chanhvinh.com





# **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

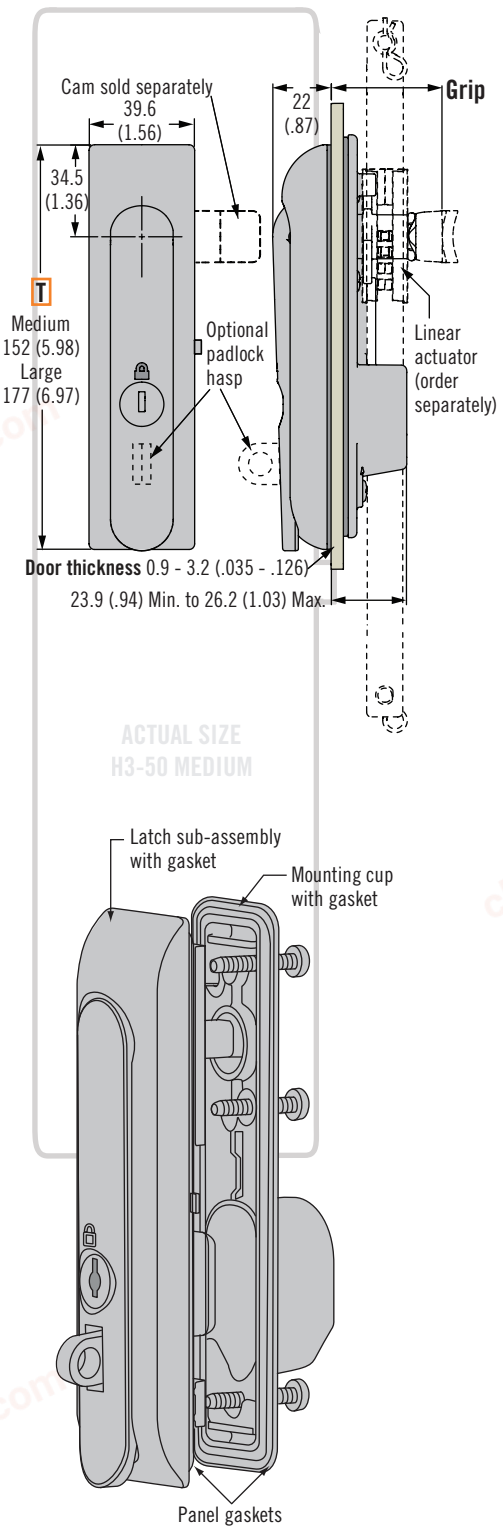
For single point and actuator plate system see pages 186-187

For dimension details of DIN lock version, please contact Southco

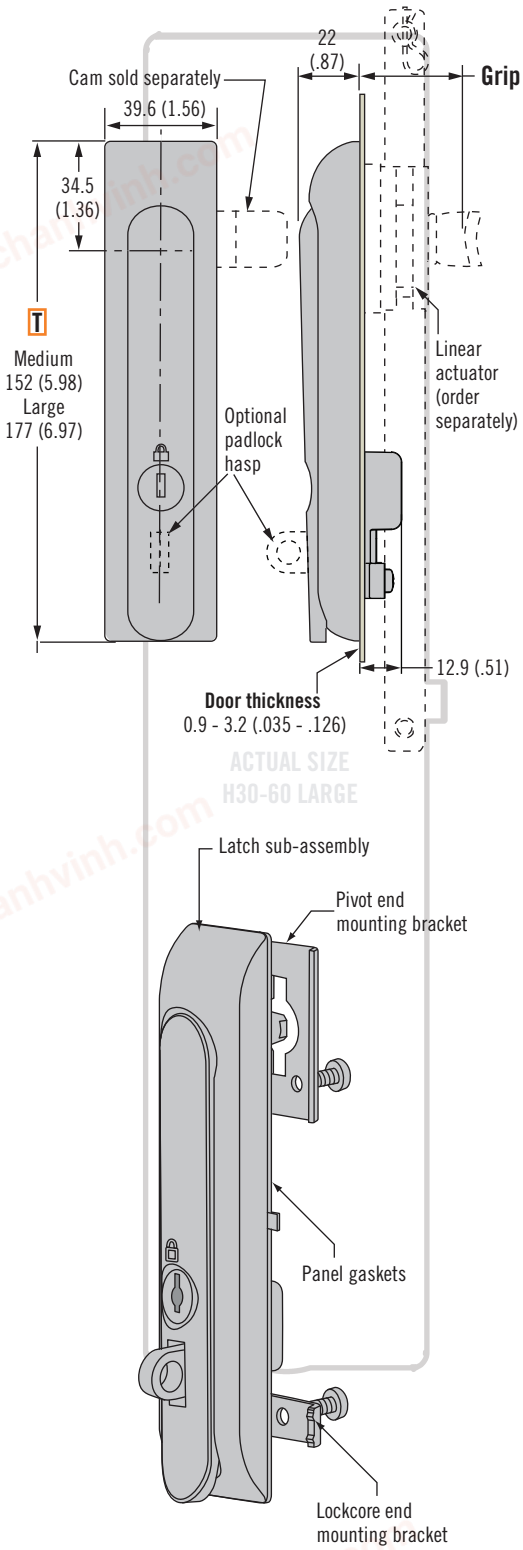
For plastic version see page 228.

