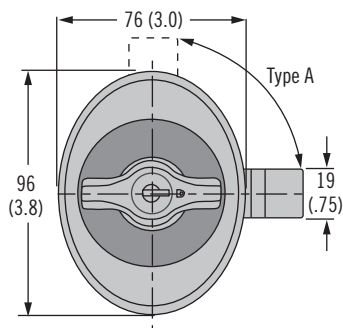
See page 130

Notes

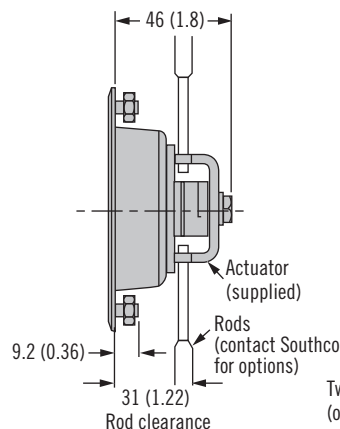
Two point push-to-close action:
Internal spring causes return of
wing knob and actuator to original
latched position when wing knob is
released after opening. Ideal for use
with cables and rotary latches.

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

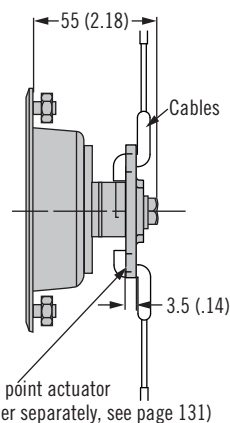
Single Point



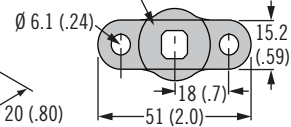
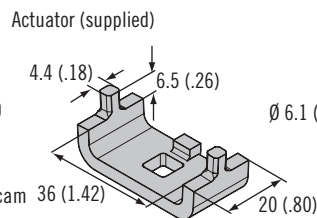
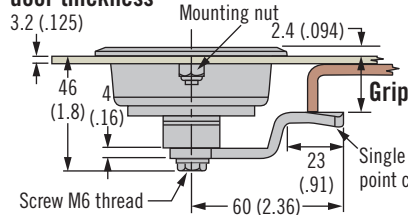
Two Point (for use with rods)



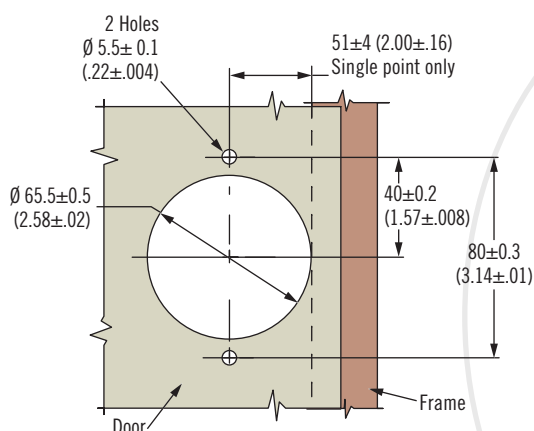
Two Point Push-to-Close Action (spring-loaded)



Maximum door thickness

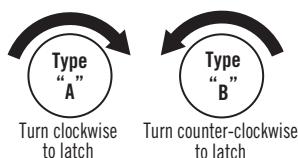
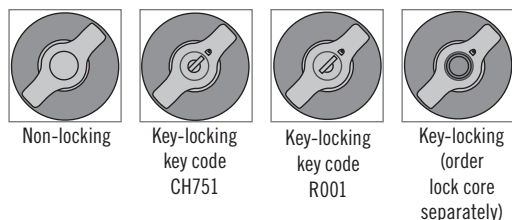


Type A (reverse frame for type B)

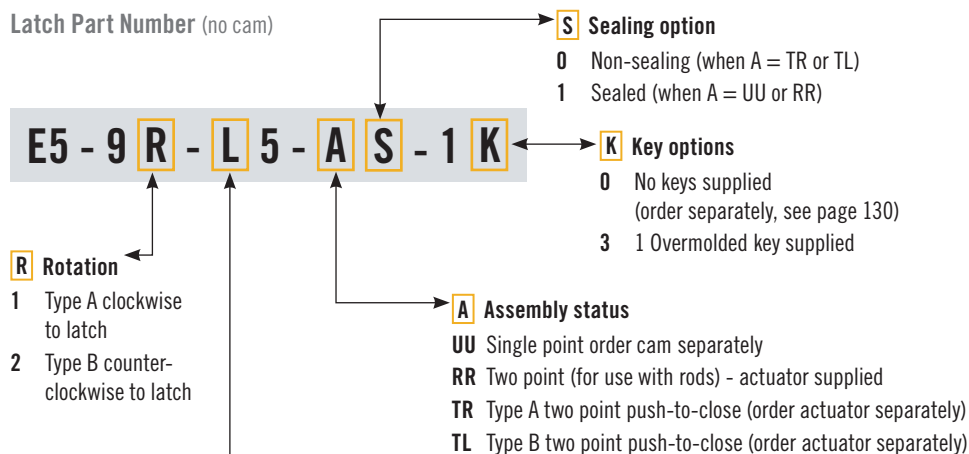


ACTUAL SIZE

Dimensions in millimeters (inch) unless otherwise stated

R Rotation**L** Lock Styles

Latch Part Number (no cam)



