
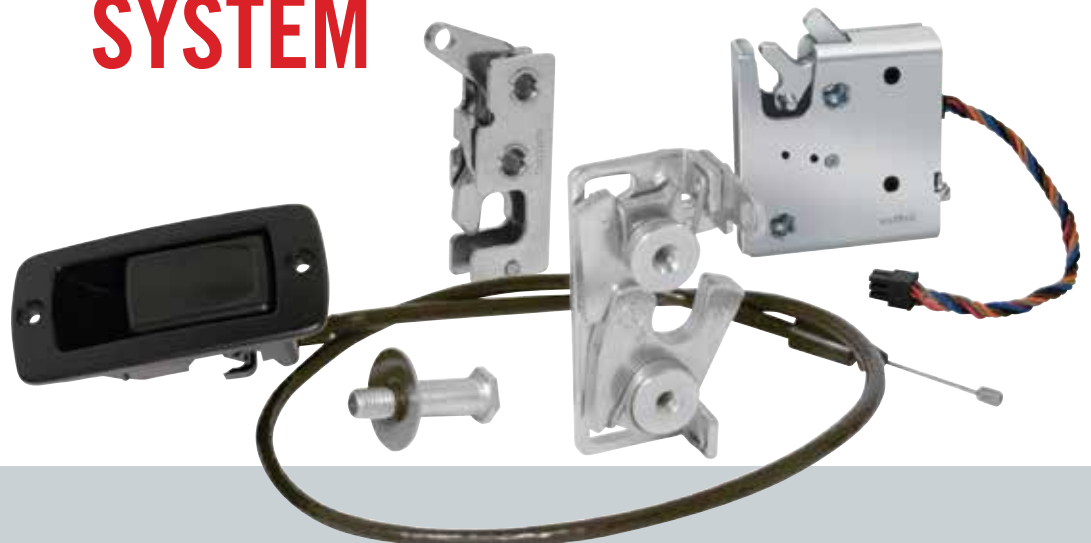


SOUTHCO'S ROTARY LATCHING SOLUTIONS



R4 ROTARY LATCH SYSTEM



CONNECT · CREATE · INNOVATE

THE R4 ROTARY LATCH SYSTEM

5 Years of Continuous Development

Over the last 5 years, Southco has invested in the expansion of our rotary latching product line with diverse latching mechanisms, ergonomic latch actuators and a wide variety of cable options.

Designed for a range of interior and exterior applications, Southco's rotary latch system comprises a variety of actuators that together with cables, connect latches to actuators for remote latching. Recognizing the unique needs of our customers, Southco offers numerous latches and trigger options to meet requirements and preferences, as well as a range of accessories to complete the system.

Southco's rotary products offer proven mechanical technology as a platform for the integration of new design features and enhancements. Southco's engineering expertise has led to the development of innovative new solutions, such as electromechanical locks and latches. In response to customer needs, Southco is constantly launching new products and refreshing its existing product line.



ABOUT SOUTHCO

Southco is a leading global provider of engineered access solutions, including latches, locks, captive fasteners, hinges, handles, and other accessories for applications in the off-highway/construction, RV/caravan, mass transit, rail, aerospace, marine, self service and enclosure, healthcare, networking and telecommunications, computer, industrial machinery and HVAC industries.

Southco is strongly focused on customized engineering solutions and global support for its key customers. The company continuously strives to be a virtual engineering center for its customers' engineered-access solutions and is committed to providing outstanding quality and overall satisfaction. Southco's promise to its customers is to connect, create and innovate to provide the best solution for every access engineering problem.



PRODUCT OVERVIEW

THE TOTAL SYSTEM – FROM LATCHING TO ACTUATION



1. Rotary Latches

Southco offers a full range of robust, concealed latches.

- ⇒ Electronic and manual access options
- ⇒ Available in four sizes
- ⇒ Rugged steel construction provides reliable performance, stainless steel option
- ⇒ Heavy-duty styles comply with FMVSS standards
- ⇒ Two stage engagement for added protection against false latching



2. Actuators

Actuators are available in a wide variety of designs, materials and finishes for interior and exterior applications.

