



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



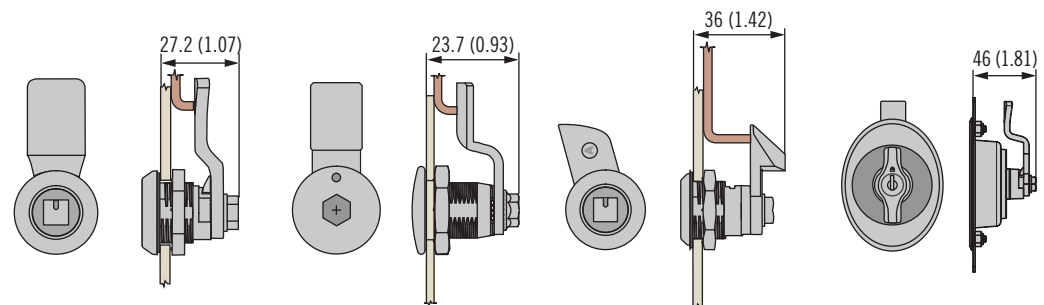
Glass-filled
nylon, black



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 152)

E5 Low Profile

Stylish, low profile design. Tool and hand operated access styles in zinc alloy chrome plated or black powder coated. (See page 156)

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 166)

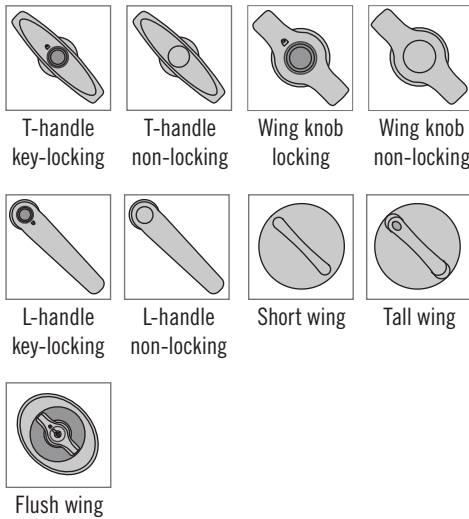
E5 Flush Cup Wing Knob

Stylish oval cup design. Provides a clean, flush outer surface. Ideal for multi-point actuation of large doors in aesthetically pleasing applications. (See page 164)

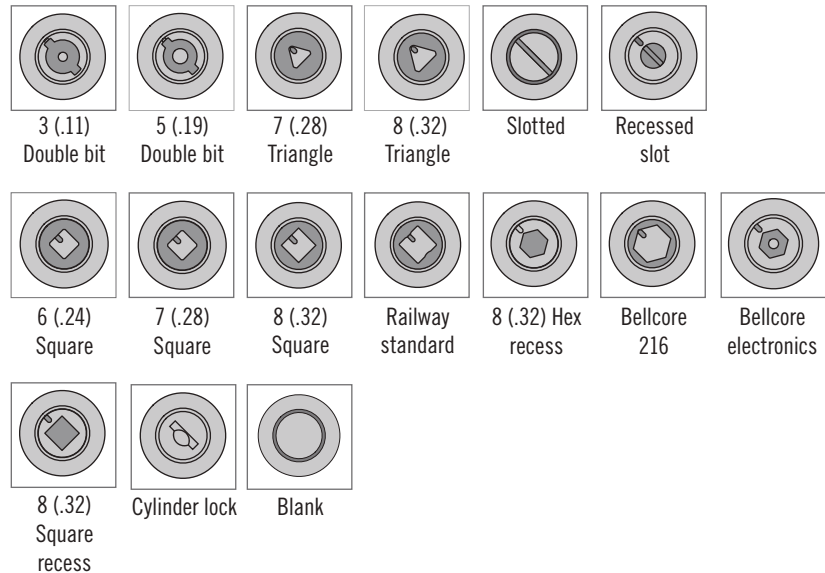
➔ Choose from a wide range of operating styles to fit application and industry requirements.

- ➔ 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

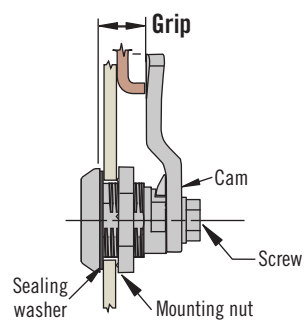


Tool / key operable



➔ Determine your grip options for a perfect fit

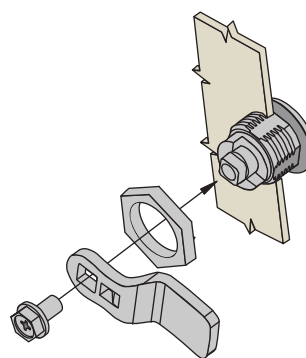
Total grip includes the dimensions of all elements in-between the mounting surface of the latch and the latch's contact surface on the frame - including door thickness, compressed seals and gaskets, accessories, frame offset, etc.



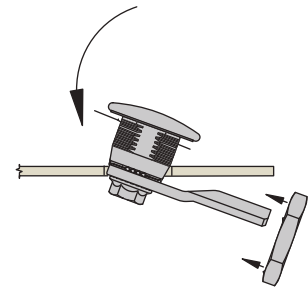
Selecting the right cam for the E5 is easy once the total grip is known. Southco provides a wide selection of standard cams in many grip increments, and special ones like hook and push-to-close cams. Standard cams provide vibration resistance and grip variation tolerance.

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)

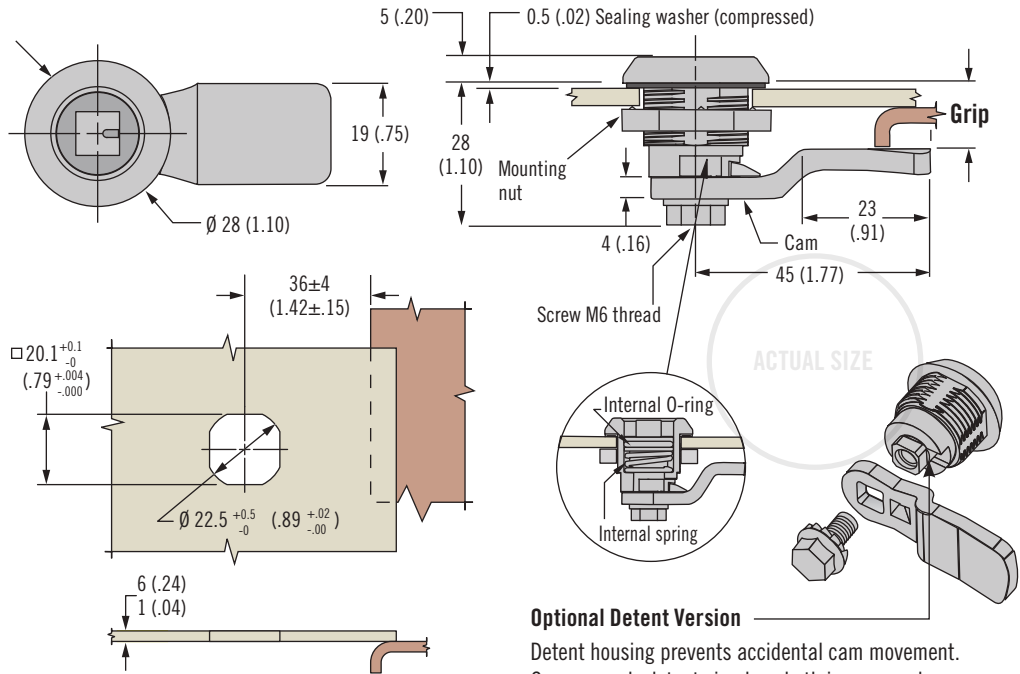
Keys and Accessories

See page 121 and 169-175

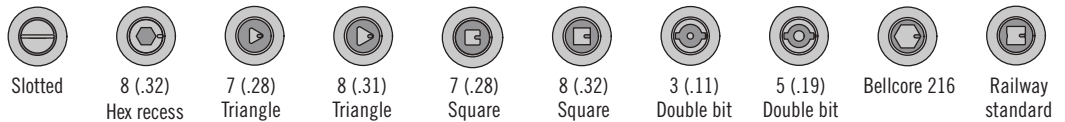
Part Number Selection

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
- 05 8 (.32) Square
- 06 3 (.11) Double bit
- 07 5 (.19) Double bit
- 13 Bellcore 216
- 22 Railway standard

M Material

- 24 304 Stainless steel
- 27 316 Stainless steel

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



E5 Cam Latch

Zinc · Tool operated · Adjustable grip

- Single hole install
- Latched / unlatched indicator
- Easy grip adjustment
- Tool operated for security
- Sensor Cam Option - for monitoring door and latch status

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

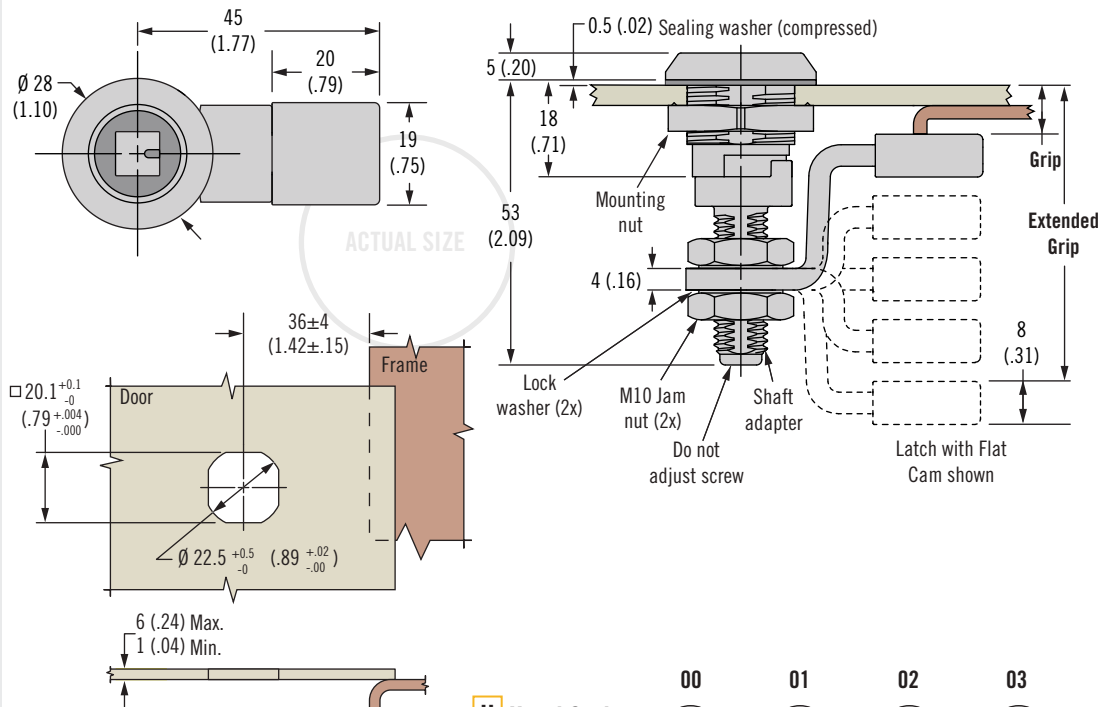
Keys and Accessories

See page 121 and 169-175

Part Number Selection

See table

Order latch and cam separately



H 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
13 Bellcore 216	19 Bellcore electronics	21 Recessed slot (tamper resistant)	22 Railway standard
24 6 (.24) Square recess	08 8 (.32) Square recess		

Latch Part Number (no cam)

E5 - 6 - H F - 01

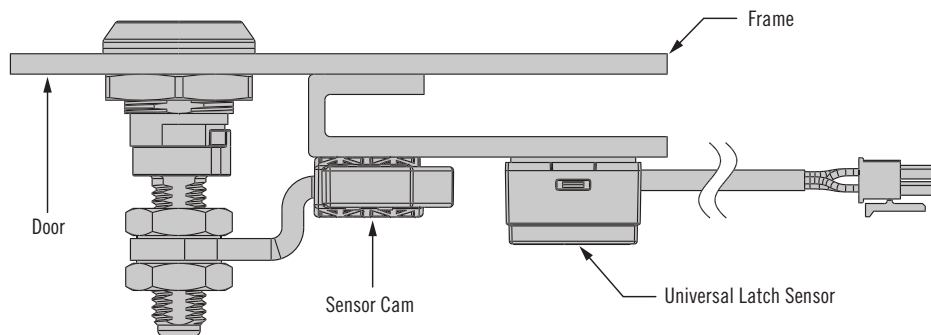
F Finish

- 2 Bright chrome
- 5 Black powder coated

Latch Can Be Used With ES-01 Universal Latch Sensor for Monitoring Latch and Door Status

(see page 47A)

Requires: E5-6 Latch, E5-400X-XXX Sensor Cam and Universal Latch Sensor.



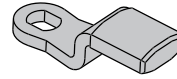
Dimensions in millimeters (inch) unless otherwise stated

E5 Cam Latch

Adjustable grip cam options

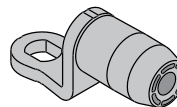


Protected Cam Part Number Table (order separately from latch)				
Minimum Grip +2(.08) - 0	Maximum Grip +2(.08) - 0	Offset	Cam Type	Part Number
5 (.20)	16.5 (.65)	Deep Cam	Forward	E5-4001
51 (2.01)	62.5 (2.46)	Deep Cam	Reversed	
16.5 (.65)	28 (1.10)	Cam	Forward	E5-4002
39.5 (1.56)	51 (2.01)	Cam	Reversed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



- Protected Cam**
- Stable frame engagement
 - Improved surface contact
 - Minimal frame surface prep

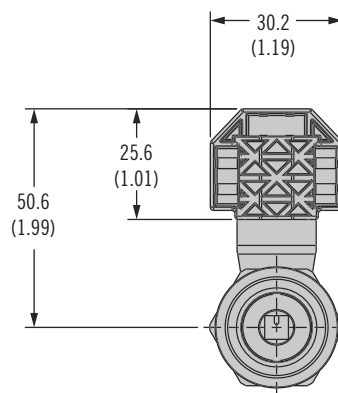
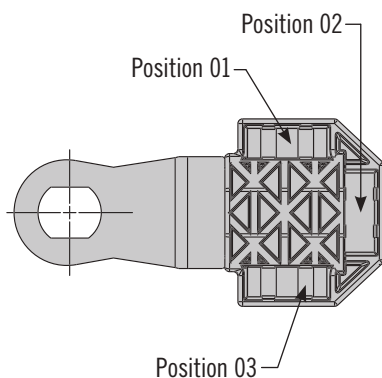
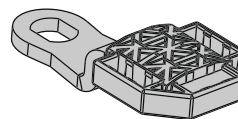
Roller Cam Part Number Table (order separately from latch)				
Minimum Grip +2(.08) - 0	Maximum Grip +2(.08) - 0	Offset	Cam Type	Part Number
0 (0)	5 (.20)	Extra Deep Cam	Forward	E5-4505
54 (2.13)	62.5 (2.46)	Extra Deep Cam	Reversed	
0 (0)	8 (.31)	Deep Cam	Forward	E5-4506
45 (1.89)	58 (2.28)	Deep Cam	Reversed	
8 (.31)	18 (.71)	Medium Cam	Forward	E5-4507
38 (1.50)	48 (1.89)	Medium Cam	Reversed	
18 (.17)	28 (1.10)	Low Cam	Forward	E5-4508
28 (1.10)	38 (1.50)	Low Cam	Reversed	



- Roller Cam**
- Reduce operating effort
 - Minimize scratching frame finish
 - Detented feel (with optional Keeper)

Sensor Cam Part Number Table (order separately from latch)					
Minimum Grip +2(.08) / - 0	Maximum Grip +2(.08) / - 0	Offset	Cam Type	Magnet Position	Part Number
3.5 (.14)	15 (.59)	Deep Cam	Forward	Position 1	E5-4001-M01
49.5 (1.95)	61 (2.40)		Reversed	Position 2	E5-4001-M02
				Position 3	E5-4001-M03
15 (.59)	26.5 (1.04)	Cam	Forward	Position 1	E5-4002-M01
38 (1.50)	49.5 (1.95)		Reversed	Position 2	E5-4002-M02
				Position 3	E5-4002-M03
26.5 (1.04)	38 (1.50)	Straight Cam	-	Position 1	E5-4003-M01
				Position 2	E5-4003-M02
				Position 3	E5-4003-M03

- Sensor Cam**
- Stable frame engagement
 - Improved surface contact
 - Works with Southco ES-01 Universal Latch Sensor (page 47A)



- Single hole install
- Latched / unlatched indicator
- Easy grip adjustment
- Tool operated for security
- Sensor Cam Option - for monitoring door and latch status

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 121 and 169-175

Part Number Selection

See table
Order latch and cam separately



E5 Cam Latch

Zinc · Tool operated · Short Housing · 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 121 and 169-175

Notes

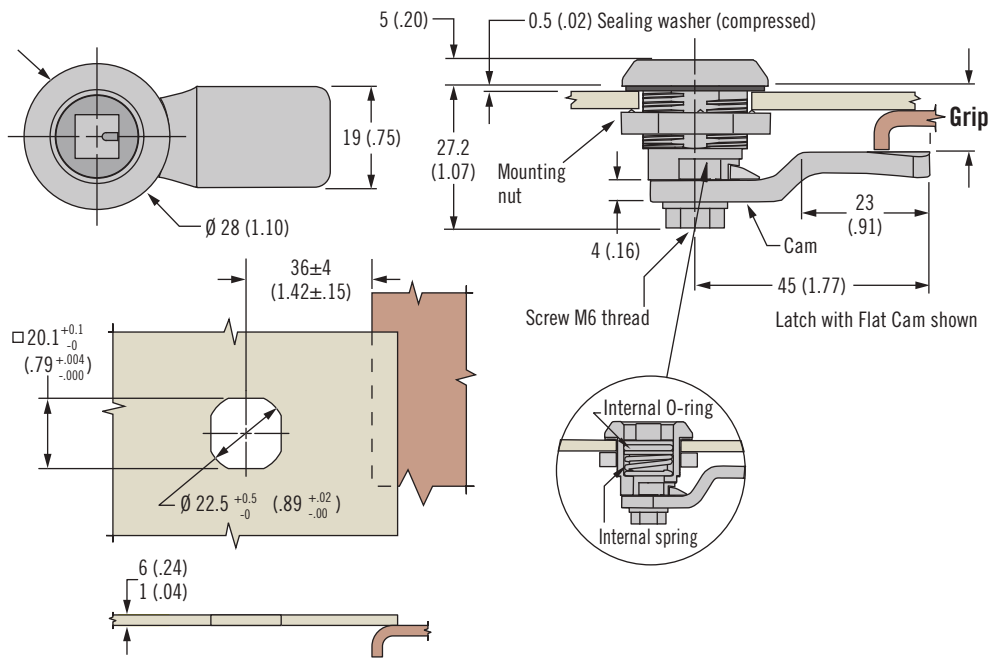
Suitable for push-to-close action see page 166

Part Number Selection

See table
Order latch and cam separately

Optional Keeper for Roller Cam

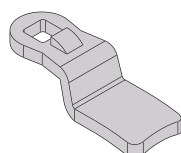
Part number E5-74-601-33



		H Head Styles					
		00	01	02	03		
		Slotted	8 (.32) Hex recess	7 (.28) Triangle	8 (.32) Triangle		
		04	05	06	07	08	
		7 (.28) Square	8 (.32) Square	3 (.11) Double bit	5 (.19) Double bit	8 (.32) Square recess	
		13	19	21	22	23	24
		Bellcore 216	Bellcore electronics	Recessed slot (tamper resistant)	Railway standard	Blank	6 (.24) Square recess

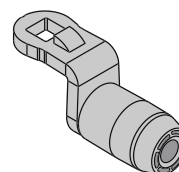
F Finish	Latch Part Number (no cam)
2 Bright chrome	E5 - 6 - H F - UU1
5 Black powder coated	

Cam Options - See Page 170 Short Housing Table



Standard Cam

- Stable frame engagement
- Improved surface contact
- Minimal frame surface prep

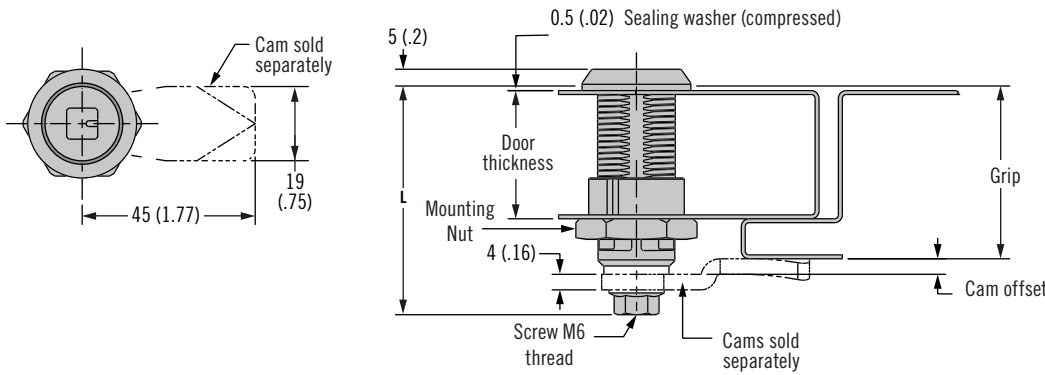


Roller Cam

- Reduce operating effort
- Minimize scratching frame finish
- Detented feel (with optional Keeper)

E5 Cam Latch

Zinc · Tool operated · Long Housing · Fixed grip



- Single hole install
- Latched / unlatched indicator
- Suitable for thick doors

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

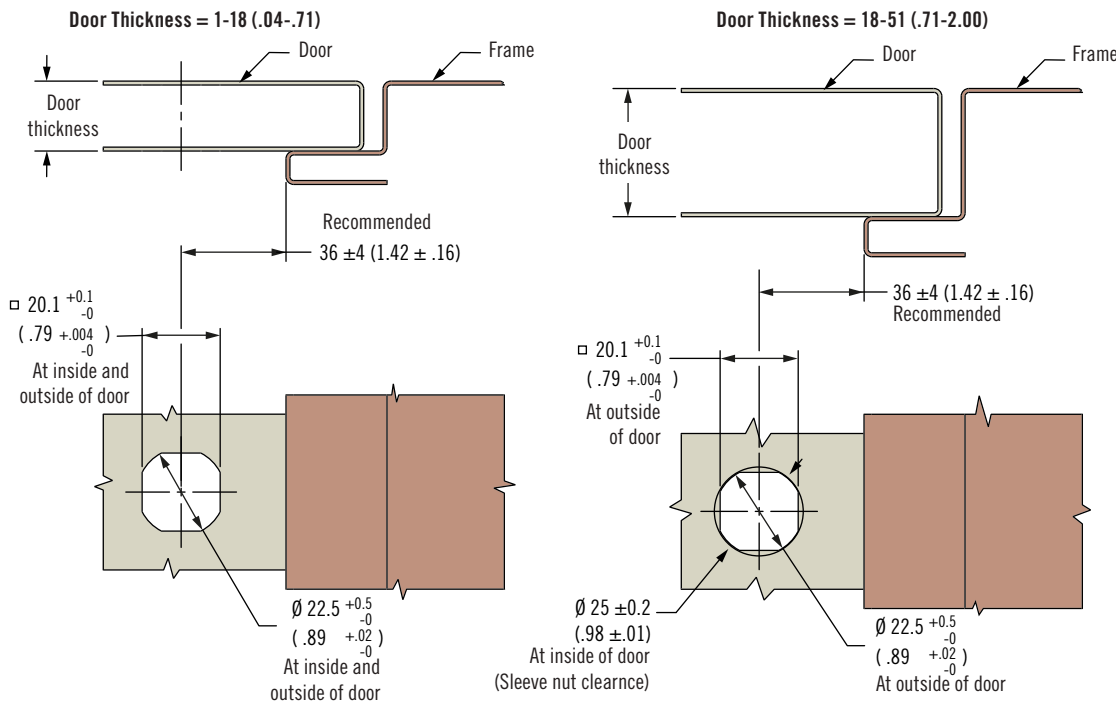
See page 121 and 169-175

Part Number Selection

See table
Order latch and cam separately

Compatible with flat and roller cams - See page 171, Long Housing Table for cam part numbers

Door Preparation



F Finish

- 2 Bright chrome
- 5 Black powder coated

E5 - 6 A - H F - UU D

H Head style (See for details)

- | | |
|------------------------------|--|
| 00 Slotted | 08 8 (.32) Square recess |
| 01 8 (.32) Hex recess | 13 Bellcore 216 |
| 02 7 (.28) Triangle | 19 Bellcore Electronics |
| 03 8 (.32) Triangle | 21 Recessed slot (tamper resistant) |
| 04 7 (.28) Square | 22 Railway standard |
| 05 8 (.32) Square | 23 Blank |
| 06 3 (.11) Double bit | 24 6(.24) Square recess |
| 07 5 (.19) Double bit | |

D	Door Thickness	Grip Range	L
1	1-18 (.04-.71)	5-53 (.20-2.09)	45.5 (1.79)
2	1-18 (.04-.71)	54-82 (2.13-3.23)	68.2 (2.69)
3	18-33 (.71-1.30)	18-66 (.71-2.60)	58.2 (2.29)
4	18-33 (.71-1.30)	68-82 (2.60-3.23)	68.2 (2.69)
5	33-51 (1.30-2.00)	34-82 (1.34-3.23)	68.2 (2.69)

Optional Keeper for Roller Cam

Part number E5-74-601-33





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 121 and 169-175

Part Number Selection

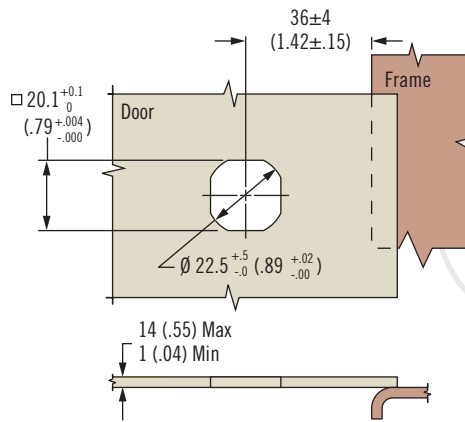
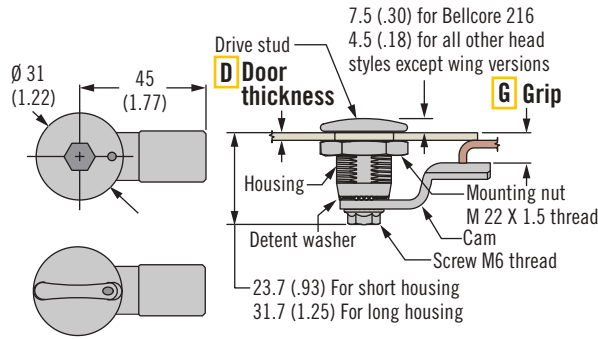
See table

Latch is shipped fully assembled

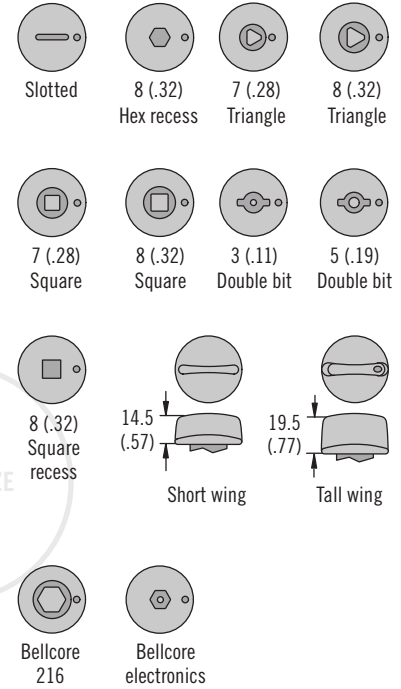
For door thicknesses

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 Styles



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
- 11 Short wing
- 12 Tall wing
- 13 Bellcore 216
- 19 Bellcore Electronics

