



R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Ideal for space limited applications
- Compatible with wide array of actuators
- Integrated bumper for anti-vibration feature

Material and Finish

Steel, zinc or zinc nickel plated or 304 stainless steel, passivated

Accessories

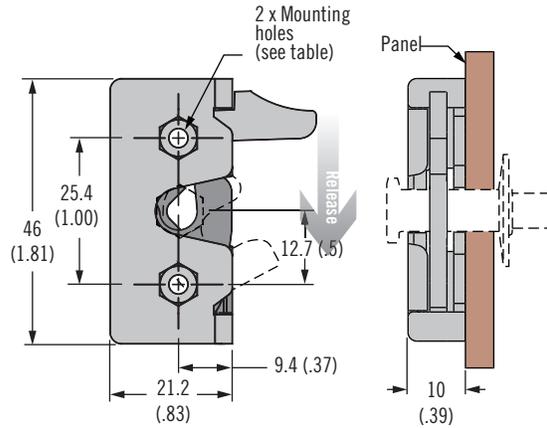
Cables and retainer clips see pages 322-323

Notes

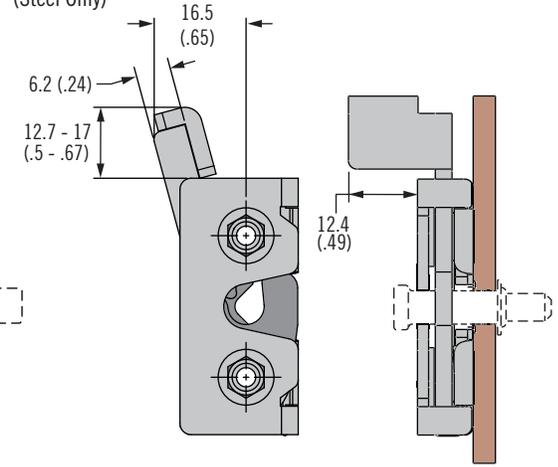
Electromechanical rotary latch available see page 20

For electrical actuation option see page 42

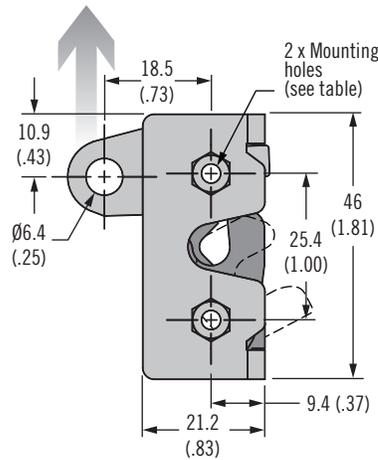
Hand Actuation



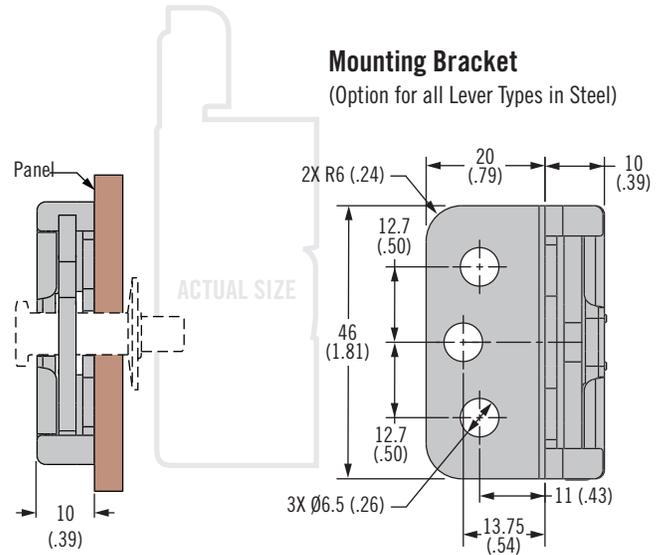
Direct Actuation (Steel Only)



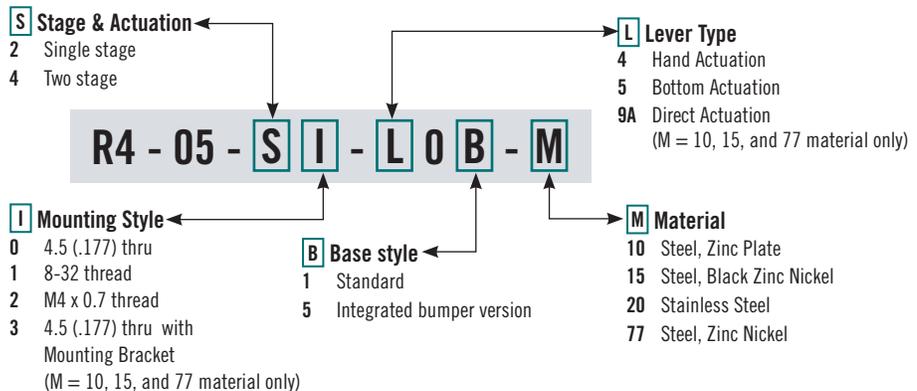
Bottom Actuation



Mounting Bracket (Option for all Lever Types in Steel)



Part Number Selection



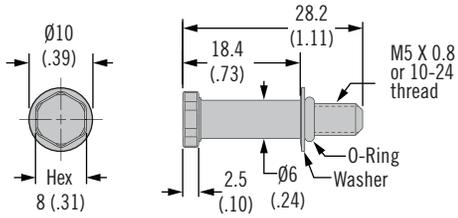
R4 Rotary Latch

Striker bolt · Light-duty · Installation



Striker Bolt

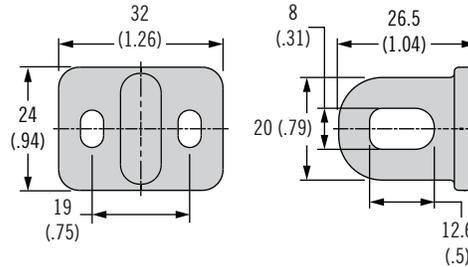
(sold separately)



Striker Bolt Part Number		
Part Number	Thread	Material
R4-90-0511-10	10-24-UNC	Steel
R4-90-0511-20	10-24-UNC	Stainless Steel
R4-90-0521-10	M5 X 0.8	Steel
R4-90-0521-20	M5 X 0.8	Stainless Steel

Molded Striker

(sold separately)



Part Number	
Molded striker	R4-0-61336

• Strikers for R4-05 series rotary latch

Material and Finish

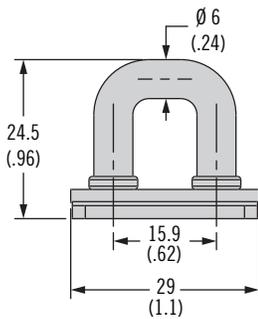
Steel, zinc nickel, zinc plated, black zinc nickel, Stainless Steel

Part Number

See tables

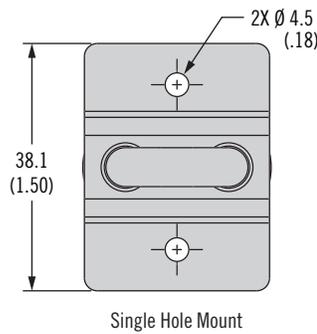
Wire Form Strikers

(sold separately)



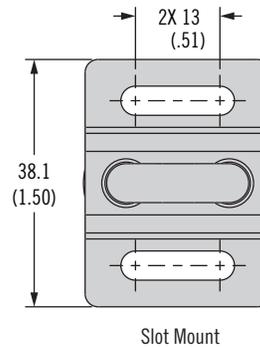
Single Hole Mount

R4-90-0501-XX



Slot Mount

R4-90-0502-XX



Wire Form Strikers		
Part Number	Mount	Material
R4-90-0501-10	Single Hole	Steel, Zinc Plated
R4-90-0501-15	Single Hole	Steel, Black Zinc Nickel
R4-90-0501-77	Single Hole	Steel, Zinc Nickel
R4-90-0502-10	Slot	Steel, Zinc Plated
R4-90-0502-15	Slot	Steel, Black Zinc Nickel
R4-90-0502-77	Slot	Steel, Zinc Nickel



R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

Accessories

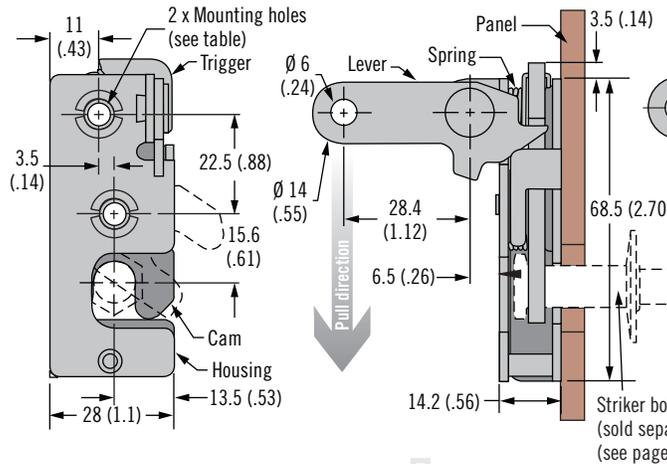
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see pages 322-323

Notes

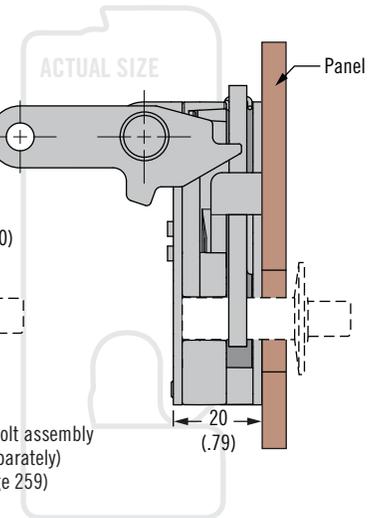
Electromechanical rotary latch available see page 20

Single Stage - Perpendicular (left hand actuation shown)

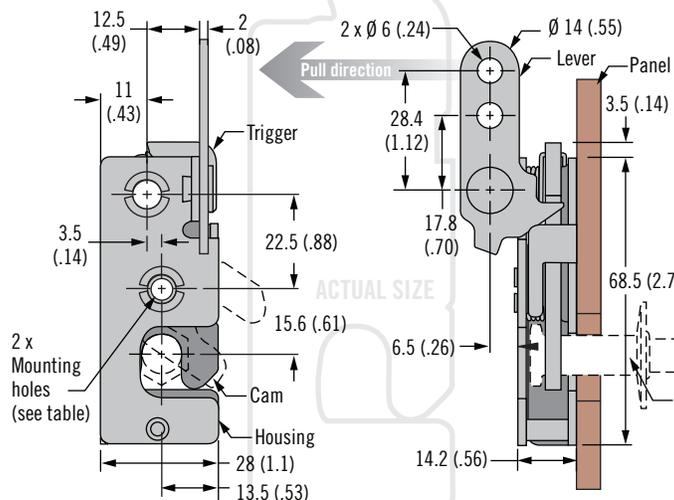


Integrated Bumper Version (dimensions same as standard version except as shown)

(dimensions same as standard version except as shown)

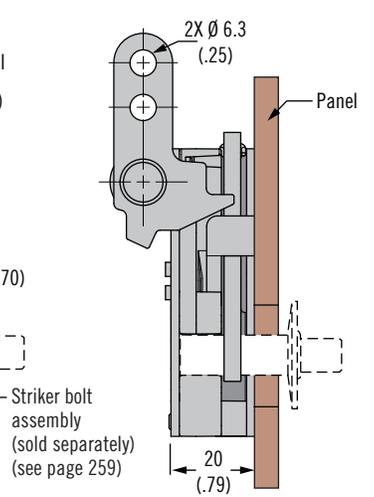


Single Stage - In-Line (left hand actuation shown)



Integrated Bumper Version (dimensions same as standard version except as shown)

(dimensions same as standard version except as shown)