Cam Part Number Table (order separately from latch)

Grip	Part Number	Grip	Part Number
22.7 (.89)	E5-6603	30.7 (1.21)	E5-6607
24.7 (.97)	E5-6604	32.7 (1.29)	E5-6608
26.7 (1.05)	E5-6605	34.7 (1.37)	E5-6609
28.7 (1.13)	E5-6606	36.7 (1.44)	E5-6610

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

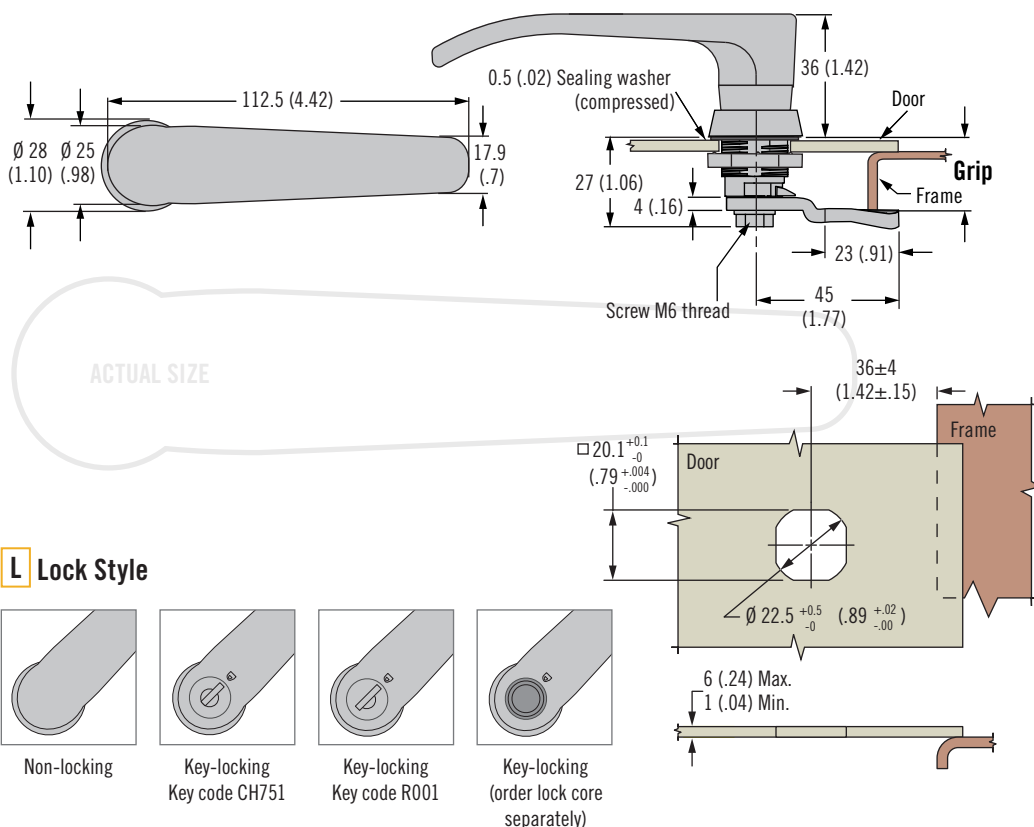
Suitable for push-to-close action see page 128

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

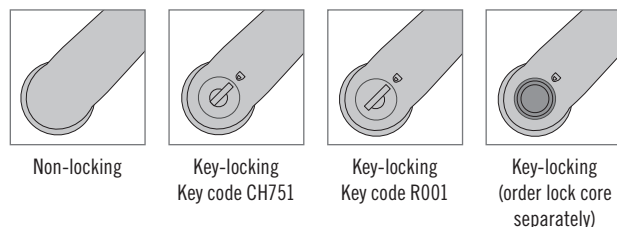
For adjustable grip versions see page 134

Part Number Selection

Order latch and cam separately



L Lock Style



Latch Part Number
(no cam)

E5 - 9 - L F - UU1 - 1 K

F Finish

- 2 Bright chrome
- 5 Black powder coated

L Lock style

- 70 Non-locking (omit last two digits of part number)
 - 71 Keyed CH751 (lock core finish matches handle finish)
 - 72 Keyed R001 (stainless steel scalp shuttered)
 - 73 Without lock core (omit last two digits of part number)
- Order lock core separately, see page 158

K Key options

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

Cam Part Number Table (order separately from latch)