*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)






Dimensions in millimeters (inch) unless otherwise stated

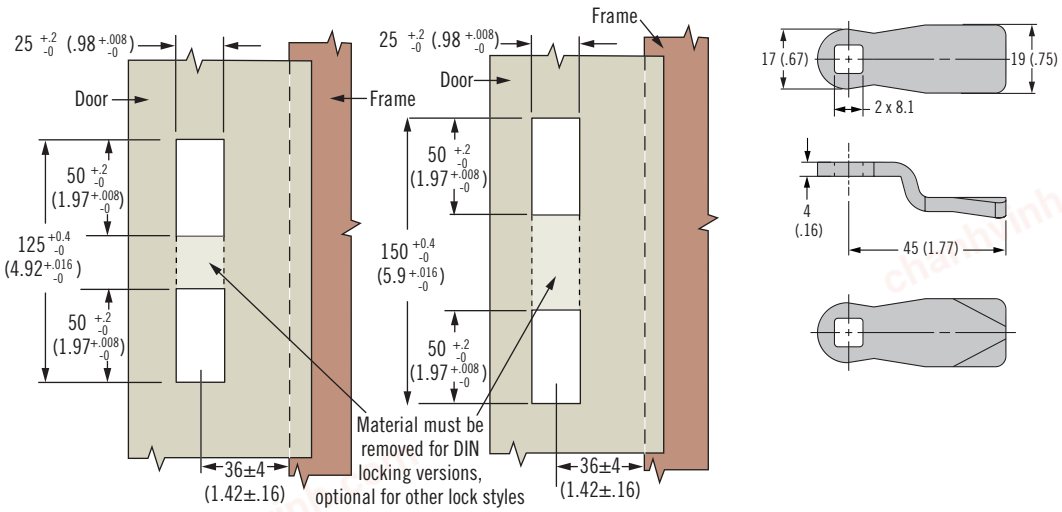
southco®

chanhvinh.com



### Medium H3-50

### Large H3-60




| 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 |

## 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

### Latch Part Number (no cam)

**H3 - T - A L - S F**

**T Size**
**50** Medium - 152 (5.98) length
**60** Large - 177 (6.97) length

**A Actuator style**
**1** No padlock hasp for use with linear actuator (see page 226)
**2** With padlock hasp for use with linear actuator (see page 226)
3 No padlock hasp for use as single point or with actuator plate (see page 227)
**4** With padlock hasp for use as single point or with actuator plate (see page 227)

**L Lock style**
**00** Locking DIN profile (no lock supplied)
**01** Locking keyed alike CH751*
**02** Locking keyed alike 300*
**03** Locking keyed alike 333*
**04** Non-locking
**05** Locking keyed alike HL450
**20** Non-locking with detent
**21** Locking DIN profile keyed alike CH751*
**22** Locking DIN profile keyed alike 300*
**23** Locking DIN profile keyed alike 333*
**24** DIN without Lock Plug
**40** 3 mm Double-bit
**41** 5 mm Double-bit
**42** Bellcore 216
**43** Bellcore Hex-Pin Recess
**47** 8 mm triangle
**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