Part Number Selection

S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

L Lever Type

- 1 Perpendicular
- 2 In-Line

R4 - 10 - S I - L O B - M

I Mounting Style

- 0 $\varnothing 7.2$ (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

B Base Style

- 1 Standard
- 5 Integrated bumper version

M Material

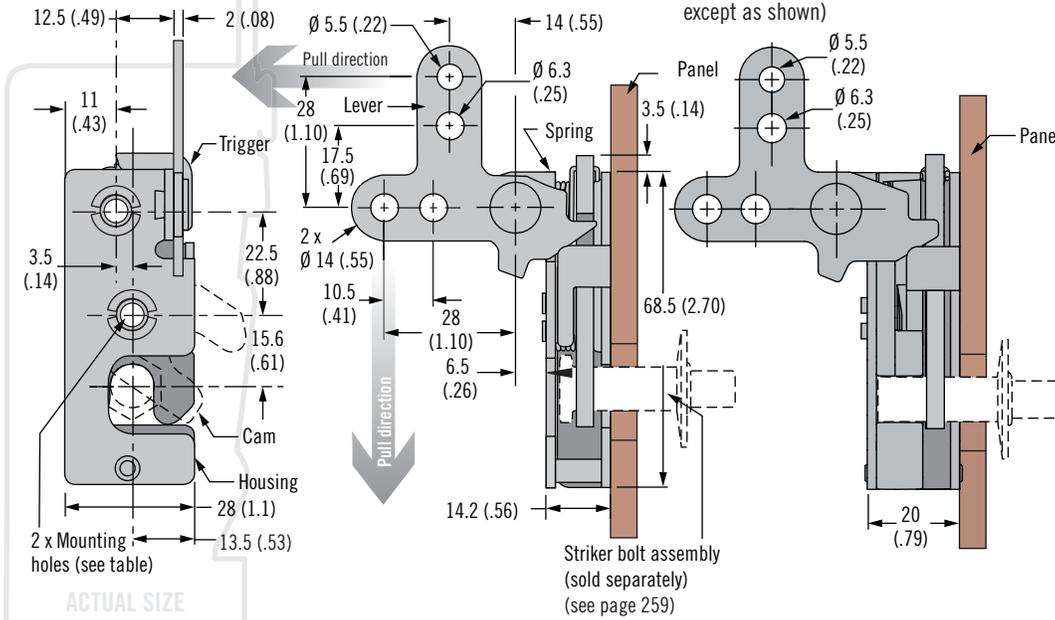
- 10 Steel
- 20 Stainless steel

R4 Rotary Latch

Light-Duty · Concealed · Single and two stage



Single Stage - Two Point (left hand actuation shown)



Integrated Bumper Version (dimensions same as standard version except as shown)

- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

Accessories

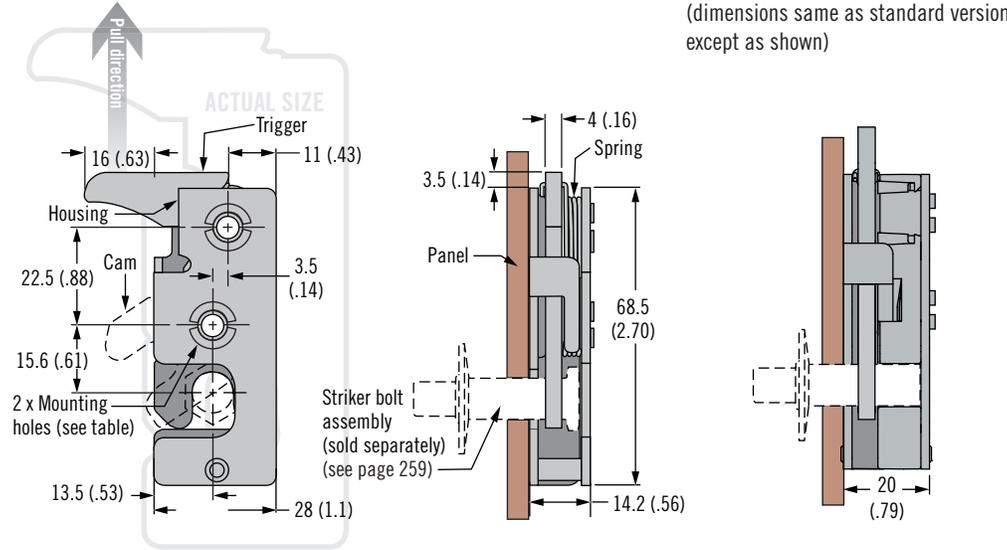
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see page 322-323

Notes

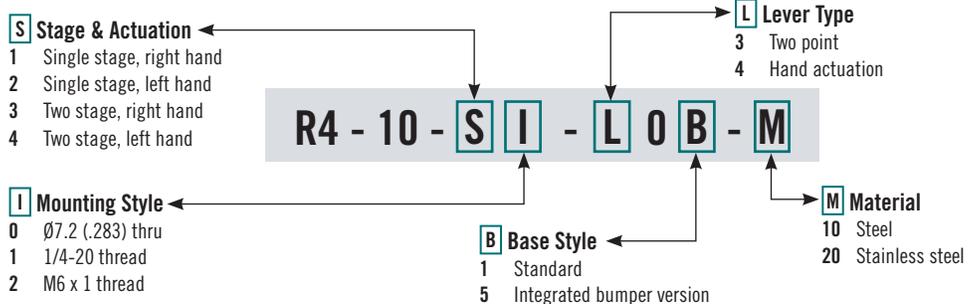
Electromechanical rotary latch available see page 20

Single Stage - Hand Actuation



Integrated Bumper Version (dimensions same as standard version except as shown)

Part Number Selection





R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

Accessories

Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see pages 322-323

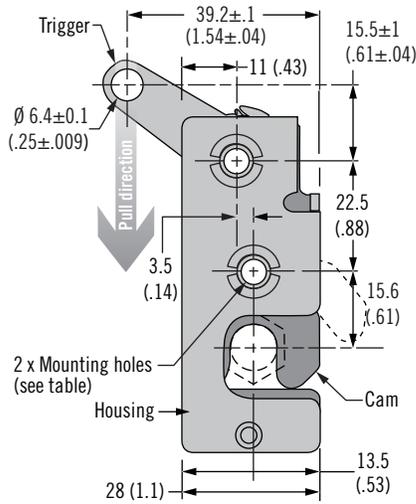
Notes

Electromechanical rotary latch available see page 20

For electrical actuation option see page 43

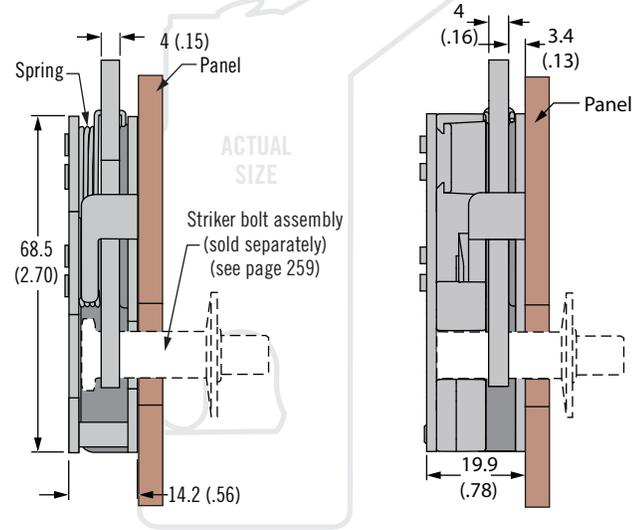
Single Stage - Bottom

(left hand actuation shown)



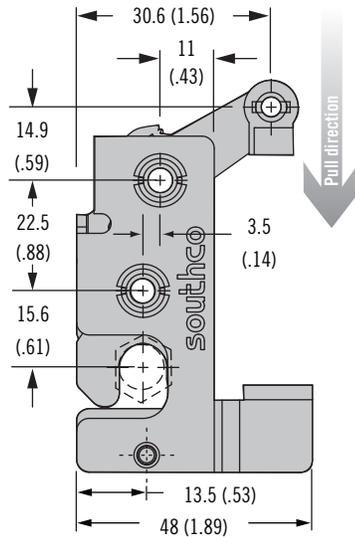
Integrated Bumper Version

(dimensions same as standard version except as shown)



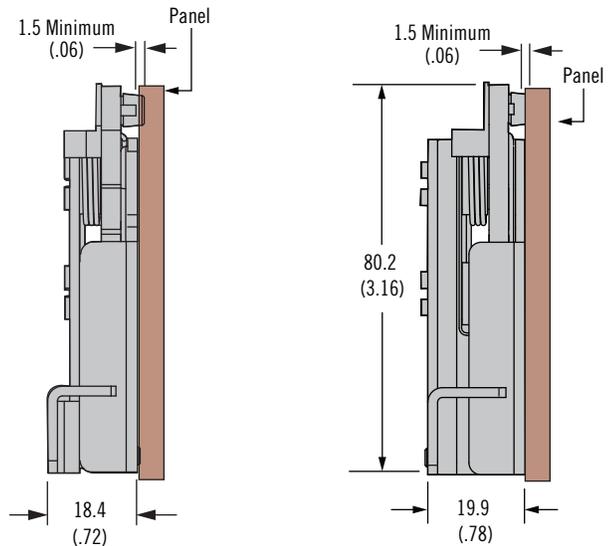
Single Stage - Bottom with Cable Bracket

(Right hand actuation shown)



Integrated Bumper Version

(dimensions same as standard version except as shown)



Part Number Selection

R4 - 10 - S I - 50 B - M

S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

I Mounting Style

- 0 Ø7.2 (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

B Base Style

- 1 Standard
- 2 Standard with cable bracket
- 5 Integrated bumper
- 6 Integrated bumper with cable bracket

M Material

- 10 Steel
- 20 Stainless steel

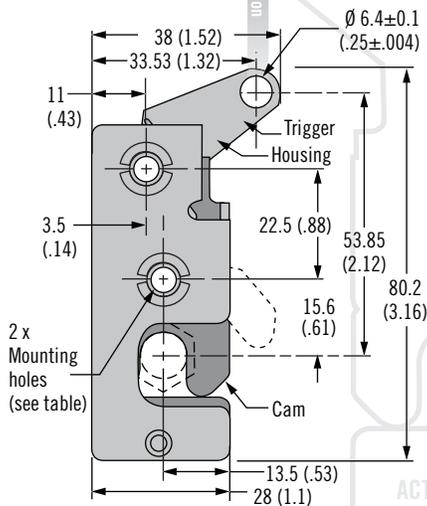
R4 Rotary Latch

Light-Duty · Concealed · Single and two stage



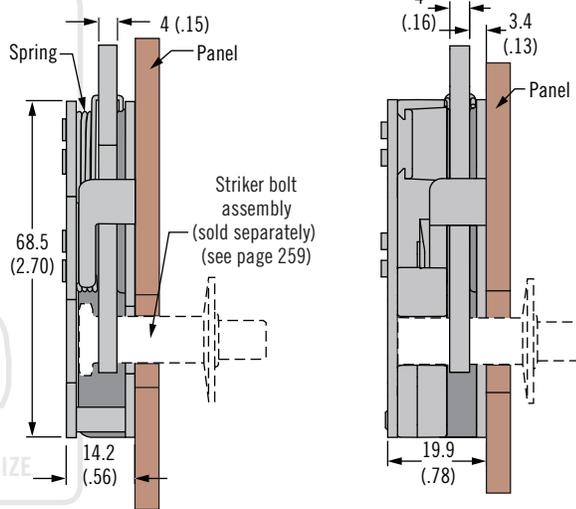
Single Stage - Top

(left hand actuation shown)



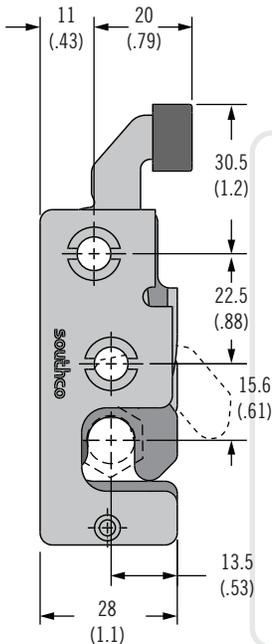
Integrated Bumper Version

(dimensions same as standard version except as shown)



