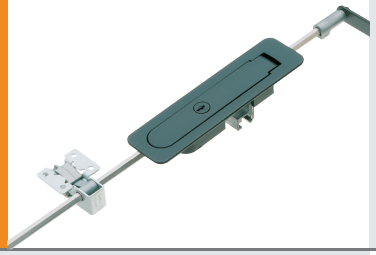


M3 Compression System

Remote compression latch

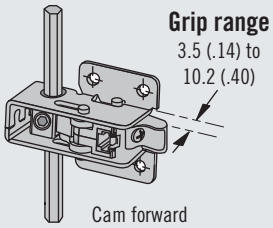
- **Consistent compression driven by rotational rod**
- **Adjustable grip**
- **Meets NEMA 4 / IP66 and EMI standards**
- **Can be driven by hand, tool or key-locking actuators**

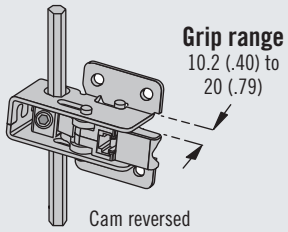
Material and Finish

Zinc alloy and steel, zinc plated

Performance Details

Max. static load:
890 N (200 lbf) per latch
Average ultimate load:
1335 N (300 lbf)





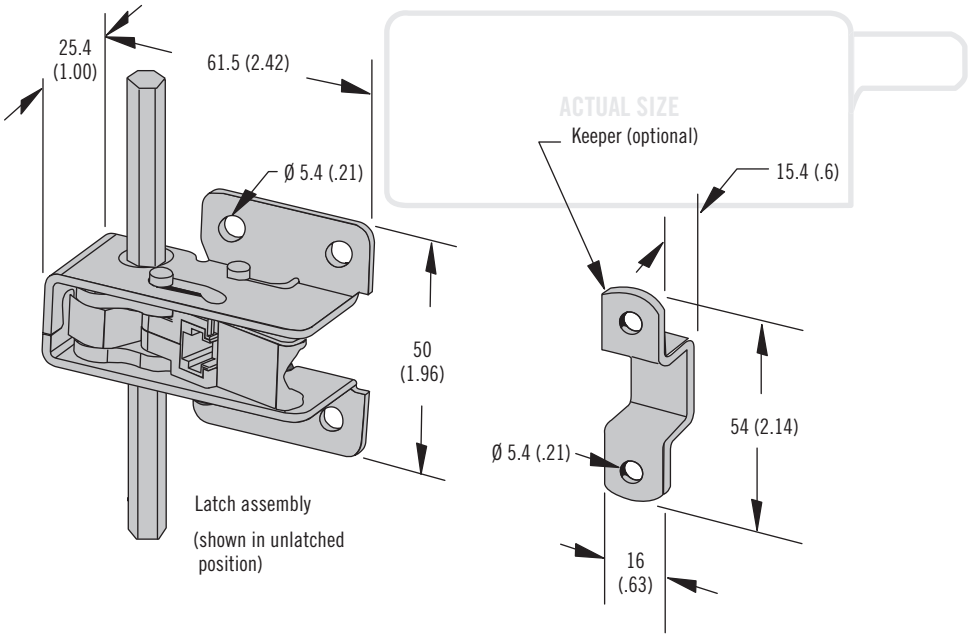
Notes

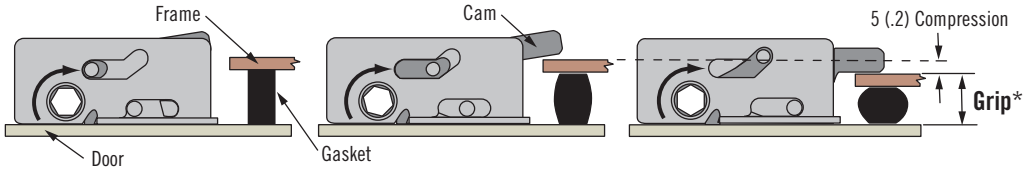
Do not exceed 20 (.79) grip range with cam reversed