- ⇒ Key locking options
- ⇒ Single point and multipoint actuation
- ⇒ Suitable for mechanical override when used in conjunction with Southco's Electronic Access Solutions (EAS)



3. Cables and Mounting Hardware

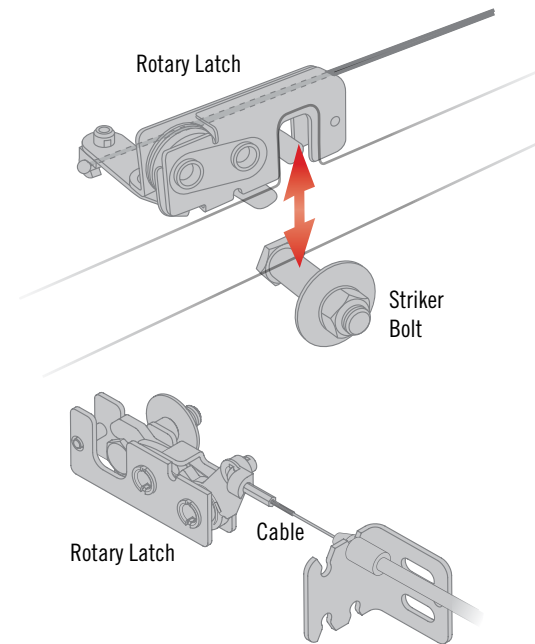
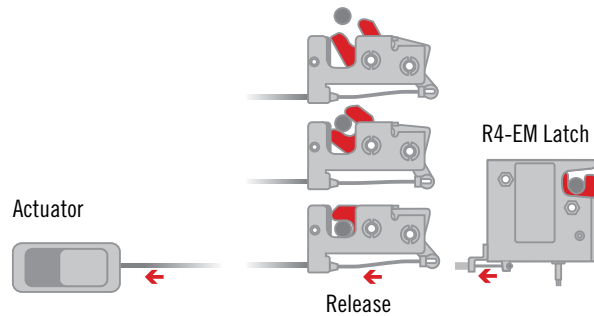
Cables are used to connect the actuators to the latch and allow release of latch.

- ⇒ Suits "straight line" and "routed" applications
- ⇒ Mounting hardware to allow for flexibility in applications

THE SYSTEM

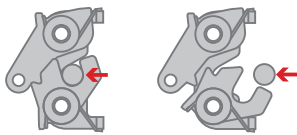
A UNIQUE, COMPLETE ROTARY LATCH SOLUTION

When choosing a remote access rotary latching system, it is important to select a solution that has been designed with three distinct components: rotary latch, cable and actuator. Southco's rotary latch system uses these three components to create remote, manual actuation suitable for a variety of application needs. To operate the system, the end user simply triggers the actuator and the attached cable activates the rotary latch, allowing the door or panel to open. The door closes just as easily, with simple push-to-close operation.

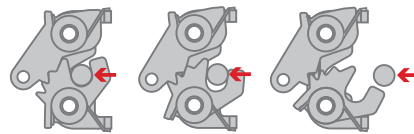


ROTARY OPTIONS

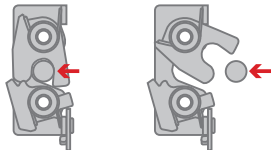
Single Stage



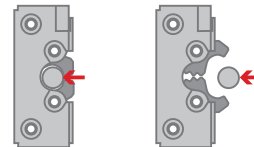
Two Stage



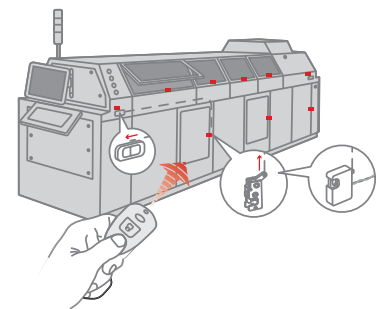
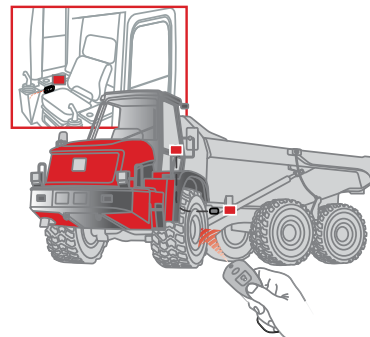
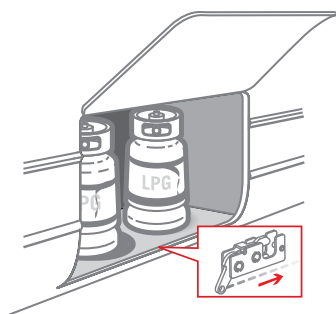
Single Rotor