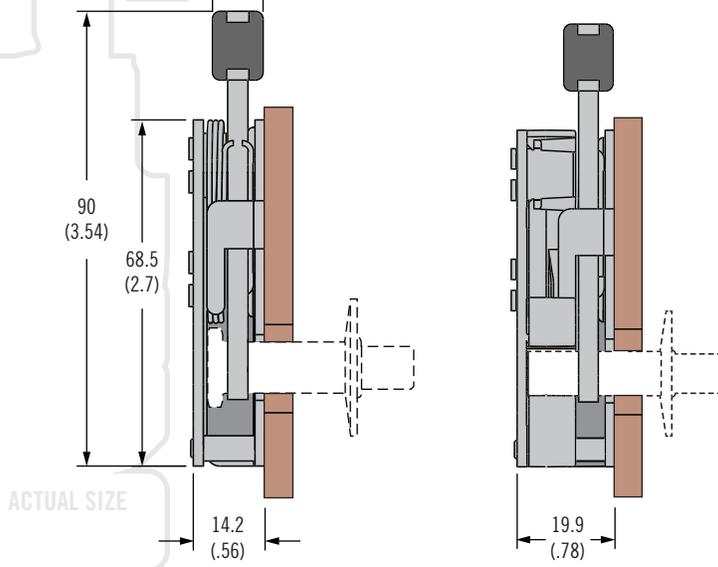
Single Stage - Direct Actuation

(left hand actuation shown)



Integrated Bumper Version

(dimensions same as standard version except as shown)



- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated

Accessories

Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see page 322-323

Trigger - use retaining clip

R4-0-43922-2

Lever - use retaining clip

R4-0-43922

Notes

Electromechanical rotary latch available see page 20

Part Number Selection

S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

L Lever Type

- 6 Top
- 9 Direct Actuation

R4 - 10 - S I - L 0 B - M

I Mounting Style

- 0 Ø7.2 (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

B Base Style

- 1 Standard
- 5 Integrated bumper version

M Material

- 10 Steel
- 20 Stainless steel



R4 Rotary Latch

Light-duty · Concealed · Dual Trigger · Single and two stage

- Direct actuation, no cable or rod required
- Integrated bumper version for anti-vibration feature
- EN 45545-3 E60 Compliant (Standard version only)

Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

Accessories

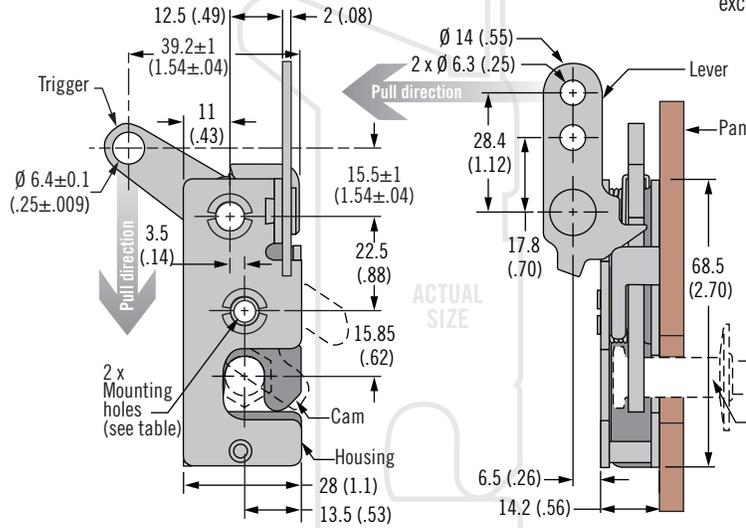
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Notes

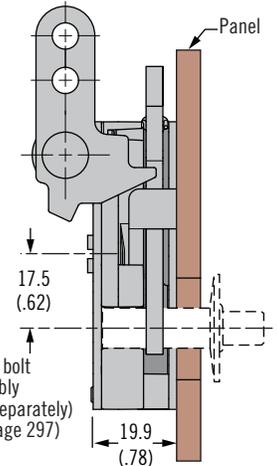
Electromechanical rotary latch available see page 20

For electrical actuation option for bottom lever designs, see page 43

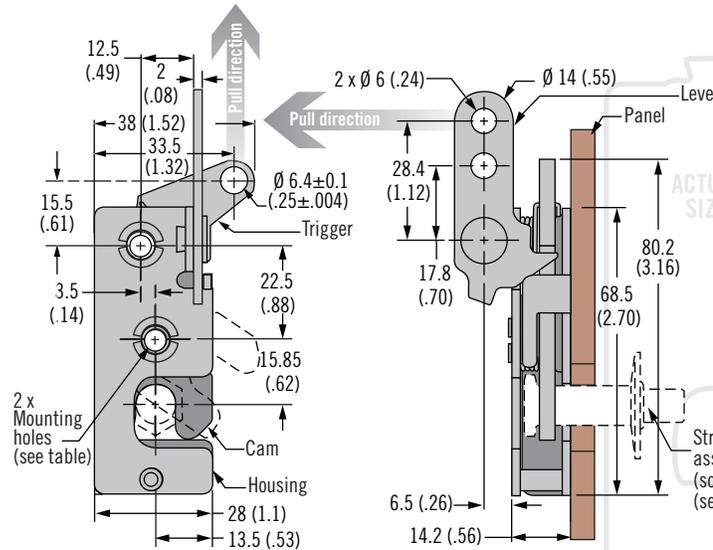
Single Stage - Dual Trigger - Bottom (left hand actuation shown)



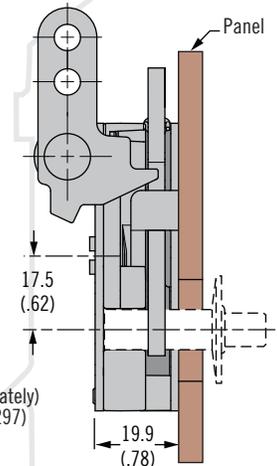
Integrated Bumper Version (dimensions same as standard version except as shown)



Single Stage - Dual Trigger - Top (left hand actuation shown)



Integrated Bumper Version (dimensions same as standard version except as shown)



Part Number Selection

S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

L Lever Type

- 7 Dual trigger, bottom
- 8 Dual trigger, top

I Mounting Style

- 0 $\varnothing 7.2$ (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

B Base Style

- 1 Standard
- 5 Integrated bumper version

M Material

- 10 Steel

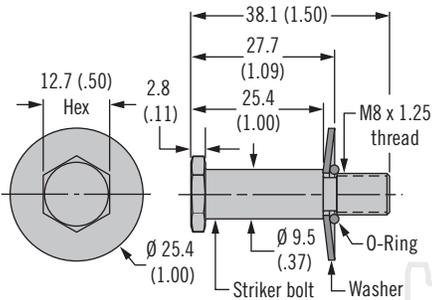
R4 - 10 - S I - L 0 B - M

R4 Rotary Latch

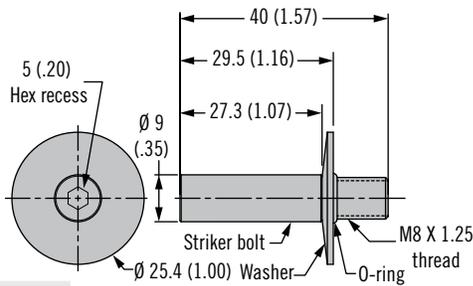
Striker bolt · Light-duty · Installation



Striker Bolt Assembly - Standard (sold separately)



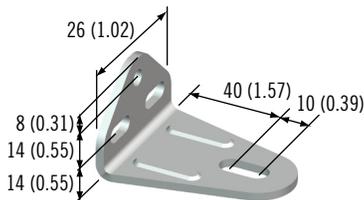
Striker Bolt Assembly - Integrated Bumper (sold separately)



Striker Bolt Standard	
Part Number	Material
R4-90-121-10	Steel, Zinc Plated
R4-90-121-20	Stainless Steel

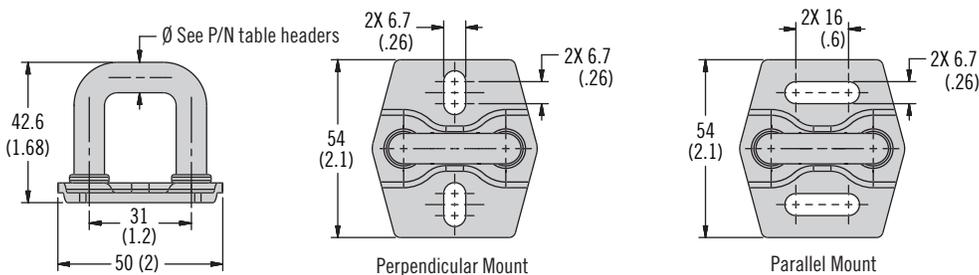
Striker Bolt Integrated Bumper	
Part Number	Material
R4-90-124-10	Steel, Zinc Plated
R4-90-124-20	Stainless Steel

Striker 90° Mounting Bracket



Striker Mounting Bracket	
Part Number	Material
R4-0-50114	Stainless Steel

Wire Form Strikers (sold separately)



Wire Form Strikers - Standard $\varnothing 9.2 (.36)$		
Part Number	Mount	Material
R4-90-101-10	Perpendicular	Steel, Zinc Plated
R4-90-101-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-101-20	Perpendicular	Stainless Steel
R4-90-101-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-102-10	Parallel	Steel, Zinc Plated
R4-90-102-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-102-20	Parallel	Stainless Steel
R4-90-102-77	Parallel	Steel, Zinc Nickel Plated

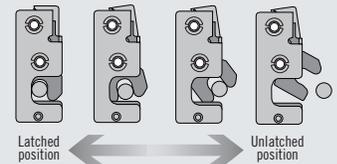
Wire Form Strikers -Integrated Bumper $\varnothing 9 (.35)$		
Part Number	Mount	Material
R4-90-104-10	Perpendicular	Steel, Zinc Plated
R4-90-104-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-104-20	Perpendicular	Stainless Steel
R4-90-104-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-106-10	Parallel	Steel, Zinc Plated
R4-90-106-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-106-20	Parallel	Stainless Steel
R4-90-106-77	Parallel	Steel, Zinc Nickel Plated

• Strikers for R4-10 series rotary latch

Material and Finish

Steel, zinc plated Steel, zinc nickel plated, Steel, black zinc nickel plated, Stainless Steel, passivated

Operation



Part Number

See tables



R4 Rotary Latch

Medium-Duty - Tool / Key Actuated

- Tool or key operation
- High cycle life
- Meets tool access standard

Material and Finish

Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

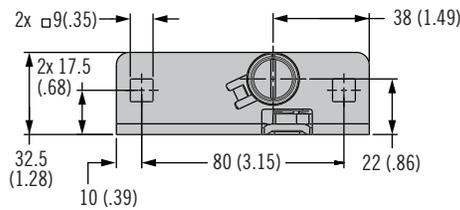
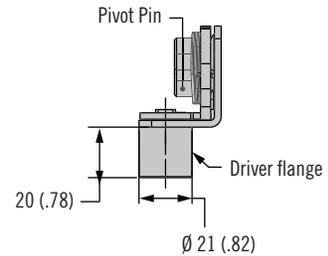
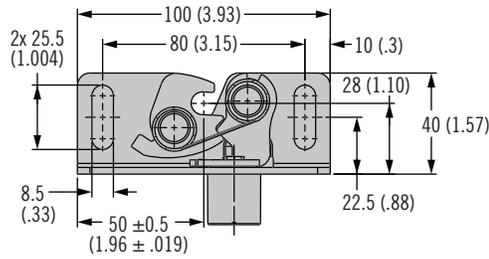
Accessories

Standard head style keys see page 121
 Heavy duty head style key see page 297C
 Striker options see page 297C

Notes

Electromechanical rotary latch available see page 20

Standard Head Styles



(WW = 00 Shown)

Standard Head Styles

00 Slotted recess	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	15 9 (.32) Triangle	19 Bellcore electronics	21 Recessed Slot	22 Railway standard