Part Number

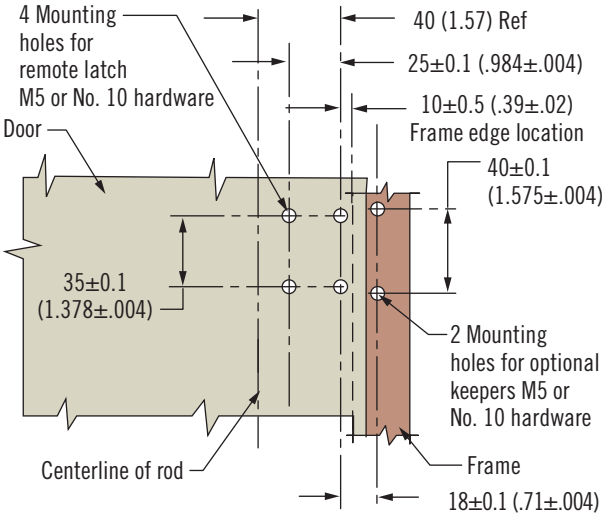
The complete system consists of:
Remote compression latch and/or optional keeper (see page 210)
Actuator (see pages 211-214)
Rods (see page 215)

Order each component separately

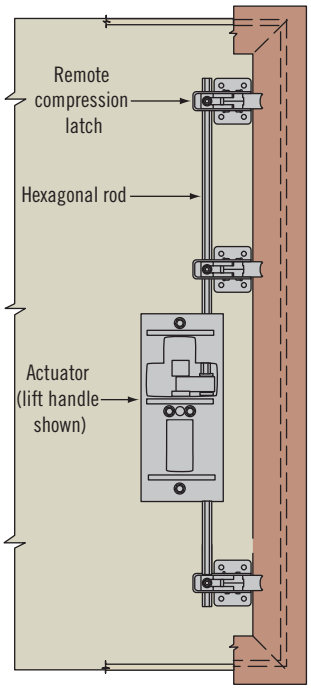




* Measure your **Grip** from the latch mounting surface to the inside frame surface, with gasket compressed



Inside view



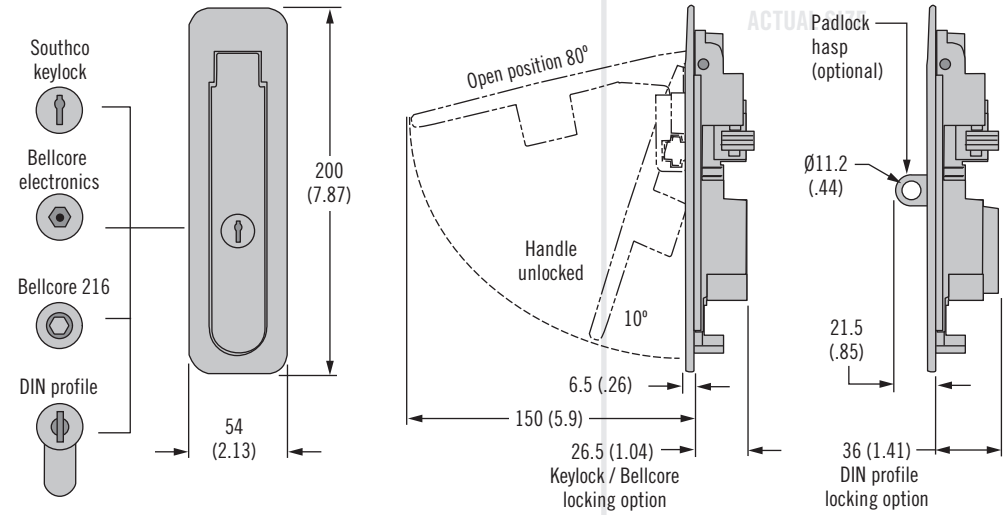
Part Number	
Remote compression latch	M3-50
Keeper (optional) use for grip ranges 15 - 30 (.59 - 1.18)	M3-51