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

If grip falls between two choices, use the smaller option

Dimensions in millimeters (inch) unless otherwise stated



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E5 Cam Latch

Zinc · T-handle · Hand operated · Fixed grip



125

- 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

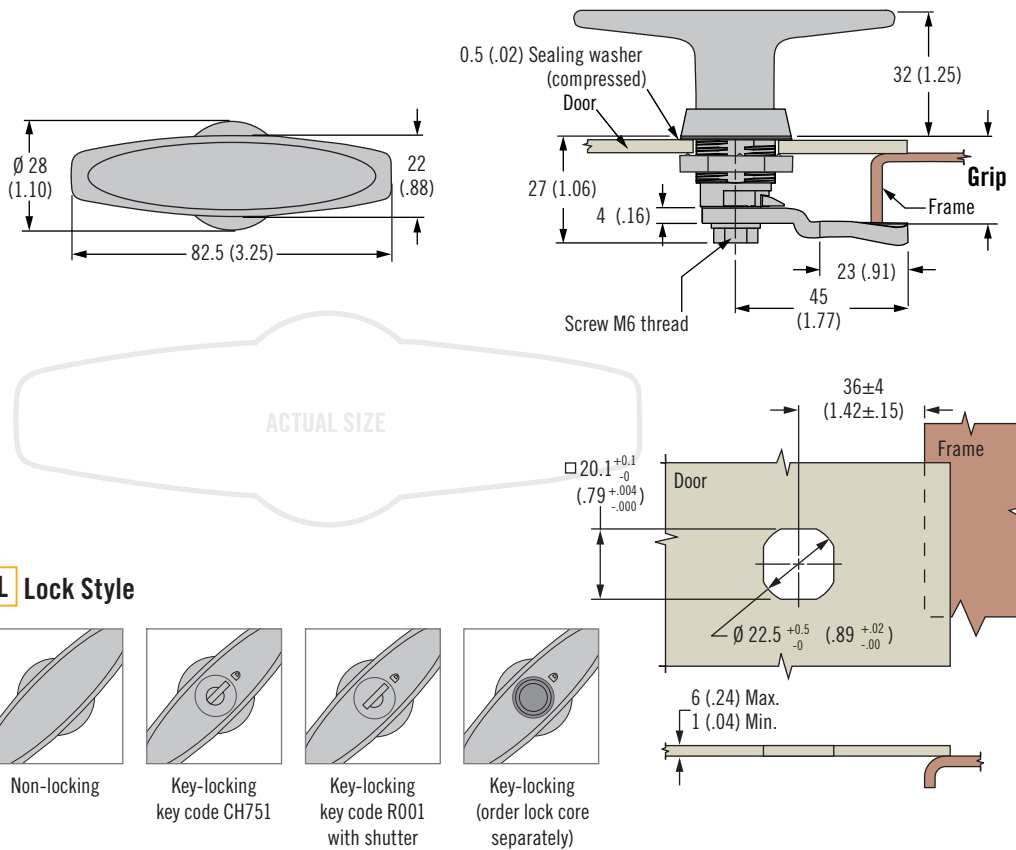
Suitable for push-to-close action
see page 128

For adjustable grip versions see
page 134

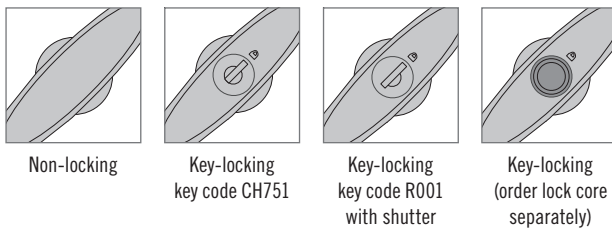
For lock core selection and a
complete overview of the *SOUTHCO*®
Key-Choice System see page 158

Part Number Selection

Order latch and cam separately



L Lock Style



Latch Part Number
(no cam)

E5 - 9 - L F - UU1 - 1 K

F Finish

- 2 Bright chrome
- 5 Black powder coated

L 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

K Key options

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

Cam Part Number Table (order separately from latch)

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



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

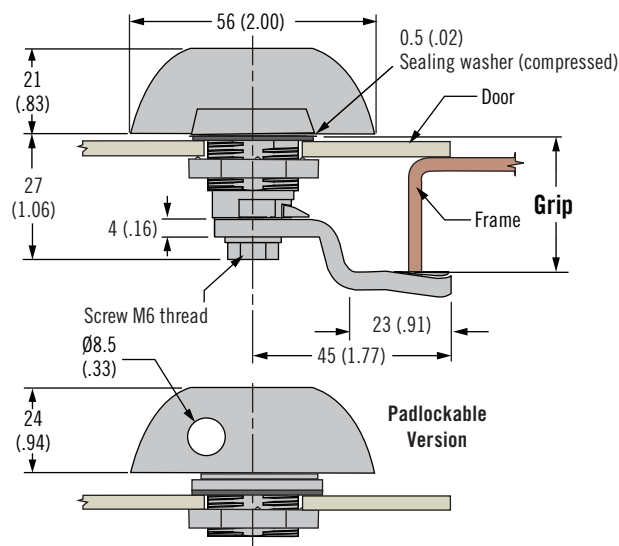
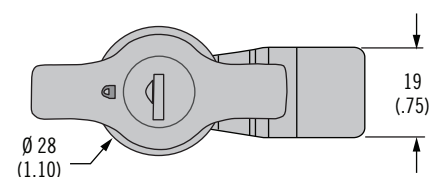
Wing style suitable for push-to-close action see page 128

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

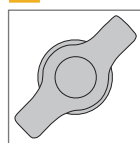
Part Number Selection

Order latch and cam separately

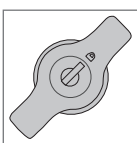
Wing



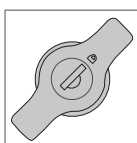
L Lock Styles



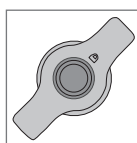
Non-locking



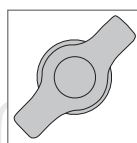
Key-locking
key code CH751



Key-locking
key code R001
with shutter



Key-locking
lock core
(order separately)