Part Number Selection

R4 - 15 - 10 - WW0 - XX

WW Actuation Style

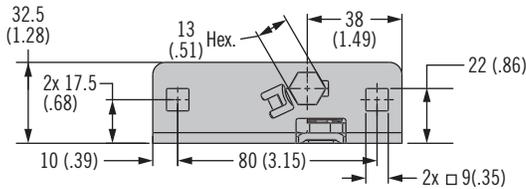
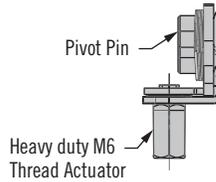
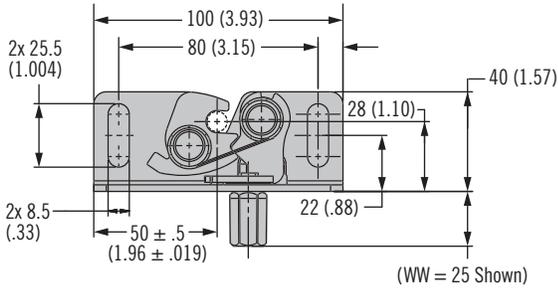
XX Latch finish
 10 Zinc plated
 15 Black zinc nickel plated

R4 Rotary Latch

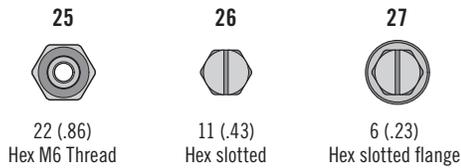
Medium-Duty - Tool / Key Actuated



Heavy Duty Head Styles



ww Heavy Duty Head Styles



- Tool or key operation
- High cycle life
- Meets tool access standard

Material and Finish

Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

Accessories

Standard head style keys

see page 121

Heavy duty head style key

see page 297C

Striker options see page 297C

Notes

Electromechanical rotary latch available see page 20

Part Number Selection

R4 - 15 - 10 - WW0 - XX

ww Actuation Style

xx Latch finish
 10 Zinc plated
 15 Black zinc nickel plated



R4 Rotary Latch

Medium-Duty - Tool / Key Actuated

- Tool or key operation
- High cycle life
- Meets tool access standard

Material and Finish

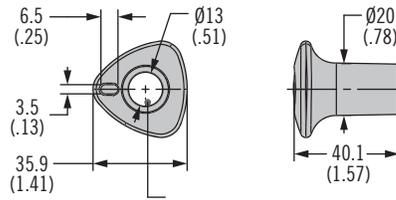
Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

Accessories

Standard head style keys
see page 121

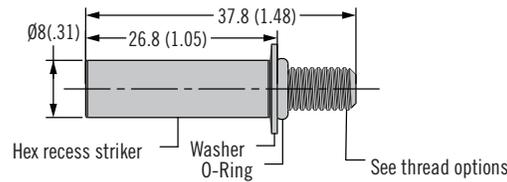
Notes

Electromechanical rotary latch
available see page 20



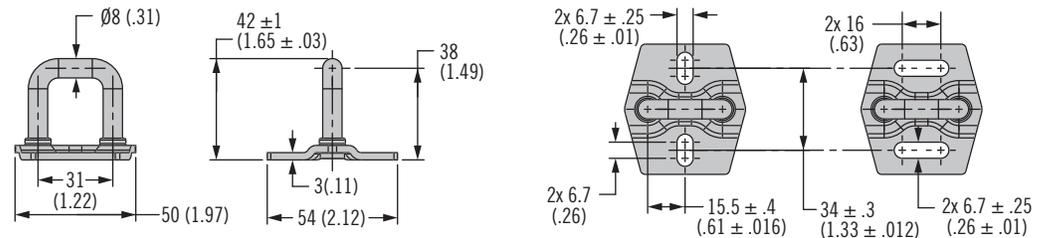
Key for Heavy Duty Head Styles		
Part Number	Material	Finish
R4-64-500-10	Zamak	Zinc plated
R4-64-500-15	Zamak	Black zinc nickel

Striker Bolt



Part Number	Thread	Material	Finish
R4-90-514-10	1/4-28 UNF	Steel	Zinc plated
R4-90-524-10	M6 x 1	Steel	Zinc plated
R4-90-514-15	1/4-28 UNF	Steel	Black zinc nickel
R4-90-524-15	M6 x 1	Steel	Black zinc nickel

Wire Form Strikers



Part Number	Description	Material	Finish
R4-90-1504-10	U-Striker assembly, Perpendicular mount	Steel	Zinc plated
R4-90-1504-15	U-Striker assembly, Perpendicular mount	Steel	Black zinc nickel
R4-90-1506-10	U-Striker assembly, Parallel mount	Steel	Zinc plated
R4-90-1506-15	U-Striker assembly, Parallel mount	Steel	Black zinc nickel

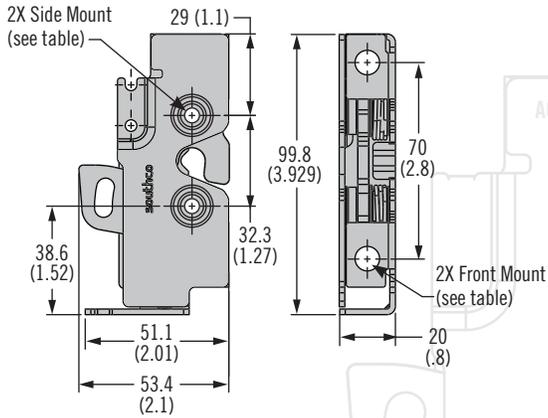
R4 Rotary Latch

Medium-Duty – Concealed

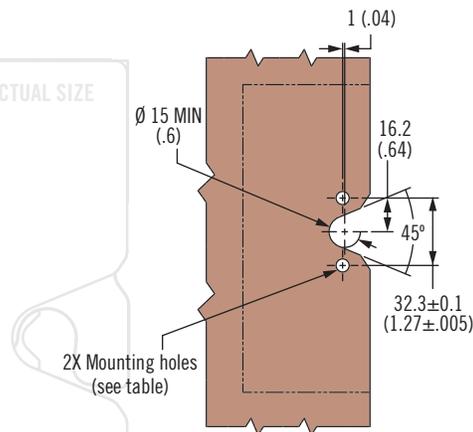


297D

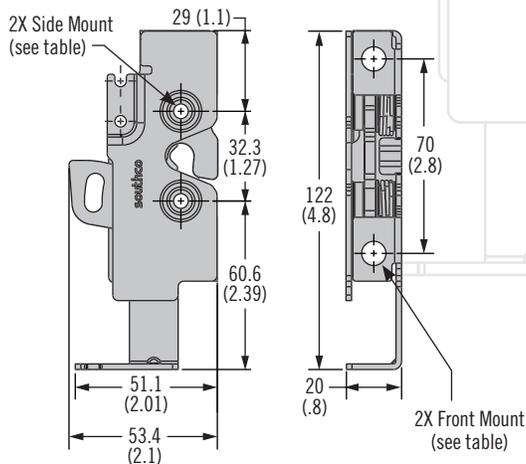
Latch with mount for cable without return assist spring



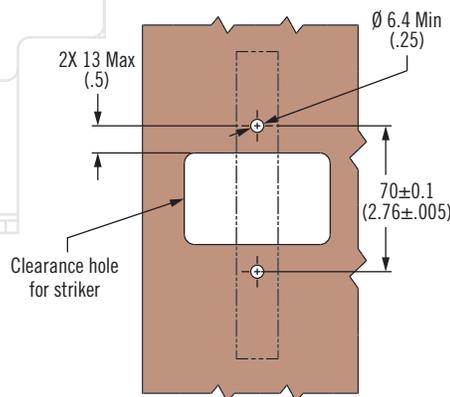
Panel preparation side mount



Latch with mount for cable with return assist spring



Panel preparation front mount



- Symmetrical design with cable mount simplifies installation
- Integrated bumper reduces noise and dampens vibration
- Front or side mount

Material and Finish

Steel, zinc plate or zinc nickel plate

Accessories

Strikers see page 297 for 9mm diameter (integrated bumper) solutions.

Cables and retainer clips see pages 322-323

Part Number Selection

R4 - 25 - 2 I 0 - 5 0 0 B - MM

I

Mounting Style

- 0 Side mount Ø6.7(.283) thru
- 1 Side mount 1/4-20 thread
- 2 Side mount M6 x 1 thread
- 3 Front mount (M6) with side mount Ø6.7(.283) thru

MM

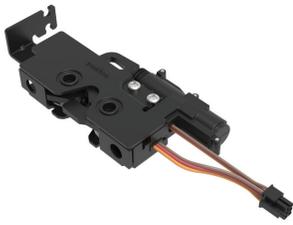
Material

- 10 Steel, zinc plated
- 15 Steel, black zinc nickel

B

Base Style

- 2 Mount for cable with return spring assist, no bumper
- 3 Mount for cable without return spring assist, no bumper
- 6 Mount for cable with return spring assist, with bumper
- 7 Mount for cable without return spring assist, with bumper



R4 Rotary Latch

Medium-Duty – Concealed – Electronic Operation and Door Sensing

- Symmetrical design with cable mount simplifies installation
- Integrated bumper reduces noise and dampens vibration
- Front or side mount
- Sensor verifies door closure
- Sealed (IP67) 12VDC actuator enables remote electrical operation
- Latch releases reliably under high load

Material and Finish

Steel, zinc plate or zinc nickel plate

Electronic specifications:

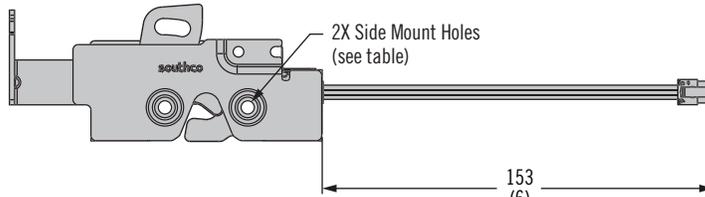
Operating voltage 12 VDC nominal
 Operating current < 300mA
 Temperature -40 to 80°C
 Sealed (IP67 / Class 1 Division 2)

Accessories

Strikers see page 297 for 9mm diameter (integrated bumper) solutions
 Cables and retainer clips see pages 322-323

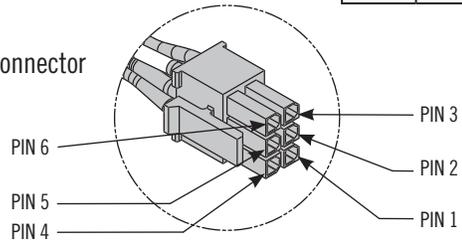
Latch with door sensor

(with mount for cable with return assist spring shown)



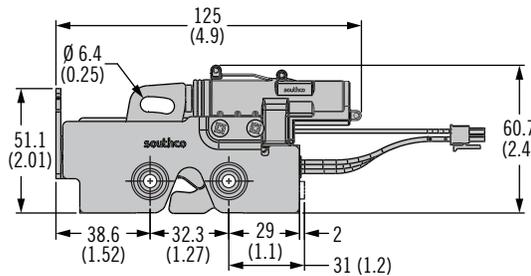
Switch Pin Out	
Pin	Function
1	No connect
2	No connect
3	No connect
4	Switch common
5	Door secure
6	Door open

Molex Micro-Fit 3.0 connector



Latch with door sensor and sealed electronic actuator

(with mount for cable without return assist spring shown)



Switch with Actuator Pin Out	
Pin	Function
1	Ground
2	Power release
3	Power relock
4	Switch common
5	Door secure
6	Door open

Enable wireless operation with Southco's **BLUETOOTH®** Controller



Part Number Selection

R4 - 25 - 2 I S - 5 1 E B - MM

- I** Mounting Style
 - 0 Side mount $\varnothing 6.7(.283)$ thru
 - 1 Side mount 1/4-20 thread
 - 2 Side mount M6 x 1 thread
 - 3 Front mount (M6) with side mount $\varnothing 6.7(.283)$ thru
- S** Latch Release Options
 - 0 Kick-out spring
 - 1 Pull-to-open
- E** Electronic Actuation Options
 - 0 None (latch with switch only)
 - B 12VDC sealed (latch with switch and electronic actuator)
 - 6 5VDC sealed (latch with switch and electronic actuator)
- B** Base Style
 - 2 Mount for cable with return spring assist, no bumper
 - 3 Mount for cable without return spring assist, no bumper
 - 6 Mount for cable with return spring assist, with bumper
 - 7 Mount for cable without return spring assist, with bumper
- MM** Material
 - 10 Steel, zinc plated
 - 15 Steel, black zinc nickel



R4 Rotary Latch

Medium-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- Hand actuation option
- EN 45545-3 E60 Compliant

Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

Accessories

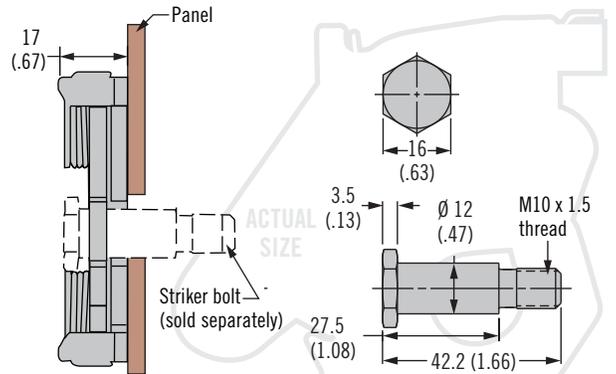
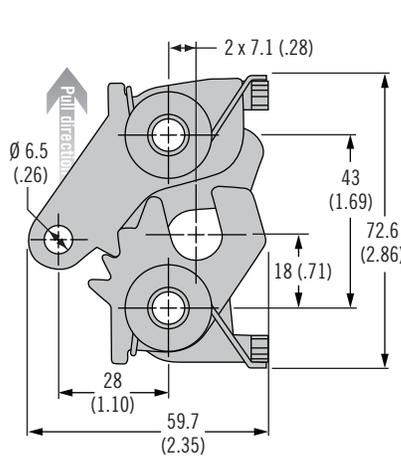
Cables and retainer clips see pages 322-323

Notes

Electromechanical rotary latch available see page 20

For panel preparation visit www.southco.com/R4

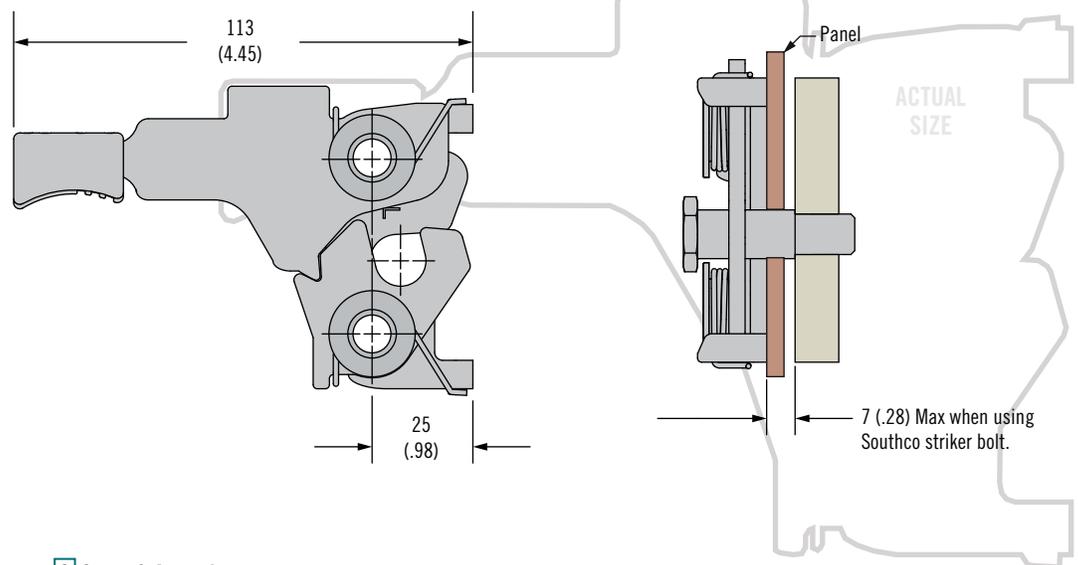
Remote Actuation (left hand, two stage version shown)



Striker Bolt (sold separately)

Striker Bolt Part Numbers	
Part Number	Material
R4-91-231-10	Steel
R4-91-231-20	Stainless Steel

Hand Actuation (left hand, single stage version shown)



Part Number

See table

Order latch and striker separately

S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

I Mounting Style

- 0 \varnothing 8.3 (.327) thru
- 1 5/16-18 thread
- 2 M8 x 1.25 thread

R4 - 20 - S I - L 01 - M

L Lever Type

- 4 Hand actuation (steel only)
- 5 Bottom

M Material

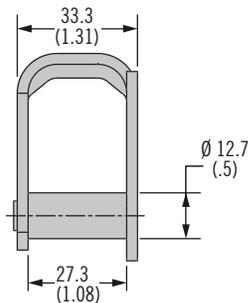
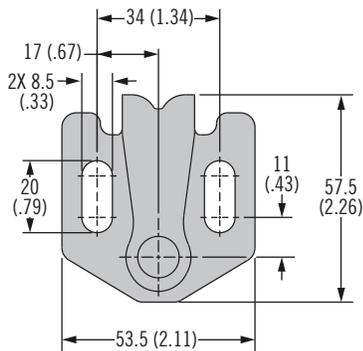
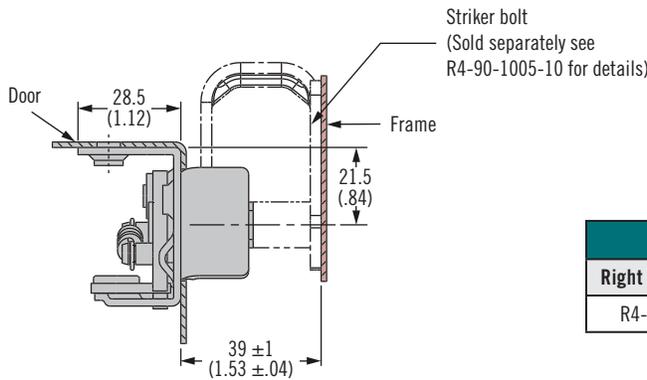
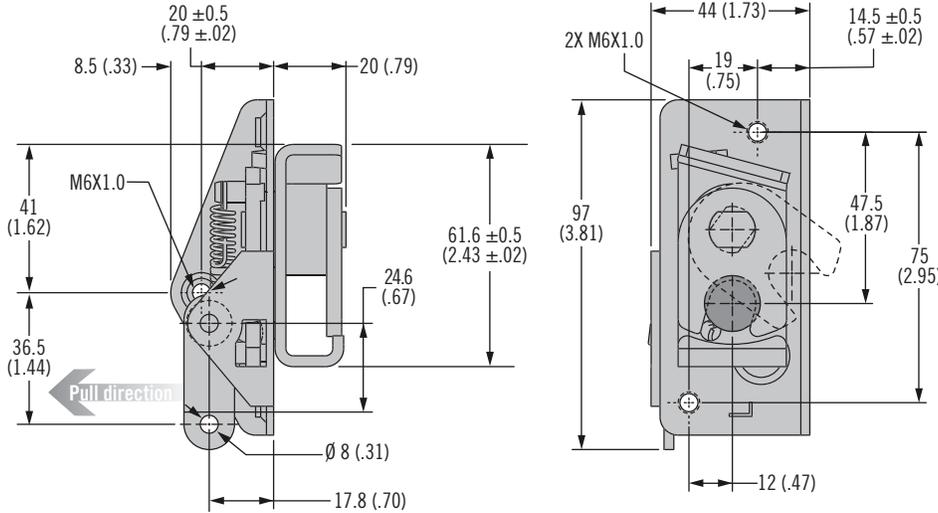
- 10 Steel
- 20 Stainless steel

R4 Rotary Latch

Medium · Concealed · Debris Resistant · Two stage



Two Stage (Left hand actuation shown)



Part Number	
Right Hand Actuation	Left Hand Actuation
R4-75-32-201-10	R4-72-42-201-10

Protected Striker	
Part Number	Material
R4-90-1005-10	Steel

- Compatible with a wide array of actuators
- Debris resistant concealed mounting
- Two stage latching



Material and Finish

Steel, zinc plated

Accessories

Retainer clip AC-9BX-20-34 see page 323

Notes

Electromechanical rotary latch available see page 20



Part Number

See table

Order latch and striker separately



R4 Rotary Latch

Heavy-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- FMVSS 206 capable options
- EN 45545-3 E60 compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated
 Steel, zinc nickel plated (black and clear)
 Stainless steel, passivated

Accessories

Cables and retainer clips see pages 322-323

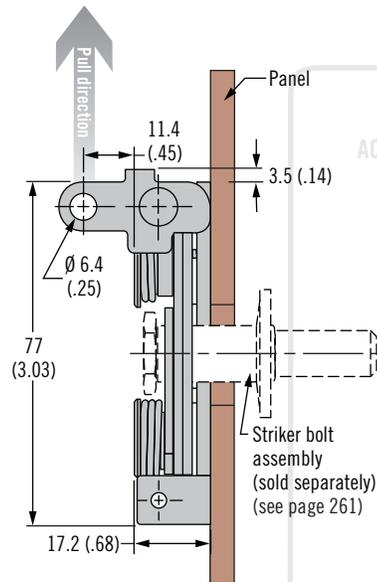
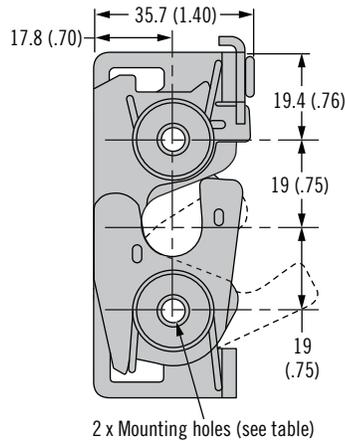
Striker options see page 301

Notes

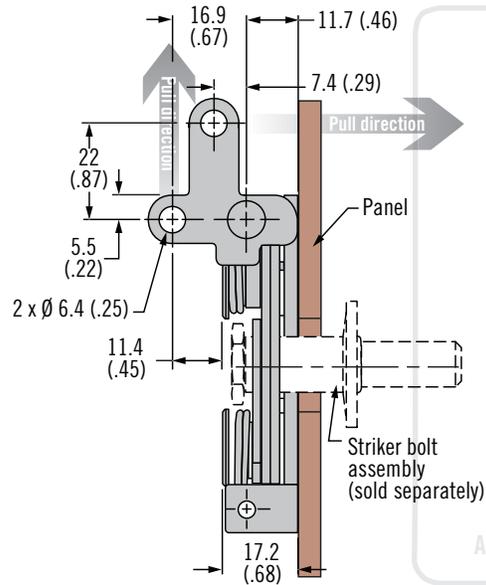
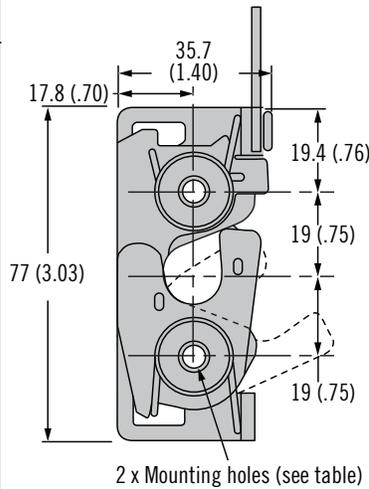
R4-38-101-10 support plate sold separately for FMVSS 206 capability
 Mounts opposite of latch housing.



