R4 Rotary Latch
Micro · 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 plated or 304 stainless steel, passivated

Performance Details
Average ultimate load: 2600 N (590 lbf)

Installation Notes
See page 259

Accessories
Cables and retainer clips see pages 272-275

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

<table>
<thead>
<tr>
<th>Stage &amp; Actuation</th>
<th>Part Number</th>
<th>Lever Type</th>
<th>Mounting Style</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-05-SI-L05-M</td>
<td></td>
<td>4</td>
<td>1</td>
<td>10</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Mini · Concealed · Single and two stage

- Single or multi-point latch capability
- 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

Performance Details
Average ultimate load: 3600 N (800 lbf)

Installation Notes
See page 259

Accessories
Striker bolts for standard version and integrated bumper version are different. See page 259 for both versions.

Cables and retainer clips
see pages 272-275

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Mini · Concealed · Single and two stage

- Single or multi-point latch capability
- 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

Performance Details
Average ultimate load: 3600 N (800 lbf)

Installation Notes
See page 259

Accessories
Striker bolts for standard version and integrated bumper version are different. See page 259 for both versions.

Cables and retainer clips see page 272-275

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

5 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
3 Two point
4 Hand actuation

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

Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Mini · Concealed · Single and two stage

- Single or multi-point latch capability
- 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

Performance Details
Average ultimate load: 3600 N (800 lbf)

Installation Notes
See page 259

Accessories
Striker bolts for standard version and integrated bumper version are different. See page 259 for both versions.

Cables and retainer clips see pages 272-275

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

<table>
<thead>
<tr>
<th>Stage &amp; Actuation</th>
<th>Lever Type</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Single stage, right hand</td>
<td>5 Bottom</td>
<td>10 Steel</td>
</tr>
<tr>
<td>2 Single stage, left hand</td>
<td>6 Top</td>
<td>20 Stainless steel</td>
</tr>
<tr>
<td>3 Two stage, right hand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Two stage, left hand</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Mini · Concealed · Dual Trigger · Single and two stage

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

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

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

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

- Single or multi-point latch capability
- 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

Performance Details
Average ultimate load: 3600 N (800 lbf)

Installation Notes
See page 259

Accessories
Striker bolts for standard version and integrated bumper version are different. See page 259 for both versions.

Cables and retainer clips see page 272-275
Trigger - use retaining clip R4-43922-2
Lever - use retaining clip R4-43922

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

Stage & Actuation
1 Single stage, right hand
2 Single stage, left hand
3 Two stage, right hand
4 Two stage, left hand

Lever Type
7 Dual Trigger, Bottom
8 Dual Trigger, Top

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

Base Style
1 Standard
5 Integrated bumper version

Material
10 Steel

Dimensions in millimeters (inch) unless otherwise stated
**R4 Rotary Latch**  
Mini · Concealed · 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

**Performance Details**
Average ultimate load: 3600 N (800 lbf)

**Installation Notes**
See page 259

**Accessories**
Striker bolts for standard version and integrated bumper version are different. See page 259 for both versions.

**Notes**
Electromechanical rotary latch available see page 23

---

**Part Number Selection**

<table>
<thead>
<tr>
<th>Base Style</th>
<th>Stage &amp; Actuation</th>
<th>Mounting Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

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

**Single Stage - Top**
(left hand actuation shown)

- Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Integrated Cable Mounting Bracket · Stainless Steel
Mini · Concealed · Single stage

Dimensions in millimeters (inch) unless otherwise stated
Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/R4

R4 - 10 - S I - 5 0 B - M

Stage & Actuation
1 Single stage, right hand
2 Single stage, left hand
3 Two stage, right hand
4 Two stage, left hand

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

Base Style
1 Standard
2 Integrated bumper version

Material
10 Steel
20 Stainless steel

Striker Bolt Assembly - Standard
(sold separately)

Striker Bolt Assembly - Integrated Bumper
(sold separately)

Striker Bolt Part Number - Standard

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-90-121-10</td>
<td>Steel</td>
</tr>
<tr>
<td>R4-90-121-20</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Striker Bolt Part Number - Integrated Bumper Version

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-90-124-10</td>
<td>Steel</td>
</tr>
<tr>
<td>R4-90-124-20</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Striker 90° Mounting Bracket Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-0-50114</td>
</tr>
</tbody>
</table>

Material and Finish
Steel, zinc plated or stainless steel

Performance Details
Average ultimate load: 3600 N (800 lbf)

Accessories
Striker bolt
Cables and retainer clips

Other options available. For complete details on variety, part numbers, installation and specification, go to www.southco.com/R4
R4 Rotary Latch
Large · Concealed · Two stage

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

Material and Finish
Steel, zinc plated or stainless steel

Performance Details
Average ultimate load:
10675 N (2400 lbf) as shown
14230 N (3200 lbf) with support bracket. Contact Southco for more information