Double Rotor



TYPICAL APPLICATIONS



DESIGNING YOUR SYSTEM:

1. SELECT YOUR CONCEALED ROTARY LATCH

Rotary latches feature easy push-to-close operation. These concealed latches mount inside the enclosure to hide latch points, improving security and industrial design.

- Available with electronic or mechanical latching mechanisms
- Variety of sizes to suit application strength requirements
- FMVSS-compliant versions; two stage actuation
- Electromechanical latches enable remote release via electronic signal
- Electromechanical version offers extremely low operating efforts relative to the mechanical holding force

Rotary Latches	Product Family	Load Rating	Single or Double Rotor	Single or Two Stage	Features	Applications	Industries	Recommended Cable End Fitting
Non-FMVSS Compliant	R4-10	Light-duty	Single rotor	Single and two stage	Compact, flexible actuation styles, light-duty, economical, stainless steel option, integrated mounting bracket	Engine covers, baggage doors, access panels and tool boxes	Off-highway, agricultural, truck, bus, recreational vehicles, industrial equipment and enclosures	L Fitting
	R4-20	Medium-duty	Single rotor	Single and two stage	Compact, flexible actuation styles, medium-duty, economical	Engine covers, baggage doors, access panels and tool boxes	Off-highway, agricultural, truck, bus, recreational vehicles, industrial equipment and enclosures	L Fitting
FMVSS Compliant	R4-30	Heavy-duty	Single rotor	Two stage	Accommodation for misalignment between the latch and keeper, heavy-duty - support plate required	Entry doors, engine covers, baggage doors and large access panels	Off-highway, agricultural, truck, bus, recreational vehicles and industrial equipment	L Fitting
	R4-50	Heavy-duty	Double rotor	Two stage	Heavy-duty for high strength requirements	Entry doors, engine covers, baggage doors and large access panels	Off-highway, agricultural, truck, bus, recreational vehicles and industrial equipment	L Fitting
Electronic Access	R4-EM	Light-duty	Single rotor	Single stage	Convenient and reliable, delivers proven electronic access control in a compact, lightweight integrated package	Access Points on equipment that requires increased security and remote monitoring	Datacenters, Enclosures, Medical Equipment, Off-Highway, Recreational Vehicles and Self-Service	Ball Fitting (Mechanical override option)
	R4-EM	Heavy-duty	Single rotor	Single stage	Easy to install and maintain, the R4-EM delivers the convenience of electronic access control with robust construction			
	R4-EM	Light-duty	Single rotor	Single stage	Sealed electronic access designed for applications exposed to environmental conditions			

R4 ROTARY LATCH SYSTEM



2. CHOOSE YOUR ACTUATOR



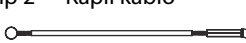


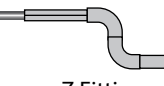
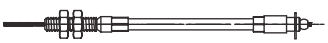
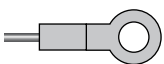

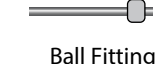
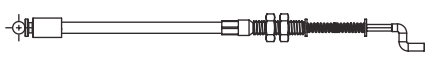
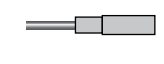
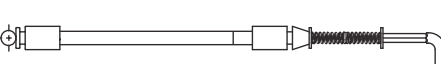

Match the strength and cost requirements of your push-to-close latch application with a wide variety of actuation styles - including slide, push-to-open, or pull-handle styles. Visible mounting styles provide both the actuation capability and a convenient handgrip for opening the door.