Perpendicular (left hand actuation shown)



2-Point Actuator (left hand actuation shown)



Part Number Selection

R4 - 30 - S I - L O B - M

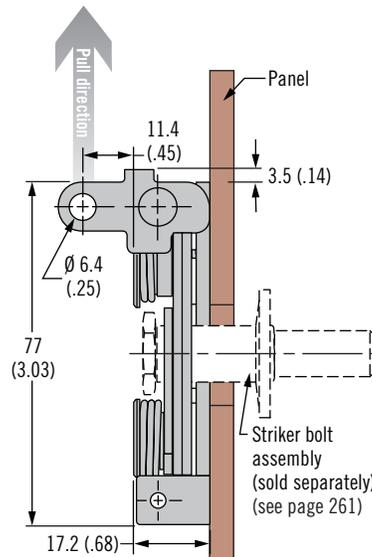
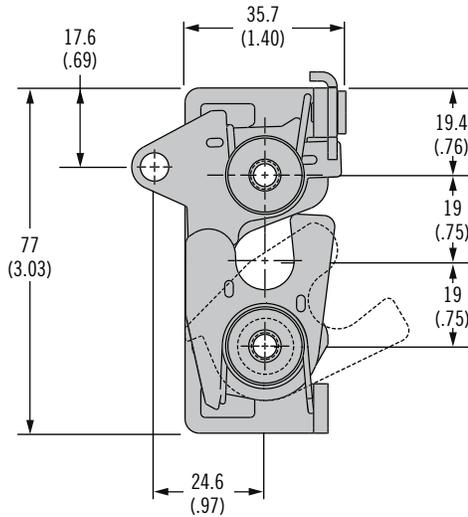
<p>S Stage & Actuation</p> <ul style="list-style-type: none"> 1 Single stage, right hand 2 Single stage, left hand 3 Two stage, right hand 4 Two stage, left hand 	<p>I Mounting Style</p> <ul style="list-style-type: none"> 0 Ø6.7 (.283) thru 1 1/4-20 thread 2 M6 x 1 thread 	<p>1 Base Style</p> <ul style="list-style-type: none"> 1 Standard 5 Integrated bumper 	<p>L Lever Type</p> <ul style="list-style-type: none"> 1 Perpendicular 3 Two point 7 Dual Lever, Bottom & Perpendicular 	<p>M Material</p> <ul style="list-style-type: none"> 10 Steel, zinc plated 15 Steel, black zinc nickel 77 Steel, clear zinc nickel 20 Stainless steel
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R4 Rotary Latch

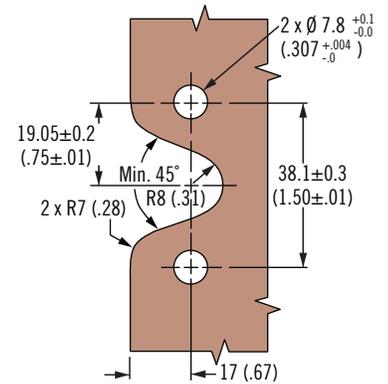
Heavy-Duty · Concealed · Single and Two stage



Dual Trigger (left hand actuation shown)



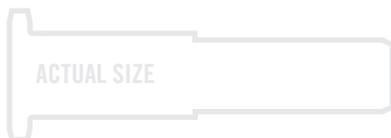
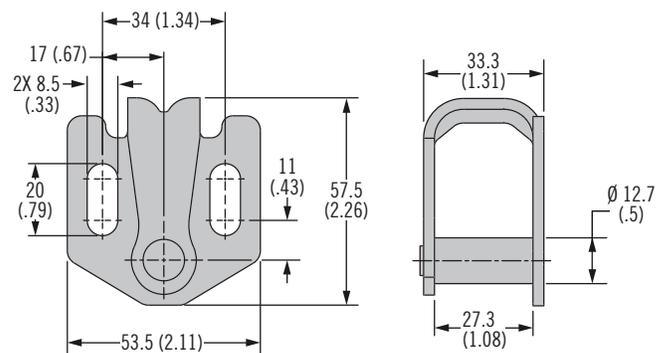
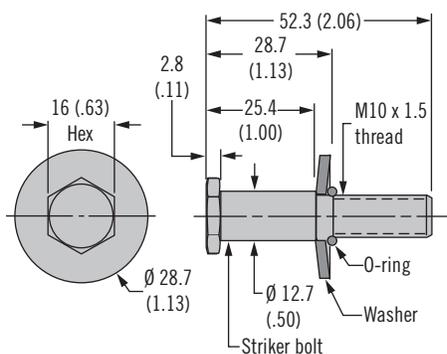
Panel Preparation



Strikers (sold separately)

Striker Bolt Part Number	
Part Number	Material
R4-90-321-10	Steel
R4-90-321-20	Stainless Steel

Protected Striker	
Part Number	Material
R4-90-1005-10	Steel
*Not FMVSS 206 Capable	





R4 Rotary Latch

Heavy-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- FMVSS 206 capable options
- EN 45545-3 E60 compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

Material and Finish

Steel, zinc plated
Steel, zinc nickel plated (black and clear)
Stainless steel, passivated

Accessories

Cables and retainer clips see pages 322-323

Striker options see page 301

Notes

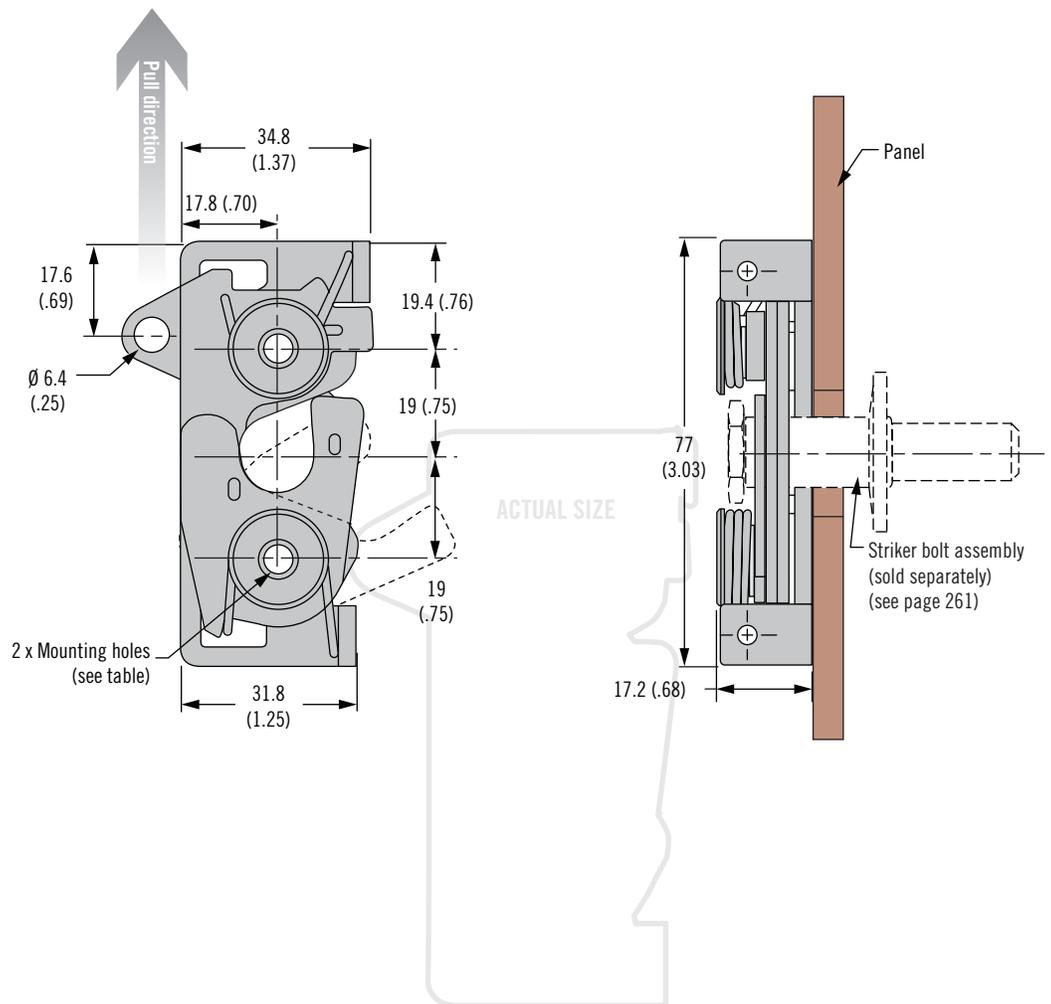
R4-38-101-10 support plate sold separately for FMVSS 206 capability
Mounts opposite of latch housing.



Part Number Selection

Bottom

(left hand actuation shown)



S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

I Mounting Style

- 0 $\varnothing 6.7$ (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

R4 - 30 - **S** **I** - 50 **B** - **M**

1 Base Style

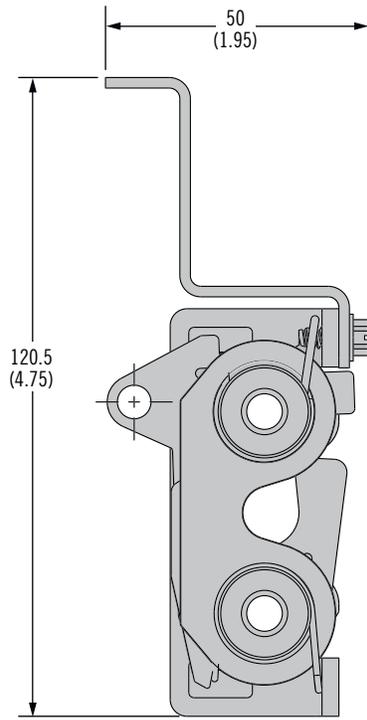
- 1 Standard
- 2 Standard with cable bracket for spring
- 3 Standard with cable bracket no spring
- 5 Integrated bumper
- 6 Integrated bumper with cable bracket for spring
- 7 Integrated bumper with cable bracket no spring

M Material

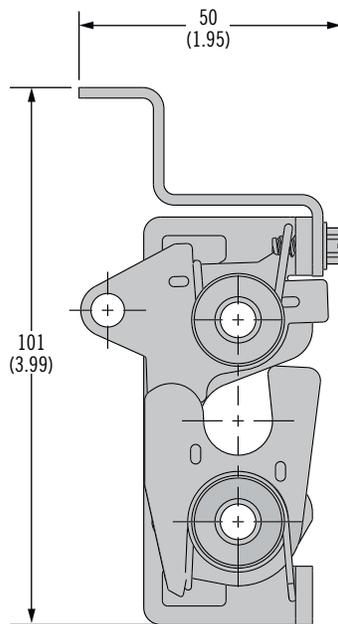
- 10 Steel, zinc plated
- 15 Steel, black zinc nickel plated
- 77 Steel, clear zinc nickel
- 20 Stainless steel

Bottom with cable bracket

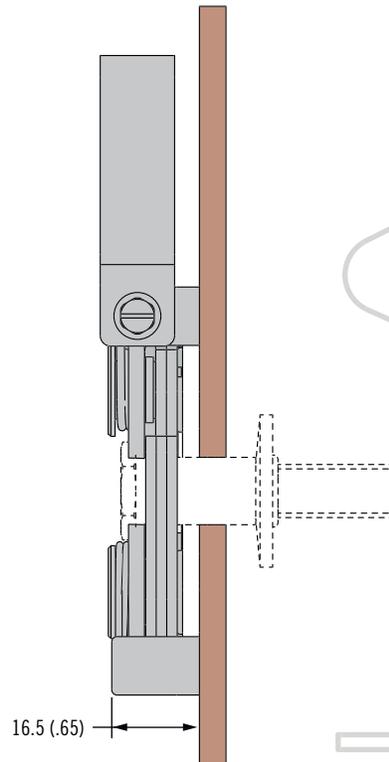
(left hand actuation shown)



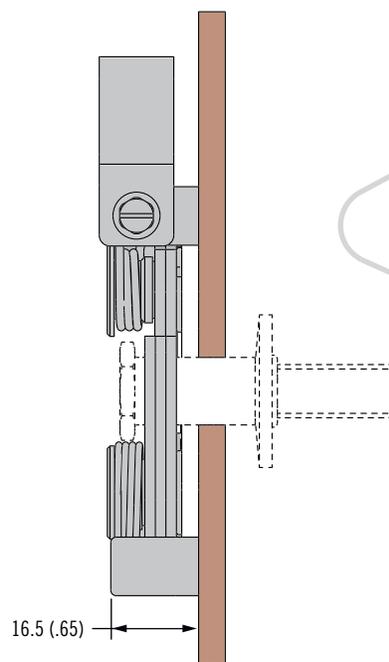
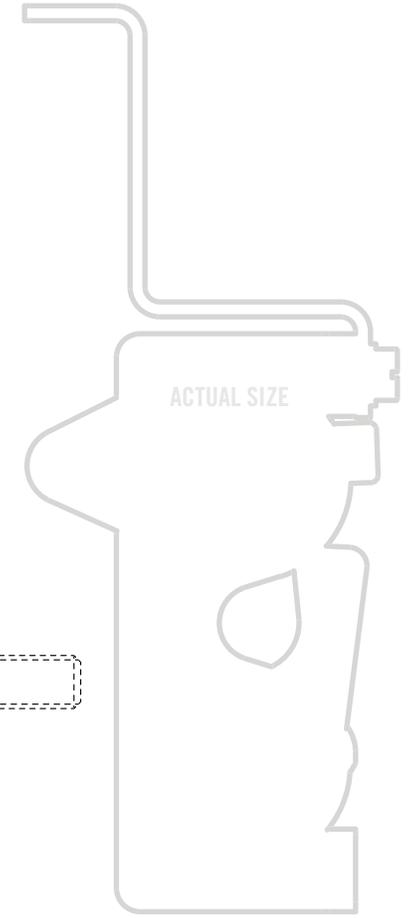
(with bumper shown)