**S Sealing option**
**0** Non-sealed
**1** Sealed

**F Finish**
**44** Satin chrome
**50** Black powder coated

chanhvinh.com





# 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)

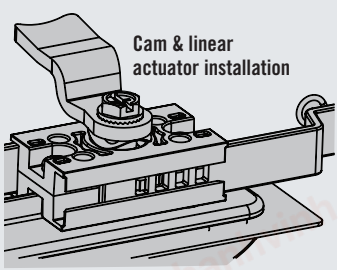
### Accessories

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

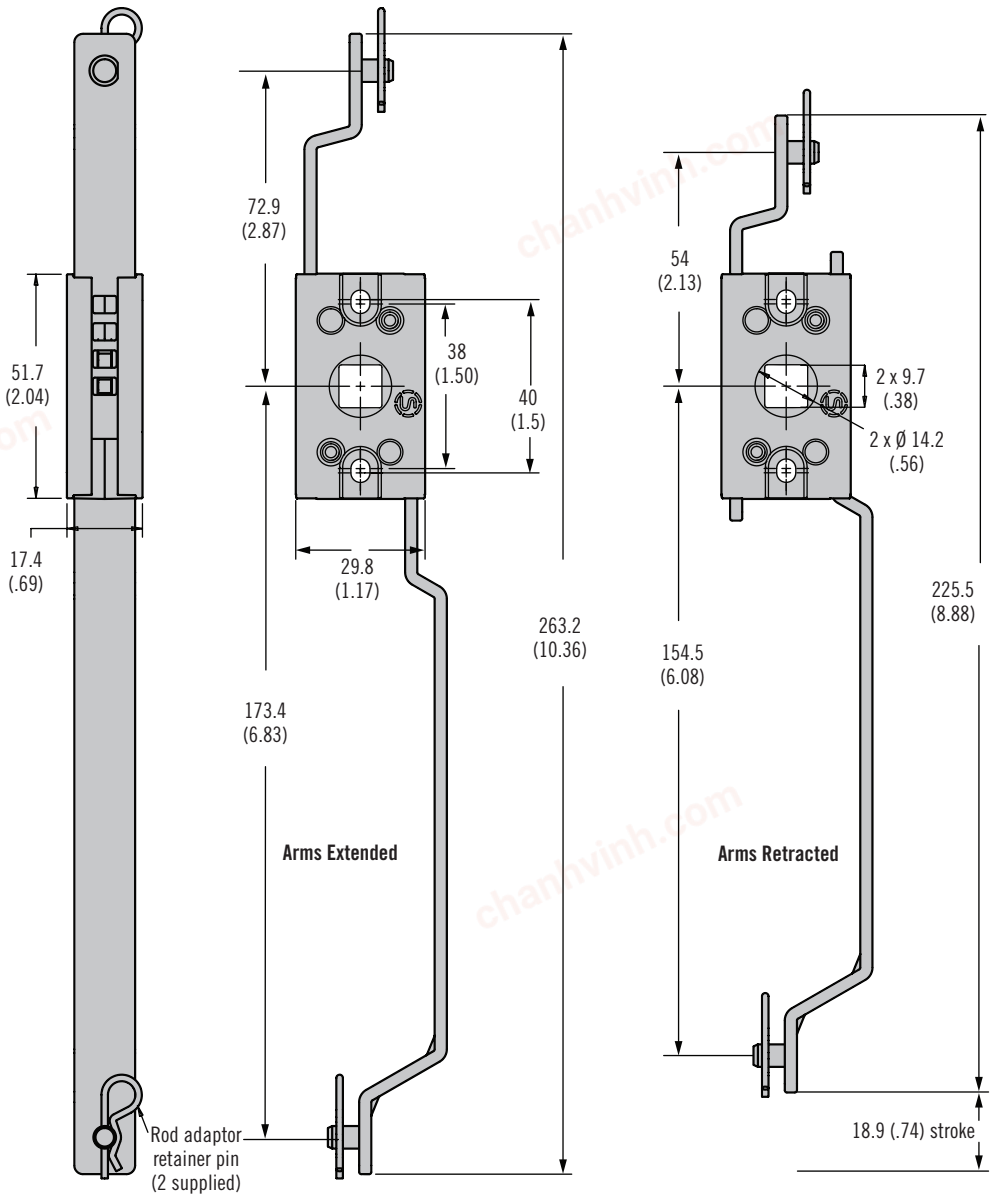
### Part Number

Linear actuator and rod adaptors see table

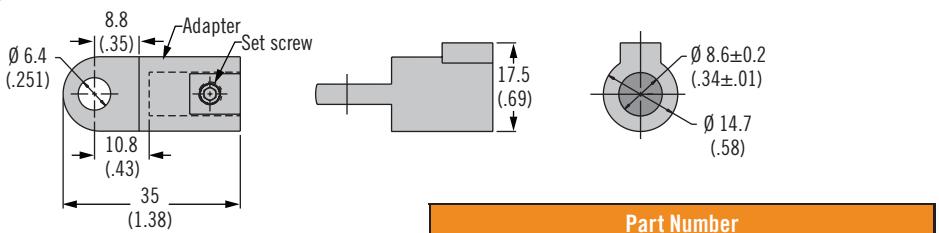
For multi-point order:
Latch (see pages 224-225)
Cam (if 3 point latching required) (see page 225)
Linear actuator and rod adaptor (see table)
Rods (see pages 230-233)
Rod guides (if required) (see page 230)