- Non-locking and locking styles available
- Variety of size, design, and actuation options
- Snap-in installation styles reduce installed cost
- Numerous corrosion-resistant designs

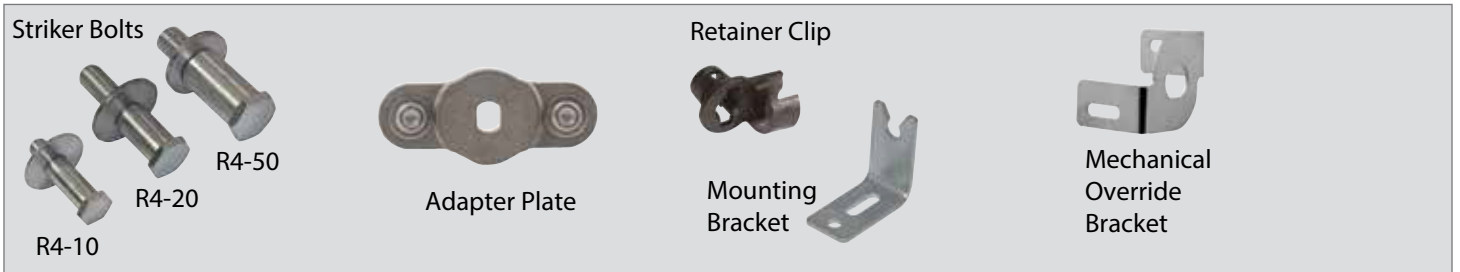
Actuators	Product Family	Description	Sealed / Non-Sealed	Locking / Non-Locking	Recommended Rotary Latch	Actuator End Fitting for Actuator
Single Point	AC-60	T-handle cable actuator	Non-sealed	Non-locking	R4-10, R4-20, R4-30	Barrel Fitting
	AC-70	Paddle cable actuator	Non-sealed	Non-locking	R4-10, R4-20, R4-30	Barrel Fitting
	AC-80	Push-button cable actuator	Non-sealed	Non-locking	R4-10, R4-20, R4-30	Barrel Fitting
Multi-Point	AC-10 AC-15	Lever entry actuator	Sealed	Locking	All	L Fitting
	AC-30	Push-button entry actuator	Sealed	Locking	All	L Fitting
	AC-40	Push-button handle entry actuator	Sealed	Locking	All	L Fitting
	R3-20	Push-to-close latch	Sealed	Locking	All	L Fitting
	64-40	Paddle actuator	Non-sealed	Locking	R4-10, R4-20, R4-30	Eyelet Fitting
	E5	Push-to-close, two point	Non-sealed	Locking	R4-10, R4-20, R4-30, R4-EM	Bare Cable (Mechanical override option)
	EA	Electronic	N/A	N/A	R4-EM	

3. KABLONU VE MONTAJLAMA EKİPMANINI SEÇ

Döner mandallama çözümünüzün dizaynında son aşama kablo ve montaj ekipmanını seçmedir. Uygulamanızdaki ihtiyaçlarınızı karşılayacak yedi farklı kablo seçeneği bulunmaktadır. İhtiyacınız olan herhangi bir aksesuar için Southco temsilciniz ile iletişim kurun.

Kablolar	Özellik ve Fayda	Available End Fittings
Tip 1 - Çıplak Kablo 	- Rotary ve çalıştırıcı arasında direk hat	
Tip 2 - Kaplı kablo 	- Direct line of pull between Rotary and Actuator - Improved appearance	
Tip 3 - Jacketed Cable (Shown with Spring Option) 	- Cable can be routed around corners between Rotary and Actuator - Spring Option available to assist Actuator back to initial stage	
Type 4 - Çıtçıklı ve dişli tutuculu jacklı kablo 	- Cable can be routed around corners between Rotary and Actuator - Spring Option available to assist Actuator back to initial stage - Threaded End allows for adjustment in application	
Tip 5 - Çıtçıklı ve kaplinli jacklı kablo 	- Cable can be routed around corners between Rotary and Actuator - Spring Option available to assist Actuator back to initial stage	
Tip 6 - Çıtçıklı, dişli tutuculu ve kaplinli jaklı kablo 	- Cable can be routed around corners between Rotary and Actuator - Spring Option available to assist Actuator back to initial stage - Threaded End allows for adjustment in application	
Tip 7 - Sonu çıtçıklı kaplin ve kaplinli tutturucu 	- Cable can be routed around corners between Rotary and Actuator - Spring Option available to assist Actuator back to initial stage	

ACCESSORIES



THE PROVEN GLOBAL LEADER IN ENGINEERED ACCESS SOLUTIONS



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