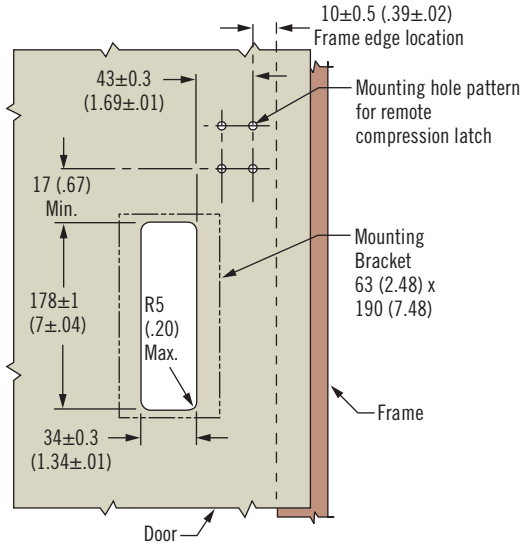
Dimensions in millimeters (inch) unless otherwise stated

southco®

Lift Handle

Locking options





- **Suitable for left and right side latching**
- **Meets NEMA 4/ IP66 and EMI standards**
- **Ejecting handle**

Material and Finish

Zinc alloy black powder coated and steel, zinc plated

Sealing Notes

NEMA 4 / IP66 achieved using gasket supplied

DIN Profile Key Part

M3-0-36406

Part Number Selection

P Padlock option
- **0** Non padlock
- **1** Padlockable

M3 - 40 - L P - D

D Door thickness range
- **10** 1.5 - 3 (.06 - .12)
- **11** 3 - 4.5 (.12 - .18)
- **25** 24 - 25.5 (.94 - 1.0)

L Lock style
- **10** Key-locking keyed alike CH751 (two keys supplied)
- **11** DIN profile supplied keyed alike 347876 (three keys supplied)
- **12** DIN profile, lock not supplied
- **13** Push button
- **16** Bellcore 216
- **17** Bellcore electronics

Actuator only

The complete system consists of:
Remote compression latch and/or optional keeper (see page 210)
Actuator (see page 211-214)
Rods (see page 215)

Order each component separately

M3 Compression System

Actuators · Push-button handle

- **Suitable for left and right side latching**

Material and Finish

Zinc alloy, black powder coated and steel, zinc plated

Sealing Notes

NEMA 4 / IP66 achieved using optional gaskets (ordered separately)