F Finish

- 1 Textured chrome
- 5 Black powder coated

S Sealing option

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

E5 - D - H F - G S

D Door thickness range

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

G Grip table

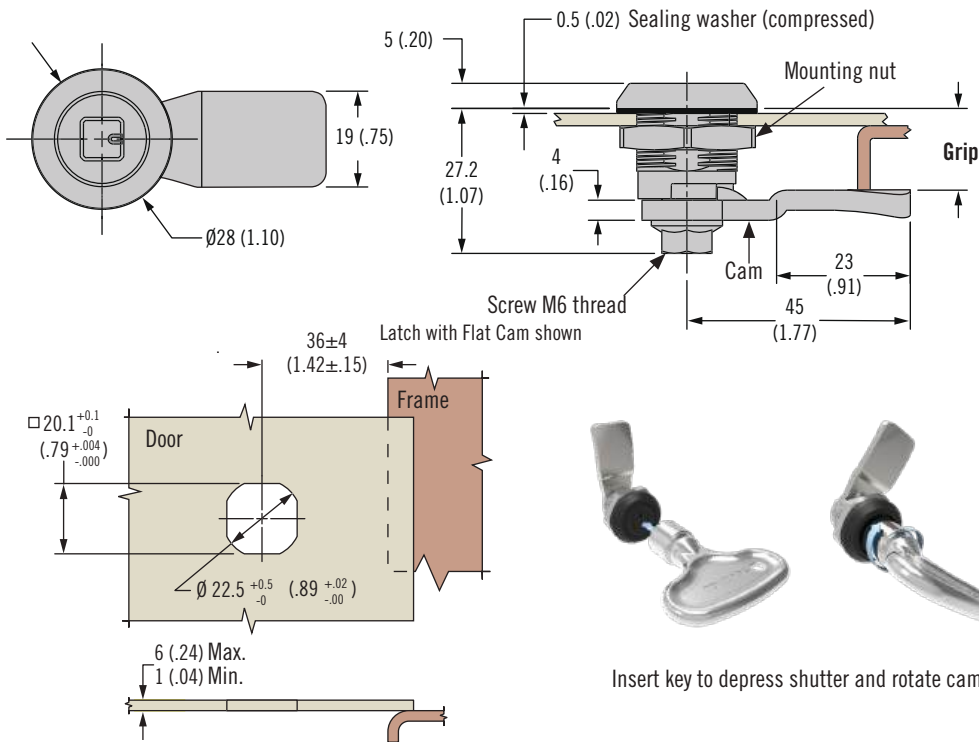
G	Grip		G	Grip		G	Grip		G	Grip	
	Short housing	Long housing		Short housing	Long housing		Short housing	Long housing		Short housing	Long housing
00	Do not use	6 (.24)	05	8 (.31)	16 (.63)	10	18 (.71)	26 (1.02)	15	28 (1.10)	36 (1.42)
01	Do not use	8 (.31)	06	10 (.39)	18 (.71)	11	20 (.79)	28 (1.10)	16	30 (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

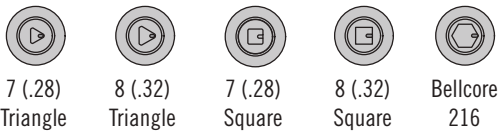
E5 Cam Latch

Zinc · Shutter · Tool operated · Fixed grip



Insert key to depress shutter and rotate cam

H Head Styles



Latch Part Number (no cam)

E5 - 8 - H F - UU1

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

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

- 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 121 and 169-175

Part Number Selection

See table

Order latch and cam separately

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 · Tool or hand operated · Fixed grip · Mini size

- Single hole install
- Compact size
- Minimal panel intrusion

Material and Finish

Zinc alloy, black powder coated and steel, zinc plated

Performance Details

Maximum static load: 130 N (29 lbf)

Sealing Notes

NEMA 4 / IP65 achieved using gasket supplied

Installation Notes

Mounting nut maximum tightening torque: 5 N·m (45 in-lbf)

Screw Maximum tightening torque: 1 N·m (9 in-lbf)

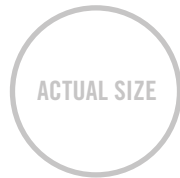
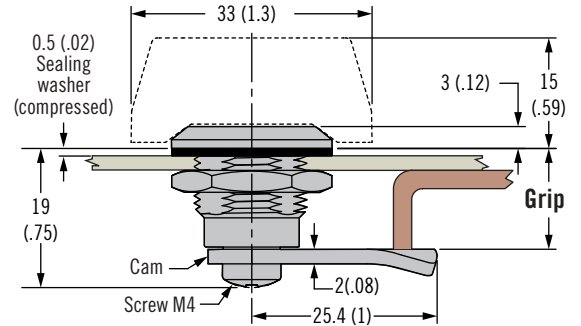
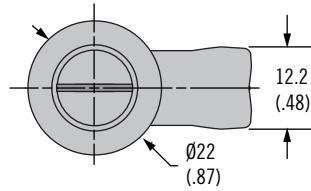
Key part numbers

- 6mm (.24) Triangle
- E3-19-3
- 6mm (.24) Square
- E3-20-3



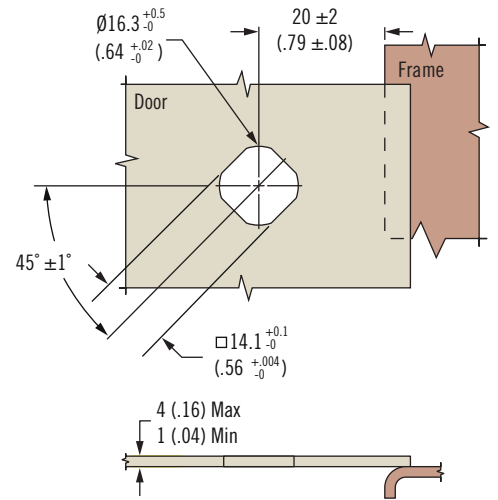
Part Number Selection

Order latch and cam separately



H Head style

00 Slotted	14 6 (.24) Square	17 6 (.24) Triangle	18 6 (.24) Hex Recess
30 Wing Knob	31 Wing Knob Key Lockable	40 Key Lockable	



Latch Part Number (no cam)

E5 - M - H F - UU1 - 1 K

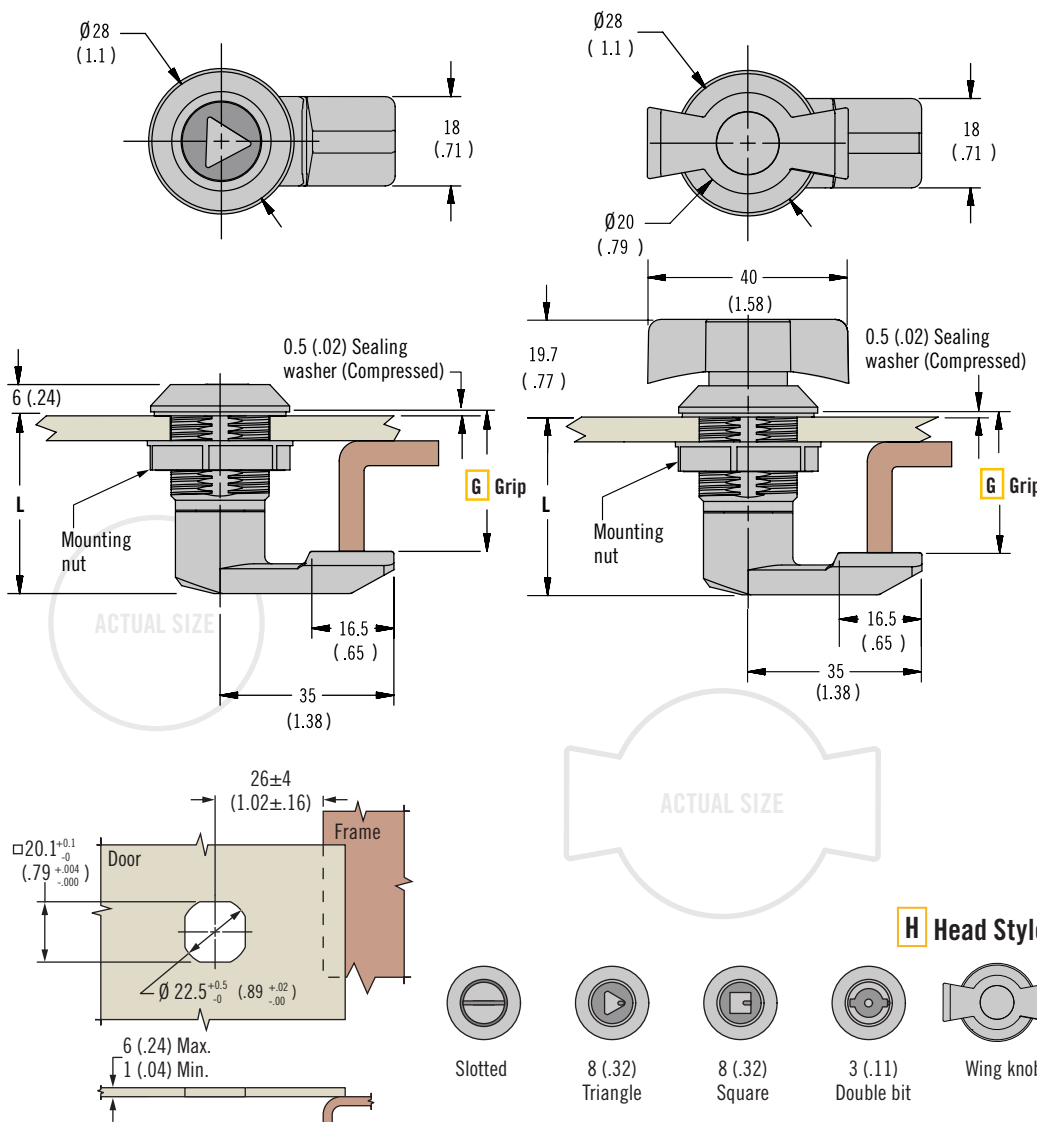
- H** Head style
- F** Finish
 - 2 Bright chrome
 - 5 Black powder coated
- K** Key Options
 - 0 No Keys Included, Order Separately
 - 1 1 Key Supplied

- H** Head style
 - 00** Slotted (Omit last two digits of part number)
 - 14** Square 6mm (Omit last two digits of part number)
 - 17** Triangle 6mm (Omit last two digits of part number)
 - 18** Hex Recess 6mm (Omit last two digits of part number)
 - 30** Wing Knob (Omit last two digits of part number)
 - 31** Wing Knob, Key Lockable, Keyed CH751
 - 40** Key Lockable, Keyed CH751

Cam Part Number Table (order separately from latch)			
Grip	Part Number	Grip	Part Number
4 (.16)	E5-3005	16 (.63)	E5-3011
6 (.24)	E5-3006	18 (.71)	E5-3012
8 (.31)	E5-3007	20 (.79)	E5-3013
10 (.39)	E5-3008	22 (.87)	E5-3014
12 (.47)	E5-3009	24 (.94)	E5-3015
14 (.55)	E5-3010	26 (1.02)	E5-3016

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)

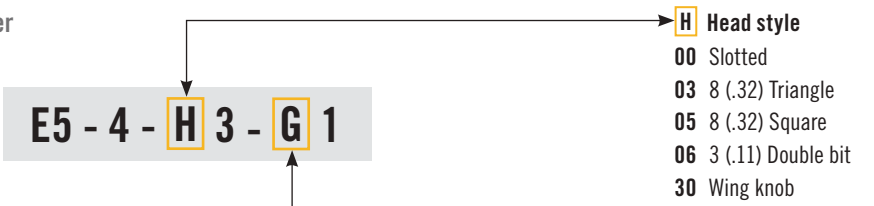
Sealing Notes

NEMA 4 / IP65 achieved using gasket supplied

Keys and Accessories

See page 121 and 169-175

Latch Part Number



Part Number Selection

See table

Grip table				Grip table				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 · L-handle · Hand operated · Fixed grip · Short Housing

- Single hole install
- Multiple key codes
- Padlockable option

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:

5 N·m (45 in·lbf)

Keys

See page 121

Notes

Suitable for push-to-close action see page 166

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

For adjustable grip versions see page 176

Part Number Selection

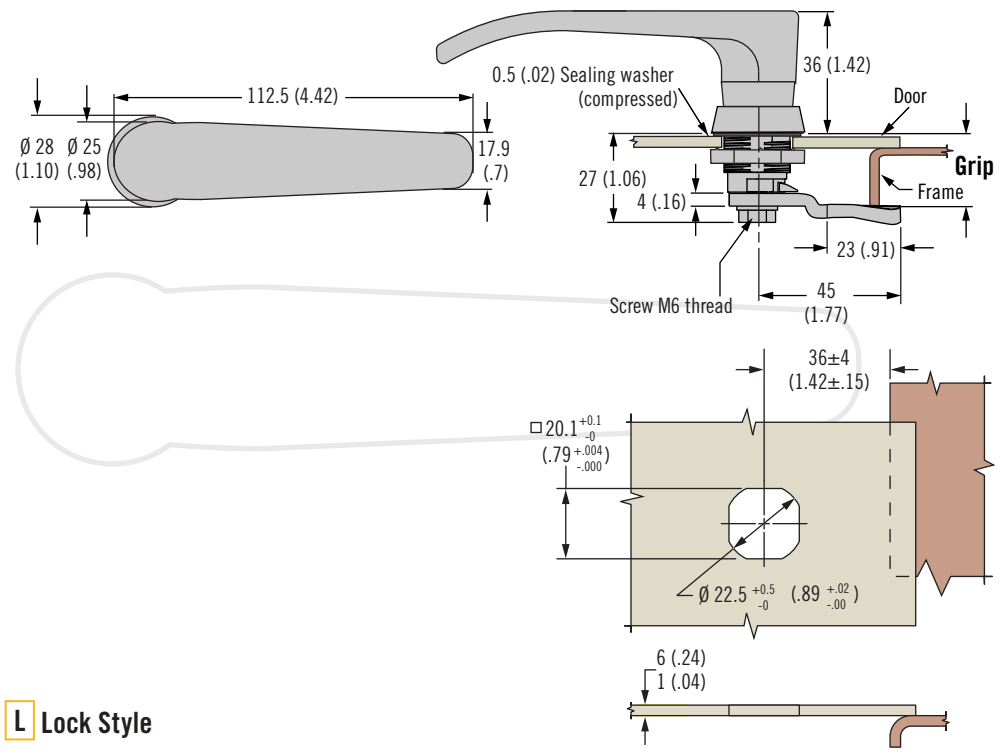
Order latch, cam, and padlock hasp separately.

Compatible with standard and roller cams. See page 170, Short Housing Table for cam part numbers

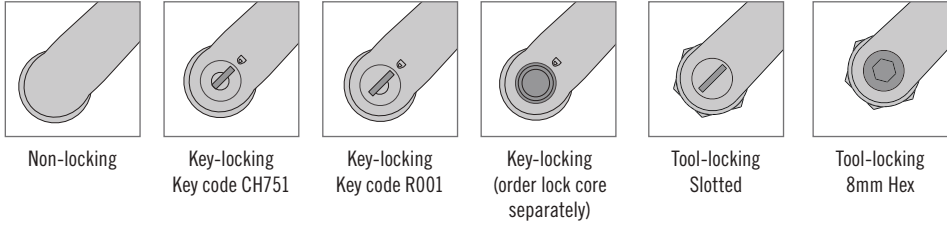
Padlock hasp part number:

CW actuation: E5-75-601-86

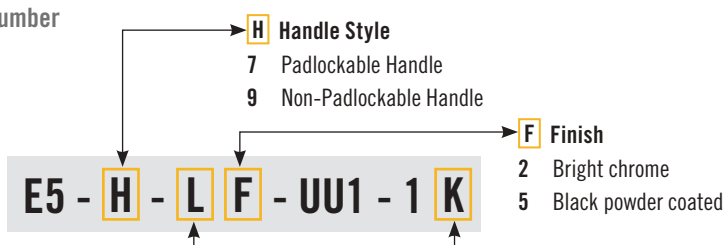
CCW actuation: E5-75-602-86



L Lock Style



Latch Part Number (no cam)



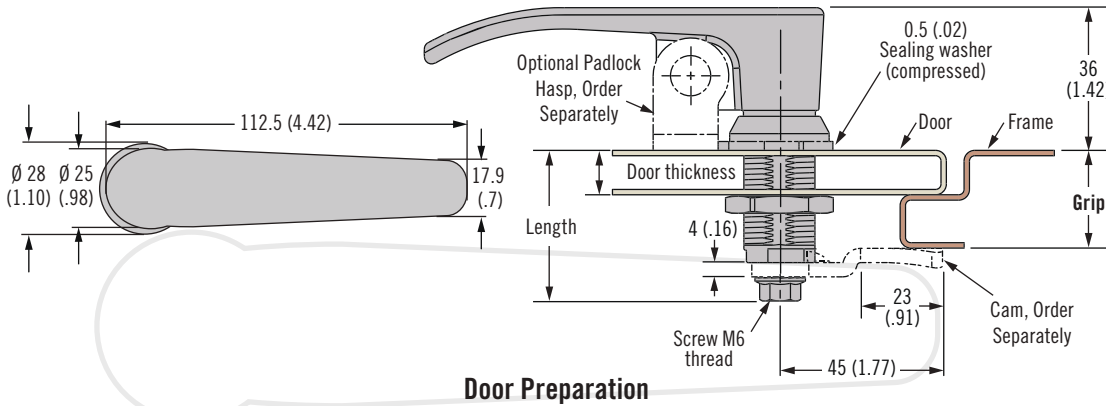
- L Lock style**
- 70 Non-locking (omit last two digits of part number)
 - 71 Keyed CH751 (lock core finish matches handle finish)
 - 72 Keyed R001 (stainless steel scalped shuttered)
 - 73 Without lock core (omit last two digits of part number)
Order lock core separately, see page 190
 - 100 Tool Locking, Slotted (omit last two digits of part number)
 - 101 Tool Locking, 8mm Hex (omit last two digits of part number)

- K Key options**
- 0 No keys supplied (order separately, see page 121)
 - 3 1 Overmolded key supplied



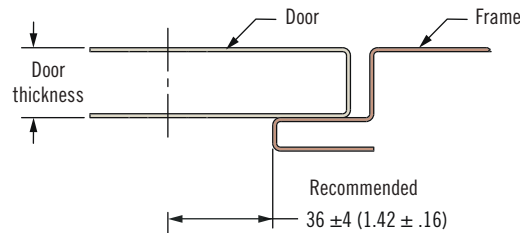
E5 Cam Latch

Zinc · L-handle · Hand operated · Fixed grip · Long Housing

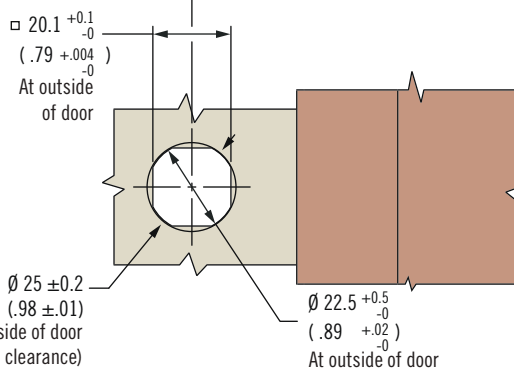
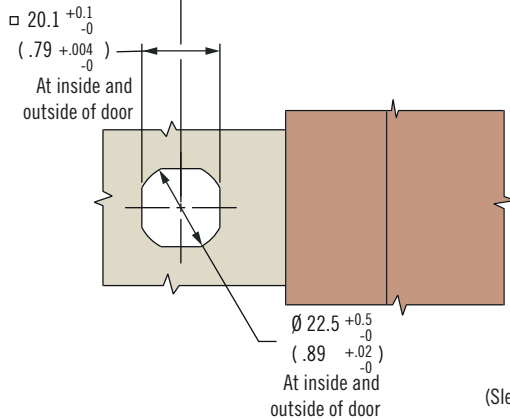
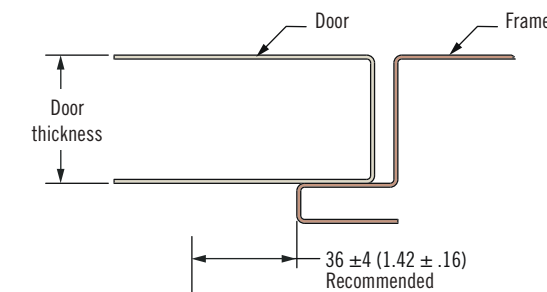


Door Preparation

Door Thickness = 1-18 (.04-.71)



Door Thickness = 18-51 (.71-2.00)



- Suitable for thick doors
- Single hole install
- Multiple key codes
- Padlockable option

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: 5 N·m (45 in·lbf)

Keys

See page 121

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

Part Number Selection

Order latch, cam, and padlock hasp separately.

Compatible with standard and roller cams. See page 171, Long Housing Table for cam part numbers

Padlock hasp part number:
CW actuation: E5-75-601-86
CCW actuation: E5-75-602-86

Latch Part Number

(no cam)

H Handle Style

- 7 Padlockable Handle
- 9 Non-Padlockable Handle

F Finish

- 2 Bright chrome
- 5 Black powder coated

E5 - HA - L F - UUD - 1 K

K Key options

- 0 No keys supplied (order separately, see page 121)
- 3 1 Overmolded key supplied

L Lock style (See page 160)

- 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 190
- 100 Tool Locking, Slotted (omit last two digits of part number)
- 101 Tool Locking, 8mm Hex (omit last two digits of part number)

D	Door thickness	Grip range	Length
1	1-18 (.04-.71)	5-53 (.20-2.09)	45.5 (1.79)
2	1-18 (.04-.71)	54-82 (2.13-3.23)	68.2 (2.69)
3	18-33 (.71-1.30)	18-66 (.71-2.60)	58.2 (2.29)
4	18-33 (.71-1.30)	68-82 (2.60-3.23)	68.2 (2.69)
5	33-51 (1.30-2.00)	34-82 (1.34-3.23)	68.2 (2.69)



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:
5 N·m (45 in·lb)

Keys

See page 121

Notes

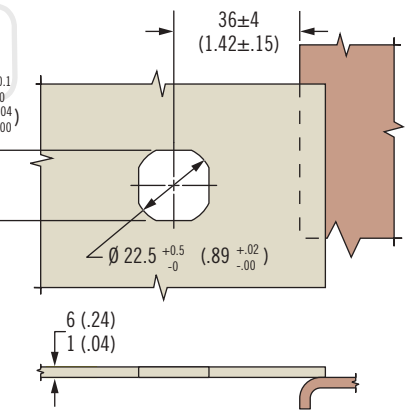
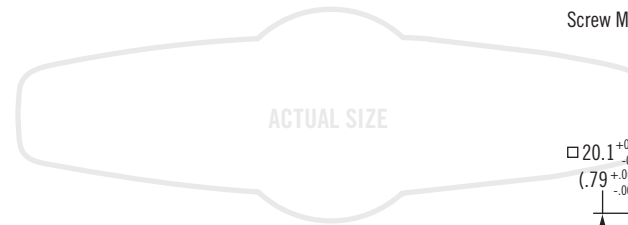
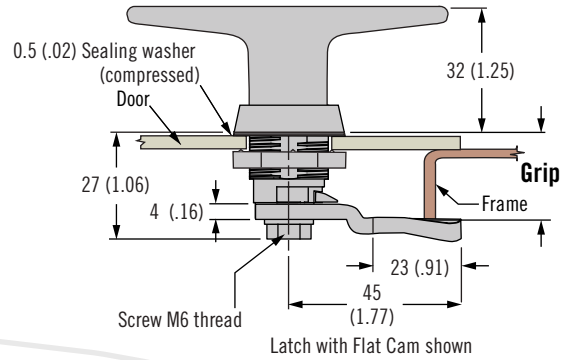
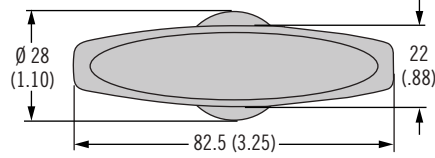
Suitable for push-to-close action see page 166

For adjustable grip versions see page 208

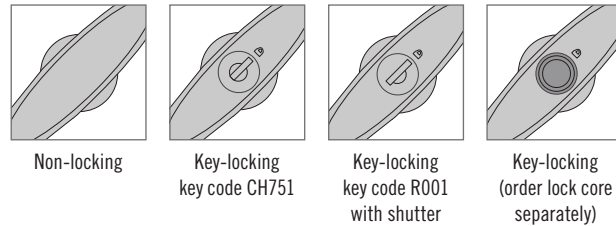
For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

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 190
- K Key options**
- 0 No keys supplied (order separately, See page 121)
 - 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

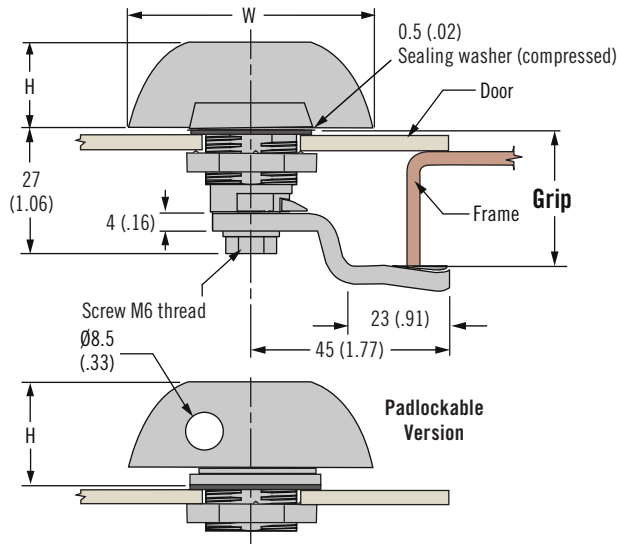
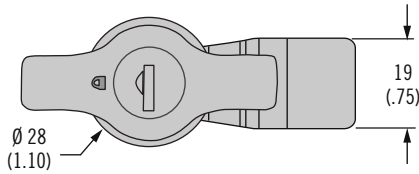
If grip falls between two choices, use the smaller option

E5 Cam Latch

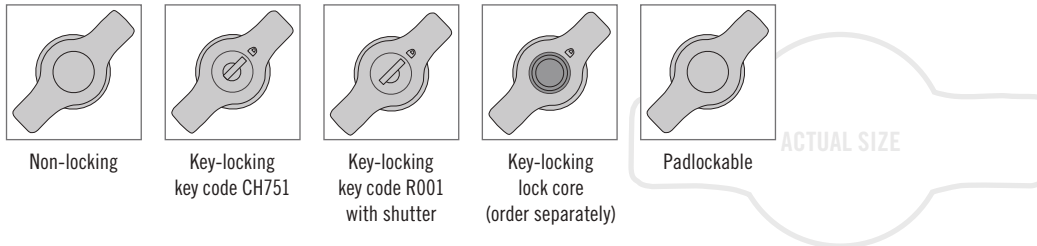
Zinc · Wing style · Fixed grip



Wing (Latch with Flat Cam shown)



L Lock Styles



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

Material and Finish

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·lb)

Keys

See page 120

Notes

Wing style suitable for push-to-close action see page 166

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

Part Number Selection

Order latch and cam separately

Latch Part Number (no cam)

Latch Part Number	Lock Style	H	W
E5-9-305-UU1	Non-locking	21 (.83)	56 (2.2)
E5-9-315-UU1-1 K	Key-locking black lock core keyed alike CH751	21 (.83)	56 (2.2)
E5-9-335-UU1	Without lock core, order lock core separately, see page 190	21 (.83)	56 (2.2)
E5-9-355-UU1-1 K	Key-locking stainless steel scalp and shuttered lock core keyed alike R001	23 (.91)	56 (2.2)
E5-9-375-UU1	Non-locking	16.3 (.64)	50 (1.97)
E5-9-515-UU1	Padlockable, Type A clockwise to latch	24 (.94)	56 (2.2)
E5-9-525-UU1	Padlockable, Type B counter-clockwise to latch	24 (.94)	56 (2.2)

Cam Part Number

E5 - 6 L G

L Lock style
 0 Non-locking or Key-locking
 1 Padlockable

K Key options

- 0 No keys supplied (order separately, see page 120)
- 3 1 Overmolded key supplied

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



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: 5 N·m (45 in·lb)

Keys

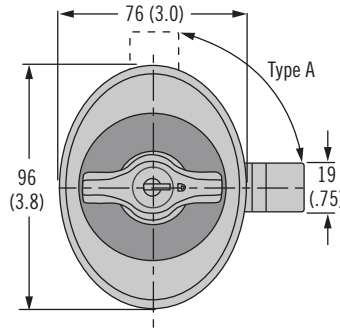
See page 121

Notes

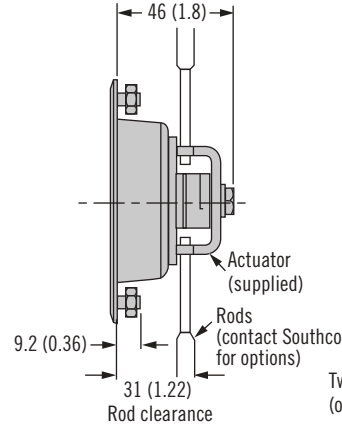
Two point push-to-close action: Internal spring causes return of wing knob and actuator to original latched position when wing knob is released after opening. Ideal for use with cables and rotary latches.