Padlockable

ACTUAL SIZE

Latch Part Number (no cam)

E5 - 9 - L 5 - UU1 - 1 K

K Key options

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

L Lock style

- 30 Non-locking (omit last two digits of 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 two digits of part number) Order lock core separately, see page 158
- 51 Padlockable, Type A clockwise to latch (omit last two digits in part number)
- 52 Padlockable, Type B counter-clockwise to latch (omit last two digits in part number)

Cam Part Number

E5 - 6 L G

L Lock style

- 0 Non-locking or Key-locking
- 1 Padlockable

G Grip

Grip	G	Grip	G	Grip	G	Grip	G
4 (.16)	03	14 (.55)	08	24 (.94)	13	34 (1.34)	18
6 (.24)	04	16 (.63)	09	26 (1.02)	14	36 (1.42)	19
8 (.31)	05	18 (.71)	10	28 (1.10)	15	38 (1.50)	20
10 (.39)	06	20 (.79)	11	30 (1.18)	16	40 (1.57)	21
12 (.47)	07	22 (.87)	12	32 (1.25)	17	42 (1.65)	22



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Dimensions in millimeters (inch) unless otherwise stated

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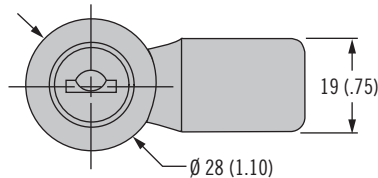
E5 Cam Latch

Zinc · Cylinder lock · Fixed grip

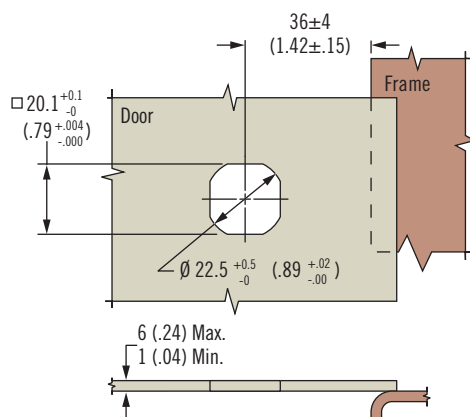
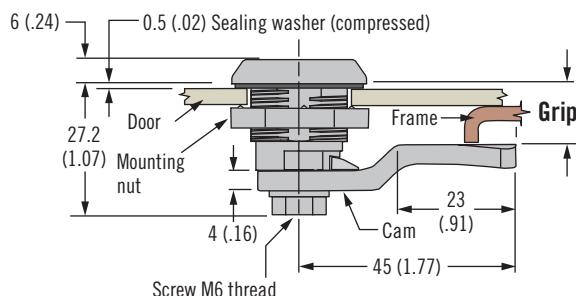


127

Cylinder Lock



ACTUAL SIZE



F Finish

- 2 Bright chrome
- 5 Black powder coated

K Key options CH751

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

Latch Part Number
(no cam)

E5 - 5 - 40 **F** - UU1 - 1 **K**

- 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



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 **SOUTHCO®** Key-Choice System see page 158

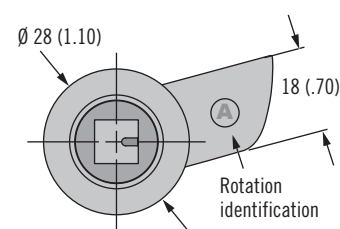
Actuator Part Number

See page 131 for details

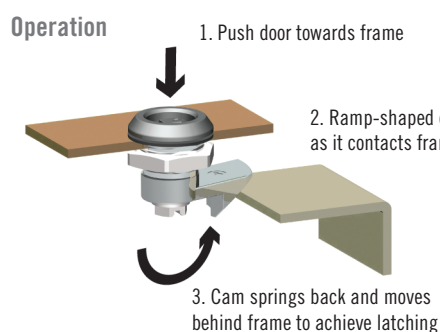
Two point to be used with **SOUTHCO®** R4 rotary series latches and cables see page 272

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.

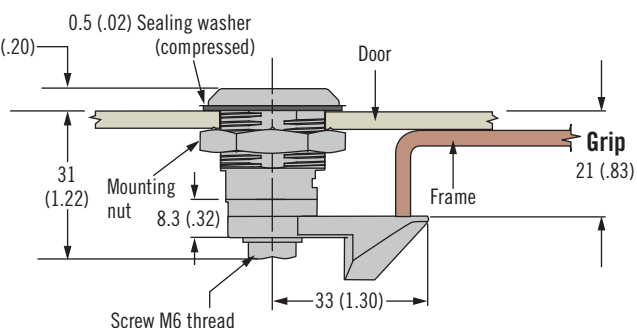
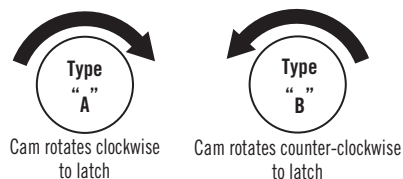
Single Point Spring-Loaded (Type A tool operated shown)