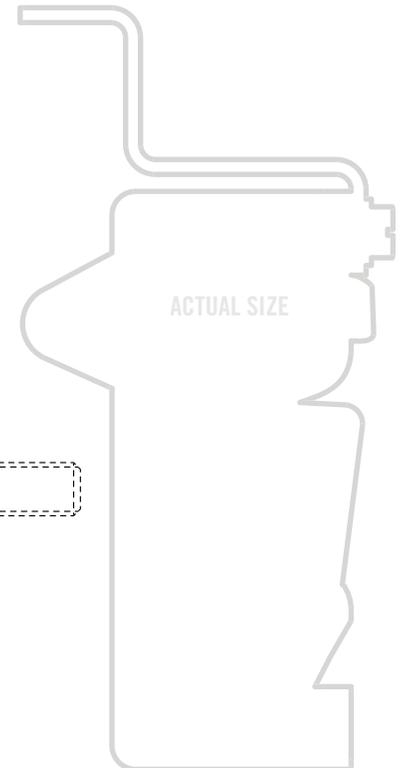
(without bumper shown)



16.5 (.65)



16.5 (.65)





R4 Rotary Latch

Heavy-duty · Two stage

- Single or multi-point latch capability
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

Material and Finish

Steel, zinc plated

Accessories

Cables and retainer clips see pages 322-323

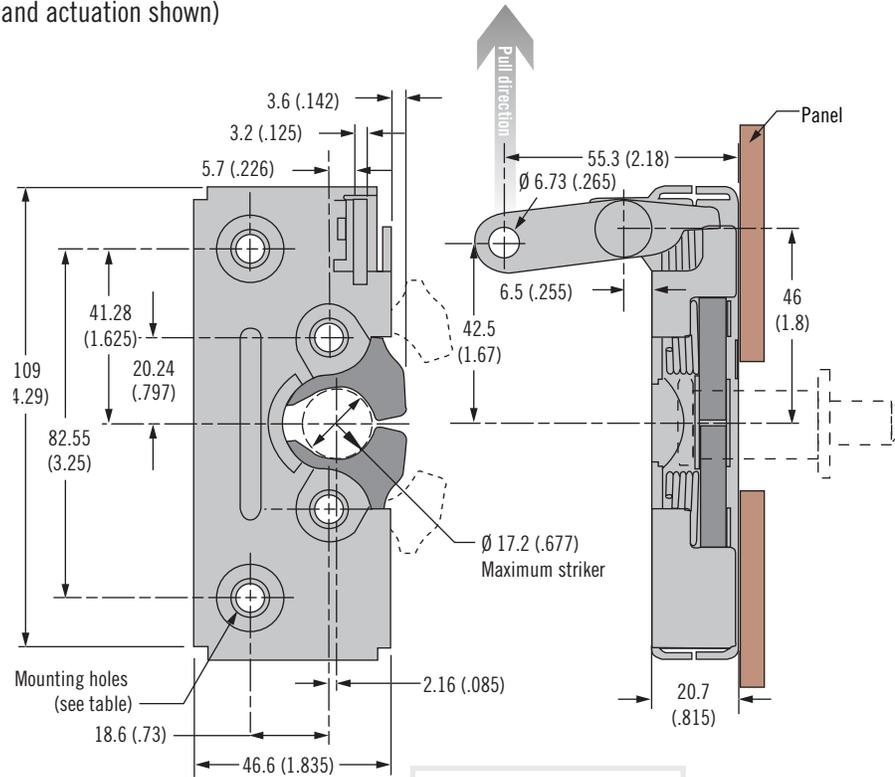
Notes

Electromechanical rotary latches available see page 20

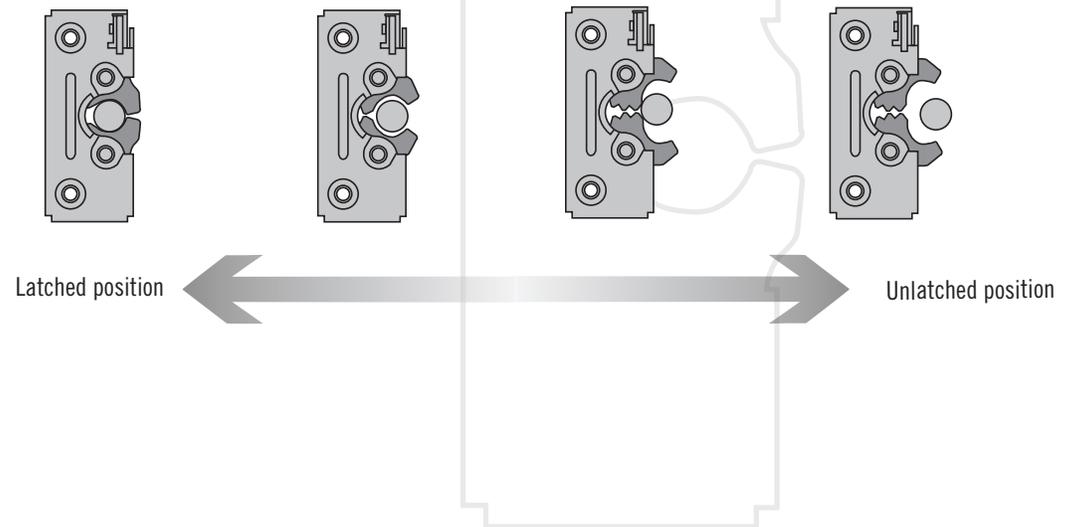
For panel preparation visit www.southco.com/R4

Striker Bolt Assembly (sold separately): R4-90-441-10

Single Trigger, Perpendicular Actuation (left hand actuation shown)



Operation





Part Number Selection

R4 - 50 - **S** **I** - 101 - 10

S Stage & Actuation

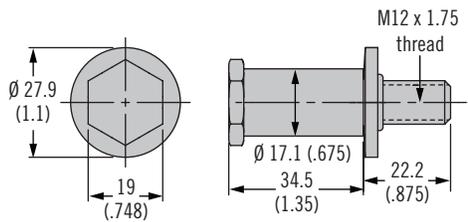
- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

I Mounting Style

- 0 7.2mm thru hole
- 1 1/4-20 thread
- 2 M6 thread

Striker Bolt Assembly (sold separately)

R4-90-441-10 Steel, Zinc Plated





R4 Rotary Latch

Heavy-Duty – Concealed – Electronic Operation and Door Sensing

- High strength door retention (FMVSS 206)
- Sensor verifies door closure
- Exceptional cycle life
- Quick release
- Sealed actuator
- Releases reliably under high load

Material and Finish

Latch: steel, zinc plate or zinc nickel plate
 Actuator: PC/ABS, acetal, silicone, buna seals

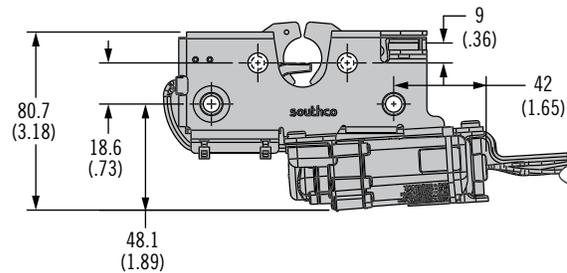
Electronic specifications:

Operating voltage 12 VDC nominal
 Operating current < 600mA
 Temperature -40 to 80°C
 Sealed (IP65)

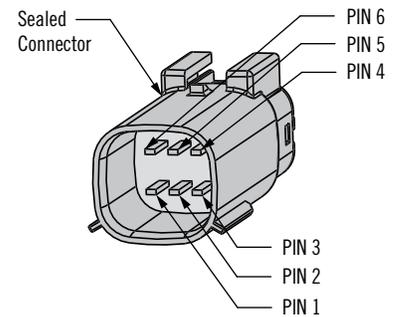
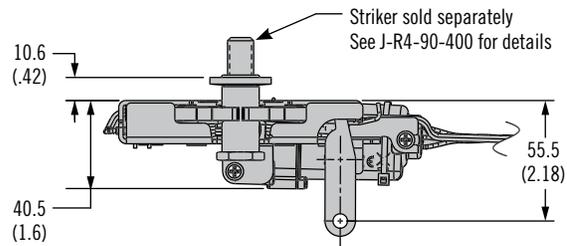
Accessories

Striker Bolt Assembly (sold separately) R4-90-441-10
 Cables and retainer clips see pages 322-323

Latch with door sensor, 12V sealed electronic actuator (right hand actuation shown)

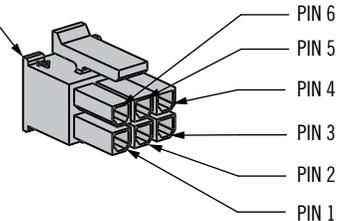


Connector options (See below)



Connector Pinout		
Pin	Wire Color	Function
1	Brown	Ground
2	Red	Power release
3	Orange	Power relock
4	Black	Switch common
5	Blue	Door secure
6	Grey	Door open

Non-Sealed Connector



Enable wireless operation with Southco's **BLUETOOTH®** Controller

Part Number Selection

R4 - 50 - S I - 1 E 1 - 10

- I** Stage & Actuation
- 3 Two stage right hand
 - 4 Two stage left hand

- I** Mounting Style
- 0 7.2 mm thru hole
 - 1 1/4-20 threaded
 - 2 M6 threaded

- E** Electronics
- EA With switch and actuator, non-sealed connector
 - EB With switch and actuator, stripped & tinned wires
 - EC With switch and actuator, sealed connector

R4 Rotary Latch

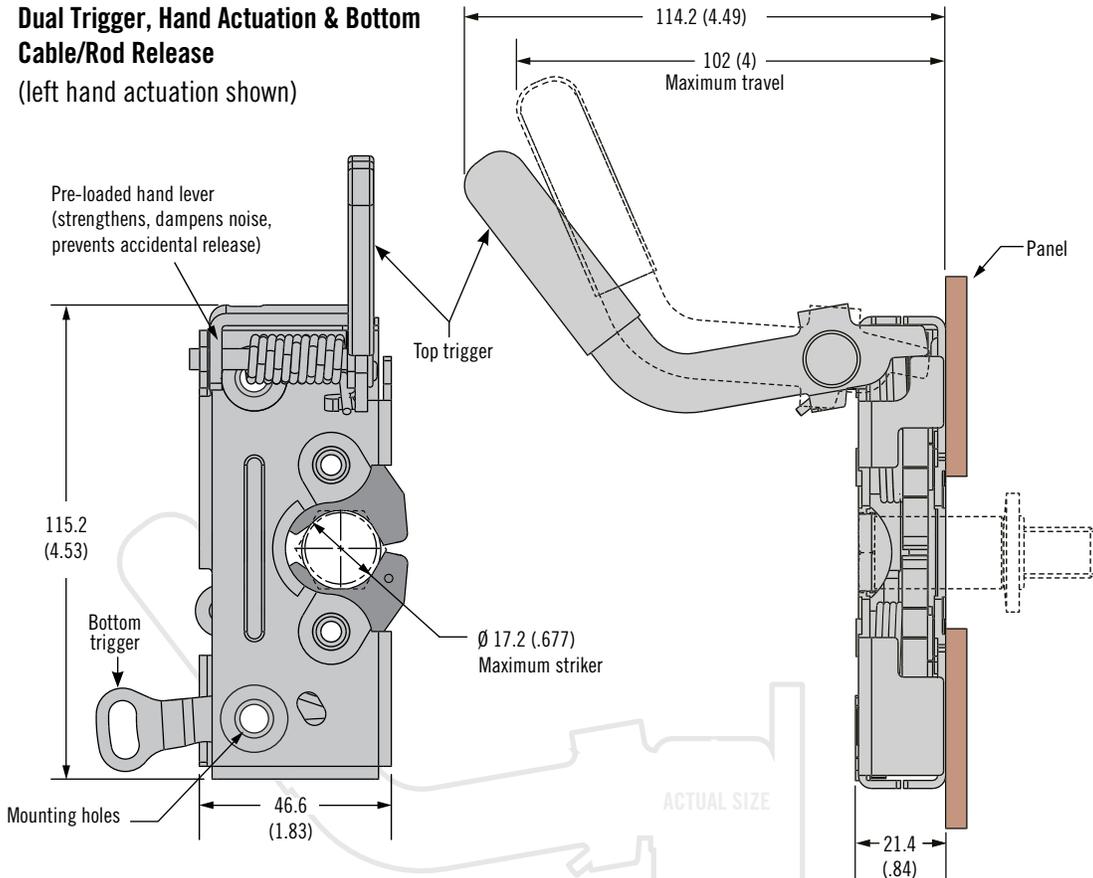
Heavy-duty · Two stage · Dual trigger



305B

Dual Trigger, Hand Actuation & Bottom Cable/Rod Release

(left hand actuation shown)