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

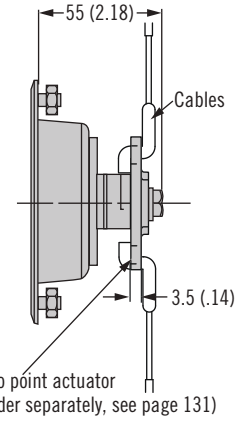
Single Point



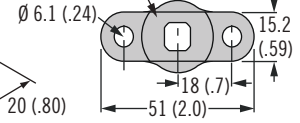
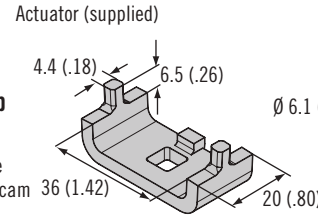
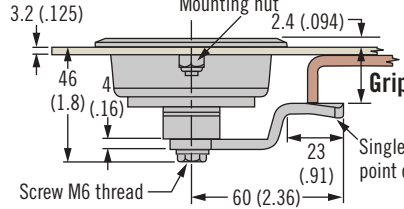
Two Point (for use with rods)



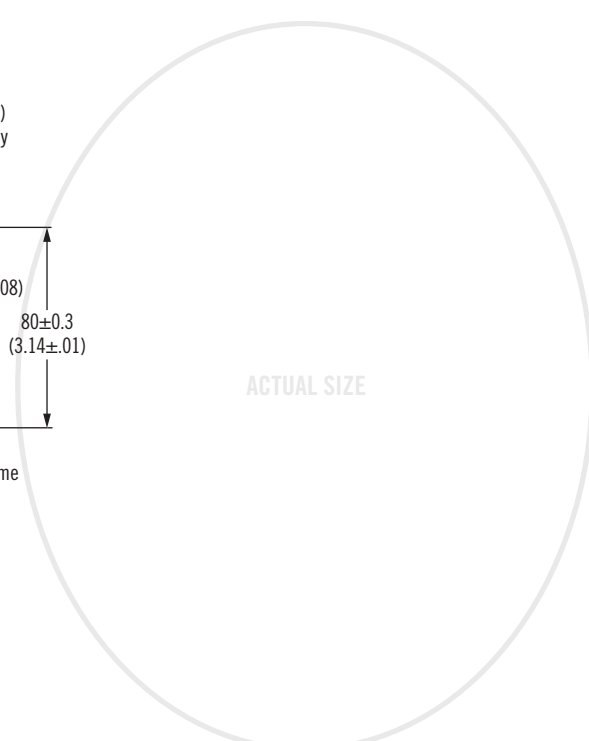
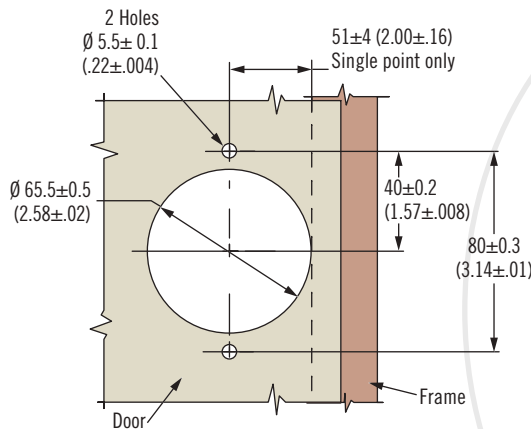
Two Point Push-to-Close Action (spring-loaded)



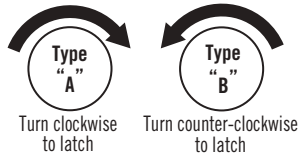
Maximum door thickness



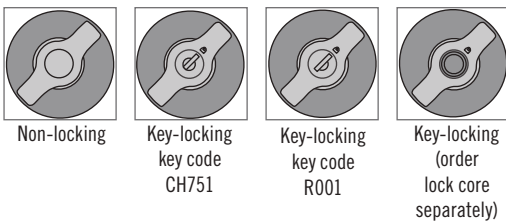
Type A (reverse frame for type B)



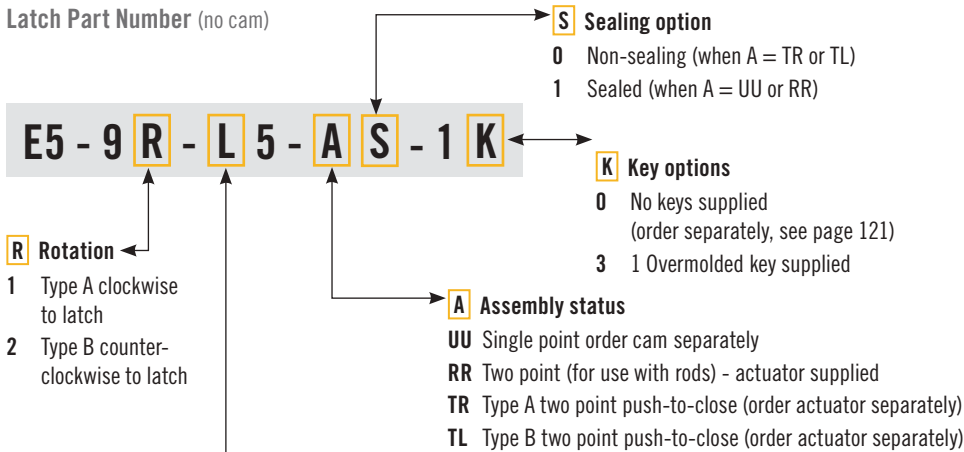
R Rotation



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

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 172 for details.
To be used with *SOUTHCO*® R4
rotary series latches and cables
see page 322.





E5 Cam Latch

Zinc · T-handle · Hand operated · Adjustable grip

- Single hole install
- Multiple key code options
- 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

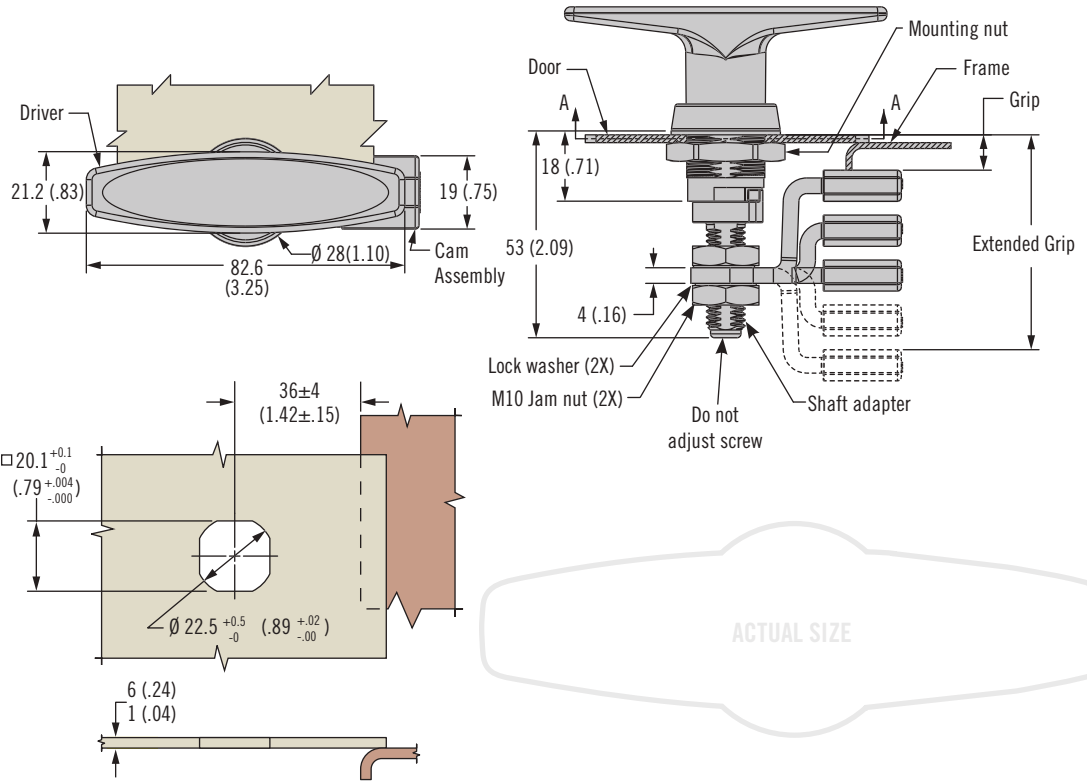
Keys and Accessories

See page 121 and 169-175

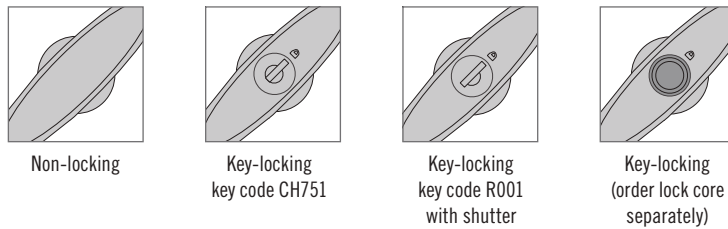
Part Number Selection

See table

Order latch and cam separately.



L Lock Style



Part Number



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 190

F Finish

- 2 Bright chrome
- 5 Black powder coated

K Key options

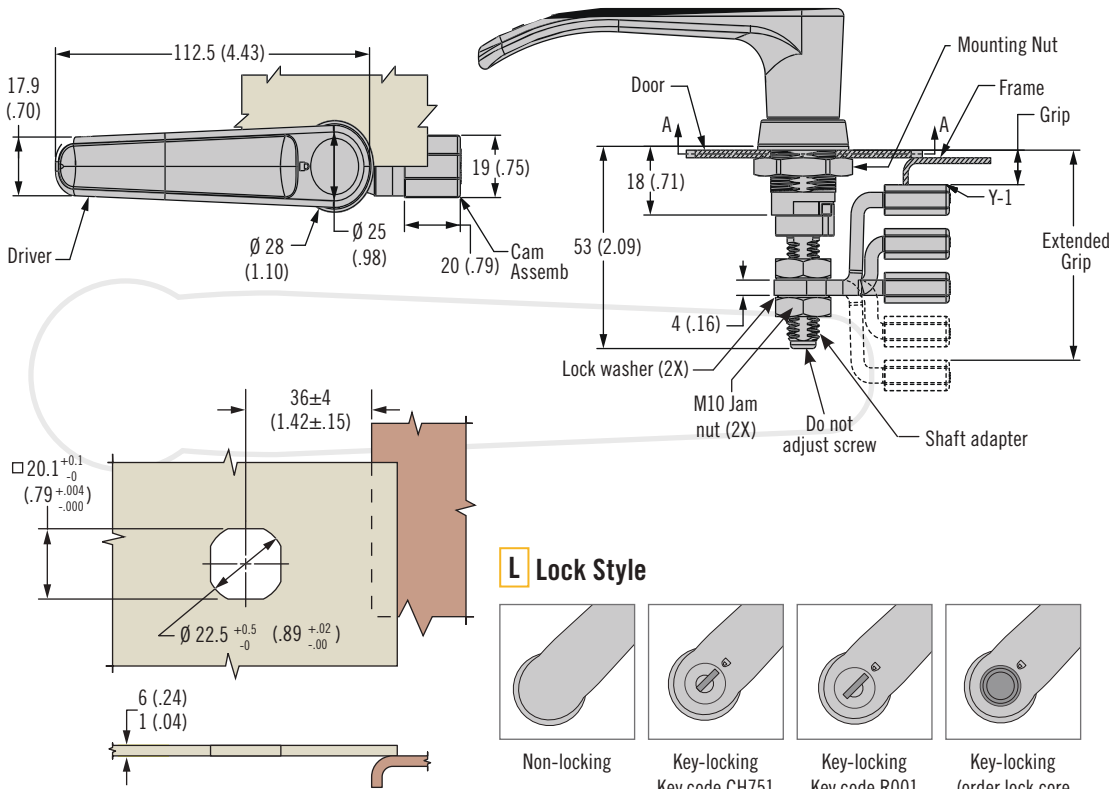
- 0 No keys supplied (order separately, See page 121)
- 3 1 Overmolded key supplied

E5 Cam Latch

Zinc · L-handle · Hand operated · Adjustable grip



165B



- Single hole install
- Multiple key code options
- 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 121 and 169-175

Part Number Selection

See table

Order latch and cam separately.

Part Number

E5 - 9 - L F - 01 - 1 K

F Finish
 2 Bright chrome
 5 Black powder coated

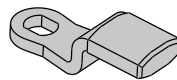
L Lock style

- 70 Non-Locking (omit last two digits of part number)
- 71 Keyed 751 (lock core finish matches handle finish)
- 72 Keyed R001 (stainless steel scalp shuttered)
- 73 Without lock core (omit last two digits of part number)

K Key options

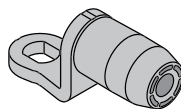
- 0 No keys supplied (order separately, See page 121)
- 3 1 Overmolded key supplied

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



Protected Cam

- Stable frame engagement
- Improved surface contact
- Minimal frame surface prep



Roller Cam

- Reduce operating effort
- Minimize scratching frame finish
- Detented feel (with optional Keeper)

Roller Cam Part Number Table (order separately from latch)				
Minimum Grip +2(.08) -0	Maximum Grip +2(.08) -0	Offset	Cam Type	Part Number
0 (0)	5 (.20)	Extra Deep Cam	Forward	E5-4505
54 (2.13)	62.5 (2.46)	Extra Deep Cam	Reversed	
0 (0)	8 (.31)	Deep Cam	Forward	E5-4506
45 (1.89)	58 (2.28)	Deep Cam	Reversed	
8 (.31)	18 (.71)	Medium Cam	Forward	E5-4507
38 (1.50)	48 (1.89)	Medium Cam	Reversed	
18 (.17)	28 (1.10)	Low Cam	Forward	E5-4508
28 (1.10)	38 (1.50)	Low Cam	Reversed	



E5 Cam Latch

Zinc · Wing Knob · Hand operated · Adjustable grip

- Single hole install
- Multiple key code options
- 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

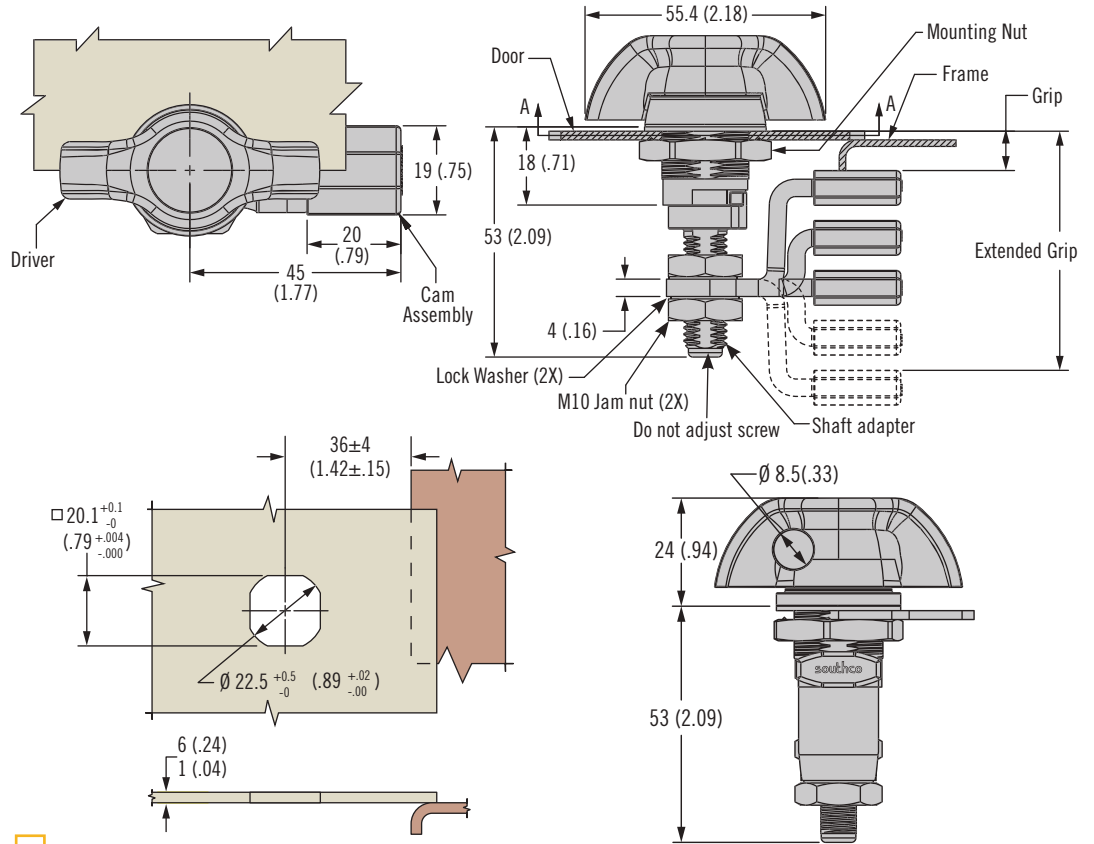
Keys and Accessories

See page 121 and 169-175

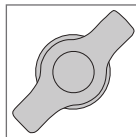
Part Number Selection

See table

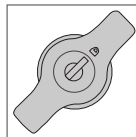
Order latch and cam separately.



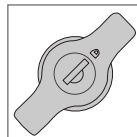
L Lock Styles



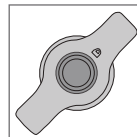
Non-locking



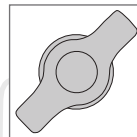
Key-locking
key code CH751



Key-locking
key code R001
with shutter



Key-locking
lock core
(order separately)



Padlockable

ACTUAL SIZE

Part Number

E5 - 9 - L F - 01 - 1 K

L Lock style

- 30 Non-locking (omit last two digits of part number)
- 31 Key-locking black lock core keyed alike CH751
- 33 Without lock core (omit last two digits of part number)
(order lock core separately, see page 190 except PK-65 heavy duty lock)
- 34 Key-Locking stainless steel scalp and shuttered lock core keyed alike CH751,
PK-65 heavy duty lock
- 35 Key-Locking stainless steel scalp and shuttered lock core keyed alike R001,
PK-65 heavy duty lock
- 36 Without lock core (omit last two digits of part number), heavy duty lock
(order lock core separately, see page 190 for PK-65 only) R001, PK-65 heavy duty lock
- 51 Padlockable, Type A clockwise to latch (omit last two digits of part number)
- 52 Padlockable, Type B counter-clockwise to latch (omit last two digits of part number)

F Finish

- 2 Bright chrome
(only for padlockable version)
- 5 Black powder coated

K Key options

- 0 No keys supplied
(order separately, See page 121)
- 3 1 Overmolded key supplied



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 121 and 169-175

Notes

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

Two Point: Order actuator separately (see page 172)

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

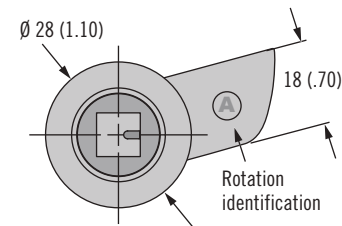
Actuator Part Number

See page 172 for details

Two point to be used with *SOUTHCO*® R4 rotary series latches and cables see page 322

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.

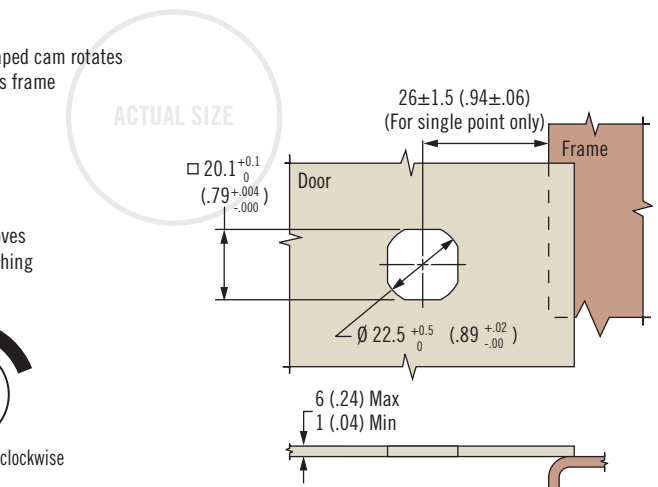
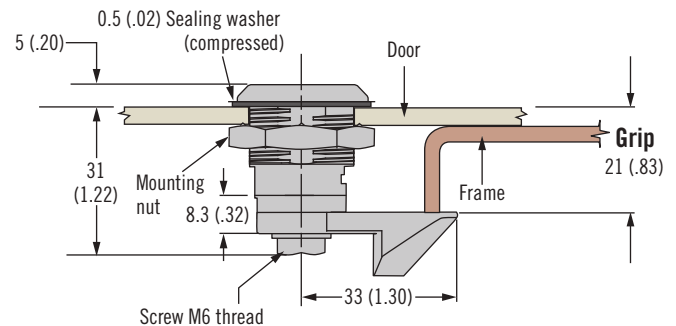
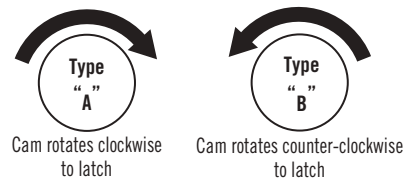
Single Point Spring-Loaded (Type A tool operated shown)



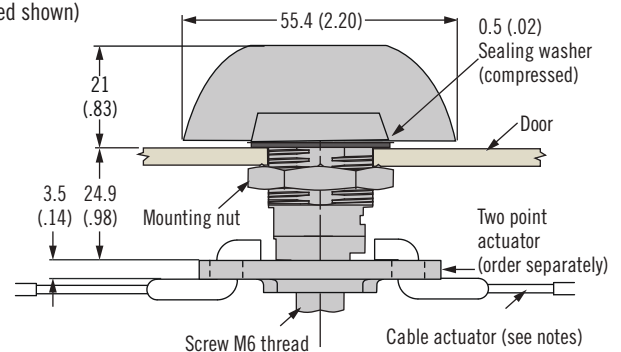
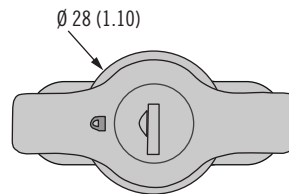
Operation

1. Push door towards frame
2. Ramp-shaped cam rotates as it contacts frame
3. Cam springs back and moves behind frame to achieve latching

R Rotation

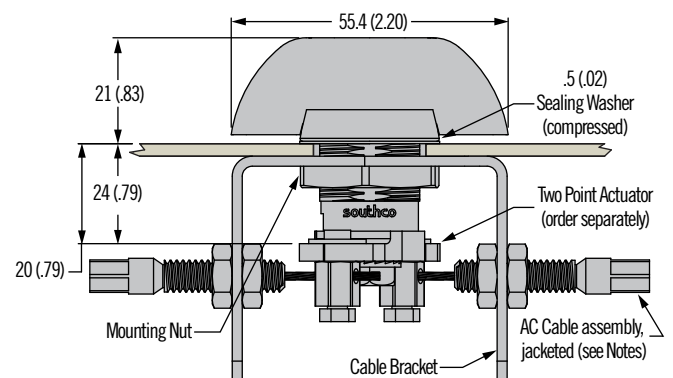


Two Point Spring-Loaded (Type A hand operated shown)



Two Point Actuator for bare cable

(order separately, see page 173)



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

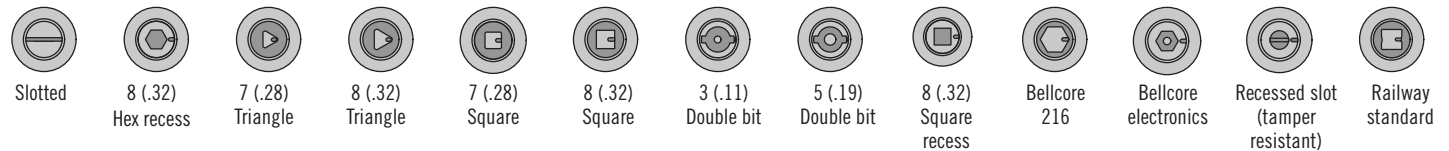
- K Key options**
- 0 No keys supplied (order separately, See page 121)
 - 3 1 Overmolded key supplied

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

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 190)	~	33	63	73

Tool Operated

H Head Styles



- 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

- 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 - 6 - H F - R 0



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 121 and 169-175

Notes

Suitable for push-to-close action see page 166.

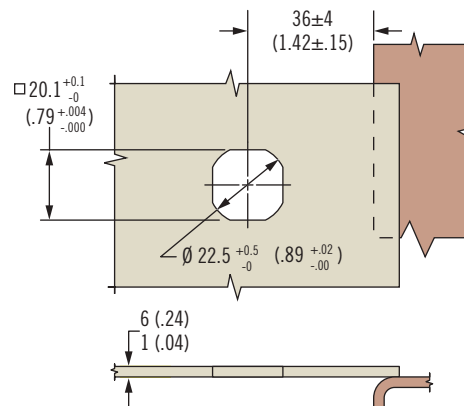
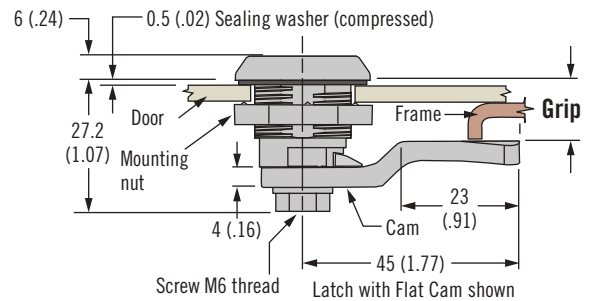
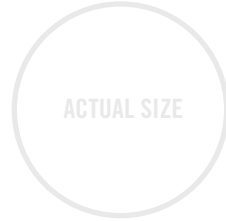
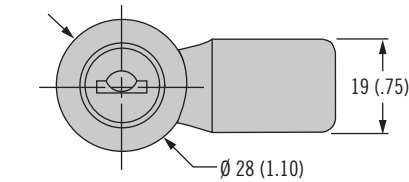
See page 170 for cam part numbers

Part Number Selection

See table

Order latch and cam separately

Cylinder Lock



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

K Key options CH751

- 0 No keys supplied (order separately, see page 121)
- 2 2 Flat keys supplied

Latch Part Number
(no cam)

E5 - 5 - 40 F - UU1 - 1 K

E5 Cam Latch Accessories

Flush Mount Bracket

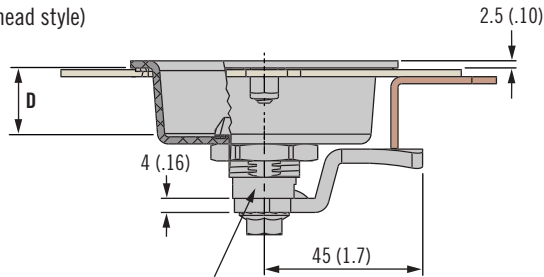


Flush Cup

- D** Depth
- 1 19 (.75) (for wingknob head style)
 - 2 4 (.16) (for tool head style)

E5 - 2 M - 60 D - 5

- M** Mounting Style
- 0 M6 Studs
 - 1 Through hole



To calculate total grip, add cup depth (D) to latch grip

Material and Finish

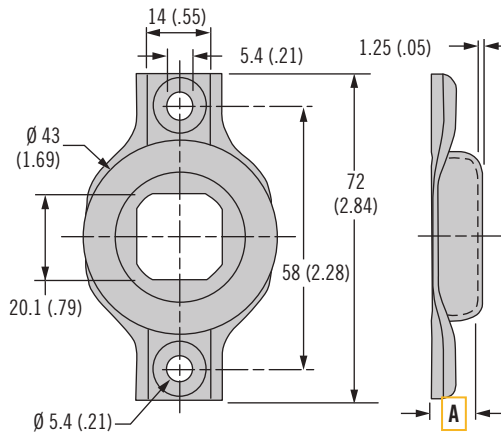
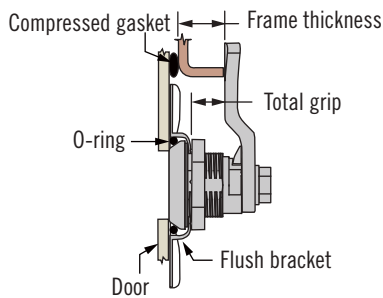
Stainless steel or galvanized steel with rubber o-ring

Notes

For use with tool operated standard series cam latches, see pages 159, 163-168

See page 117 for additional dimensions

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.