### Linear Actuator




### Rod Adaptor




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



Dimensions in millimeters (inch) unless otherwise stated

southco®

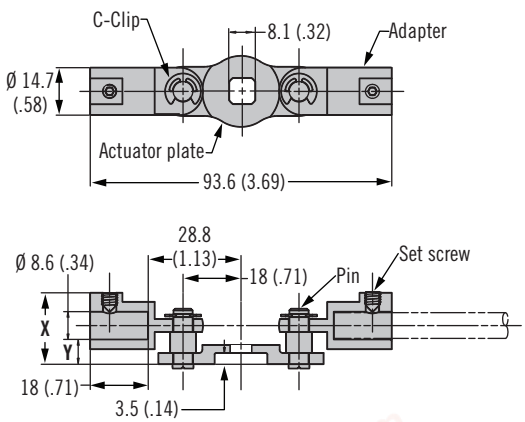
chanhvinh.com



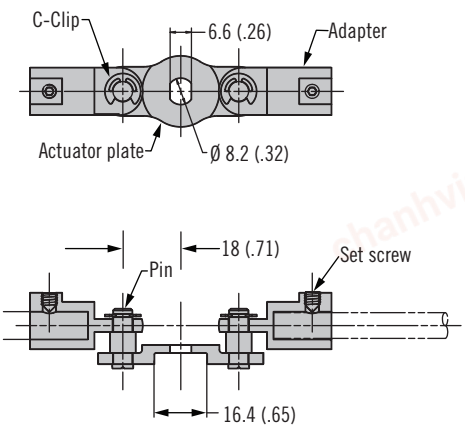


### Actuator Plate

**A5-90-101-11**

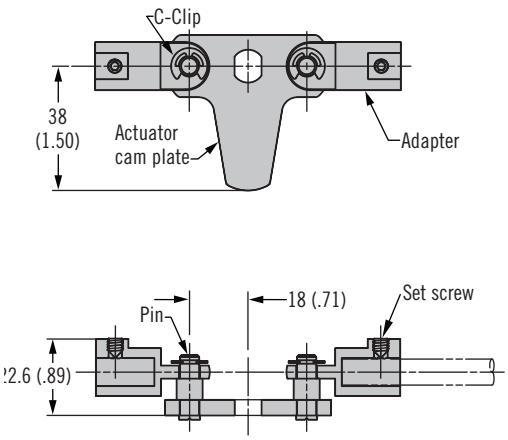



**A5-90-301-11**

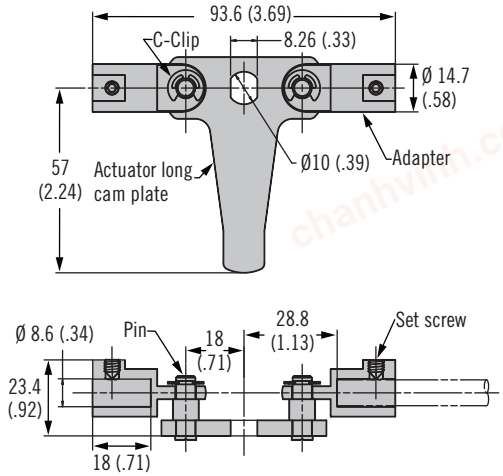



| Part Number | X | Y |
|---|---|---|
| A5-90-101-11 | 22.2 (0.87) | 4.7 (0.18) |
| A5-90-104-11 | 25.2 (0.99) | 7.7 (0.30) |
| A5-90-401-11 | 22.6 (0.89) | 5.1 (0.20) |
| A5-90-501-11 | 23.4 (0.92) | 5.9 (0.23) |

**A5-90-401-11** (Short Cam)




**A5-90-501-11** (Long Cam)




| Actuator Plate Part Number | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Operating Latch Families |  E5-5 |  E5-6 |  E5-9 |  H3-50 |  H3-60 |  62 Series M8 threaded shaft |  92 Series M10 threaded shaft | |
| | Page 152-168 | | | Page 224-225 | | Page 133 | Page 176-177 | |
| 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)