Installation Notes
See page 261

Accessories
Striker bolt see page 261
Cables and retainer clips see pages 272-275

Notes
Electromechanical rotary latch available see page 23

Part Number Selection

<table>
<thead>
<tr>
<th>5</th>
<th>Stage &amp; Actuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Two stage, right hand</td>
</tr>
<tr>
<td>4</td>
<td>Two stage, left hand</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1</th>
<th>Mounting Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Ø6.7 (.283) thru</td>
</tr>
<tr>
<td>1</td>
<td>1/4-20 thread</td>
</tr>
<tr>
<td>2</td>
<td>M6 x 1 thread</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L</th>
<th>Lever Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Perpendicular</td>
</tr>
<tr>
<td>3</td>
<td>Two point</td>
</tr>
<tr>
<td>5</td>
<td>Bottom</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Steel</td>
</tr>
<tr>
<td>20</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

Two Stage - Perpendicular (left hand actuation shown)

Two Stage - Bottom (left hand actuation shown)

Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Large · Concealed · Two stage

2-Point Actuator (left hand actuation shown)

Striker Bolt Assembly (sold separately)

Striker Bolt Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-90-321-10</td>
<td>Steel</td>
</tr>
<tr>
<td>R4-90-321-20</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
R4 Rotary Latch
Medium · Concealed · Single and two stage

• Single or multi-point latch capability
• 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 272-275

Notes
Electromechanical rotary latch available see page 23
For panel preparation visit
www.southco.com/R4

Part Number
See table
Order latch and striker separately

Remote Actuation (left hand, two stage version shown)

Striker Bolt (sold separately)

Hand Actuation (left hand, single stage version shown)

Striker Bolt Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4-91-231-10</td>
<td>Steel</td>
</tr>
<tr>
<td>R4-91-231-20</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch) unless otherwise stated
**R4 Rotary Latch**  
Heavy-duty · Two stage

### Two Stage (left hand actuation shown)

- Dimensions in millimeters (inch) unless otherwise stated

### Striker Bolt Assembly (sold separately)

- Material and Finish
  - Steel, zinc plated

### Accessories
- Cables and retainer clips  
  - See pages 272-275

### Notes
- Electromechanical rotary latch available see page 23  
- For panel preparation visit www.southco.com/R4

### Operation

- Latched position  
- Unlatched position

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Left Hand Actuation</strong></td>
<td><strong>Right Hand Actuation</strong></td>
</tr>
<tr>
<td>Ø 7.2 (283) Thru</td>
<td>R4-50-40-101-10</td>
</tr>
<tr>
<td>1/4-20 Thread</td>
<td>R4-50-41-101-10</td>
</tr>
<tr>
<td>M6 X 1 Thread</td>
<td>R4-50-42-101-10</td>
</tr>
</tbody>
</table>

### Part Number

- See table
- Order latch and striker bolt separately

---

**www.southco.com/R4**
**R4-81 Rotary Paddle Latch**

**Pull-to-open**

- Rear mount installation
- Direct actuation, no cable or rod required
- Single or two stage latching
- Integrated bumper option
- Environmentally sealed

**Material and Finish**
Housing: Glass-filled nylon, black
Paddle: Zinc alloy, black powder coated or chrome plated

**Installation Notes**
Maximum tightening torque on supplied mounting nuts 3 Nm

**Accessories**
Striker bolt see page 259

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

**Panel Preparation**

<table>
<thead>
<tr>
<th>4X Ø 5.2 ± 0.1</th>
<th>95.2</th>
<th>12.62</th>
<th>18.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.9</td>
<td>6.4</td>
<td>93.7</td>
<td></td>
</tr>
<tr>
<td>131.7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Maximum Door Thickness - 8mm

**Part Number**
See table

**Stage & Bumper**
5 Stage & Bumper
2 Single Stage
4 Two Stage
6 Single Stage with Integrated Bumper
8 Two Stage with Integrated Bumper

**Locking Options**
L Locking Options
1 Reversible Key (No Keys - R001)
2 Reversible Key (2 Keys included - R001)
3 Reversible Key (2 keys included - Keyed differently)
4 Standard Key (No keys - CH751)
5 Standard Key (2 keys included - CH751)
6 Standard Key (2 keys included - Keyed differently)
9 No Lock Plug installed (See notes for more information)

**PP Paddle Finish**
30 Chrome, polished
50 Black powder coated

**KC Key Codes**
(KKC) Key Codes
(Omit for Locking Options 1, 2, 4, 5 and 9)
*KD10 Keyed Differently (Only used if L = 3 or 6)
*MK10 Master Keyed Differently (Only used if L = 6)

*Supplied in multiples of 10 with 10 different key codes.

Dimensions in millimetres unless otherwise stated.

www.southco.com/R4
R4-82 Rotary Paddle Latch
Pull-to-open

- 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 259

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

Part Number Selection
See table

Dimensions in millimeters (inch) unless otherwise stated