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



E5 Cam Latch Accessories

Cams

Material and Finish

Standard cam: steel

Protected cam: steel, nylon

Roller cam: steel, nylon

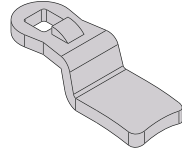
Installation Notes

- Install cam to latch assembly. Properly orient for rotation & grip
- Install screw. Tighten to 5 N-m (44 in-lbf) MAX

Part Number Selection

See table for cam part number
Order latch and cam separately
For latch part number, see pages
154-155

Cam Options



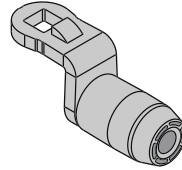
Standard Cam

- Stable frame engagement
- Improved surface contact
- Minimal frame surface prep



Protected Cam

- Stable frame engagement
- Minimize scratching frame finish
- Minimal frame surface prep



Roller Cam

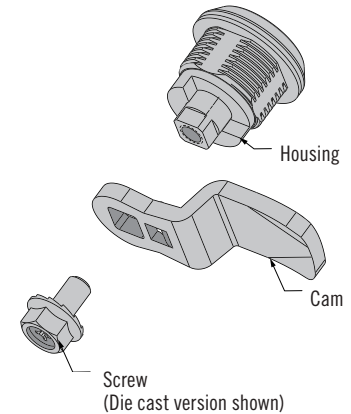
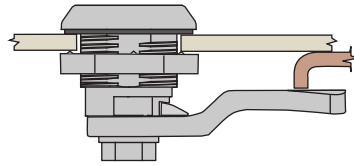
- Reduce operating effort
- Minimize scratching frame finish
- Detented feel (with optional Keeper)



Optional Keeper for Roller Cam

Part number E5-74-601-33

Short Housing Table



Cam Part Number Table (order separately from latch)							
Grip +2(.08) -0(.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number	Grip +2(.08) -0(.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
4 (.16)	E5-6003	E5-6003-P	-	14 (.55)	E5-6008	E5-6008-P	-
6 (.24)	E5-6004	E5-6004-P	-	16 (.63)	E5-6009	E5-6009-P	E5-7009
8 (.31)	E5-6005	E5-6005-P	-	18 (.71)	E5-6010	E5-6010-P	E5-7010
10 (.39)	E5-6006	E5-6006-P	-	20 (.79)	E5-6011	E5-6011-P	E5-7011
12 (.47)	E5-6007	E5-6007-P	-	22 (.87)	E5-6012	E5-6012-P	E5-7012

Cam Part Number Table (order separately from latch)							
Grip +2(.08) -0(.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number	Grip +2(.08) -0(.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
24 (.94)	E5-6013	E5-6013-P	E5-7013	34 (1.34)	E5-6018	E5-6018-P	E5-7018
26 (1.02)	E5-6014	E5-6014-P	E5-6014	36 (1.42)	E5-6019	E5-6019-P	E5-7019
28 (1.10)	E5-6015	E5-6015-P	E5-7015	38 (1.50)	E5-6020	E5-6020-P	E5-7020
30 (1.18)	E5-6016	E5-6016-P	E5-7016	40 (1.57)	E5-6021	E5-6021-P	E5-7021
32 (1.25)	E5-6017	E5-6017-P	E5-7017	42 (1.65)	E5-6022	E5-6022-P	E5-7022

If grip falls between two choices, use the smaller options

Dimensions in millimeters (inch) unless otherwise stated

E5 Cam Latch Accessories

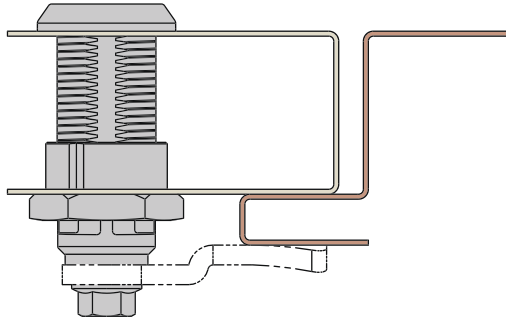
Cams



Long Housing Table

E5 - 6A - H F - UU D

D	Door Thickness	Grip Range
1	1-18 (.04-.71)	5-53 (.20-2.09)
2	1-18 (.04-.71)	54-82 (2.13-3.23)



Material and Finish

Standard cam: steel
 Protected cam: steel, nylon
 Roller cam: steel, nylon

Cam Part Number Table (order separately from latch)				
D	Grip +2 (.08) -0 (.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
1	5 (.2)	E5-6028	E5-6028-P	-
	7 (.28)	E5-6027	E5-6027-P	-
	9 (.35)	E5-6026	E5-6026-P	-
	11 (.43)	E5-6025	E5-6025-P	-
	13 (.51)	E5-6024	E5-6024-P	-
	15 (.59)	E5-6023	E5-6023-P	-
	17 (.67)	E5-6001	E5-6001-P	-
	19 (.75)	E5-6002	E5-6002-P	-
	21 (.83)	E5-6003	E5-6003-P	-
	23 (.91)	E5-6004	E5-6004-P	-
	25 (.98)	E5-6005	E5-6005-P	-
	27 (1.06)	E5-6006	E5-6006-P	-
	29 (1.14)	E5-6007	E5-6007-P	-
	31 (1.22)	E5-6008	E5-6008-P	-
	33 (1.3)	E5-6009	E5-6009-P	E5-7009
	35 (1.38)	E5-6010	E5-6010-P	E5-7010
	37 (1.46)	E5-6011	E5-6011-P	E5-7011
	39 (1.54)	E5-6012	E5-6012-P	E5-7012
	41 (1.61)	E5-6013	E5-6013-P	E5-7013
	43 (1.69)	E5-6014	E5-6014-P	E5-7014
45 (1.77)	E5-6015	E5-6015-P	E5-7015	
45 (1.77)	E5-6015	E5-6015-P	E5-7015	
45 (1.77)	E5-6015	E5-6015-P	E5-7015	
45 (1.77)	E5-6015	E5-6015-P	E5-7015	
53 (3.07)	E5-6019	E5-6019-P	E5-7019	

Cam Part Number Table (order separately from latch)				
D	Grip +2 (.08) -0 (.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
2	54 (2.13)	E5-6108	E5-6108-P	-
	56 (2.2)	E5-6109	E5-6109-P	E5-7109
	58 (2.28)	E5-6110	E5-6110-P	E5-7110
	60 (2.36)	E5-6111	E5-6111-P	E5-7111
	62 (2.44)	E5-6112	E5-6112-P	E5-7112
	64 (2.52)	E5-6113	E5-6113-P	E5-7113
	66 (2.6)	E5-6114	E5-6114-P	E5-7114
	68 (2.68)	E5-6115	E5-6115-P	E5-7115
	70 (2.76)	E5-6116	E5-6116-P	E5-7116
	72 (2.83)	E5-6117	E5-6117-P	E5-7117
	74 (2.91)	E5-6118	E5-6118-P	E5-7118
	76 (2.99)	E5-6119	E5-6119-P	E5-7119
	78 (3.07)	E5-6120	E5-6120-P	E5-7120
	80 (3.15)	E5-6121	E5-6121-P	E5-7121
	82 (3.23)	E5-6122	E5-6122-P	E5-7122

Part Number Selection

See table for cam part number
 Order latch and cam separately
 For latch part number, see pages
 154-155

If grip falls between two choices, use the smaller options





E5 Cam Latch Accessories

Cams

Material and Finish

Standard cam: steel
 Protected cam: steel, nylon
 Roller cam: steel, nylon

Part Number Selection

See table for cam part number
 Order latch and cam separately
 For latch part number, see pages
 154-155

Long Housing Table



D	Door Thickness	Grip Range
3	18-33 (.71-1.30)	18-66 (.71-2.60)
4	18-33 (.71-1.30)	68-82 (2.60-3.23)
5	33-51 (1.30-2.00)	34-82 (1.34-3.23)

Cam Part Number Table (order separately from latch)				
D	Grip +2 (.08) -0 (.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
3	18 (.71)	E5-6128	E5-6123-P	E5-7118
	20 (.79)	E5-6127	E5-6122-P	E5-7117
	22 (.87)	E5-6126	E5-6121-P	E5-7116
	24 (.94)	E5-6125	E5-6120-P	E5-7115
	26 (1.02i)	E5-6124	E5-6119-P	E5-7114
	28 (1.1)	E5-6123	E5-6123-P	E5-7113
	30 (1.18)	E5-6101	E5-6117-P	E5-7112
	32 (1.26)	E5-6102	E5-6116-P	E5-7111
	34 (1.34)	E5-6103	E5-6115-P	E5-7110
	36 (1.42)	E5-6104	E5-6114-P	E5-7109
	38 (1.5)	E5-6105	E5-6113-P	-
	40 (1.57)	E5-6106	E5-6112-P	-
	42 (1.65)	E5-6107	E5-6111-P	-
	44 (1.73)	E5-6108	E5-6110-P	-
	46 (1.81)	E5-6109	E5-6109-P	-
	48 (1.89)	E5-6110	E5-6110-P	E5-7010
	50 (1.97)	E5-6111	E5-6111-P	E5-7011
	52 (2.05)	E5-6112	E5-6112-P	E5-7012
	54 (2.13)	E5-6113	E5-6113-P	E5-7013
	56 (2.2)	E5-6114	E5-6114-P	E5-7014
58 (2.28)	E5-6115	E5-6115-P	E5-7015	
60 (2.36)	E5-6116	E5-6116-P	E5-7016	
62 (2.44)	E5-6117	E5-6117-P	E5-7017	
64 (2.52)	E5-6118	E5-6118-P	E75-7018	
66 (2.6)	E5-6119	E5-6119-P	E5-7019	

Cam Part Number Table (order separately from latch)				
D	Grip +2 (.08) -0 (.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
4	66 (2.6)	E5-6114	E5-7114	
	68 (2.68)	E5-6115	E5-7115	
	70 (2.76)	E5-6116	E5-7116	
	72 (2.83)	E5-6117	E5-7117	
	74 (2.91)	E5-6118	E5-7118	
	76 (2.99)	E5-6119	E5-7119	
	78 (3.07)	E5-6120	E5-7120	
	80 (3.15)	E5-6121	E5-7121	
	82 (3.23)	E5-6122	E5-7122	

Cam Part Number Table (order separately from latch)				
D	Grip +2 (.08) -0 (.00)	Standard Cam Part Number	Protected Cam Part Number	Roller Cam Part Number
5	34 (1.34)	E5-6125	E5-6120-P	E5-7115
	36 (1.42)	E5-6124	E5-6119-P	E5-7114
	38 (1.5)	E5-6123	E5-6123-P	E5-7113
	40 (1.57)	E5-6101	E5-6117-P	E5-7112
	42 (1.65)	E5-6102	E5-6116-P	E5-7111
	44 (1.73)	E5-6103	E5-6115-P	E5-7110
	46 (1.81)	E5-6104	E5-6114-P	E5-7109
	48 (1.89)	E5-6105	E5-6113-P	-
	50 (1.97)	E5-6106	E5-6112-P	-
	52 (2.05)	E5-6107	E5-6111-P	-
	54 (2.13)	E5-6108	E5-6110-P	-
	56 (2.2)	E5-6109	E5-6109-P	E5-7109
	58 (2.28)	E5-6110	E5-6110-P	E5-7110
	60 (2.36)	E5-6111	E5-6111-P	E5-7111
	62 (2.44)	E5-6112	E5-6112-P	E5-7112
	64 (2.52)	E5-6113	E5-6113-P	E5-7113
	66 (2.6)	E5-6114	E5-6114-P	E5-7114
	68 (2.68)	E5-6115	E5-6115-P	E5-7115
	70 (2.76)	E5-6116	E5-6116-P	E5-7116
	72 (2.83)	E5-6117	E5-6117-P	E5-7117
	74 (2.91)	E5-6118	E5-6118-P	E5-7118
	76 (2.99)	E5-6119	E5-6119-P	E5-7119
	78 (3.07)	E5-6120	E5-6120-P	E5-7120
	80 (3.15)	E5-6121	E5-6121-P	E5-7121
82 (3.23)	E5-6122	E5-6122-P	E5-7122	



E5 Cam Latch Accessories

Multi-point actuators · Dummy cam

Material and Finish

Zinc alloy

Notes

Actuator plate (for multi-point see page 322 for cable assembly)
(Not recommended for Cylinder Lock version)

Not to be used with low profile E5

Material and Finish

Steel, plated

Notes

Actuator plate (for multi-point see pages 230-231 for rods)

For use with all E5 latches

Material and Finish

Zinc alloy and steel, zinc plated

Notes

Actuator plate (for multi-point see page 230 for rods)

Not to be used with low profile E5

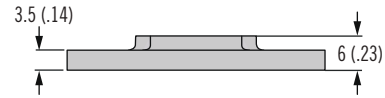
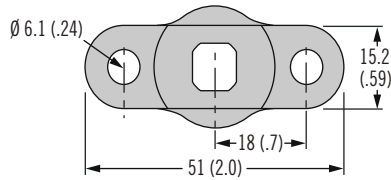
Material and Finish

Steel, stainless steel

Notes

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

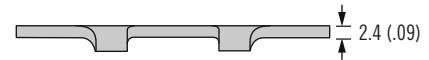
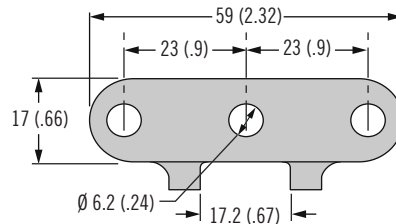
Multi-Point Actuator



Part Number

A5-91-201-11

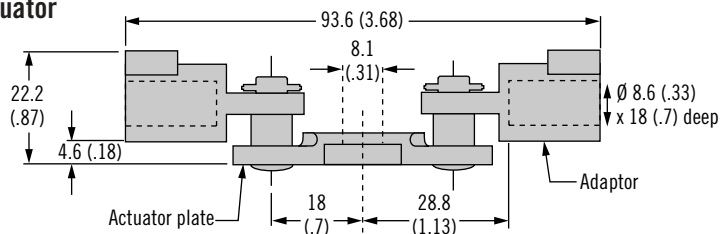
Multi-Point Actuator - Low Profile



Part Number

A8-4-01-03

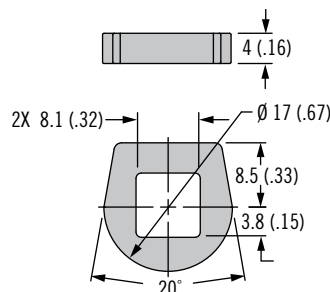
Multi-Point Actuator



Part Number

A5-90-101-11

Dummy Cam



Part Number

Steel

H3-0-45688

Stainless Steel

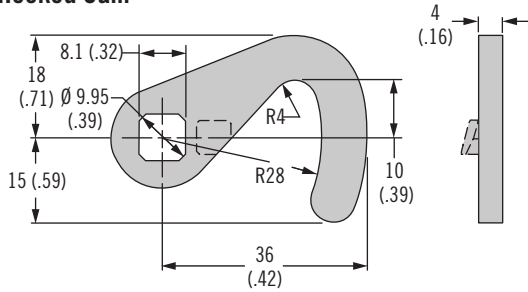
H3-0-45688-24

E5 Cam Latch Accessories

Hooked cam · Multi-point actuator · Cable brackets

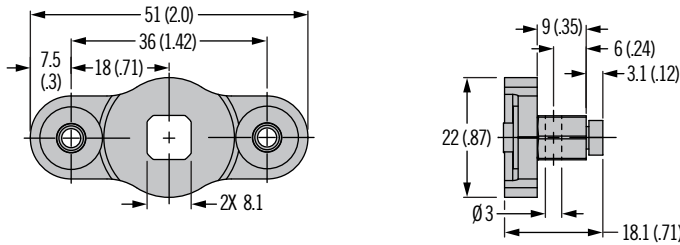


Hooked Cam



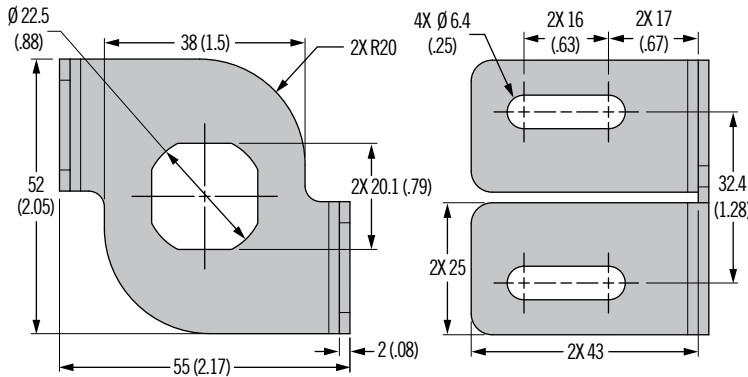
Hooked Cam Part Number	
E5-6200	No stop
E5-6210	Stop for clockwise rotation
E5-6220	Stop for counter-clockwise rotation

Multi-Point Actuator



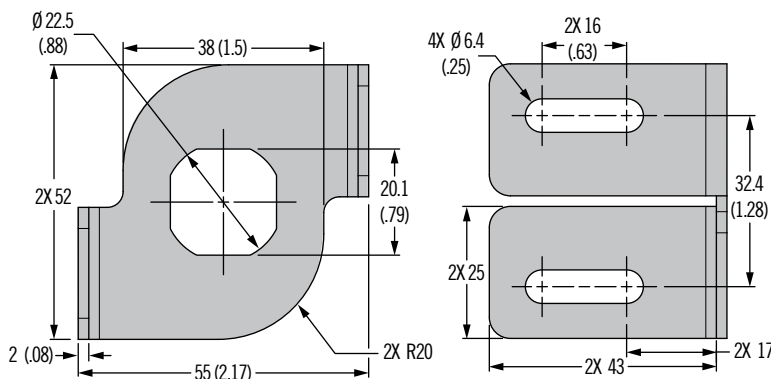
Part Number	
A5-99-136	

Cable Bracket – Counter Clockwise Rotation



Part Number	
AC-0-49617-11-L	

Cable Bracket – Clockwise Rotation



Part Number	
AC-0-49617-11-R	

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

Notes

Use Type B latch with bracket ending in -L and Type A with bracket ending in -R

Part Number

See table

Notes

See page 322 for additional cable assembly selections



E5 Cam Latch and E9 Compression Latch Accessories

Pull tab · Padlock bracket

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**.

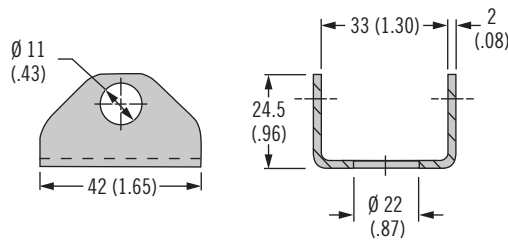
Notes

Padlock brackets and pull tabs for use with E9 or tool operated and cylinder lock E5.

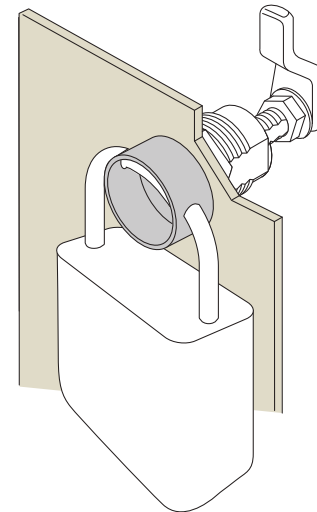
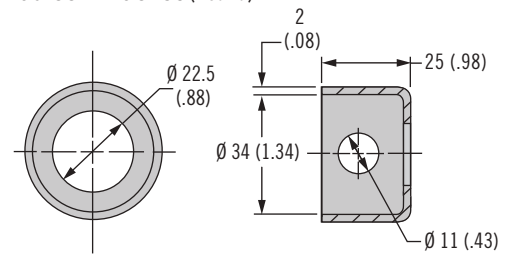
Part Number

See table

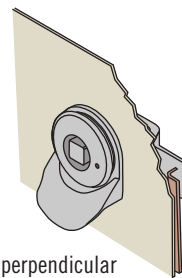
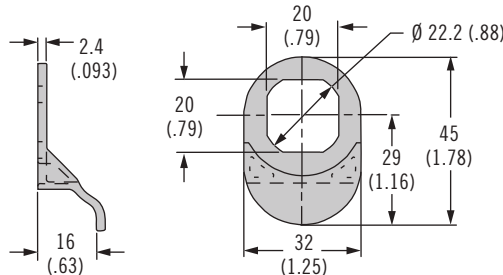
Padlock Bracket (Square)



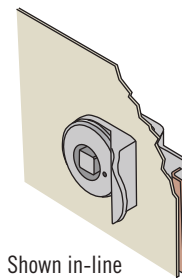
Padlock Bracket (Round)



Pull Tab



Shown perpendicular to latch cam



Shown in-line with latch cam

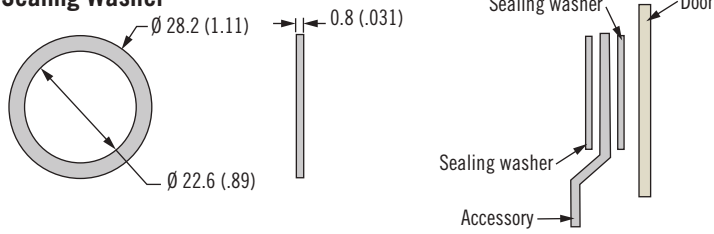
Type	Part Number	Grip Adjustment Formula
Padlock bracket square	E3-77-101-31	Add 2 (.08) to door thickness
Padlock bracket round	E3-77-102-31	Add 2 (.08) to door thickness
Pull tab	E5-18	Add 2.4 (.093) to door thickness

E5 Cam Latch and E9 Compression Latch Accessories

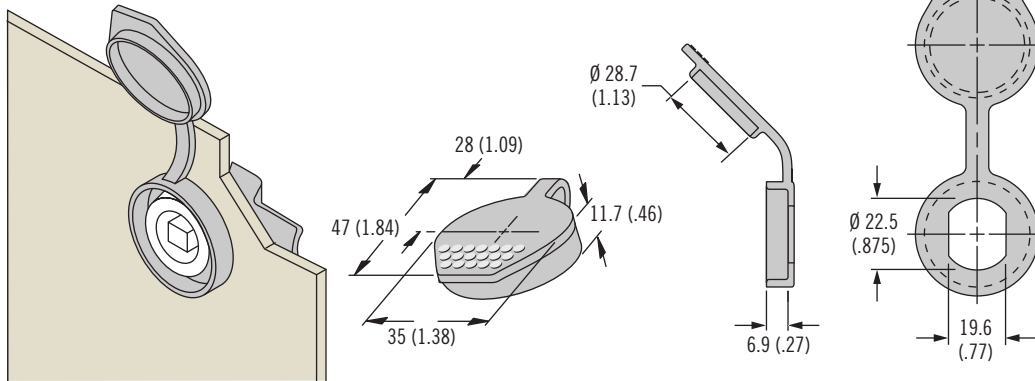
Sealing cover · Sealing washer



Sealing Washer



Sealing Cover - Plastic



Material and Finish

Sealing washer: Neoprene natural
 Sealing cover: Thermoplastic elastomer, black or stainless steel, electropolished

Installation Notes

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

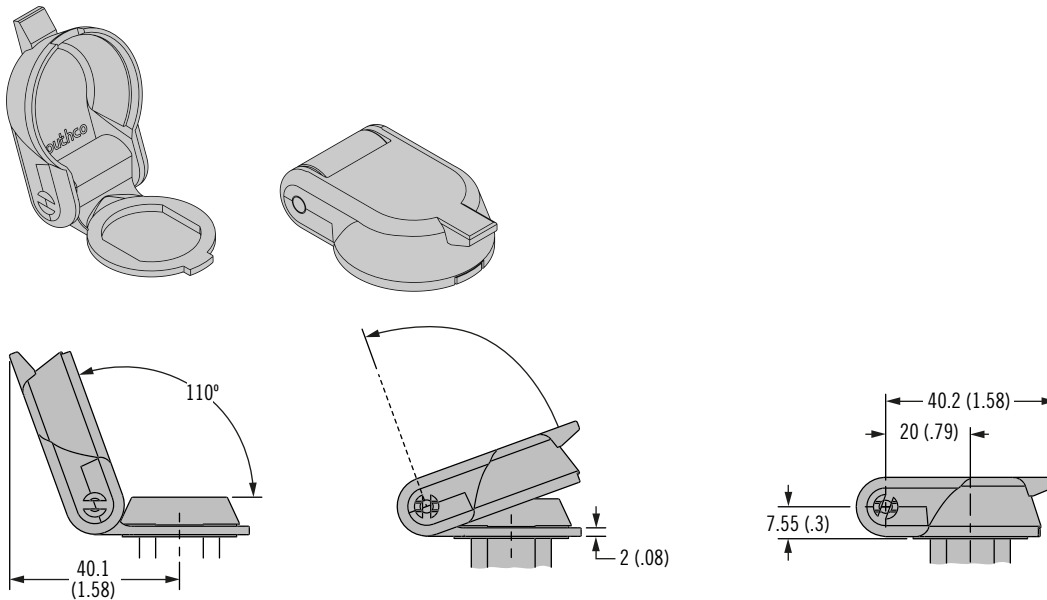
Notes

Sealing washer for use with all E5 and E9 products
 Sealing cover for use with E9 or tool operated and cylinder lock E5

Part Number

See table

Bi-Stable Sealing Cover - Stainless Steel



Type	Part Number	Grip Adjustment Formula
Sealing Washer	E5-17	Add 0.4 (.02) compressed height to door thickness
Sealing Cover – Plastic	90-3	Add 2.3 (.090) to door thickness
Bi-Stable Sealing Cover – Stainless Steel	E3-80-262-40	Add 2.0 (0.8) to door thickness



92 Cam Latch

T and L-Handle · Adjustable grip

- Round hole install
- Detents in open and closed position

Material and Finish

Zinc alloy and steel, zinc plated

Performance Details

Maximum static load:

Short cam 400 N (90 lbf)

Long cam 200 N (45 lbf)

Installation Notes

Screw and lockwasher assembly M4 x 10 (supplied).