chanhvinh.com





# **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

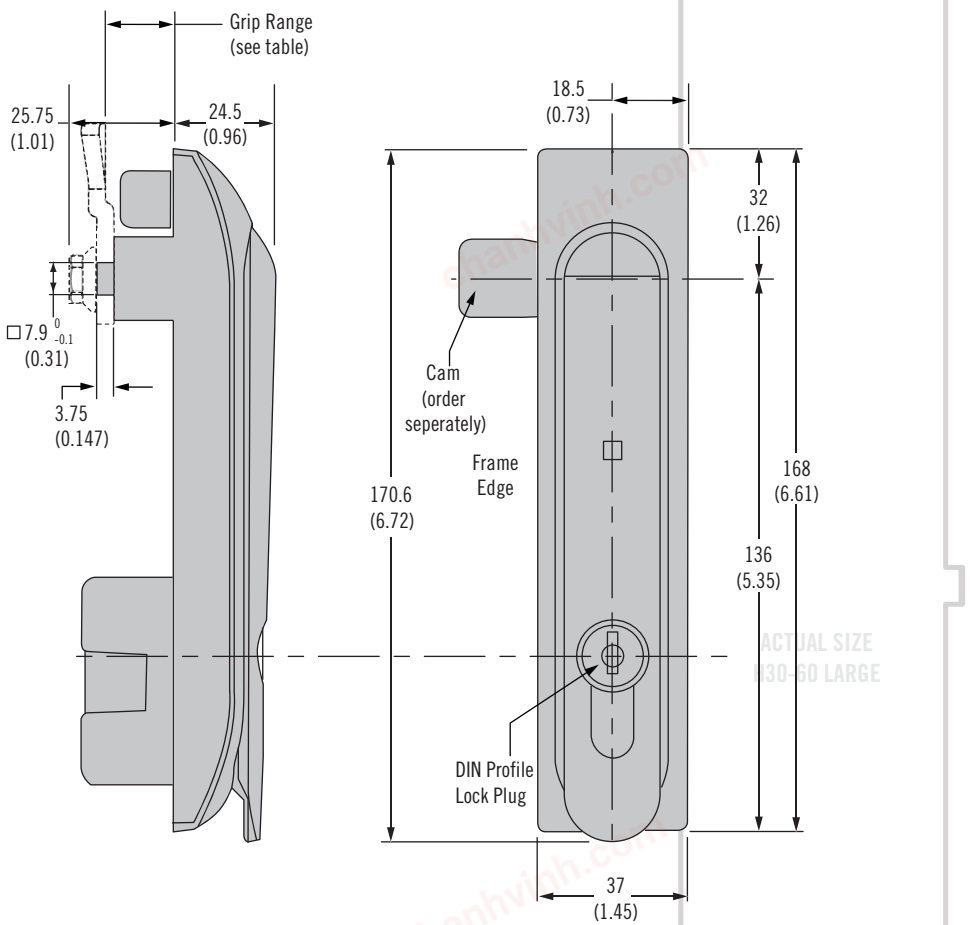
See page 120

### 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

**H3 - T - 5 L - 071**

**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

### 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 | |



Dimensions in millimeters (inch) unless otherwise stated