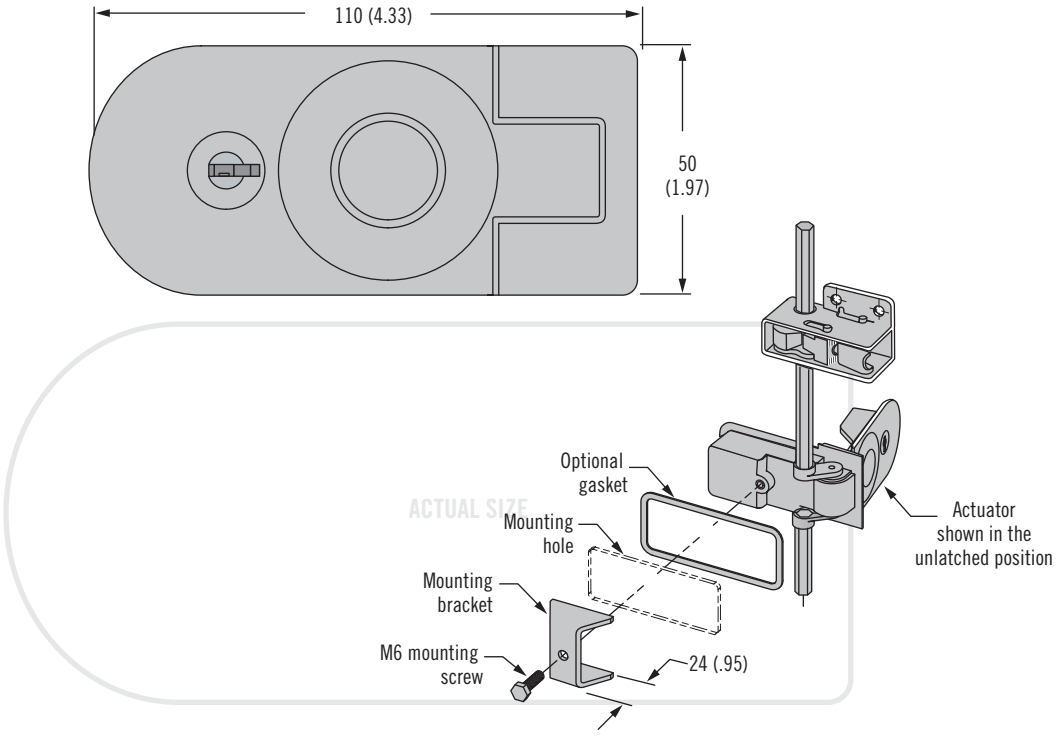
Part Number

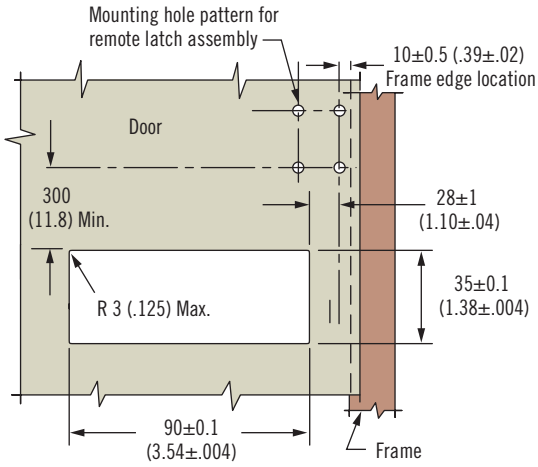
Actuator and sealing gasket only see table

The complete system consists of:
Remote compression latch and/or optional keeper (see page 210)
Actuator (see pages 211-214)
Rods (see page 215)

Order each component separately

Push-Button Handle

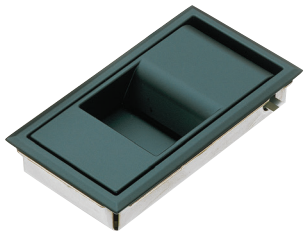




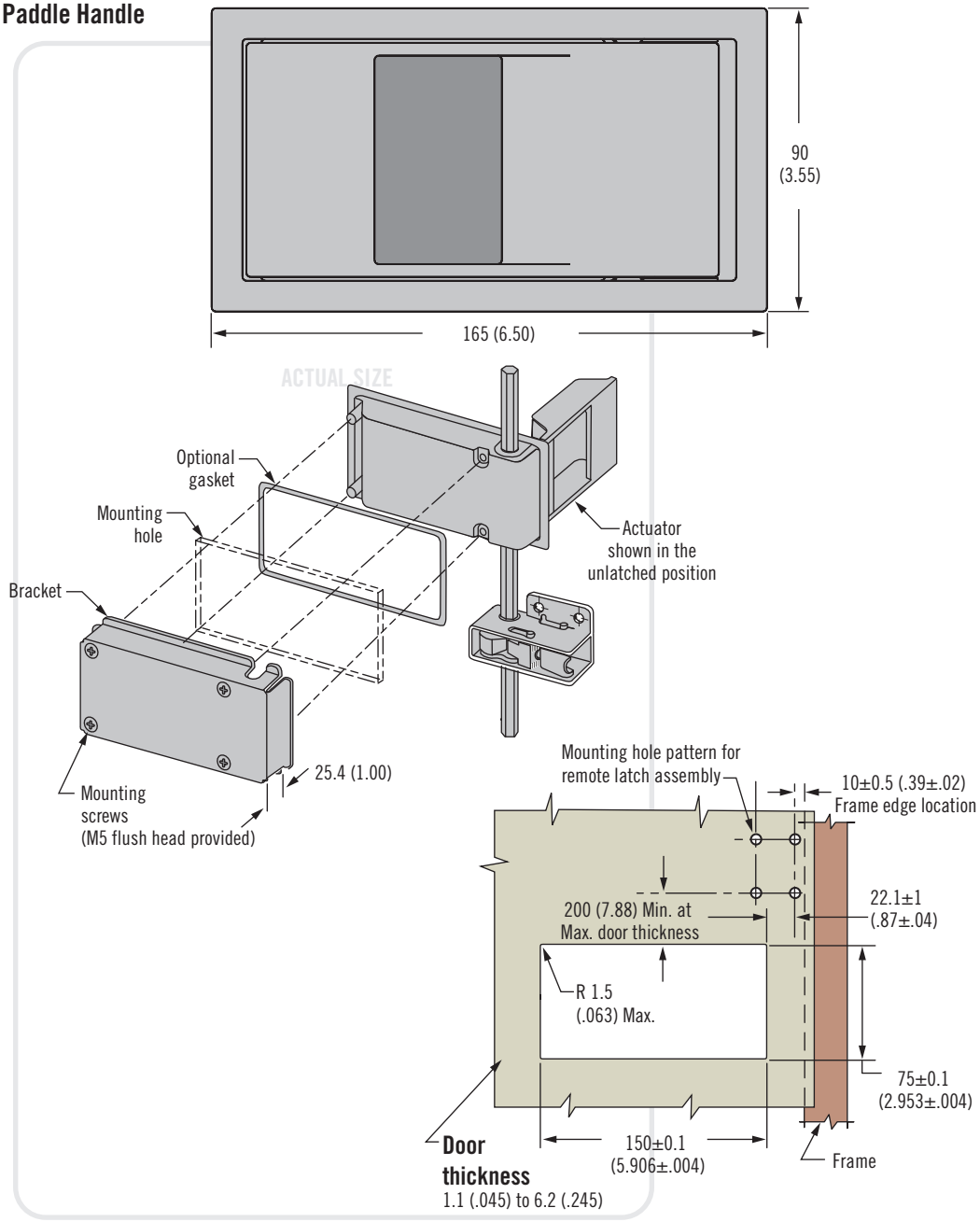
Actuator	Door Thickness Range	Part Number
Push-button handle	0 - 5 (0 - .20)	M3-90
	5 - 10 (.20 - .39)	M3-92
Push-button handle with key-lock	0 - 5 (0 - .20)	M3-91
	5 - 10 (.20 - .39)	M3-93