For door thickness > 3.0 (.12), calculate screw length using the following formula:

Door thickness + 7.00 (.28)

Keys

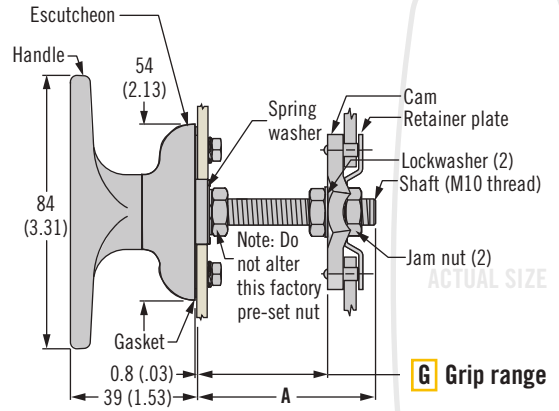
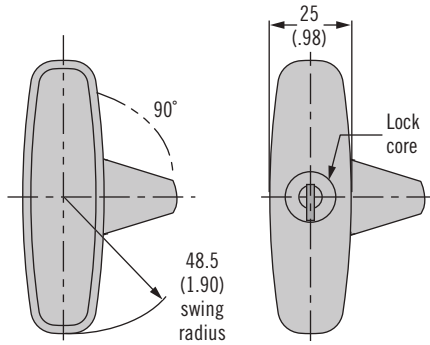
See page 120 and 169-175

Notes

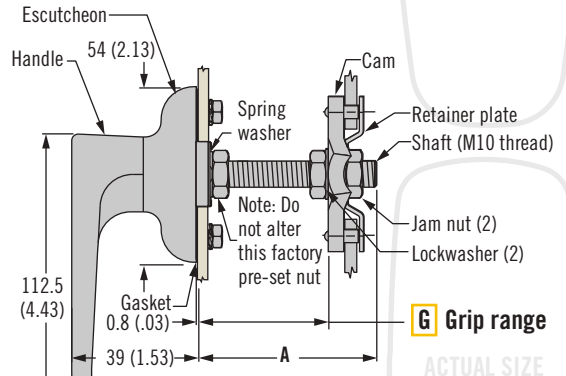
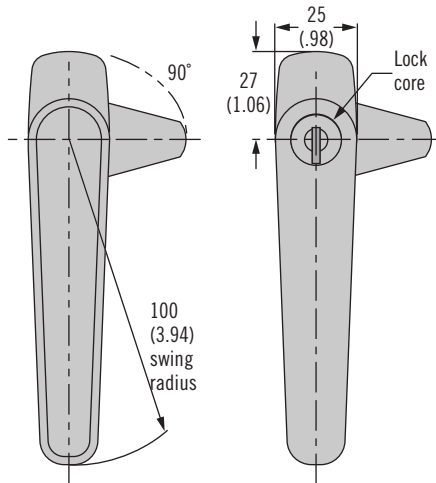
For fixed grip versions see page 162

For version with 8 (.32) square shaft see page 185

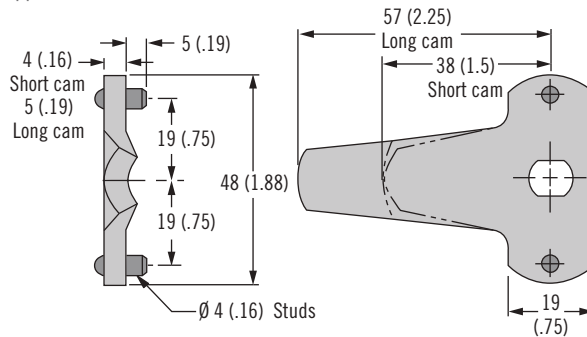
T-Handle



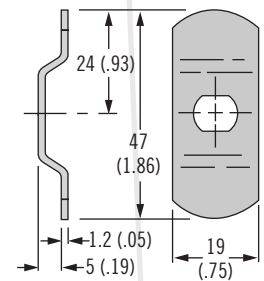
L-Handle



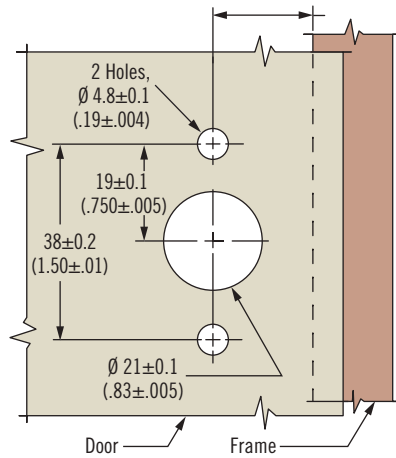
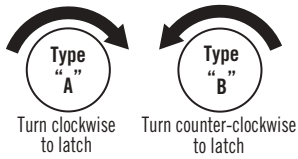
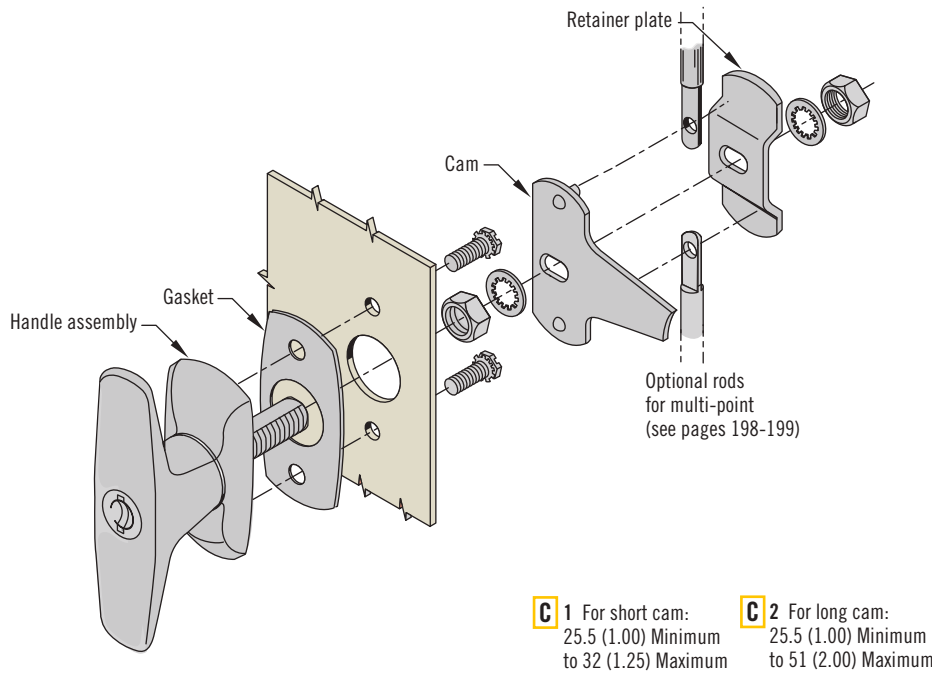
Cam (supplied)



Retainer Plate (supplied)

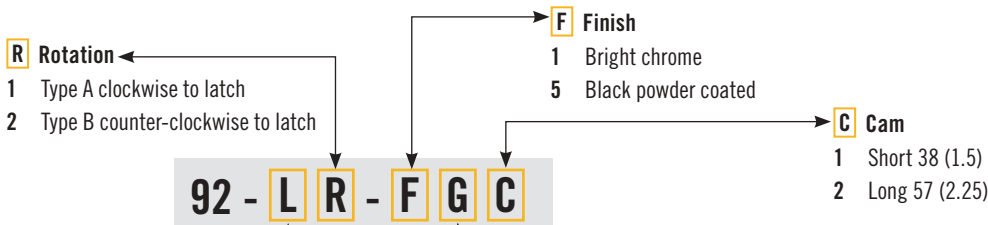


Dimensions in millimeters (inch) unless otherwise stated



Part Number Selection

See table



G Grip	Minimum	Maximum	A
1		19 (.75)	32 (1.25)
2	16 (.63)	32 (1.25)	44.5 (1.75)
3		44.5 (1.75)	57.5 (2.25)



68 Cam Latch

Small · T-Handle · Adjustable grip

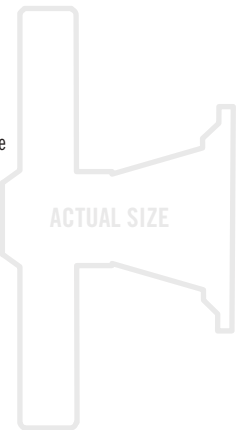
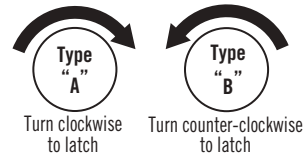
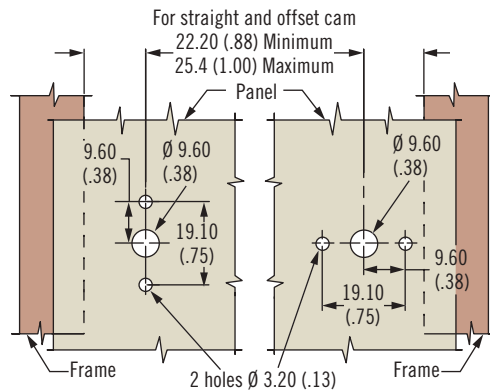
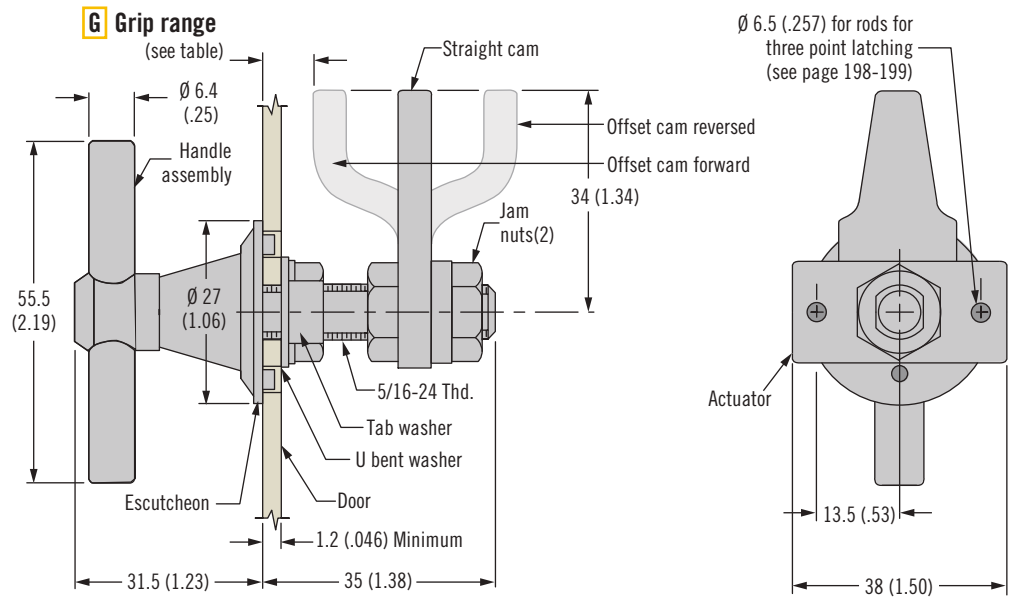
• Robust design

Material and Finish

Zinc alloy and steel, zinc plated

Performance Details

Maximum static load:
1100 N (250 lbf)



Part Number Selection

See table

68 - 50 - 30 **G** - **F**

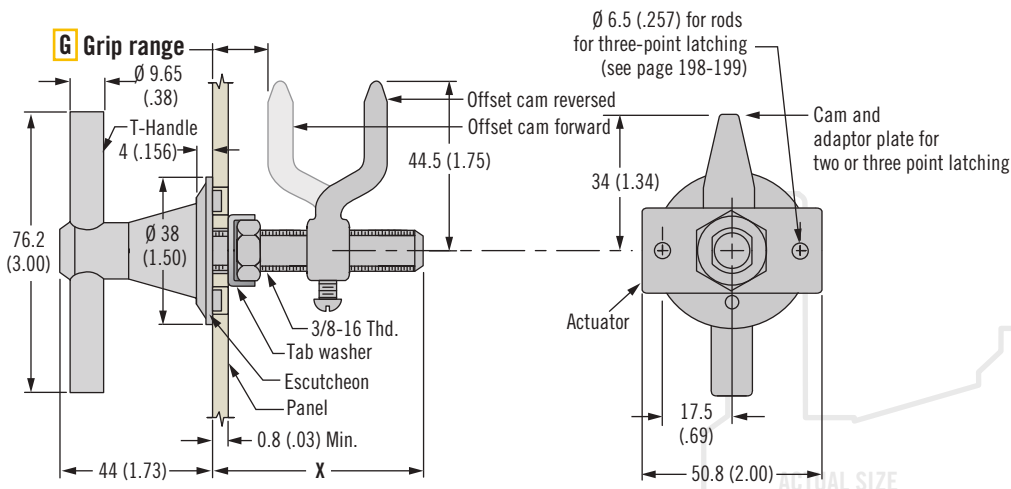
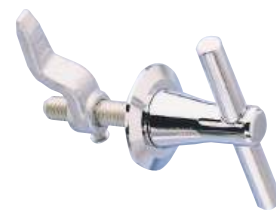
G Grip	Minimum	Maximum	Cam Type
1	0 (0)	12.7 (.50)	Offset cam forward position
	25.4 (1.00)	38 (1.50)	Offset cam reversed position
2	12.7 (.50)	25.4 (1.00)	Straight cam

F Finish

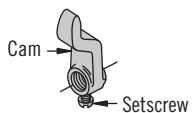
- 10 Zinc plate bright chromate
- 20 Chrome plated

68 Cam Latch

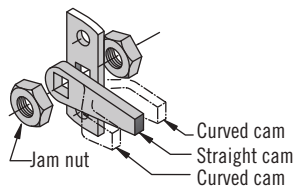
Medium · T-Handle · Adjustable grip



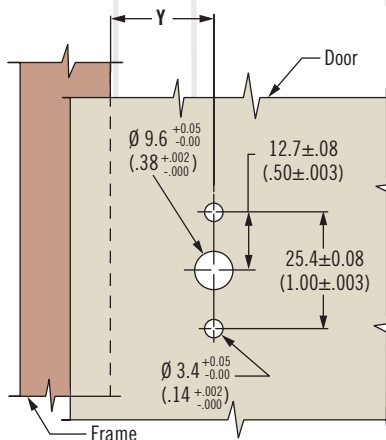
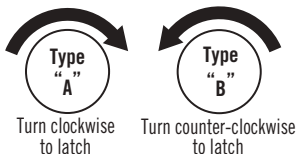
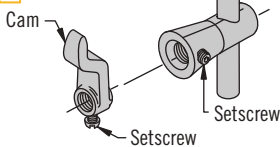
A Single point



A Three point



A Inside release



- Robust design
- Optional internal actuation

Material and Finish

Zinc alloy and steel, zinc plated

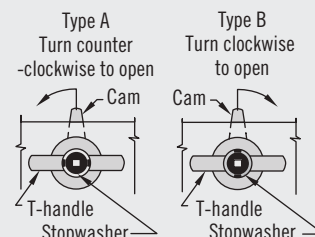
Performance Details

Maximum static load:
1100 N (250 lbf)

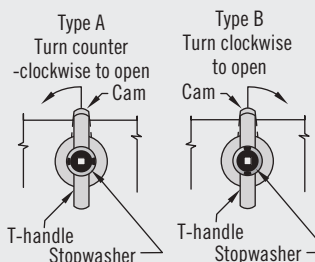
Installation Notes

T-handle orientation and operation:

1. Handle parallel to the edge of door when latched.



2. Handle perpendicular to edge of door when latched.



Part Number Selection

See table

A Assembly

- 1 Single point
- 3 Three point
- 4 Inside release

68 - 10 - A 0 G - F

F Finish

- 10 Zinc plate bright chromate
- 20 Chrome plated

Assembly	G Grip	Grip Range		X	Y	Cam Type
		Minimum	Maximum			
Single point	1	3.2 (.13)	25.4 (1.00)	46.4 (1.83)	31.8±3.2 (1.25±.13)	Offset cam forward position
		25.4 (1.00)	50.8 (2.00)			Offset cam reversed position
Three point	1	1.6 (.06)	19.8 (.78)		28.6±1.6 (1.13±.06)	Offset cam forward position
		27 (1.06)	45.2 (1.78)			Offset cam reversed position
	2	14.3 (.56)	32.5 (1.28)			Straight cam
Inside release	1	3.2 (.13)	25.4 (1.00)		65 (2.56)	31.8±3.2 (1.25±.13)
		25.4 (1.00)	50.8 (2.00)	Offset cam reversed position		



68 Cam Latch

Medium · Folding bail handle · Adjustable grip

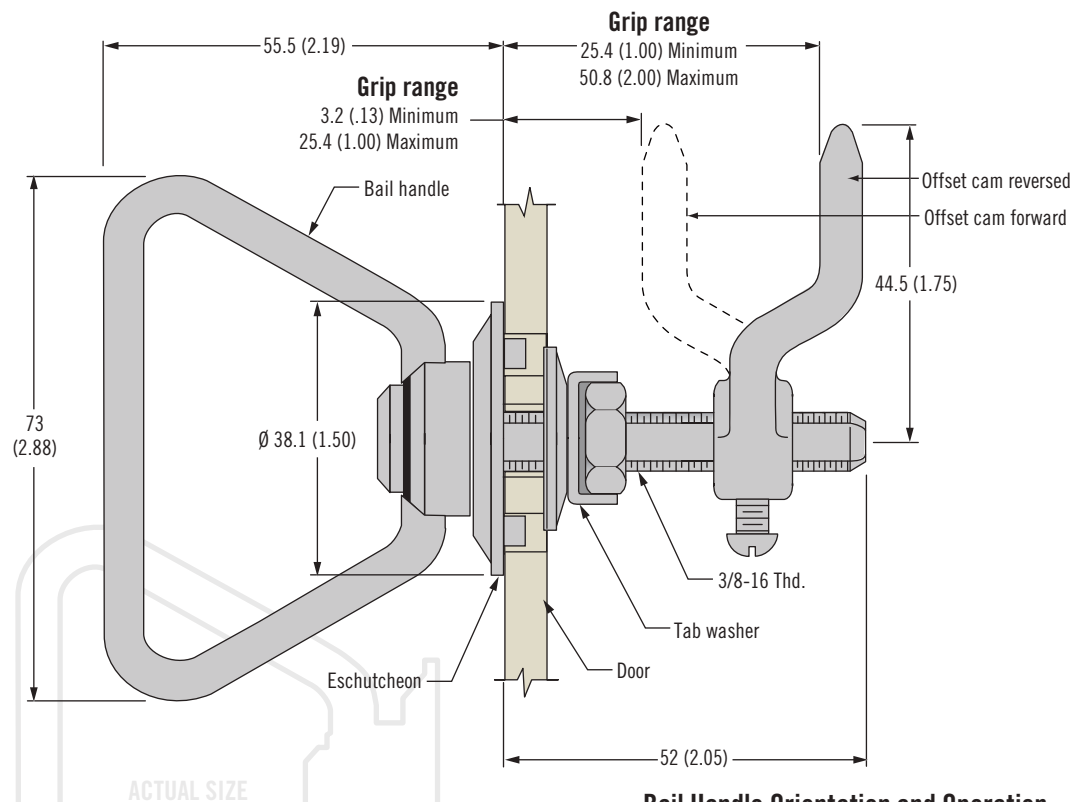
- Robust design
- 90° rotation

Material and Finish

Zinc alloy and steel, zinc plated

Performance Details

Maximum static load
890 N (200 lbf)

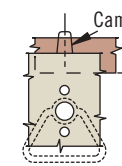


Bail Handle Orientation and Operation

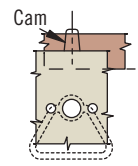
(Shown in latched position)

Type "A"
(Turn clockwise
to latch)

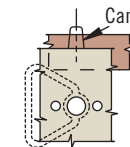
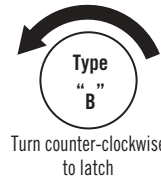
Type "B"
(Turn counter-
clockwise to latch)



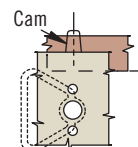
Bail parallel to edge
of door when latched



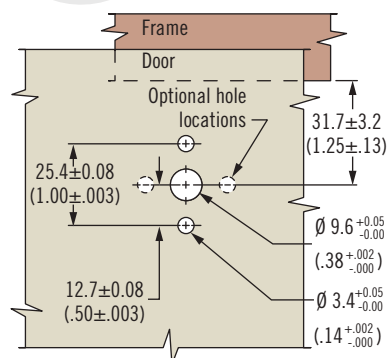
Bail parallel edge
of door when latched



Bail perpendicular
to edge of door
when latched



Bail perpendicular
to edge of door
when latched



Part Number Selection

See table

68 - 20 - 101 - **F**

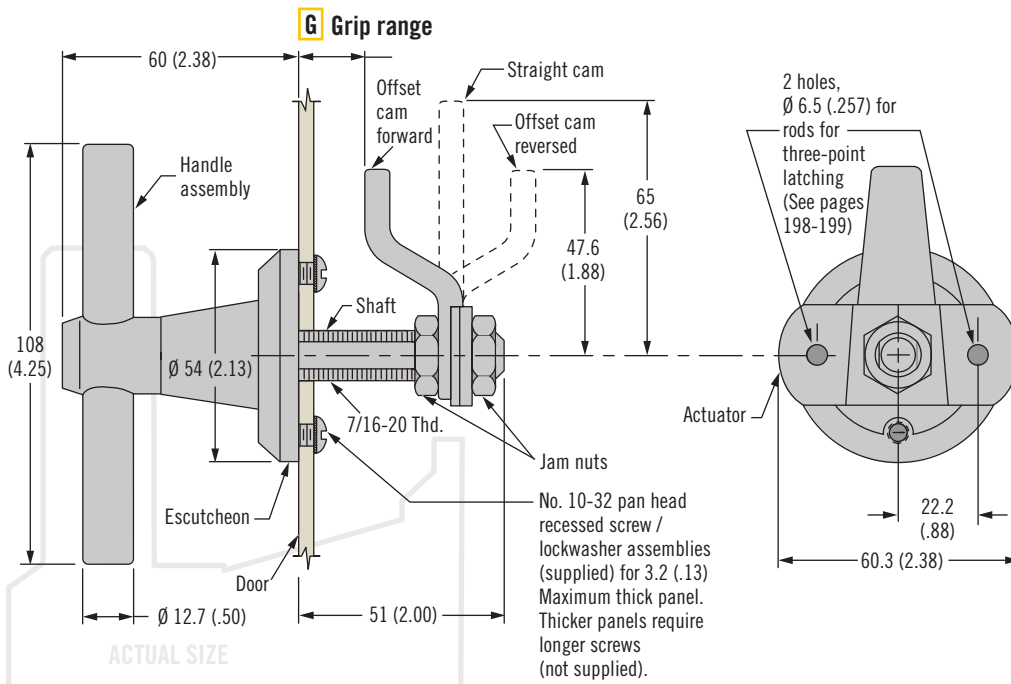
F Finish

10 Zinc plate bright chromate

20 Chrome plated

68 Cam Latch

Large · T-Handle · Adjustable grip



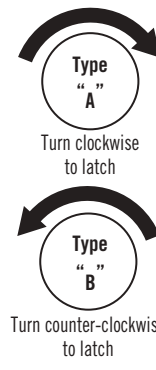
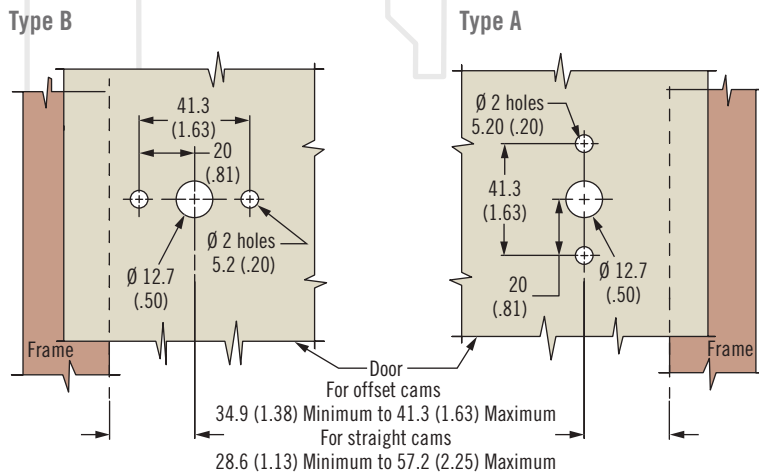
- Robust construction
- 90° movement

Material and Finish

Zinc alloy and steel, zinc plated

Performance Details

Maximum static load:
1300 N (300 lbf)



Part Number Selection

See table

68 - 70 - 30 **G** - **F**

Grip	Minimum	Maximum	Cam Type
1	0 (0)	19 (.75)	Offset cam forward position
	25.4 (1.00)	57 (2.25)	Offset cam reversed position
2	6.4 (.25)	38 (1.50)	Straight cam

F Finish
 10 Zinc plate bright chromate
 20 Chrome plated



01 Cam Latch

Small · Flush handle · Cup style · Adjustable grip

- Low profile design

Material and Finish

ABS, zinc and steel, zinc plated

Performance Details

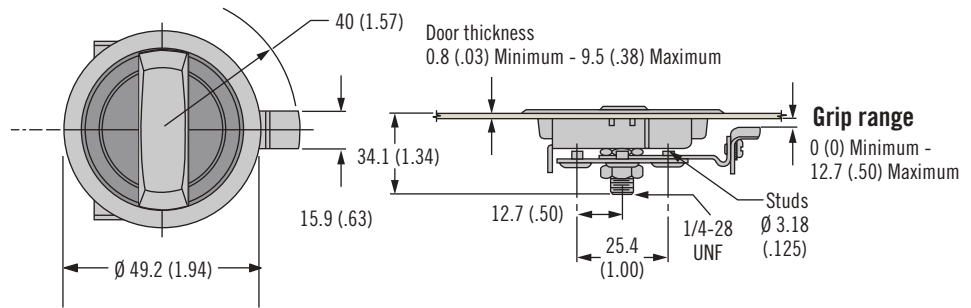
Maximum static load: 160 N (35 lbf)

Flammability rating: UL94-HB

Notes

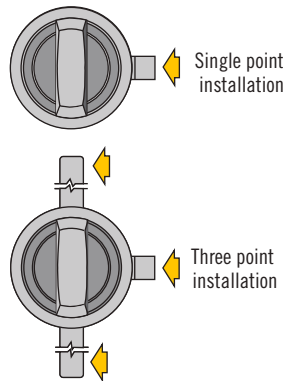
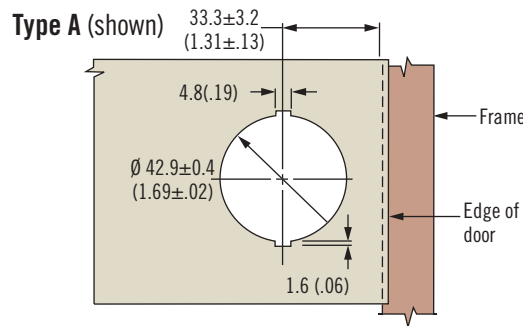
For multi-point latching options see page 208

For fixed grip version see



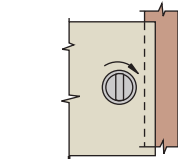
Grip range

0 (0) Minimum - 12.7 (.50) Maximum

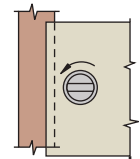


Type A Assemblies (Turn handle clockwise to latch)

Type B Assemblies (Turn handle counter-clockwise to latch)



Handle shown **parallel** to edge of door when latched



Handle shown **perpendicular** to edge of door when latched

- Mounted on either type A or B doors.
- Choose horizontal or vertical closed position of handle

Part Number Selection

See table



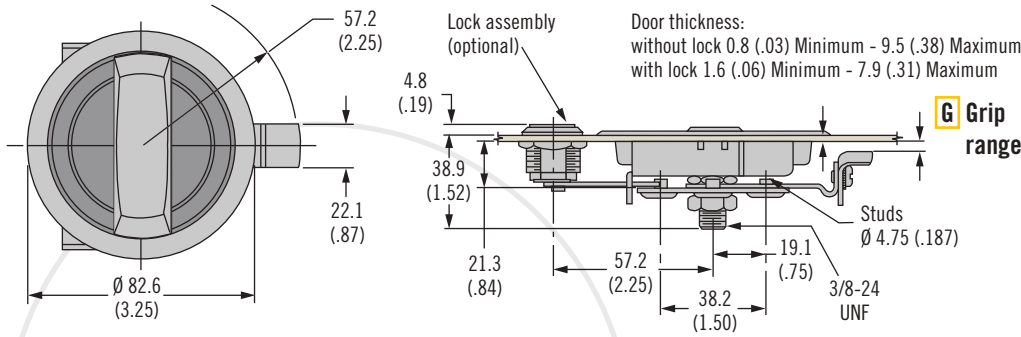
R Rotation

- 1 Type B counter-clockwise to latch for **parallel** installation
- 2 Type B counter-clockwise to latch for **perpendicular** installation
- 1 Type A clockwise to latch for **perpendicular** installation
- 2 Type A clockwise to latch for **parallel** installation