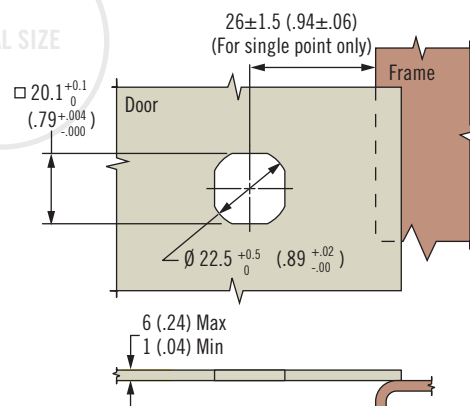
Operation



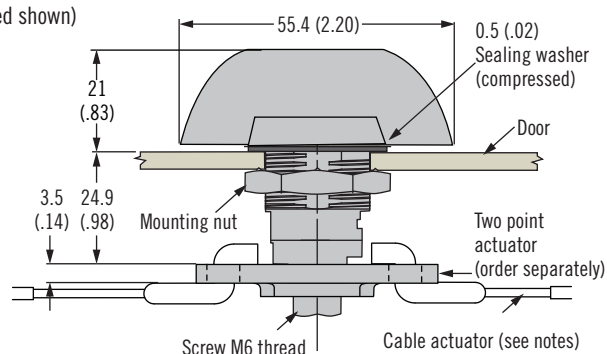
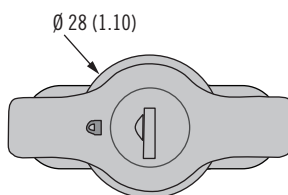
R Rotation



ACTUAL SIZE

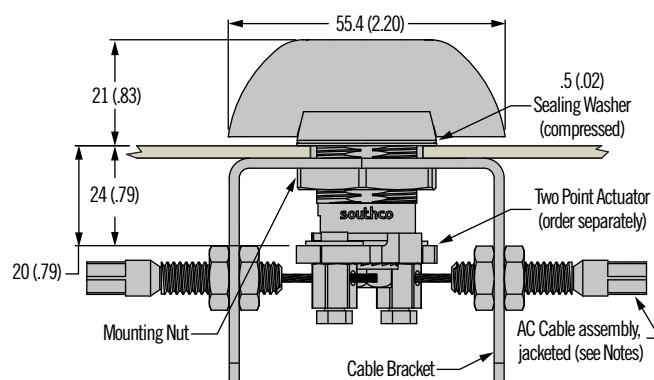


Two Point Spring-Loaded (Type A hand operated shown)



Two Point Actuator for bare cable

(order separately, see page 132)



Hand / Key Operated

F Finish

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

T Type

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

R 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)

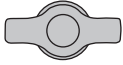
Part Number Selection

Latch supplied fully assembled

E5 - T - L F - R 0 - 1 K

K Key options

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

Lock style	T = 5	T = 9		
				
	Cylinder Lock	Wing	T-handle	L-handle
Non-locking (omit last two digits of part number)	~	30	60	70
Keyed CH751 (lock core finish matches handle finish)	~	31	61	71
Keyed CH751 (stainless steel scalp shuttered)	40	~	~	~
Keyed R001 reversible (stainless steel scalp shuttered)	~	32	62	72
Without lock core (omit last two digits of part number) (to be ordered separately see page 158)	~	33	63	73

Tool Operated

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



Bellcore
electronics



Recessed slot
(tamper
resistant)



Railway
standard

F Finish

- 2 Bright chrome
5 Black powder coated

E5 - 6 - H F - R 0

H Head style

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

R 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)

Part Number Selection

Latch supplied fully assembled



E5 Cam Latch

Zinc · Tool or hand operated · Fixed grip · Mini size

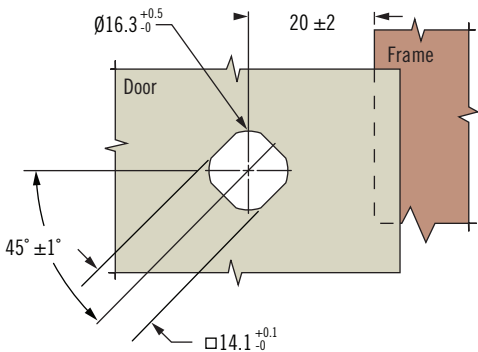
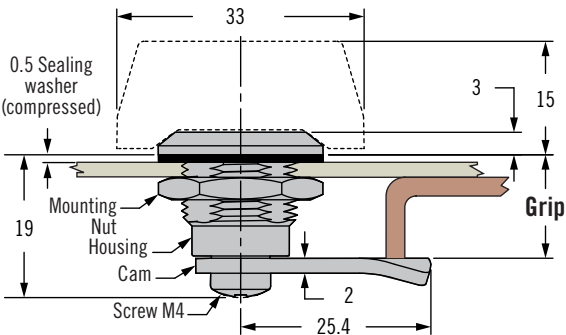
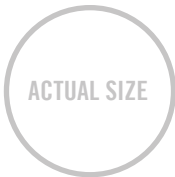
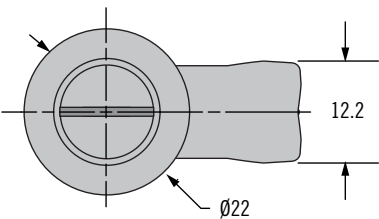
- Single hole install
- Compact size
- Minimal panel intrusion