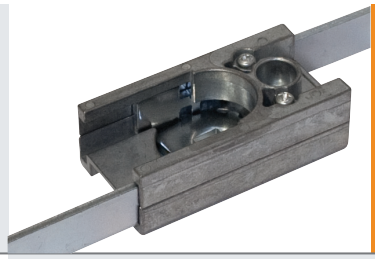
southco®

chanhvinh.com



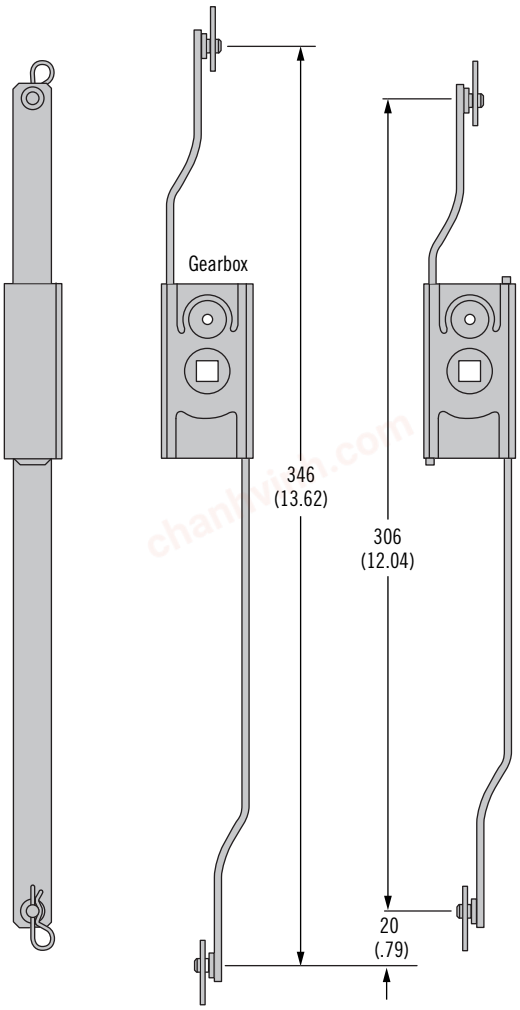
# **H3** Linear Actuators

## Linear actuators and rod adaptor for plastic H3 swinghandle system



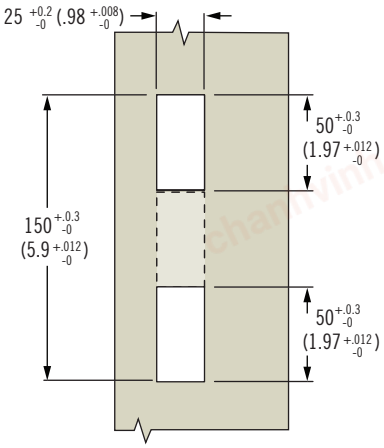
### Linear Actuator

(Right Hand Mounting shown)