Dimensions in millimeters (inch) unless otherwise stated

01 Cam Latch

Medium · Flush and bail handle · Cup style · Adjustable grip



• **Low profile design**

Material and Finish

ABS, zinc and steel, zinc plated

Performance Details

Maximum static load: 220 N (50 lbf)

Flammability rating UL94-HB

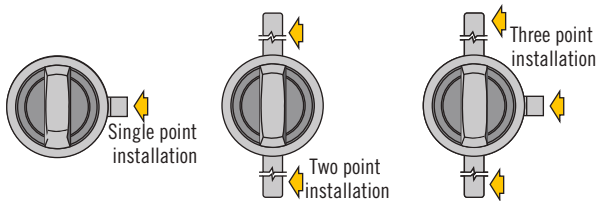
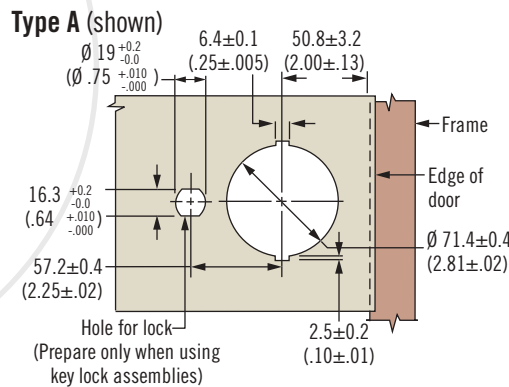
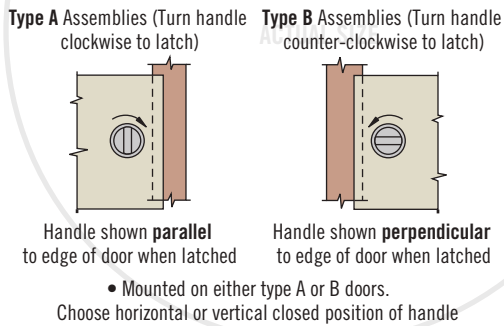
Keys

See page 120 and 169-175

Notes

For multi-point latching options see page 208

For fixed grip version see page 164



Part Number Selection

See table

- L Lock style**
- 1 Non-locking flat handle
 - 2 Non-locking folding bail handle
 - 3 Locking flat handle keyed alike CH751 (two keys supplied)
 - 4 Locking folding bail handle keyed alike CH751 (two keys supplied)

- F Finish**
- 1 Bright chrome
 - 5 Black

Grip	Grip Range	Type A	Type B	Cam Type
1	0 - 12.7 (0 - .50)	Perpendicular	Parallel	Single or three point latching
2	0 - 12.7 (0 - .50)	Parallel	Perpendicular	Single or three point latching
3	12.7 - 28.6 (.50 - 1.13)	Perpendicular	Parallel	Single or three point latching
4	12.7 - 28.6 (.50 - 1.13)	Parallel	Perpendicular	Single or three point latching
5	Two point only	Perpendicular	Parallel	Two point only
6	Two point only	Parallel	Perpendicular	Two point only

01 - L 3 - G F



24 Cam Latch

Flush T-handle · Adjustable grip

- **Concealed mounting type**

Material and Finish

Zinc alloy and steel, zinc plated or stainless steel

Performance Details

Maximum static load:
445 N (100 lbf)

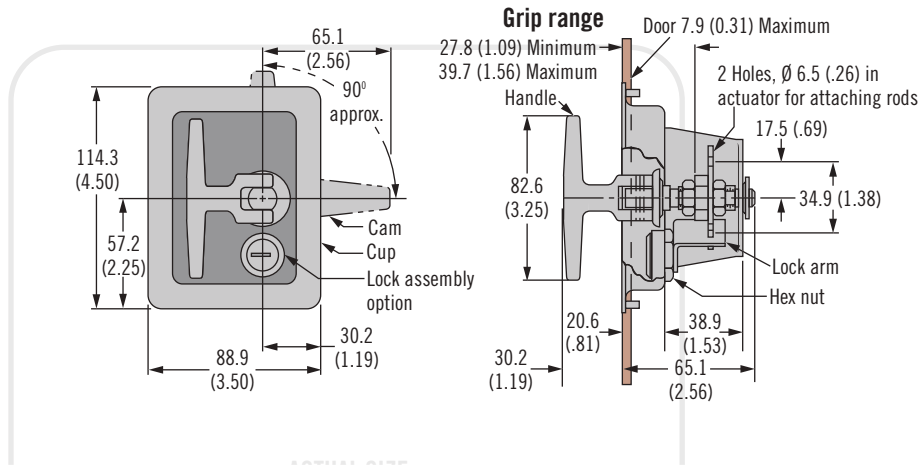
Installation Notes

Maximum tightening torque of mounting nuts not to exceed 2.8 N·m (25 in·lbf)

Keys

See page 120 and 169-175

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



Part Number		
Style	With Mounting Studs	
	Cup and bracket polished stainless steel. Handle zinc chrome plated	Cup and bracket steel dacrotized. Handle zinc dacrotized
Locking keyed alike CH751 supplied	24-20-812-35	24-20-812-10
Non-locking	24-20-302-35	24-20-302-10
Non-locking environmentally sealed	24-20-312-35	24-20-312-10



69 Cam Latch

Arrowhead · Detent design · Adjustable grip

- Arrow indicates cam orientation
- Single hole installation
- Detented design
- Adjustable grip

Material and Finish

Nylon and steel, zinc plated

Performance Details

Small size working load:

44 N (10 lbf)

Medium size working load:

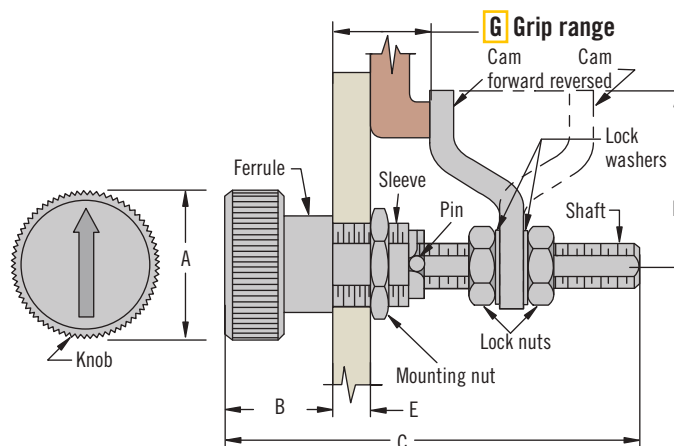
220 N (50 lbf)

Large size working load:

330 N (75 lbf)

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

www.southco.com/69



Size	Part Number	Grip Range		A	B	C	D	E
		Minimum	Maximum					
Small	69-10-301-11	4 (.16)	28.2 (1.11)	12.7 (.50)	12.7 (.50) Max.	38.1 (1.50)	13.5 (.53)	4.75 (.188)
Medium	69-10-401-11	3.2 (.13)	33.3 (.13)	19.1 (.75)	17.5 (.69) Max.	47.5 (1.87)	15.9 (.63)	6.35 (.25)
Large	69-10-501-11	4.8 (.19)	61.9 (2.44)	28.6 (1.13)	25.4 (1) Max.	79.2 (3.12)	34.1 (1.34)	12.7 (.50)

Dimensions in millimeters (inch) unless otherwise stated

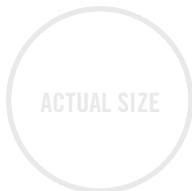
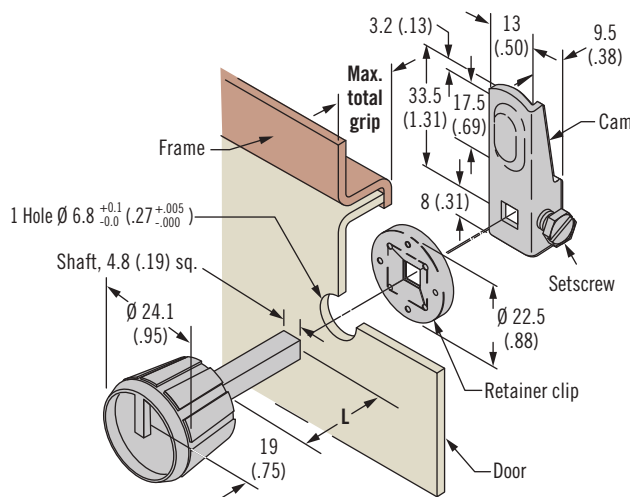
southco®



61 Cam Latch

Universal cabinet series · Adjustable grip

Knob Style



- Single hole installation
- Accommodates wide grip ranges

Material and Finish

Nylon and steel, zinc plated

Performance Details

Maximum static load: 110 N (25 lbf)

Notes

Knob style shown. Additional L-handle and flush slotted styles available

Maximum Total Grip	Shaft Length L	Assembly Part number
12.5 (.50)	25.5 (1.00)	61-10-102-11
25 (1.00)	38 (1.50)	61-10-104-11
44.5 (1.75)	57 (2.25)	61-10-107-11

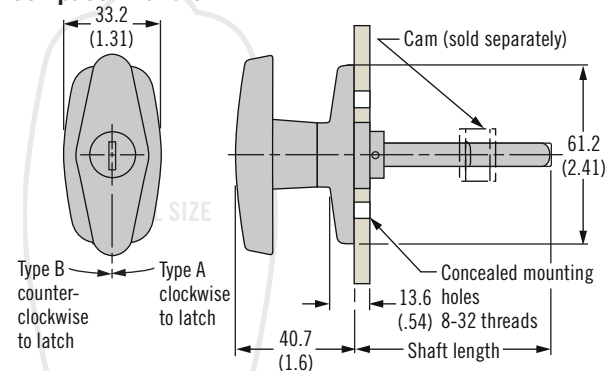
Other options available. For complete details on variety, part numbers, installation and specification, go to

92 Cam Latch

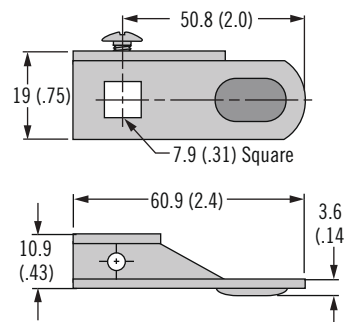
T, Compact-T and L-handle · Adjustable grip



Compact T-handle



Cam



- Easy cam adjustments

Material and Finish

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

Performance Details

Maximum static load: 150 N (34 lbf)

Notes

Black and chrome finish available
For versions with threaded shaft see page 208.
For fixed grip versions see page 162.
Gasket Part Number: 92-70-G (sold separately)

Finish	Shaft Length	Locking Compact-T Part Number	
		Type A	Type B
Black	38.1 (1.5)	92-61-113-50	92-61-213-50
	50.8 (2.0)	92-61-114-50	92-61-214-50
	63.5 (2.5)	92-61-115-50	92-61-215-50

Cam Part Number
92-24-203-12

Compact T-handle style shown. T and L-handle style available. Locking and non-locking.

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



Dimensions in millimeters (inch) unless otherwise stated

www.southco.com/92



H3 Swinghandle System

Medium / large · Sealed / non-sealed

- Zinc alloy swinghandle system
- Multiple locking options; including DIN profile
- Indoor/outdoor version
- Available for medium (125mm x 25mm) and large (150mm x 25mm) door cutout
- Linear and rotational systems available

Material and Finish

Handle: Zinc alloy, black powder coated or satin chrome plated
Cam: Steel, zinc plated

Performance Details

Maximum static load: 250 N (56 lbf)

Sealing Notes

Sealed version meets NEMA 4/IP66 water intrusion standards

Keys

See page 120

Notes

Key removal in unlocked position only available on non-sealed version

Product available to meet **TELCORDIA® GR-487** contact Southco for details

Electromechanical swinghandle available see pages 40-41

For single point and actuator plate system see pages 186-187

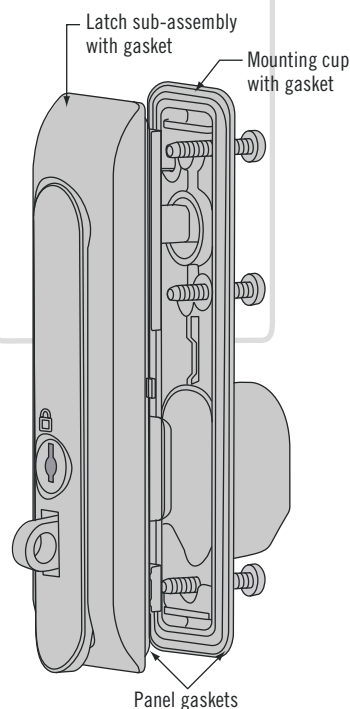
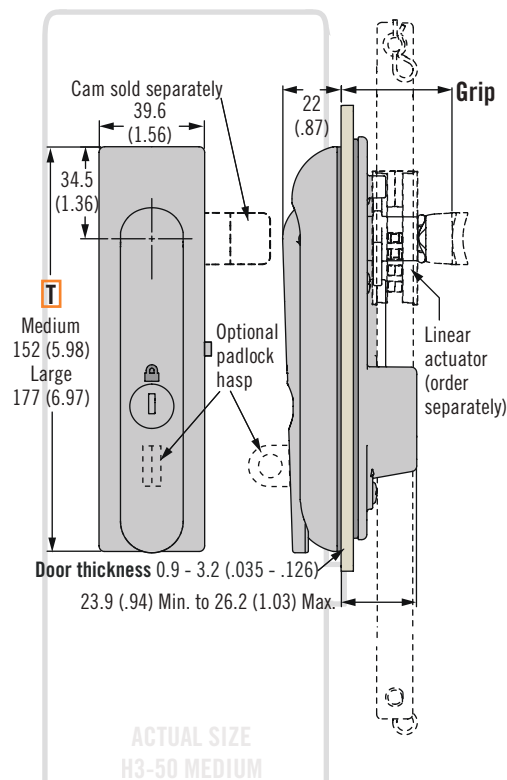
For dimension details of DIN lock version, please contact Southco

For plastic version see page 228.

TELCORDIA is a registered trademark of Telcordia Technologies Inc.

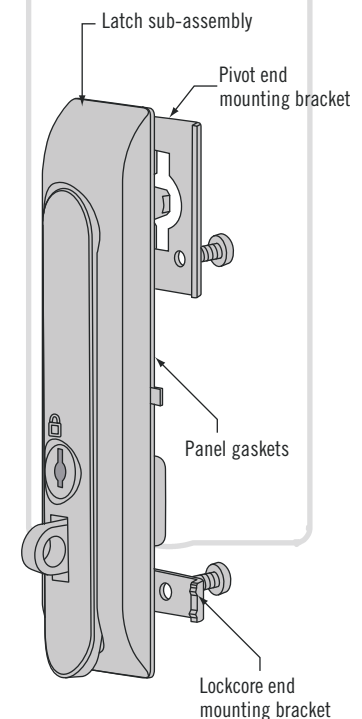
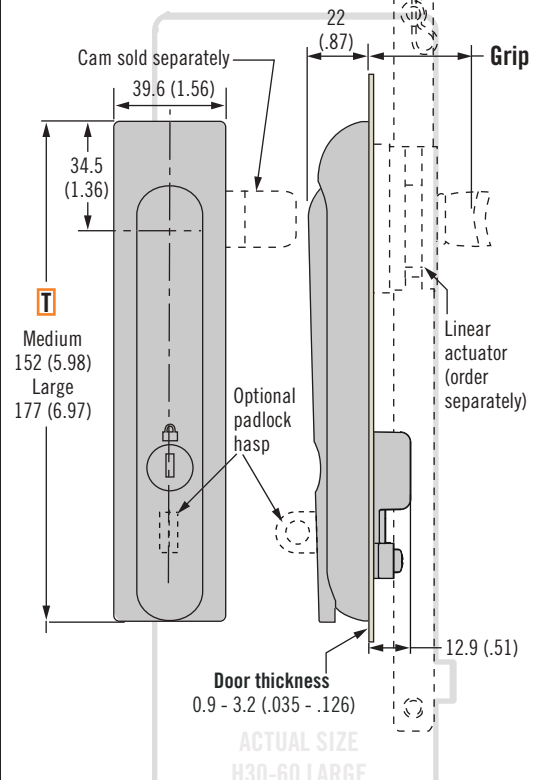
Sealed (H3-50 medium shown)

(Also available in large. See part number selection)



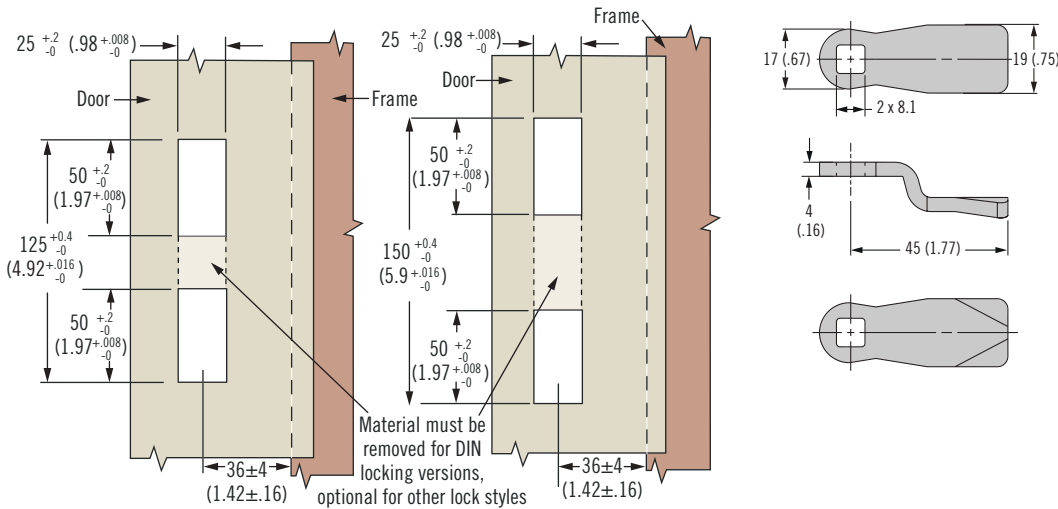
Non-Sealed (H3-60 large shown)

(Also available in medium. See part number selection)



Medium H3-50

Large H3-60



Part Number Selection

For single point:
Order latch and cam separately (see page 186-187)

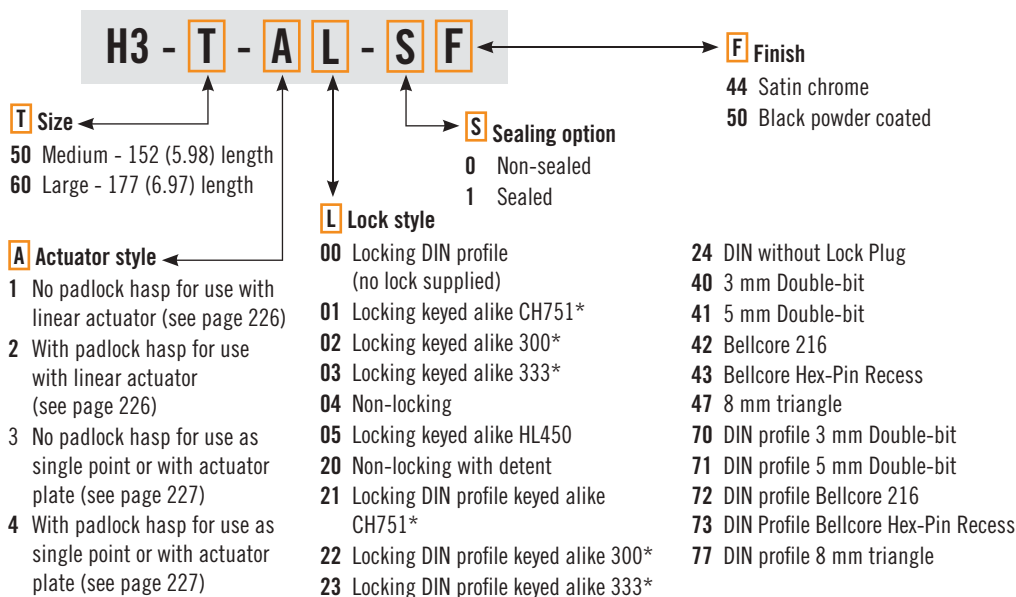
For multi-point order:
Latch and cam (if 3 point latching required)
Linear actuator and rod adaptors (see page 226)
Rods (see pages 230-233)
Rod guides (see pages 230-233)

Note

*2 Overmolded keys supplied

Cam Part Number Table For Use With Linear Actuator Or Actuator Plate					
Grip With Linear Actuator	Grip With Actuator Plate	Part Number	Grip With Linear Actuator	Grip With Actuator Plate	Part Number
~	10.3 (.41)	E5-6107	36.9 (1.45)	26.3 (1.04)	E5-6115
~	12.3 (.48)	E5-6108	38.9 (1.53)	28.3 (1.11)	E5-6116
24.9 (.98)	14.3 (.56)	E5-6109	40.9 (1.61)	30.3 (1.19)	E5-6117
26.9 (1.06)	16.3 (.64)	E5-6110	42.9 (1.69)	32.3 (1.27)	E5-6118
28.9 (1.14)	18.3 (.72)	E5-6111	44.9 (1.76)	34.3 (1.35)	E5-6119
30.9 (1.22)	20.3 (.80)	E5-6112	46.9 (1.85)	36.3 (1.43)	E5-6120
32.9 (1.30)	22.3 (.88)	E5-6113	48.9 (1.93)	38.3 (1.51)	E5-6121
34.9 (1.37)	24.3 (.96)	E5-6114	50.9 (2.00)	40.3 (1.59)	E5-6122

Latch Part Number (no cam)





H3 Linear Actuator

Linear actuator and rod adaptor

- Linear actuator for H3 swinghandles
- Linear rod travel for limited space
- Suitable for left and right hand applications

Material and Finish

Zinc alloy and steel, zinc plated

To Select Linear actuator and Rod Adaptor:

For use with H3-50 and H3-60 swinghandles (see pages 224-225)
Order linear actuator and rod adaptors separately (1 actuator and 2 adaptors required per latch)

Accessories

Replacement rod adaptor retainer pin part number: H3-0-44778-01

Part Number

Linear actuator and rod adaptors see table

For multi-point order:

Latch (see pages 224-225)

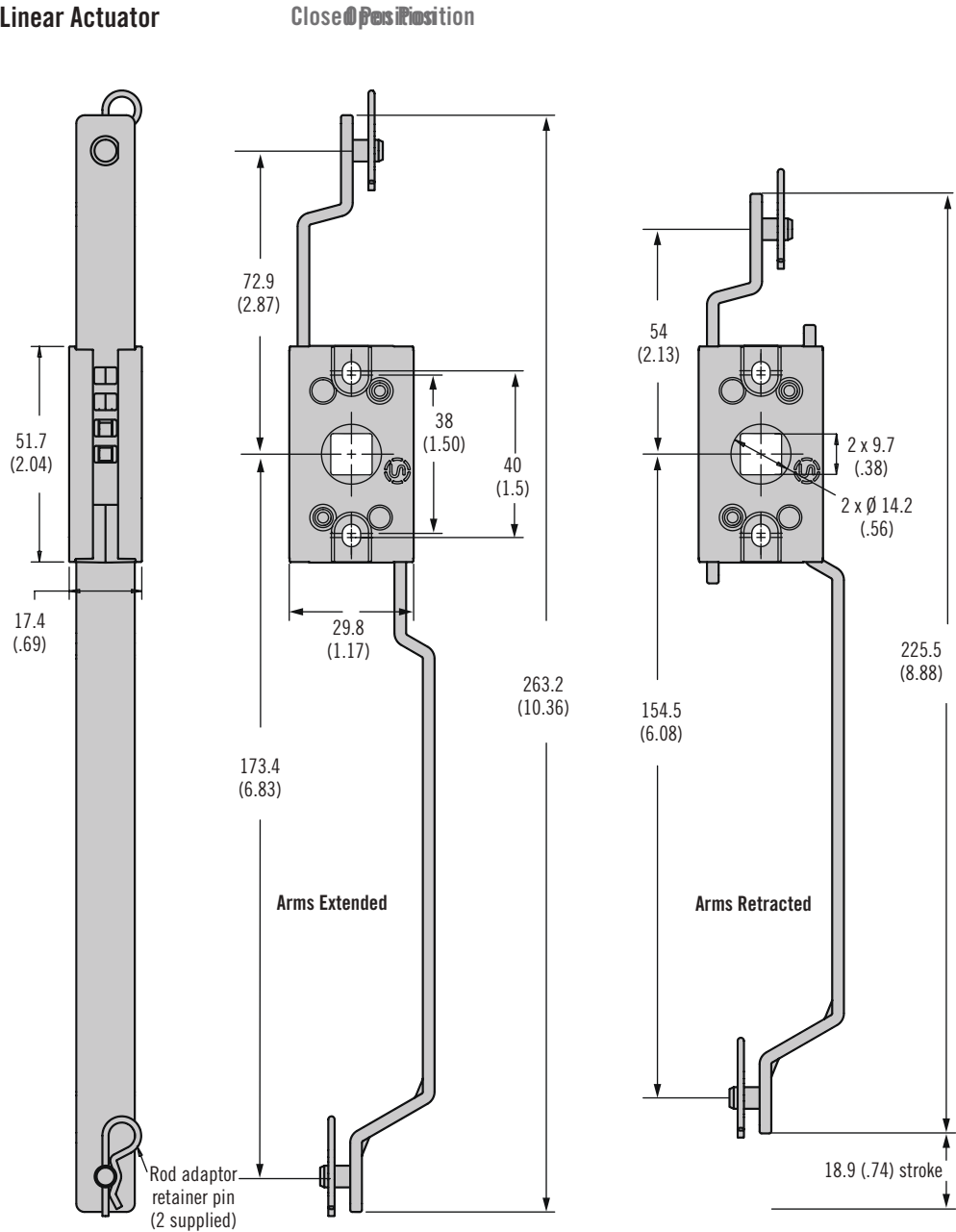
Cam (if 3 point latching required) (see page 225)

Linear actuator and rod adaptor (see table)

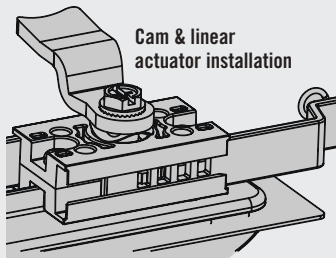
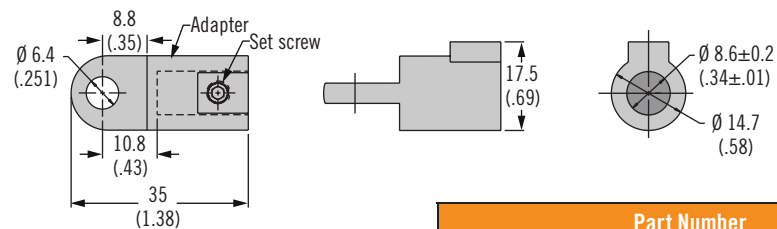
Rods (see pages 230-233)

Rod guides (if required) (see page 230)