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



H Head Styles



Slotted



6 Square



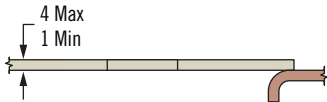
6 Triangle



6 Hex Recess



Wing Knob



Part Number Selection

Order latch and cam separately

Latch Part Number (no cam)

E5 - M - **H** 5 - UU1

H Head style

- 00 Slotted
- 14 6 Square
- 17 6 Triangle
- 18 6 Hex Recess
- 30 Wing Knob

Cam Part Number Table (order separately from latch)			
Grip	Part Number	Grip	Part Number
4	E5-3005	16	E5-3011
6	E5-3006	18	E5-3012
8	E5-3007	20	E5-3013
10	E5-3008	22	E5-3014
12	E5-3009	24	E5-3015
14	E5-3010	26	E5-3016

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



www.southco.com/E5

Dimensions in millimeters unless otherwise stated



E5 Cam Latch Accessories

Keys and Flush Mount Bracket

Material and Finish

Tool key: Zinc alloy or nylon

Overmolded key: Nickel plated and ABS plastic black

Flat key: Nickel plated

Overmolded Keys



Flat Keys

Key CH751



Part Number

Overmolded key CH751:

Single: PK-10-10-05

Pair: PK-10-01-05

Overmolded 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

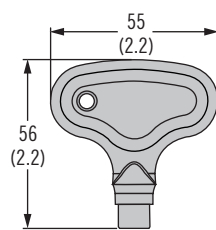
For use with tool operated standard series cam latches, see pages 118-119, 121, 127

See page 91 for door preparation dimensions

Keys Zinc or Nylon

H Head style

- 2 3 (.11) Double bit
- 3 7 (.28) Triangle
- 4 7 (.28) Square
- 7 8 (.32) Triangle
- 8 8 (.32) Square recess
- 9 5 (.19) Double bit
- 10 8 (.32) Square male (zinc only)
- 11 Bellcore electronics
- 12 Bellcore 216 (zinc only)
- 14 Railway Standard (zinc only)



F Finish

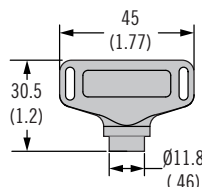
- 1 Plated zinc
- 2 Natural zinc
- 3 Nylon, black

E3 - H - F

Keys Nylon

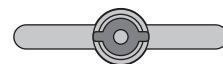
H Head style

- 19 6 (.24) Triangle
- 20 6 (.24) Square

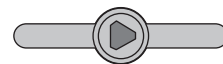


E3 - H - 3

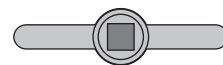
Head Styles



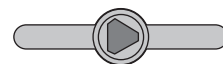
2 3 (.11) Double bit



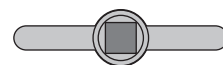
3 7 (.28) Triangle



4 7 (.28) Square



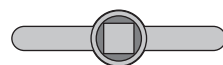
7 8 (.32) Triangle



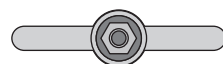
8 8 (.32) Square recess



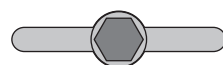
9 5 (.19) Double bit



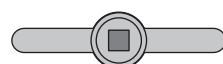
10 8 (.32) Square male



11 Bellcore electronics



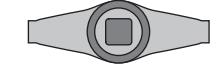
12 Bellcore 216



14 Railway Standard

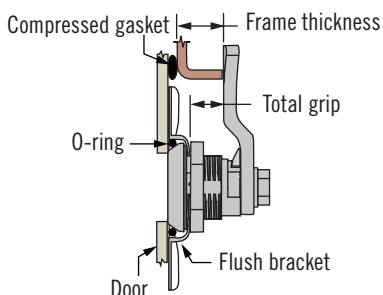


19 6 (.24) Triangle

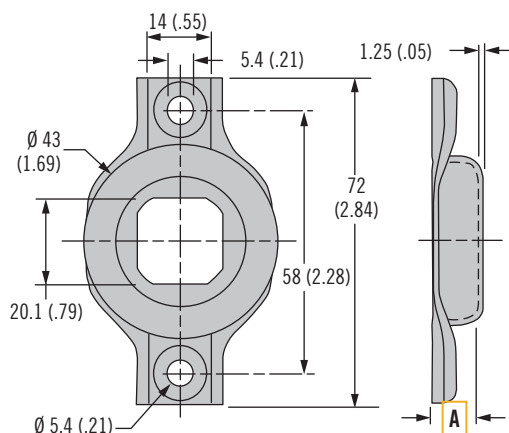


20 6 (.24) Square

Flush Mount Bracket



A	Part Number	Material
6.6	E5-77-1-12	Galvanized steel
6.6	E5-77-1-24	304 Stainless steel



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 (inch) unless otherwise stated