Sealing Gasket Part Number
C5-82

Dimensions in millimeters (inch) unless otherwise stated



Paddle Handle



Actuator	Part Number
Paddle (includes bracket and screws)	M3-10
Paddle with key-lock (includes bracket and screws)	M3-17

Gasket Type	Part Number
Environmental	M3-12
EMC	M3-13

- **Suitable for left and right side latching**

Material and Finish

Zinc alloy, black powder coated and steel, zinc plated

Sealing Notes

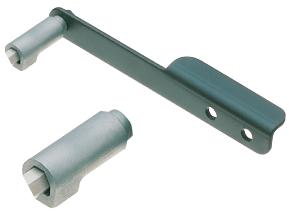
NEMA 4 / IP66 achieved using gasket supplied

Part Number

Actuator and gaskets only see table

The complete system consists of:
Remote compression latch and/or optional keeper (see page 210)
Actuator (see pages 211-214)
Rods (see page 215)

Order each component separately



M3 Compression System

Actuators · Door edge lever · Concealed

- **Simple actuator for top or bottom of door**

Material and Finish

Door edge lever: Zinc alloy, black powder coated and steel, zinc plated
Adaptor: Zinc alloy, chemical protective film
Concealed: Zinc alloy, chemical protective film

Notes

Concealed: Operated by 8mm hex wrench (not supplied)