- Independent interior and exterior actuation
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

Material and Finish

Steel, zinc plated

Accessories

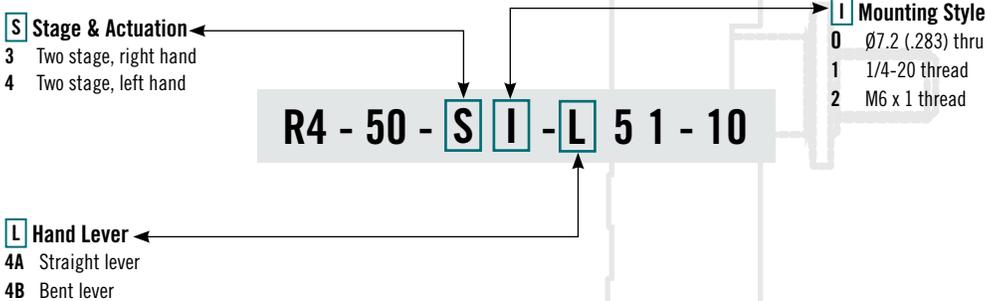
Cables and retainer clips
see pages 322-323

For panel preparation visit
www.southco.com/R4

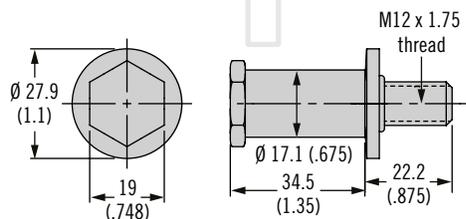
Striker Bolt Assembly
(sold separately): R4-90-441-10

Additional top triggers available
see page 305C

Part Number Selection



Striker Bolt Assembly (sold separately)	
Part Number	Material
R4-90-441-10	Steel, Zinc Plated





R4 Rotary Latch

Heavy-duty · Two stage · Dual trigger

- Independent interior and exterior actuation
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

Material and Finish

Steel, zinc plated

Accessories

Cables and retainer clips see pages 322-323

For panel preparation visit www.southco.com/R4

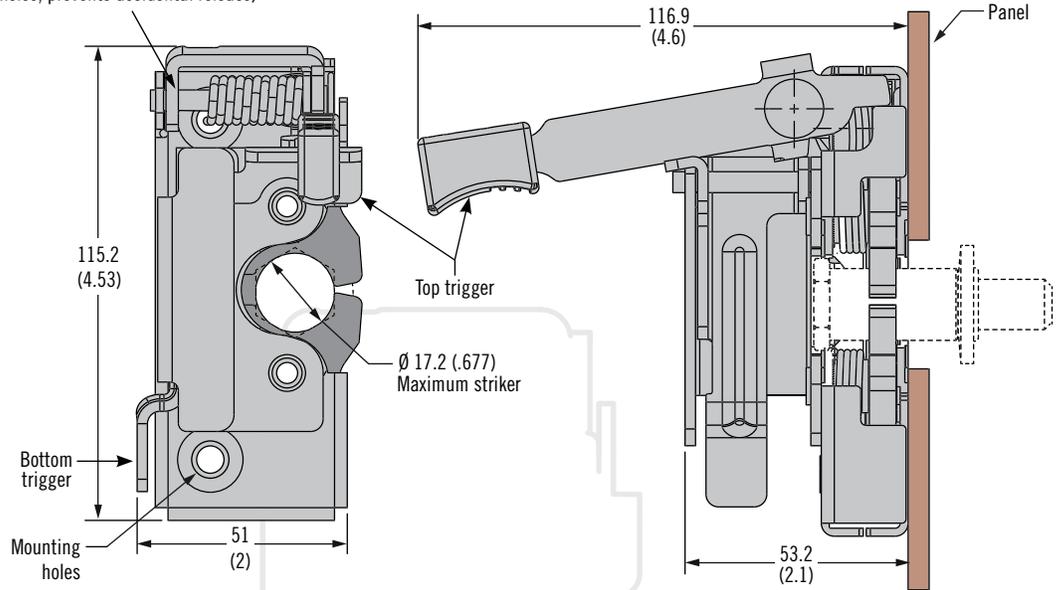
Striker Bolt Assembly (sold separately): R4-90-441-10

Additional top triggers available see page 305C

Dual Trigger, Hand Actuation & Bottom Push Release

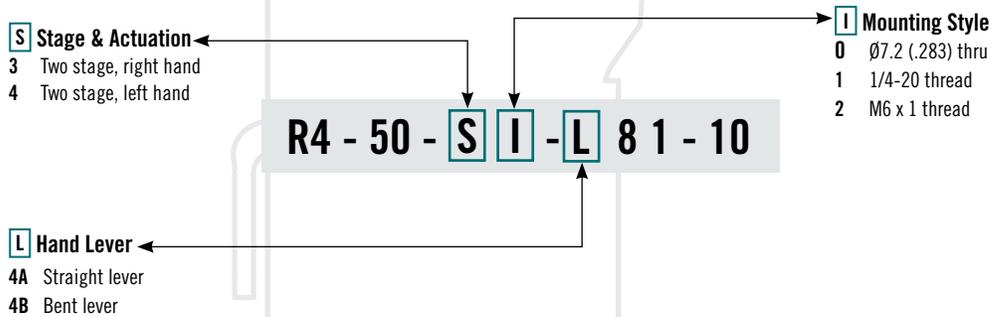
(left hand actuation shown)

Pre-loaded hand lever (strengthens, dampens noise, prevents accidental release)

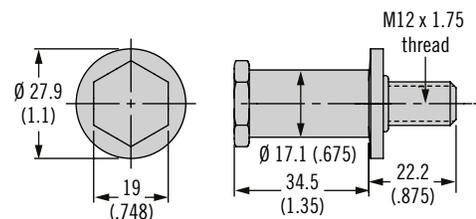


ACTUAL SIZE

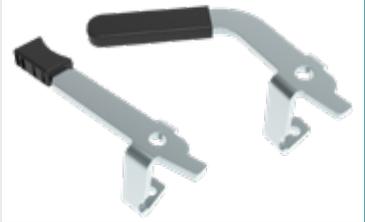
Part Number Selection



Striker Bolt Assembly (sold separately)	
Part Number	Material
R4-90-441-10	Steel, Zinc Plated



R4 Rotary Latch Top Trigger Options

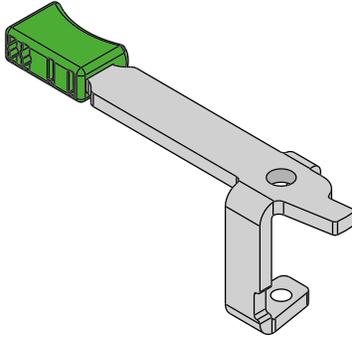


305D

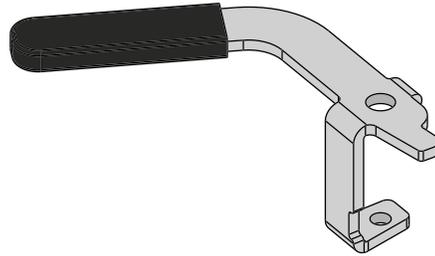
Top levers for hand-actuated R4-50 dual trigger latches

Hand Lever

Straight Lever (4A)



Bent Lever (4B)



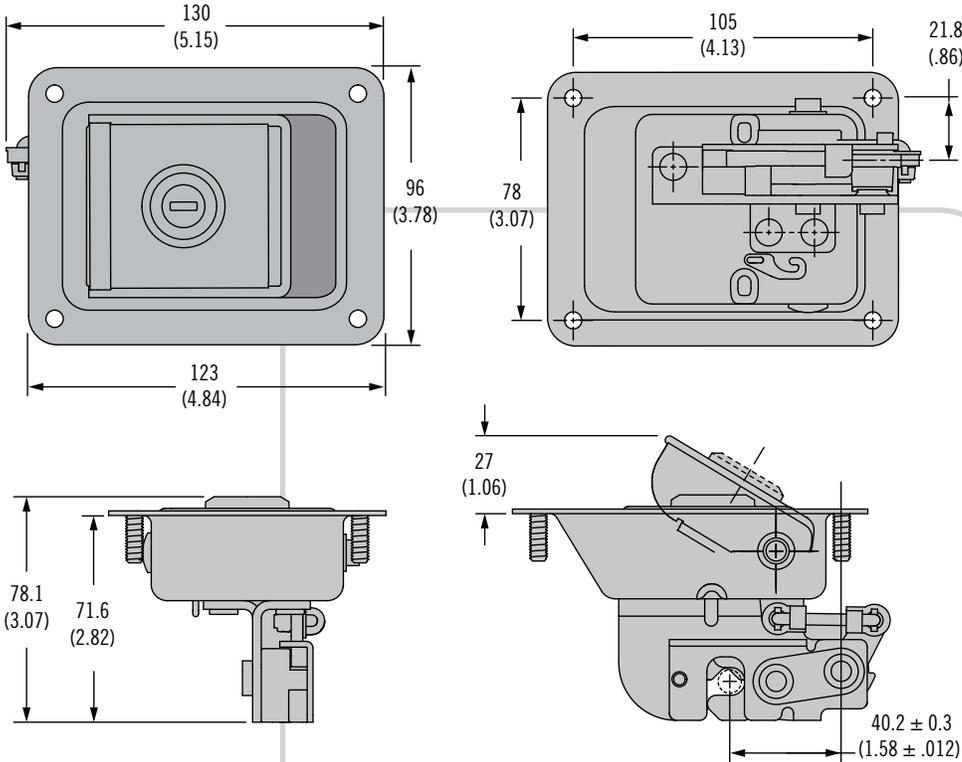
Notes

For use with R4-50 Heavy Duty Two Stage Dual Trigger Latches only

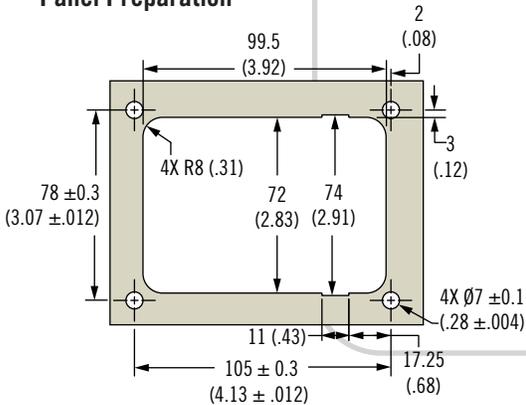


R4-82 Rotary Paddle Latch

Pull-to-open



Panel Preparation



ACTUAL SIZE

- Direct actuation, no cable or rod required
- Single or two stage latching
- Integrated bumper
- Thru hole or stud mounting options

Material and Finish

Cup and handle: Steel, zinc plated or black powder coat

Lock slide, latch frame, pawl, trigger: Steel, zinc plated

Installation Notes

Thru hole: M5 or #8 screws recommended

Studs: Use M6 mounting nuts (max tightening torque 7 N·m (62 in·lbf))

Studs: Max panel thickness 10 (.39)

Accessories

Striker bolt see page 297

Notes

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

Part Number Selection

See table