Linear Actuator



Rod Adaptor



Part Number	
Linear actuator	H3-51-40
Rod adaptor	A5-92-201-31

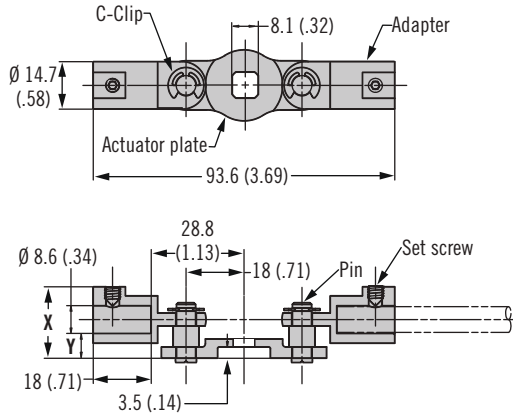
A5 Modular System

Actuator plates

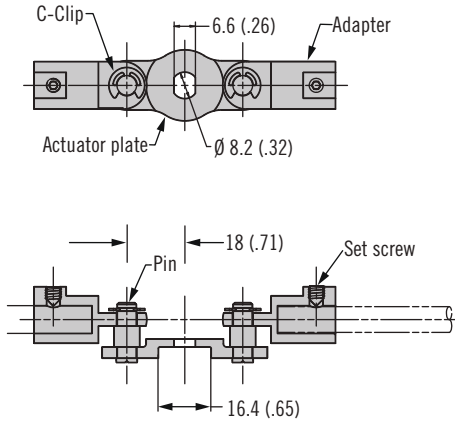


Actuator Plate

A5-90-101-11

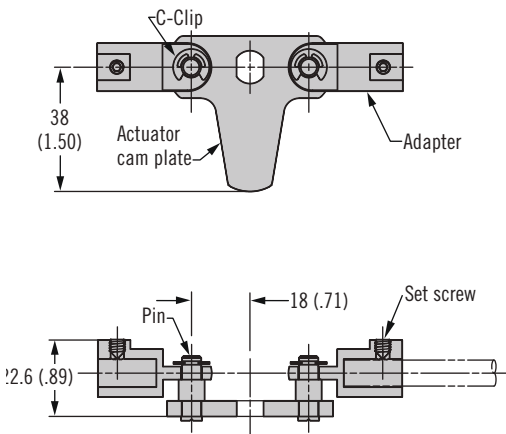


A5-90-301-11

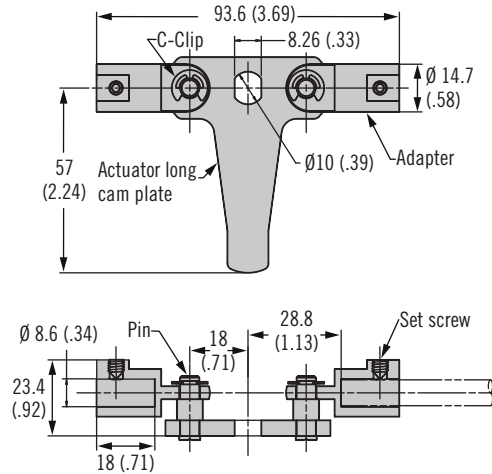


Part Number	X	Y
A5-90-101-11	22.2 (0.87)	4.7 (0.18)
A5-90-104-11	25.2 (0.99)	7.7 (0.30)
A5-90-401-11	22.6 (0.89)	5.1 (0.20)
A5-90-501-11	23.4 (0.92)	5.9 (0.23)

A5-90-401-11 (Short Cam)



A5-90-501-11 (Long Cam)



Actuator Plate Part Number						
Operating Latch Families						
		Page 152-168		Page 224-225		Page 133
Actuator Plate Part Number	A5-90-101-11			A5-90-301-11	A5-90-401-11	A5-90-501-11

- Modular actuators to suit multiple latch families using A5 modular rods

Material and Finish

Zinc alloy, steel, zinc plated and stainless steel set screw

To Select Correct Actuator:

1. Choose actuator plate to match latch family (one per latch required)
2. Order rods and rod guides from page 230

Part Number

Actuator plate see table
 Rods (see page 230)
 Rod guides (see page 230)



H3 Swinghandle System

Plastic · Large · Non-sealed

- Lightweight Glass filled nylon swinghandle system UL94-V0 rated
- DIN profile locking options
- Push or turn to close versions available

Material and Finish

Handle: Glass filled nylon
Cam: Steel, zinc plated

Performance Details

Max. static load: 250 N (56 lbf)

Keys

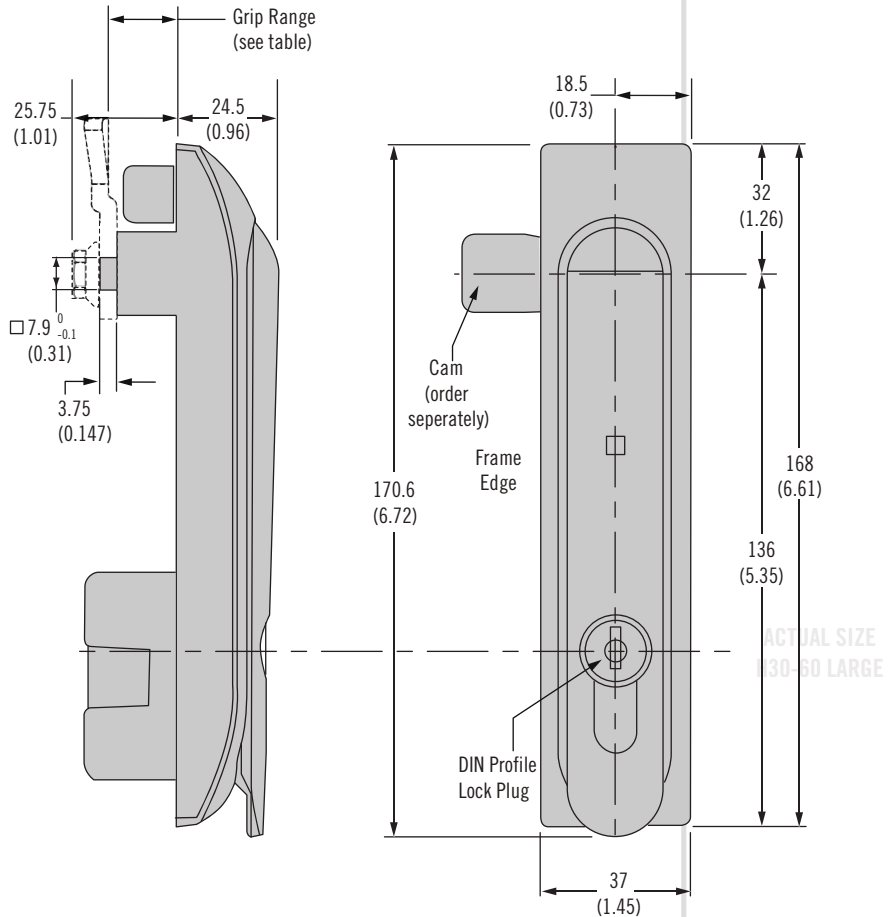
See page 120

Notes

Electromechanical swinghandle available see pages 40-41

For metal version visit pages 186-187 and 224-225

H3 Plastic Swinghandle



Part Number Selection

For single point:
Order latch and cam separately

For multi-point order:
Latch and cam
Linear actuator and rod adaptors
Rods
Rod guides

Note

*2 keys supplied

Latch Part Number (no cam)

T Style

- 65 Push to close handle
- 66 Turn to close handle

L Lock style

- 00 Locking DIN profile (no lock supplied)
- 21 Locking DIN profile keyed alike CH751*
- 22 Locking DIN profile keyed alike 300*
- 23 Locking DIN profile keyed alike 333*
- 70 DIN profile 3 mm Double-bit
- 71 DIN profile 5 mm Double-bit
- 72 DIN profile Bellcore 216
- 73 DIN Profile Bellcore Hex-Pin Recess
- 77 DIN profile 8 mm triangle

H3 - T - 5 L - 071

Cam Part Number Table

Grip	Part Number (length = 38mm)	Part Number (length = 45mm)
15.5 (.61)	E5-6710	E5-6110
17.5 (.69)	E5-6711	E5-6111
19.5 (.77)	E5-6712	E5-6112
21.5 (.85)	E5-6713	E5-6113
23.5 (.93)	E5-6714	E5-6114
OTHER	Please contact Southco	

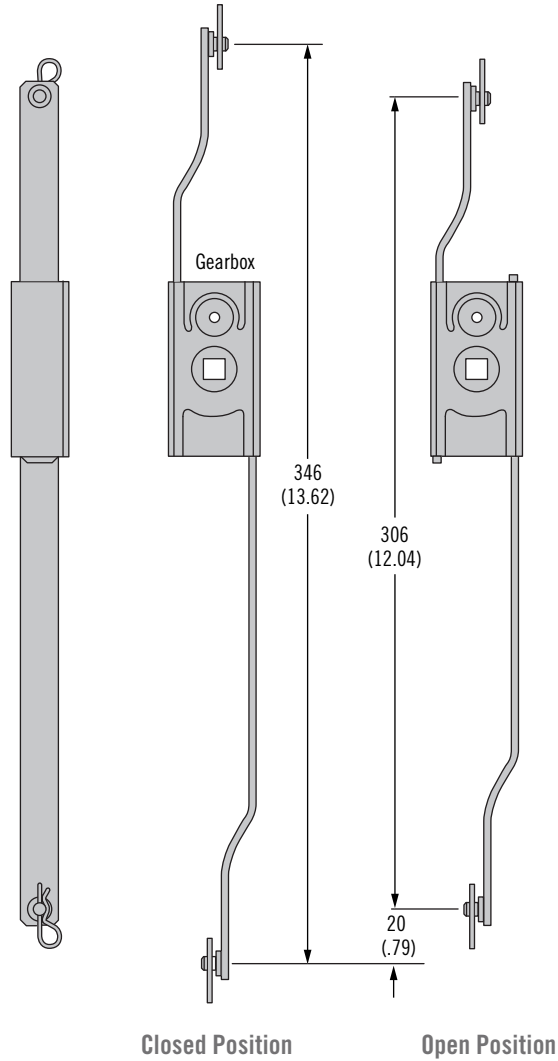
H3 Linear Actuators

Linear actuators and rod adaptor for plastic H3 swinghandle system

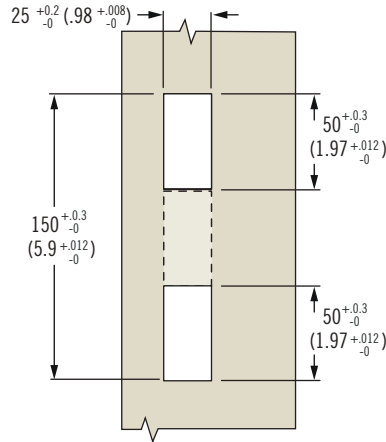


Linear Actuator

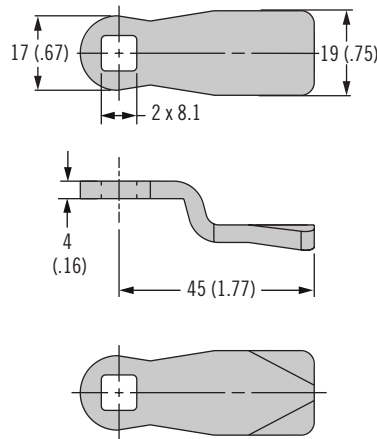
(Right Hand Mounting shown)



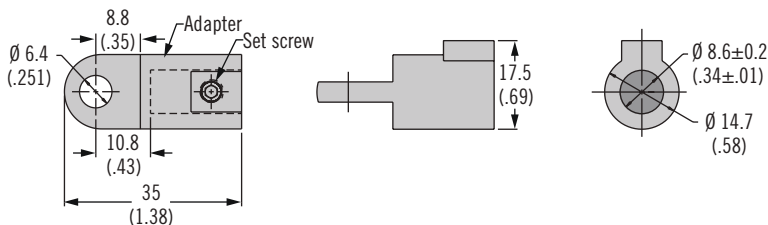
Panel Preparation



Cam



Rod Adaptor



- Linear actuator for Plastic H3 swinghandles
- Linear rod travel for limited space
- Suitable for left and right hand applications
- Left and Right hand Actuators can be disassembled and reassembled in the opposite hand if required

Material and Finish

Zinc alloy and steel, zinc plated

To Select Linear actuator and Rod Adaptor:

For use with H3-EM, H3-65 and H3-66 swinghandles. Order linear actuator and rod adaptors separately (1 actuator and 2 adaptors required per latch)

Accessories

Replacement rod adaptor retainer pin part number: H3-0-44778-01

Part Number

Linear actuator and rod adaptors see table

For multi-point order: Latch Cam (if 3 point latching required) Linear actuator and rod adaptor (see table)

Rods, Rod guides

Part Number	
Linear actuator right hand mounting	H3-61-56-33
Linear actuator left hand mounting	H3-61-55-33
Rod adaptor	A5-92-201-31



A5 Modular System

Rods and rod guides

Modular rod and rod guides

Material and Finish

Rods: Aluminum or steel, zinc plated
 Rod rollers: Glass-filled nylon, black
 Rod guides: Glass-filled nylon, black with steel, zinc plated hardware

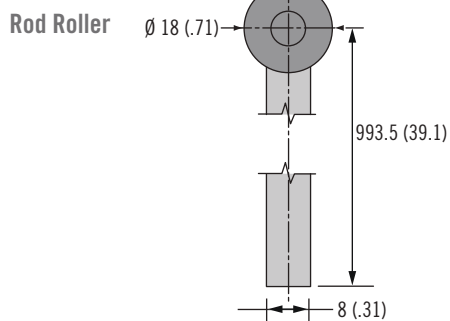
To Select Correct Assembly:

1. Choose actuator plate to match latch family or linear actuator and 2 adaptors. See drawing J-A5-F30 for rod type and latch family compatibility.
2. Order rod guides (2 per assembly). Fixed rod guide recommended for fixed point rod. Adjustable rod guide recommended for rod roller assembly.
3. Order rods (2 per assembly)

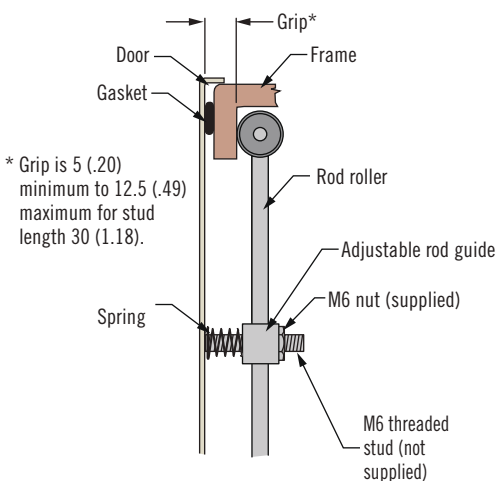
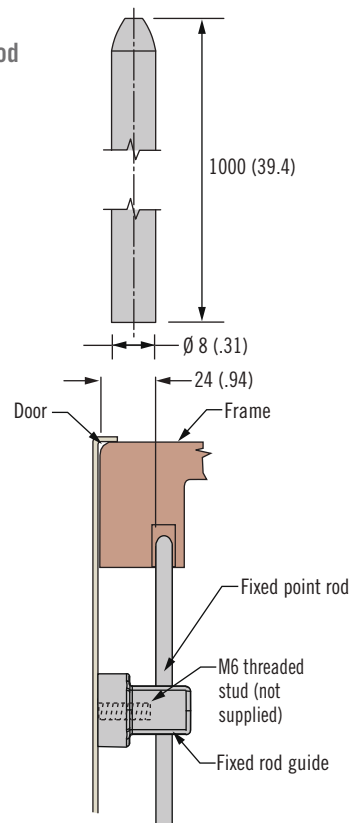
Part Number

Order rod and rod guide separately see tables
 Other rod lengths available. Please contact Southco

Rods



Fixed Point Rod

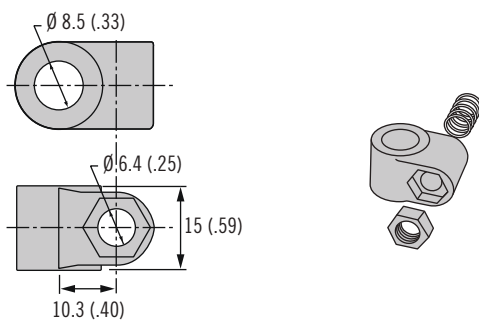


Material	Fixed Point Rod Part Number
Aluminum	A5-55-1000-10
Steel	A5-55-1000-11

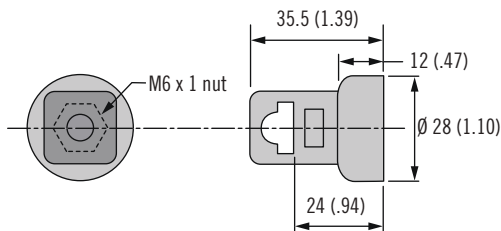
Material	Fixed Point Rod Part Number
Aluminum	A5-55-1000-10
Steel	A5-55-1000-11

Rod Guides

Adjustable



Fixed

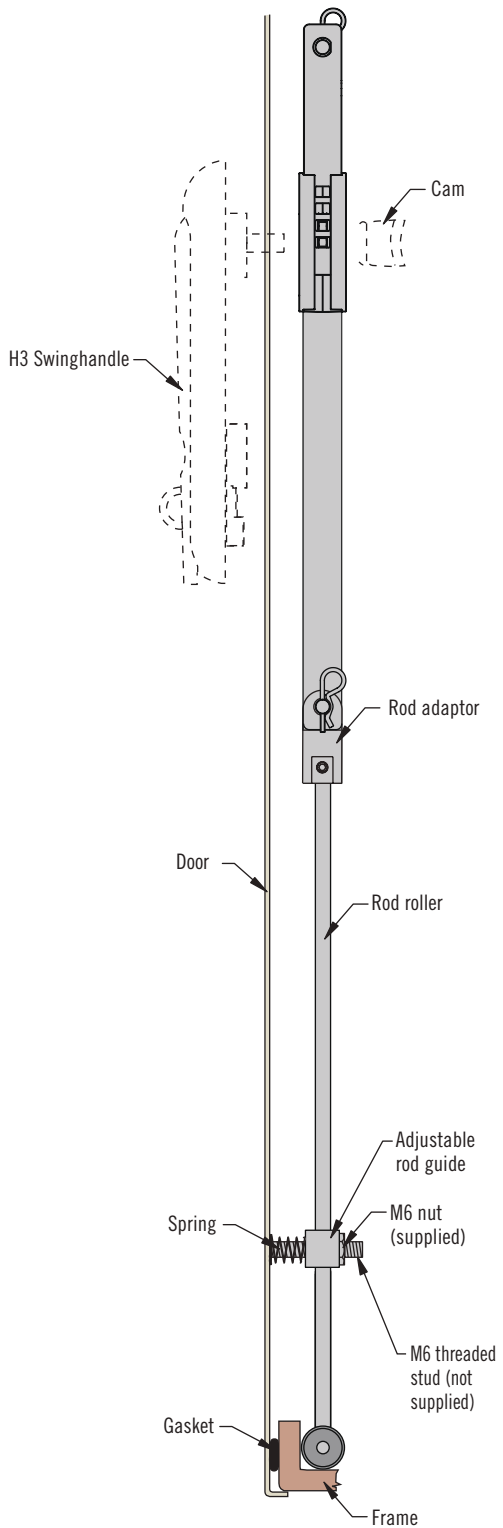


Adjustable Rod Guide Part Number (includes 2 rod guides, 2 springs and 2 M6 nuts)
A5-87-401

Fixed Rod Guide Part Number (one piece supplied)
A5-81-301-71

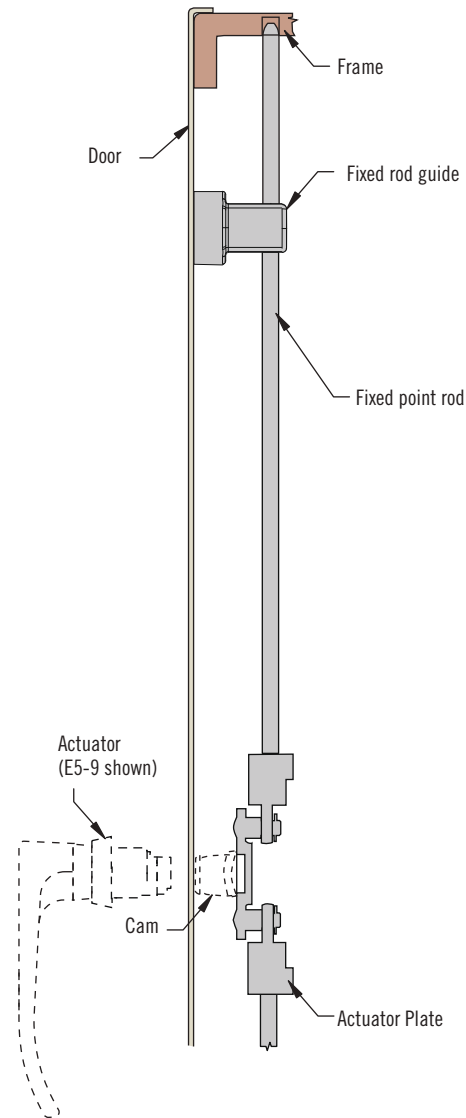
Linear Actuator Assembly

(adjustable with rod roller shown)



Actuator Plate Assembly

(fixed point shown)



Notes

Modular system allows for any configuration of rod and rod guides





CM Cam Locks

Selection

- Removable core options provide maximum flexibility
- Fixed core options provide simple, economic solutions
- Sealed housings are available
- Multiple finishes
- A broad selection of lock housing and cam sizes available

Notes

All CM Cam Lock housings, cams, and lock core components can be ordered separately for maximum configuration flexibility with minimal inventory investment.

To determine the perfect CM Cam Lock components for your needs, simply follow the **Selection Guide** on the next page.

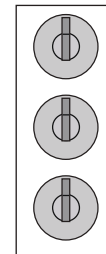
Cam Lock Options

Removable Core

- ⇒ Multiple key codes
- ⇒ Tool actuation
- ⇒ Change key codes in future
- ⇒ Configure to order



Key Options

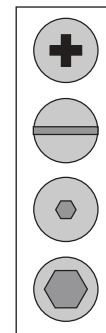


Keyed alike

Keyed differently

Master keyed, keyed differently

Tool Options



Phillips recess

Slotted

4mm Hex recess

8mm Hex recess

Fixed Core

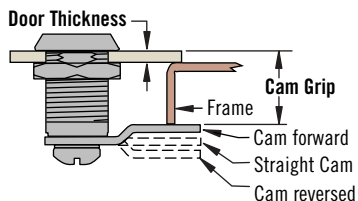
- ⇒ Single key code
- ⇒ Key-locking
- ⇒ Wing driver
- ⇒ Integrated housing and lock core





Cam Lock Selection Guide

1. Once you have determined the **CM Cam Lock** version that best meets your needs, calculate the **Cam Grip** for your application using the illustration below.



Notes: add 0.5 (.02) to your grip when using a sealed product.

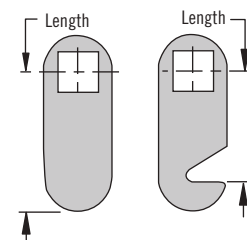
2. In the **TAN** section below, locate the **Cam Grip** calculated for your application. If your grip falls between two values, use the higher value.

Notes: Certain grip values repeat in the table below. Use the value that results in the shortest housing possible based on the **Max. Door Thickness** allowed.

3. From this value, move right horizontally into the **GRAY** section and verify your door thickness falls within the **Max. Door Thickness** listed. Once this is verified, the housing length is selected and is illustrated by the **Housing Length Number**.

4. Returning to your original grip value in the **TAN** section, move down vertically into the **GREEN** section. The **GREEN** section illustrates the cams that are appropriate for your grip.

5. By determining the required cam orientation and length in the **BLUE** section, the appropriate **Cam Part Number** for your application is selected.



6. Proceed to the Cam Lock sections (CM-6, CM-3, CM-2, CM-5, and CM-1) to complete your **Part Number** selection.

Selection Guide

Cam Grips							Max. Door Thickness	Housing Length Number
20.7 (.81)	17.5 (.69)	14.3 (.56)	11.1 (.44)	8 (.31)	4.8 (.19)	1.6 (.06)	2.4 (.09)	7
25.4 (1.00)	22.2 (.88)	19.1 (.75)	15.9 (.63)	12.7 (.50)	9.5 (.38)	6.4 (.25)	7.1 (.28)	1
31.8 (1.25)	28.6 (1.13)	25.4 (1.00)	22.2 (.88)	19.1 (.75)	15.9 (.63)	12.7 (.50)	13.5 (.53)	2
38.1 (1.50)	34.9 (1.38)	31.8 (1.25)	28.6 (1.13)	25.4 (1.00)	22.2 (.88)	19.1 (.75)	19.8 (.78)	6
44.5 (1.75)	41.3 (1.63)	38.1 (1.50)	34.9 (1.38)	31.8 (1.25)	28.6 (1.13)	25.4 (1.00)	26.2 (1.03)	3
50.8 (2.00)	47.6 (1.88)	44.5 (1.75)	41.3 (1.63)	38.1 (1.50)	34.9 (1.38)	31.8 (1.25)	32.5 (1.28)	4
57.2 (2.25)	54 (2.13)	50.8 (2.00)	47.6 (1.88)	44.5 (1.75)	41.3 (1.63)	38.1 (1.50)	38.9 (1.53)	5
Cam Part Number							Cam Length	Cam Orientation
Cam Reversed		Straight		Cam Forward				
CM-C606	CM-C406	CM-C206	CM-C006	CM-C206	CM-C406	CM-C606	19.1 (.75)	No Hook
CM-C610	CM-C410	CM-C210	CM-C010	CM-C210	CM-C410	CM-C610	31.8 (1.25)	
CM-C614	CM-C414	CM-C214	CM-C014	CM-C214	CM-C414	CM-C614	44.5 (1.75)	
CM-L606	CM-L406	CM-L206	CM-H006	CM-H206	CM-H406	CM-H606	19.1 (.75)	Left
CM-L610	CM-L410	CM-L210	CM-H010	CM-H210	CM-H410	CM-H610	31.8 (1.25)	
CM-L614	CM-L414	CM-L214	CM-H014	CM-H214	CM-H414	CM-H614	44.5 (1.75)	
CM-H606	CM-H406	CM-H206	CM-H006	CM-L206	CM-L406	CM-L606	19.1 (.75)	Right
CM-H610	CM-H410	CM-H210	CM-H010	CM-L210	CM-L410	CM-L610	31.8 (1.25)	
CM-H614	CM-H414	CM-H214	CM-H014	CM-L214	CM-L414	CM-L614	44.5 (1.75)	

Also use the online configurator at www.southco.com



CM Cam Locks

Removable core

- Ideal for applications requiring multiple key codes or tool actuated options
- Sealed version meets NEMA 4 and IP65 water intrusion standards
- Lock cores and cams sold separately
- Master and non-master key codes available

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated
 Scalp: stainless steel

Performance Details

Average ultimate load on cam:
 180 N (40 lbf)

Installation Notes

See page 199

Accessories

See page 201

Part Number Selection

See table

Housing part number
 (no lock core or cam)

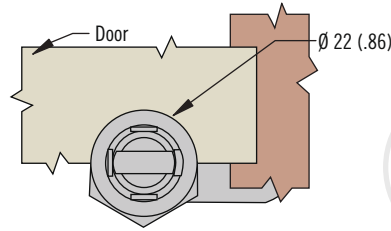
Order housing, lock core and cam separately

Lock core part numbers and installation see page 191

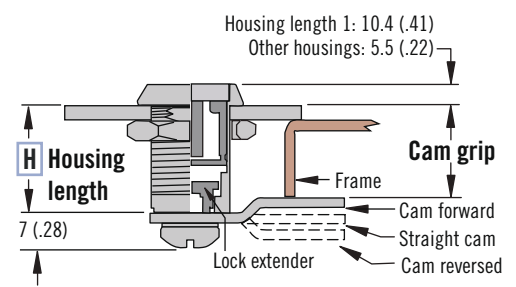
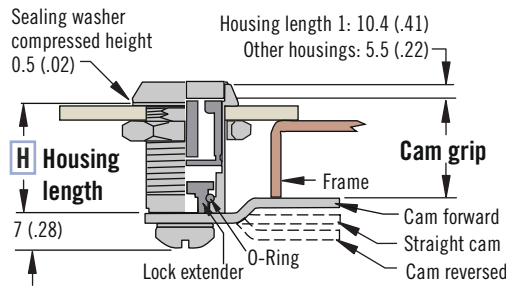
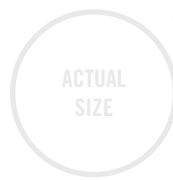
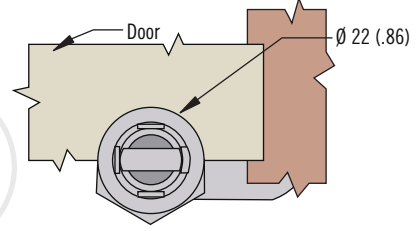
Cam page 199