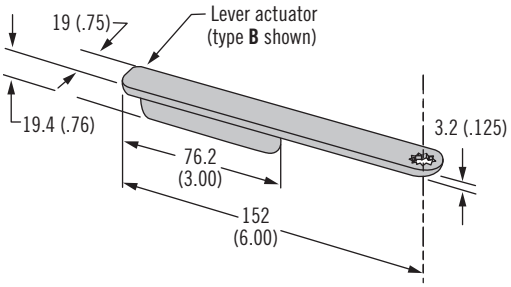
Part Number

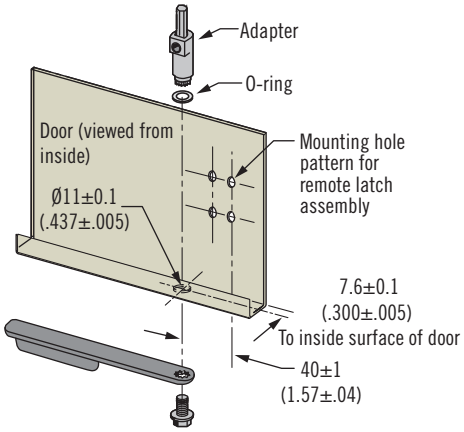
Actuator only see table

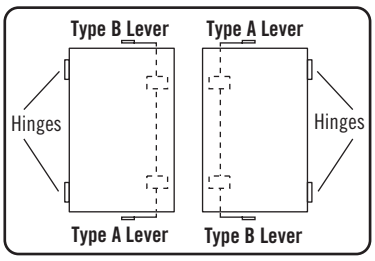
The complete system consists of:
Remote compression latch
Remote compression latch and/or optional keeper (see page 210)
Actuator (see pages 211-214)
Rods (see page 215)

Order each component separately

Door Edge Lever



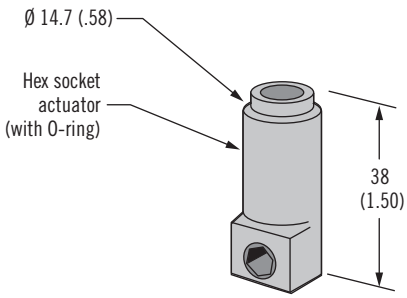


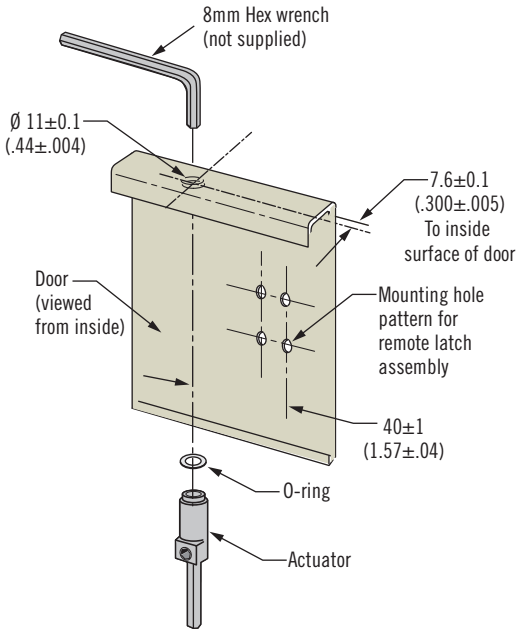


Viewed from outside

Actuator	Type	Part Number
Lever (includes adapter and O-ring)	A	M3-31
	B	M3-32

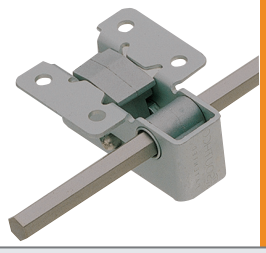
Concealed





Actuator	Part Number
Hex socket with O-ring seal	M3-30

Dimensions in millimeters (inch) unless otherwise stated



Material and Finish
Stainless steel, natural

Notes
If you choose to use your own rods, they should have no more than 1 degree of twist in any meter length

Part Number
Rod only see table

The complete system consists of:
Remote compression latch and/or optional keeper (see page 210)
Actuator (see pages 211-214)
Rods (see page 215)

Order each component separately

Calculation Notes
Once you have completed the calculation please order the following parts:

- 1 x Actuator
- 1 or 2 rods to correct length
- Number of compression latches determined from calculation

Hexagonal Rod

Hex Rod Length		Part Number
Hex rods (length measured in centimeters)	125 cm	M3-125
	155 cm	M3-155
	185 cm	M3-185

Calculator
To determine the minimum number of remote compression latches you require along the door edge:

$$N = \frac{L \times R}{470}$$

N = Number of compression latches along door edge (rounded to the nearest whole number)
L = Total length of gasketing material in millimeters
R = Gasket compression rate in N / mm

Example: $\frac{5200 \text{ mm} \times 0.3 \text{ N / mm}}{470} = 3.28 = 3 \text{ latches}$

Remote compression latches should be evenly spaced along edge of door