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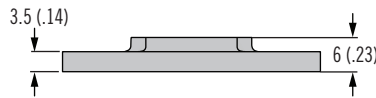
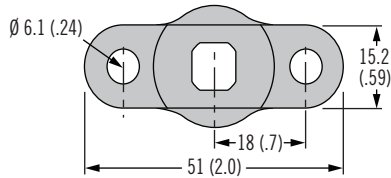
E5 Cam Latch Accessories

Multi-point actuators · Dummy cam



131

Multi-Point Actuator



Part Number

A5-91-201-11

Material and Finish

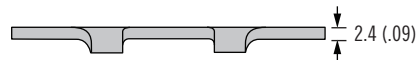
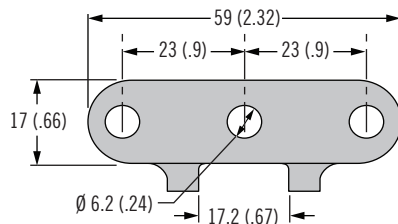
Zinc alloy

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

Multi-Point Actuator - Low Profile



Part Number

A8-4-01-03

Material and Finish

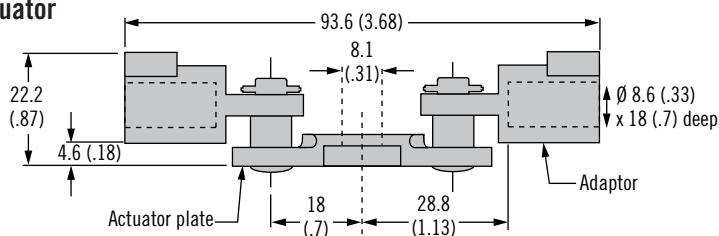
Steel, plated

Notes

Actuator plate (for multi-point see pages 198-199 for rods)

For use with all E5 latches

Multi-Point Actuator



Part Number

A5-90-101-11

Material and Finish

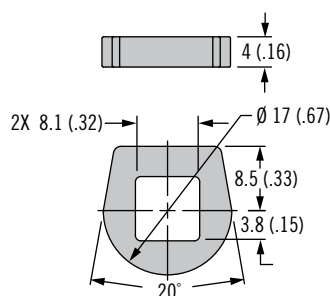
Zinc alloy and steel, zinc plated

Notes

Actuator plate (for multi-point see page 198 for rods)

Not to be used with low profile E5

Dummy Cam



Part Number

Steel

H3-0-45688

Stainless Steel

H3-0-45688-24

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



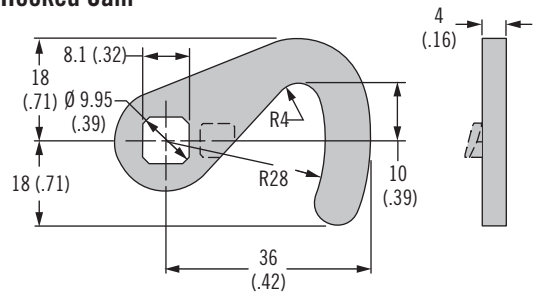
E5 Cam Latch Accessories

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

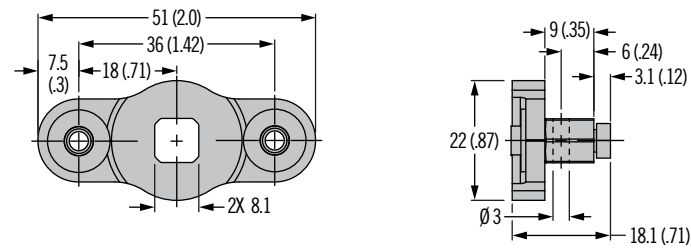
Notes
Not to be used with low profile E5

Hooked Cam



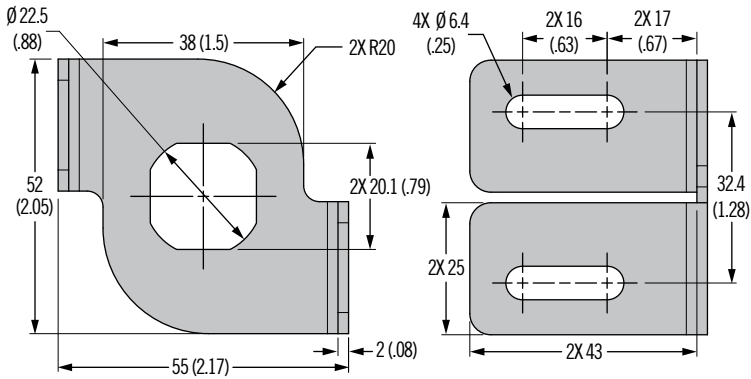
Hooked Cam Part Number	
E5-6200	No stop
E5-6210	Stop for clockwise rotation
E5-6220	Stop for counter-clockwise rotation