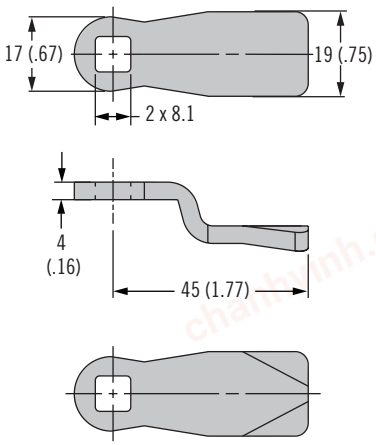



Closed Position Open Position

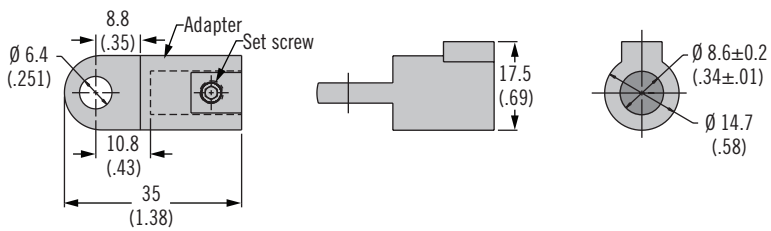
### Panel Preparation




### Cam




### Rod Adaptor




| 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 |

- **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

chanhvinh.com





# 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)

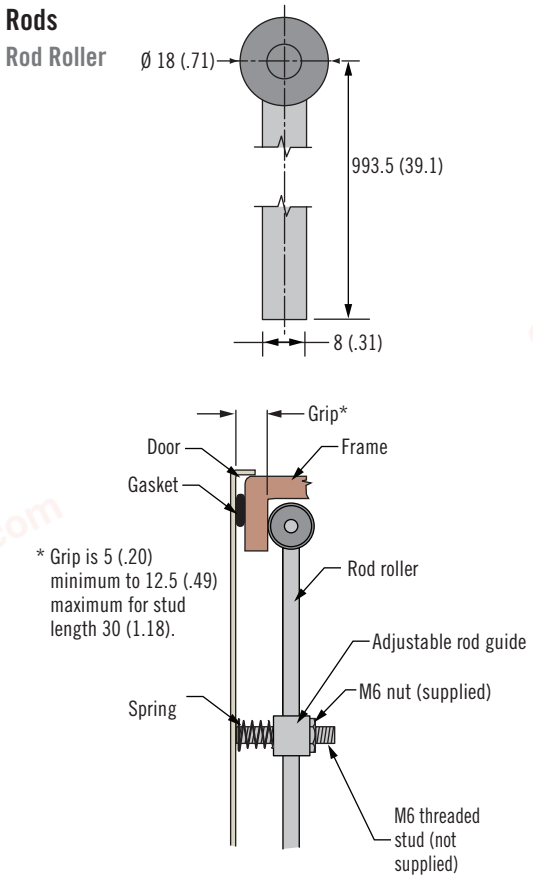
### Part Number

Order rod and rod guide separately see tables

Other rod lengths available. Please contact Southco

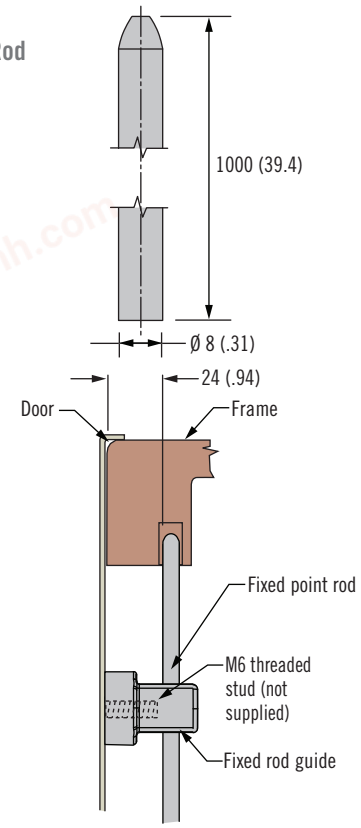
## Rods

### Rod Roller




| Rod Roller Steel Part Number |
|---|
| A5-56-1000-21 |

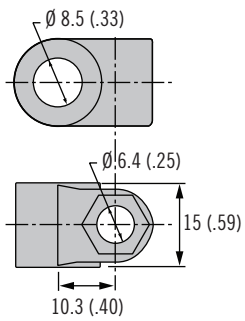
### Fixed Point Rod

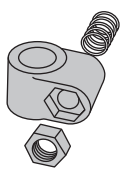



| Material | Fixed Point Rod Part Number |
|---|---|
| Aluminum | A5-55-1000-10 |
| Steel | A5-55-1000-11 |