To select cam part number see grip table page 195

Sealed Disc Tumbler

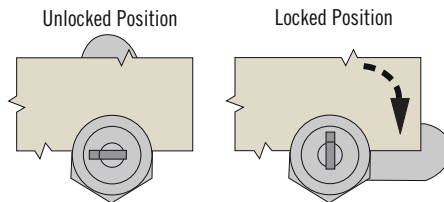


Non-Sealed Disc Tumbler

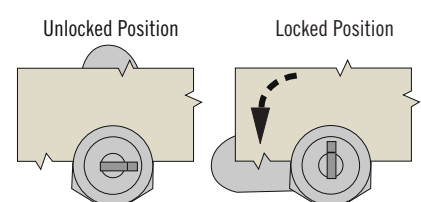


Cam Rotation

R 01 (Clockwise to Lock)

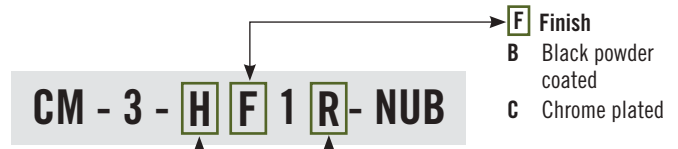


R 09 (Counter-Clockwise to Lock)



Sealed Version

Max. Door Thickness	Housing Length	H Housing Length Number
7.1 (.28)	16 (.625)	1
13.5 (.53)	22 (.875)	2
19.8 (.78)	28.5 (1.125)	6
26.2 (1.03)	35 (1.375)	3
32.5 (1.28)	41 (1.625)	4
38.9 (1.53)	48 (1.875)	5



Non-sealed version



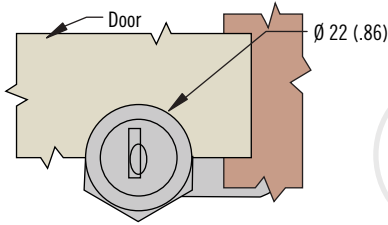
CM Cam Locks

Fixed core



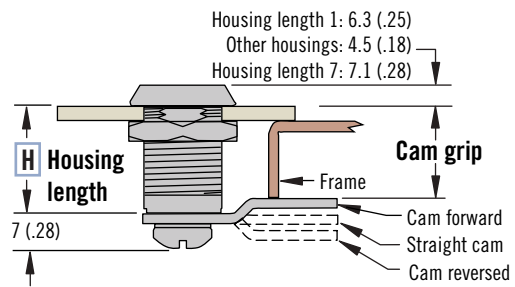
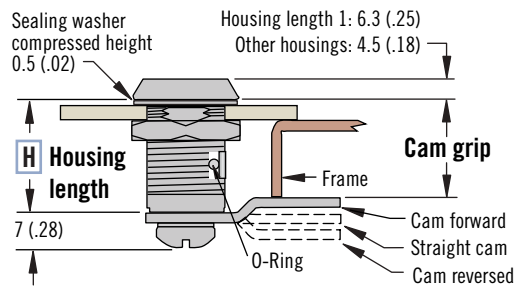
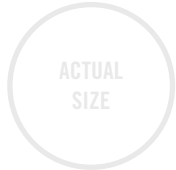
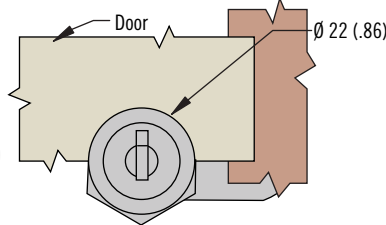
Sealed Disc Tumbler

Pictured with Lockcore Installed



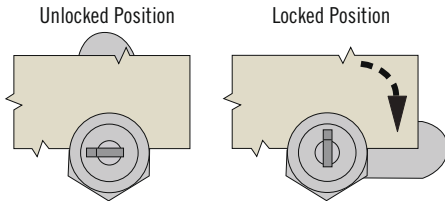
Non-Sealed Disc Tumbler

Pictured with Lockcore Installed

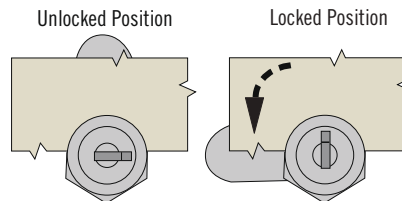


Cam Rotation

R 01 (Clockwise to Lock)



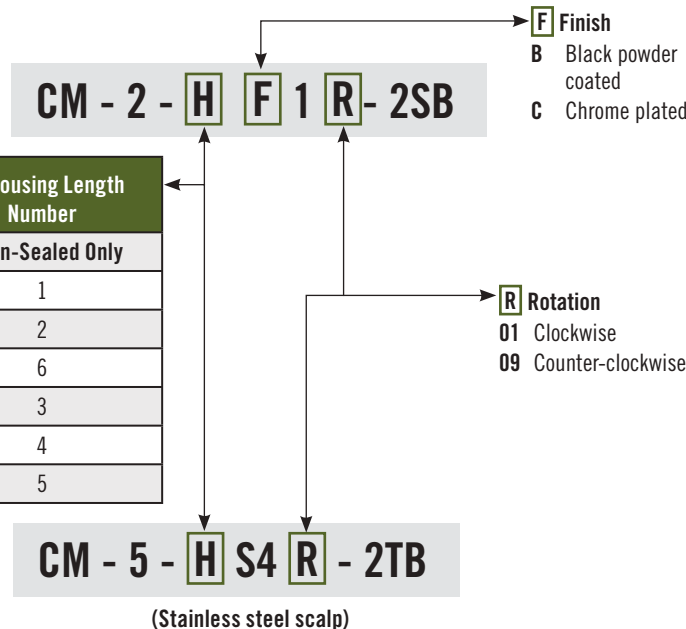
R 09 (Counter-Clockwise to Lock)



Sealed Version

Max. Door Thickness	Housing Length	H Housing Length Number
2.4 (.09)	11 (.438)	7 Non-Sealed Only
7.1 (.28)	16 (.625)	1
13.5 (.53)	22 (.875)	2
19.8 (.78)	28.5 (1.125)	6
26.2 (1.03)	35 (1.375)	3
32.5 (1.28)	41 (1.625)	4
38.9 (1.53)	48 (1.875)	5

Non-sealed version



- Stainless steel scalp on housing and lock core on non-shuttered style
- Sealed version meets NEMA 4 and IP65 water intrusion standards
- Cams sold separately

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated
Scalp: stainless steel

Performance Details

Average ultimate load on cam: 180 N (40 lbf)

Installation Notes

See page 199

Accessories

See pages 169

Notes

Lock: Key code CH751, keyed alike, key removal in locked and unlocked positions (two keys supplied)

Part Number Selection

See table

Lock part number (no cam)

Order lock and cam separately

Cam page 199

To select cam part number see grip table page 195

Notes

CM-2-1 version is sealed but does not meet the NEMA 4 / IP65 standards



CM Cam Locks

Fixed core wing driver

- Sealed to meet NEMA 4 and IP65 water intrusion standards
- Smooth, consistent operation
- Cams sold separately

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated

Performance Details

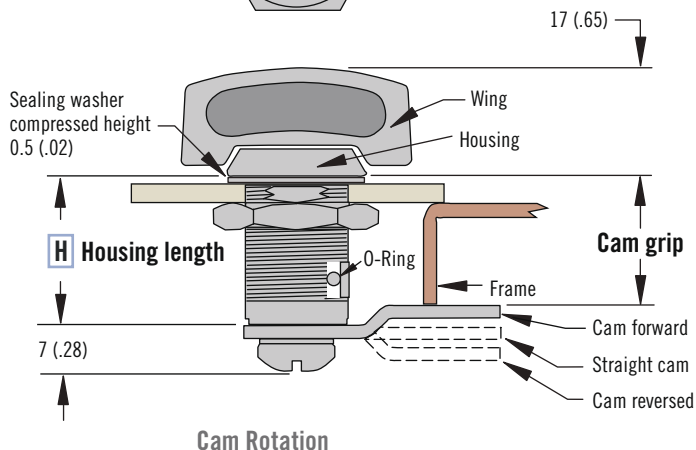
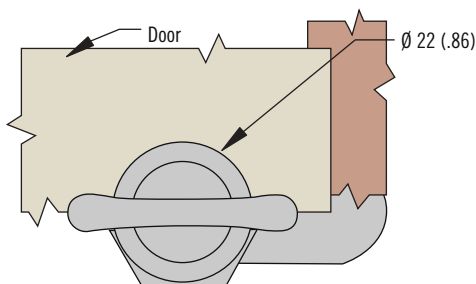
Average ultimate load on cam: 180 N (40 lbf)

Installation Notes

See page 199

Accessories

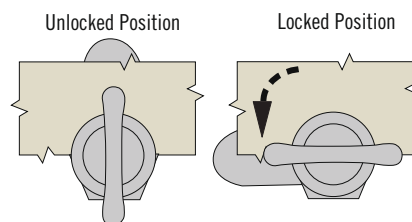
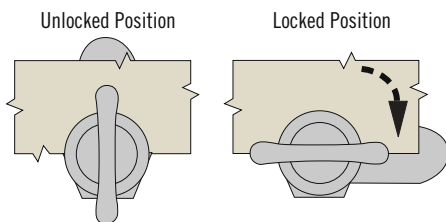
See page 201



Cam Rotation

R 01 (Clockwise to Lock)

R 09 (Counter-Clockwise to Lock)



Part Number Selection

See table

Lock part number (no cam)

Order lock and cam separately

Cam page 199

To select cam part number see grip table page 195

F Housing Finish
B Black powder coated
C Chrome plated

R Rotation
01 Clockwise
09 Counter-clockwise

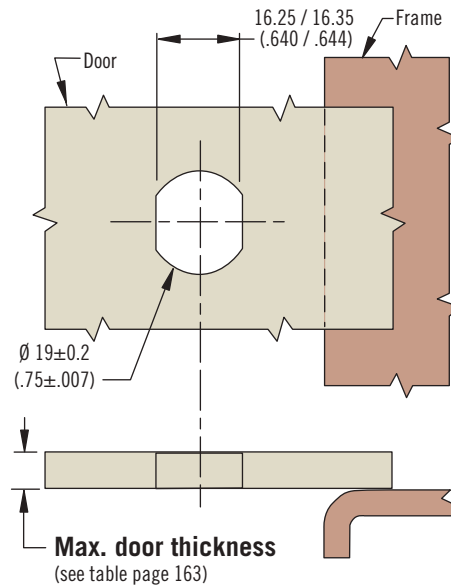
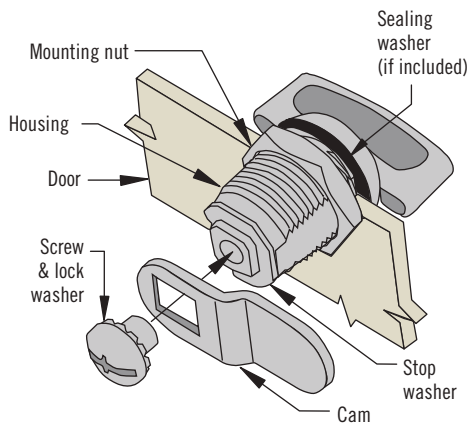
W Wing Finish
B Black powder coated
C Chrome plated

CM - 1 - H F 1 R - 1 W

H Housing Length Number	Housing Length	Max. Door Thickness
1	16 (.625)	7.1 (.28)
2	22 (.875)	13.5 (.53)
3	35 (1.375)	26.2 (1.03)

CM Cam Locks

Cams & installation



Installation Notes

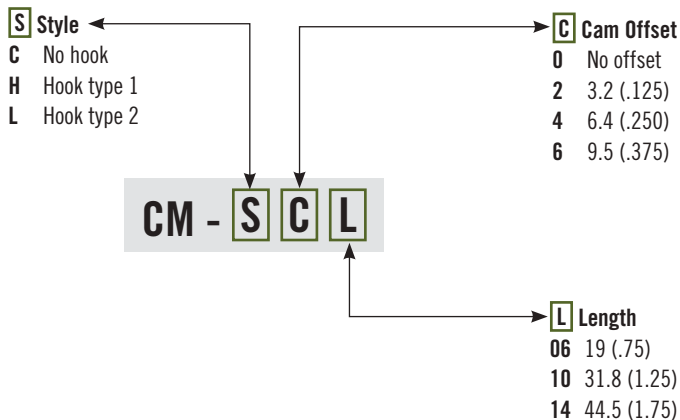
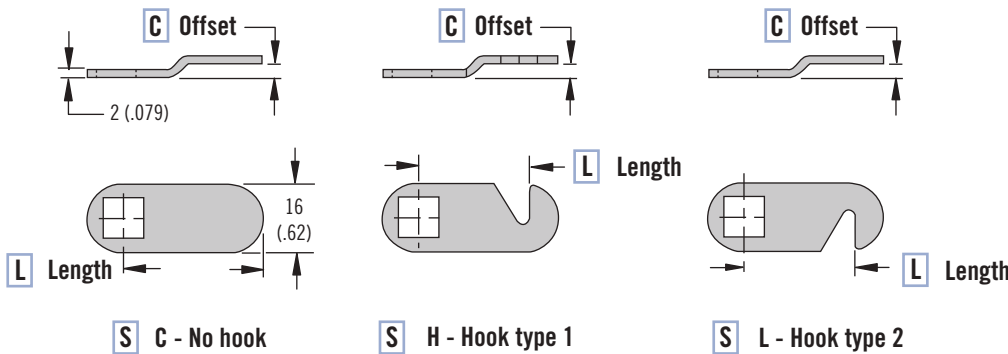
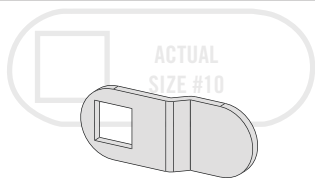
1. Place sealing washer onto housing (if included) and put through the mounting hole (see panel preparation).
2. Install mounting nut and tighten to 5 N•m (44 in•lbf).
3. Install cam to assembly. Properly orientate for rotation and grip.
4. Install screw. Tighten to 4 N•m (35 in•lbf).

Material and Finish

Cam: Steel plated

Part Number Selection

See table
 Order lock and cam separately
 Cam part number (no lock)
 For Lock selection see pages 196-198





CM Mini Cam Locks

Fixed core

- Compact design
- Non-shuttered lock core
- Cams sold separately

Material and Finish

Lock: Zinc alloy, chrome plated or black powder coated
 Cam: Steel, zinc plated

Performance Details

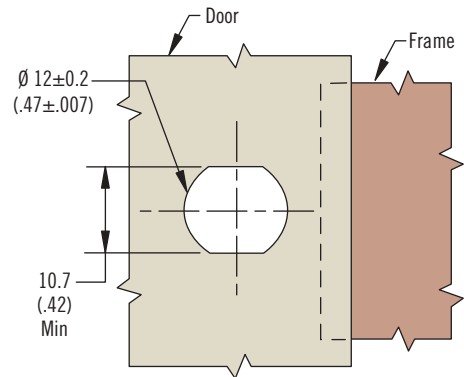
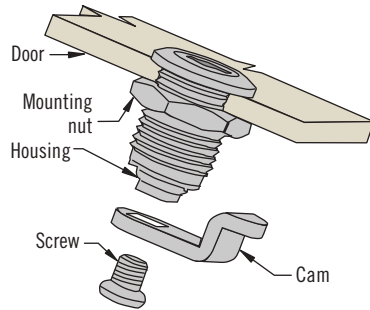
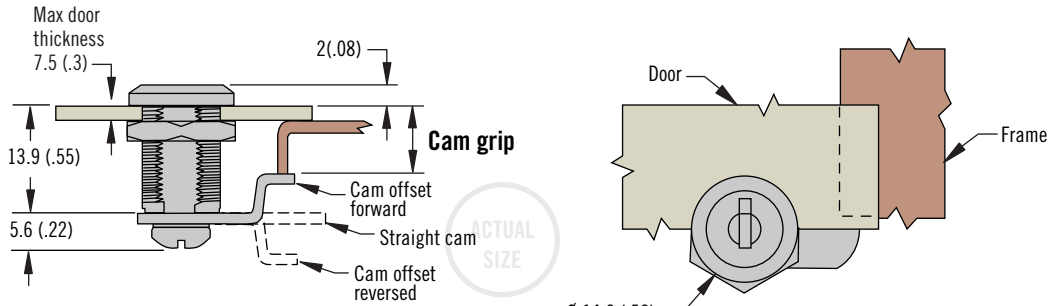
Average ultimate load on cam:
 160 N (35 lbf)

Installation Notes

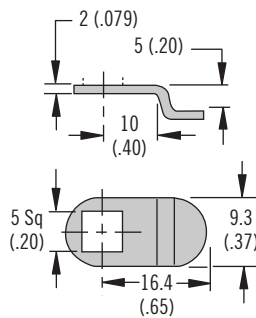
1. Install mounting nut and tighten to 4 N•m (35 in•lbf).
2. Install cam to assembly. Properly orientate for rotation and grip.
3. Install screw. Tighten to 4 N•m (35 in•lbf).

Accessories

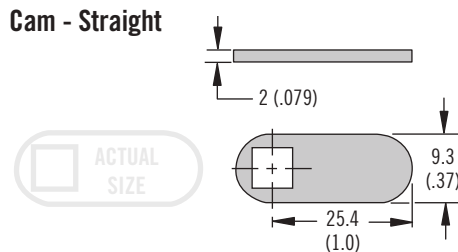
See page 201



Cam - Offset



Cam - Straight



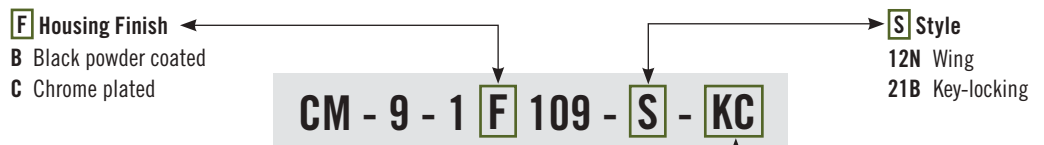
Cam Grip		
Cam Grip	Cam Type	Cam Part Number
9.7 (.38)	Offset forward	CM-M101
15.4 (.61)	Straight	CM-M002
21.3 (.84)	Offset reverse	CM-M101

Part Number Selection

Lock part number (no cam)

Order lock and cam separately

To select cam part number see grip table above



CM Cam Locks

Accessories · Keys · Spares



Accessories (Add adjustment value to door thickness when accessory is used)

Metal Dust Cover



Metal Pull Tab



Plastic Dust Cover



Trim Washer



Pull Tab - In-Line



Prong Washer



Pull Tab - Perpendicular



Sealing Washer



Overmolded Key



Plain Key



Item	Part Number	Material	Adjustment Value	Suitable for		
				CM	Mini CM	PT
Metal dust cover	CM-A-10-01	Zinc alloy, chrome plated and stainless steel	0.7 (.027)	✓		✓
Plastic dust cover	90-2	Santoprene, black	2.1 (.085)	✓		✓
Pull tab - In-line	CM-A-08-01	Nylon, black	2.1 (.085)	✓		✓
Pull tab - Perpendicular	CM-A-08-02	Nylon, black	2.1 (.085)	✓		✓
Metal pull tab	CM-A-09	Stainless steel	1.5 (.059)	✓		✓
Trim washer	CM-A-07-N	Steel, nickel plated	0.8 (.031)	✓		✓
Prong washer	CM-A-04	Steel, plated	0.9 (.035)	✓		✓
Sealing washer	CM-A-03	Rubber, black	1.0 (.039)	✓		✓

Keys (contact Southco for custom overmolded logo options)

Item	Part Number	Suitable for		
		CM	Mini CM	PT
Plain key CH751 pair	PK-10-01	✓		
Overmolded key CH751 pair	PK-10-01-05	✓		
Overmolded key CH751 single	PK-10-10-05	✓		
Control (removal) key single	PK-11-03	✓		
Master key single	PK-24-01	✓		
Plain key M01 pair	PK-10-01-M01		✓	
Tubular key T0001 pair	PK-60-01-T0001			✓

Replacement Parts

Item	Part Number	Material	Suitable for		
			CM	Mini CM	PT
Housing mounting nut	CM-A-01	Zinc alloy	✓		
Housing mounting nut	PT-A-04-01				✓
Housing mounting nut	CM-B-01			✓	
Housing mounting clip	CM-A-05	Spring steel, plated	✓		
Cam mounting screw	CM-A-02	Steel, plated	✓		
Cam mounting screw	CM-B-03			✓	
Tooth washer hex nut	CM-A-12		✓		
Lockwasher	PT-A-09				✓
Cam mounting nut	PT-A-05-01				✓



PT Tubular Key Cam Locks

Fixed core

- 7-pin tumbler lock security
- Keyed alike, keyed differently or custom key code options
- Cams sold separately

Material and Finish

Zinc alloy, chrome plated

Performance Details

Average ultimate load on cam:
645 N (145 lbf)

Accessories

See page 169

Installation Notes

1. Install mounting nut and tighten to 5 N•m (44 in•lbf) Max.
2. Install cam to assembly. Properly orient for rotation and grip.
3. Install lockwasher and cam mounting nut. Tighten to 2 N•m (18 in•lbf).

Part Number Selection

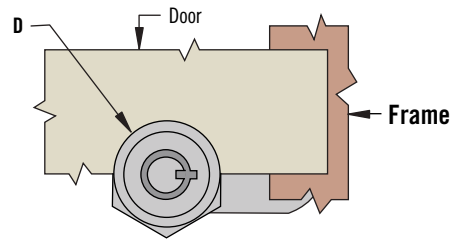
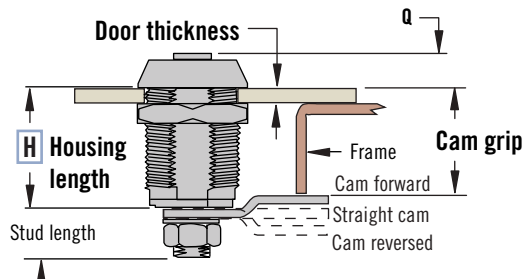
See table

Lock part number (no cam)

Order lock and cam separately

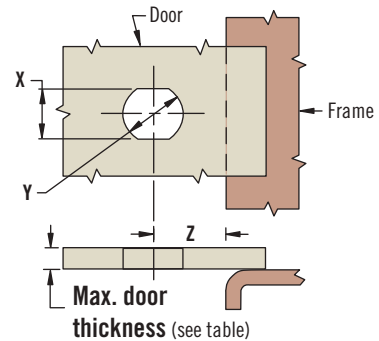
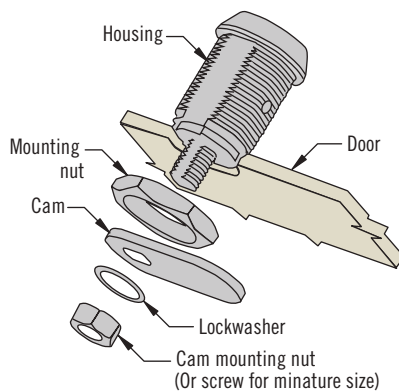
Cam page 171

Non-Sealed Pin Tumbler



Series	Non-Sealed Pin Tumbler	
	Q	D
Standard	6.8 (.27)	∅ 22 (.87)

Series	Installation		
	X	Y	Z
Standard	16.26 - 16.36 (.640 - .644)	∅ 19±0.2 (.75±.007)	19±2 (.75±.08)



R Rotation
01 Clockwise
09 Counter-clockwise

K Key removal
B Locked / unlocked removal
L Locked removal only

PT - 1 - H C1 R - 20 K - KC

H Housing Length Number	Housing Length	Stud Length	Max. Door Thickness
1	12.7 (.50)	8.9 (.35)	5.1 (.20)
2	17.5 (.69)	9.5 (.37)	10.9 (.43)
3	23.8 (.94)	9.5 (.37)	15.9 (.63)
4	30.5 (1.20)	9.5 (.37)	22.9 (.90)
5	36.5 (1.44)	9.5 (.37)	28.9 (1.14)

KC Key Code

- KA** Keyed alike T0001 (2 keys supplied)
- KD** Keyed differently 50 key codes (T0001 to T0050) provided in a non-master key system (2 keys supplied)

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

INFO CLIC www.southco.com/PT

Dimensions in millimeters (inch) unless otherwise stated

PT Tubular Key Cam Locks

Cams & installation



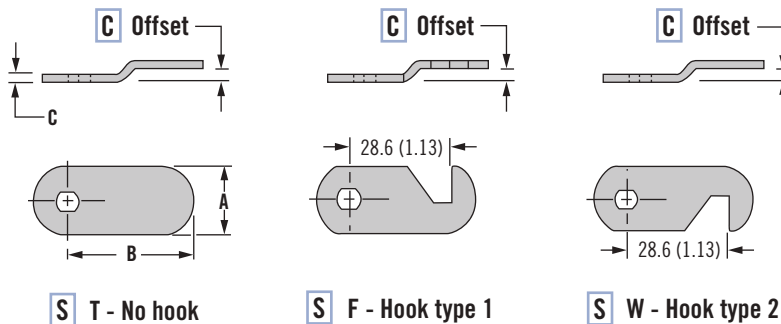
Installation

Standard

Cam Grip					Max. Door Thickness	Housing Length Number
19.0 (.75)	15.9 (.63)	12.7 (.50)	9.5 (.38)	6.4 (.25)	5.1 (.20)	1
23.8 (.94)	20.7 (.81)	17.5 (.69)	14.3 (.56)	11.2 (.44)	10.9 (.43)	2
30.1 (1.19)	27 (1.06)	23.8 (.94)	20.6 (.81)	17.5 (.69)	15.9 (.63)	3
36.8 (1.45)	33.7 (1.33)	30.5 (1.20)	27.3 (1.08)	24.2 (.95)	22.9 (.90)	4
42.8 (1.69)	39.7 (1.56)	36.5 (1.44)	33.3 (1.31)	30.2 (1.19)	28.9 (1.14)	5
Cam Part Number					Cam Type	
Cam Reversed		Straight	Cam Forward			
PT-T409	PT-T209	PT-T009	PT-T209	PT-T409	No Hook	
PT-W409	PT-W209	PT-F009	PT-F209	PT-F409	Left	
PT-F409	PT-F209	PT-F009	PT-W209	PT-W409	Right	

Also use the online configurator at www.southco.com

Cam Styles



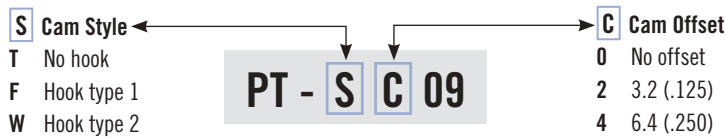
Material

- In the **TAN** section, locate the cam grip calculated for your application. If your grip falls between two values, use the higher value.
Notes: For cam grips that can be achieved with multiple housing lengths, use the value that results in the shortest housing possible based on the Max. door thickness allowed.
- From this value, move right horizontally into the **Gray** section and verify your door thickness falls within the Max. door thickness listed. Once this is verified, the housing length is selected and is illustrated by the housing length number.
- Returning to your original grip value in the **TAN** section, move down vertically into the **GREEN** section. The **GREEN** section illustrates the cams that are appropriate for your grip.
- By determining the required cam orientation and style in the **BLUE** section, the appropriate cam for your application is selected.

Part Number Selection

See table

- Order lock and cam separately
- Cam part number (no lock)
- For Lock selection see page 170



Series	Cam Style T No hook		
	A	B	C
Standard	19 (.75)	28.6 (1.13)	3 (.12)