Multi-Point Actuator



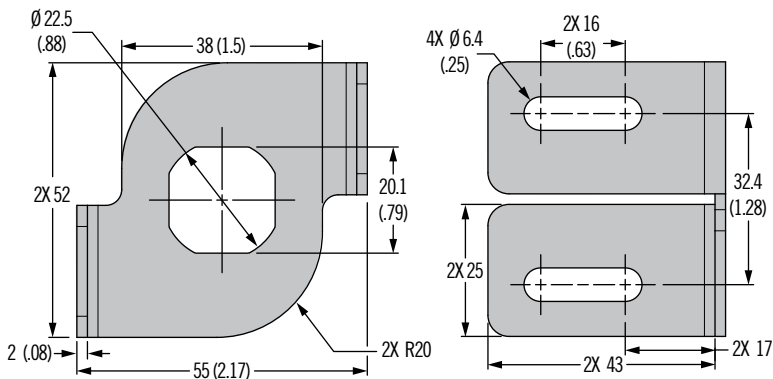
Part Number
A5-99-136

Cable Bracket – Counter Clockwise Rotation



Part Number
AC-0-49617-11-L

Cable Bracket – Clockwise Rotation



Part Number
AC-0-49617-11-R

Part Number
See table

Notes
See page 272 for additional cable assembly selections

Dimensions in millimeters (inch) unless otherwise stated

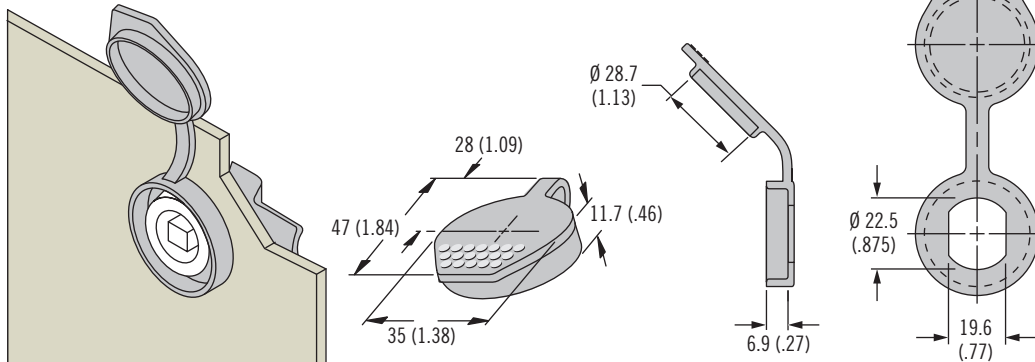
E5 Cam Latch Accessories

Sealing cover · Sealing washer · Pull tab · Padlock bracket

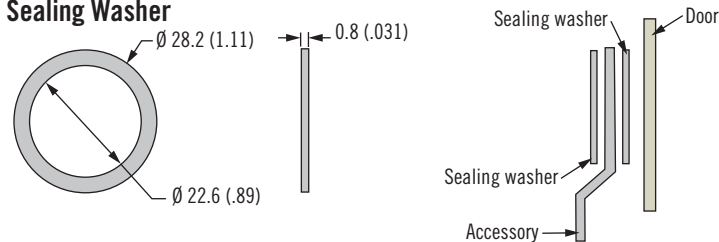


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Sealing Cover

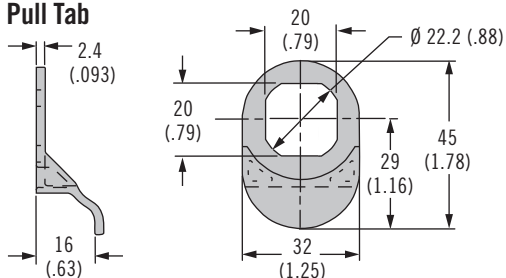


Sealing Washer

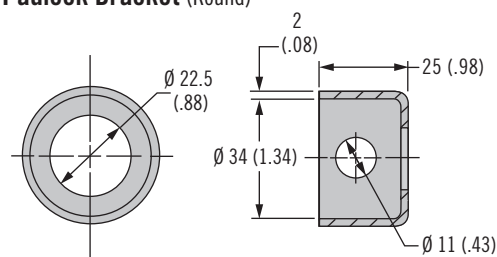


Type	Part Number	Grip Adjustment Formula
Sealing washer	E5-17	Add 0.4 (0.02) compressed height to door thickness
Sealing cover	90-3	Add 2.3 (.090) to door thickness

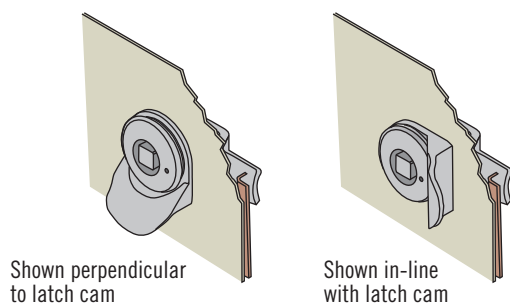
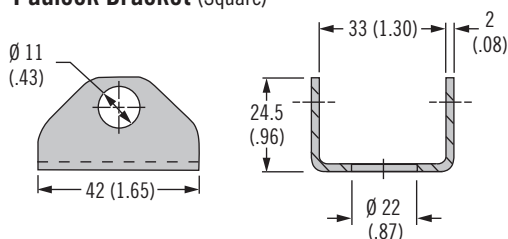
Pull Tab



Padlock Bracket (Round)



Padlock Bracket (Square)



Type	Part Number	Grip Adjustment Formula
Padlock bracket square	E3-77-101-31	Add 2 (.08) to door thickness
Padlock bracket round	E3-77-102-31	Add 2 (.08) to door thickness
Pull tab	E5-18	Add 2.4 (.093) to door thickness

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

Part Number

See table