## Rod Guides

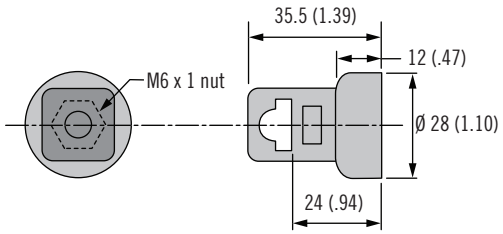
### Adjustable



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

### Fixed




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



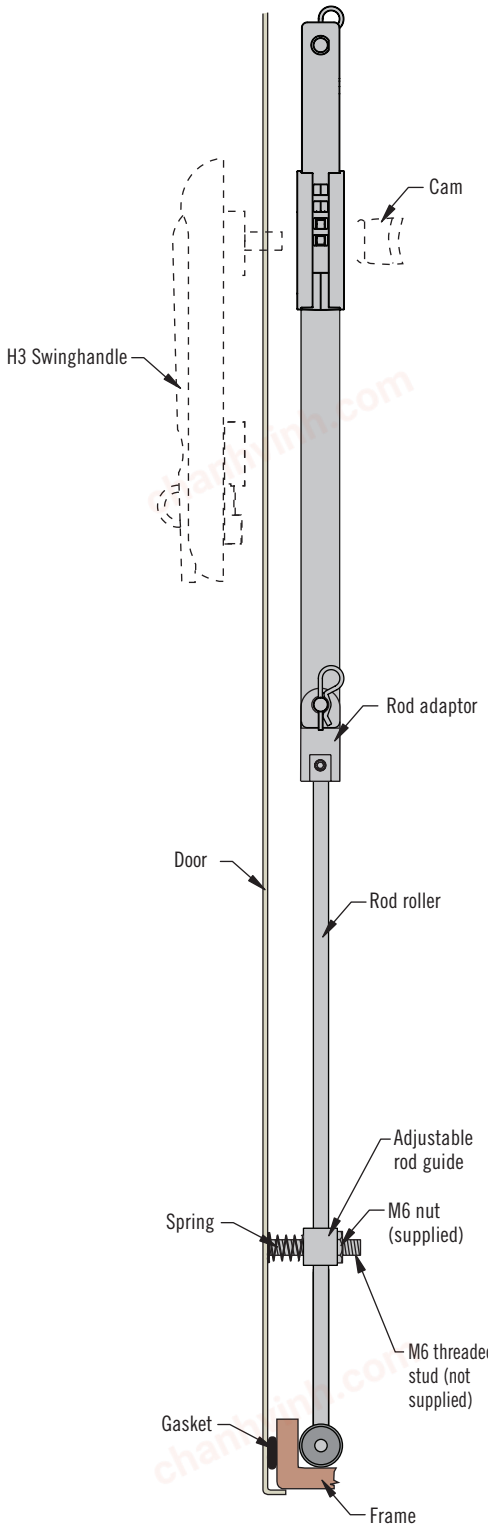
Dimensions in millimeters (inch) unless otherwise stated

southco®

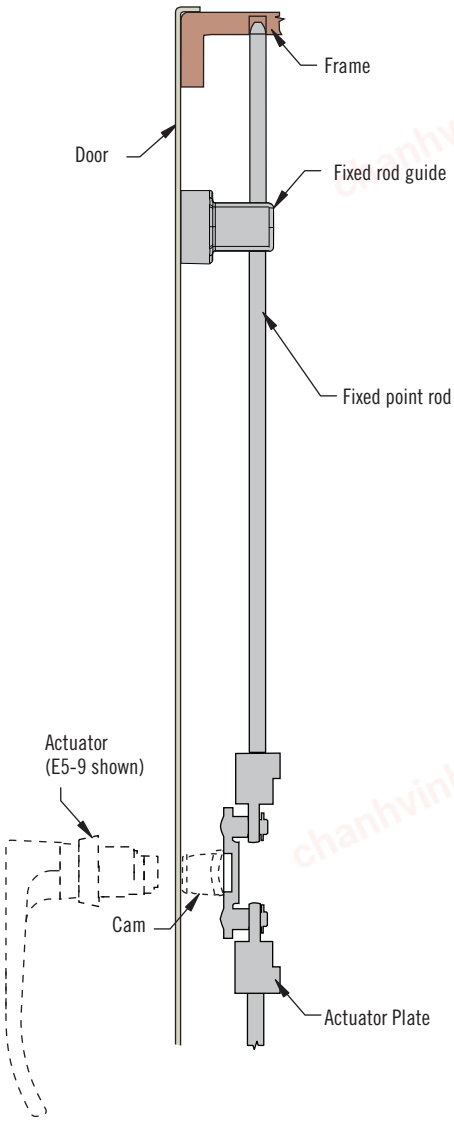
chanhvinh.com



## 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