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Southco M1-42-8

Southco M1-42-8 Push-to-Close Latch User Manual

Model: M1-42-8

PRODUCT OVERVIEW

The Southco M1-42-8 Push-to-Close Latch is a medium-sized, key-locking latch designed for secure closure with a flush-mount appearance. It features a recessed handle and concealed mounting hardware for a clean aesthetic. Constructed from 316 Stainless Steel with an electropolished finish, this latch offers excellent corrosion resistance, making it suitable for both indoor and outdoor applications. Its push-to-close mechanism provides convenient and reliable functionality.



Figure 1: Southco M1-42-8 Push-to-Close Latch. This image shows the front view of the electropolished stainless steel latch with its key-locking mechanism and recessed handle.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of the Southco M1-42-8 latch. This latch is designed for door thicknesses between 7mm (.275 in) and 12mm (.475 in).

Required Tools

- Drill
- Appropriate drill bits for mounting holes
- Measuring tape or ruler

- Marking tool (pencil/marker)
- Screwdriver (if applicable for mounting screws)

Installation Steps

1. **Prepare Mounting Surface:** Ensure the mounting surface on the door or panel is clean, flat, and within the specified thickness range of 7mm to 12mm.
2. **Mark Hole Locations:** Carefully measure and mark the precise locations for the latch cutout and mounting screw holes according to the product's technical drawing (not provided in this manual, refer to manufacturer's specifications).
3. **Cut Opening:** Using appropriate tools, create the necessary cutout for the latch body. Ensure the cutout is clean and accurately sized to allow the latch to sit flush.
4. **Install Latch:** Insert the latch into the prepared opening. The recessed handle should be facing outwards.
5. **Secure Latch:** Fasten the latch using the appropriate mounting hardware (not specified if included, typically sold separately or integrated). Ensure it is securely tightened to prevent movement.
6. **Install Striker (if separate):** If a separate striker plate is required for the door frame, align it with the latch mechanism and secure it. Test the latch engagement to ensure smooth operation.

OPERATING INSTRUCTIONS

The Southco M1-42-8 latch features a simple push-to-close operation and key-locking functionality.

Closing the Latch

- To close the door or panel, simply push it firmly until the latch mechanism engages with the striker. A distinct click indicates that the latch is securely closed.

Opening the Latch

- To open, press the recessed handle. The latch will disengage, allowing the door or panel to be opened.

Locking and Unlocking

- Insert the key into the keyhole located on the latch face.
- Turn the key clockwise to lock the latch. This will prevent the handle from being pressed and the latch from opening.
- Turn the key counter-clockwise to unlock the latch. The handle will then be operable.
- Remove the key after locking or unlocking.

MAINTENANCE

The Southco M1-42-8 latch is constructed from durable 316 Stainless Steel and is designed for long-term performance with minimal maintenance. However, periodic care can extend its lifespan and maintain its appearance.

- **Cleaning:** Clean the exterior surfaces with a soft cloth and mild soap and water solution. For stubborn dirt or grime, a non-abrasive stainless steel cleaner can be used. Avoid harsh chemicals or abrasive materials that could damage the electropolished finish.
- **Lubrication:** Periodically, apply a small amount of silicone-based lubricant to the moving parts of the latch mechanism, particularly the internal components and the key cylinder, to ensure smooth operation. Avoid oil-based lubricants that can attract dirt.
- **Inspection:** Regularly inspect the latch for any signs of wear, damage, or loose mounting hardware. Ensure the key

mechanism operates smoothly. Address any issues promptly to prevent further damage.

- **Corrosion Prevention:** While 316 Stainless Steel is highly corrosion-resistant, in harsh marine or industrial environments, occasional rinsing with fresh water can help remove salt or chemical residues that could lead to surface discoloration over time.

TROUBLESHOOTING

This section provides solutions to common issues that may arise with the Southco M1-42-8 latch.

Problem	Possible Cause	Solution
Latch is stiff or difficult to operate.	Lack of lubrication; accumulation of dirt/debris; minor misalignment.	Clean the latch mechanism and apply silicone-based lubricant. Check for any obstructions. Verify alignment with the striker.
Latch does not engage or close securely.	Misalignment with striker; worn striker or latch components; obstruction.	Inspect the alignment of the latch and striker. Adjust striker position if possible. Check for foreign objects preventing full engagement. If components are worn, replacement may be necessary.
Key is difficult to turn or remove.	Dirt in key cylinder; worn key; internal mechanism issue.	Apply a small amount of graphite powder or silicone spray into the key cylinder. Try a spare key if available. If the issue persists, the key cylinder may need professional attention or replacement.
Surface discoloration or rust spots.	Exposure to harsh chemicals or prolonged moisture; surface contamination.	Clean with a stainless steel cleaner and soft cloth. For minor rust, a non-abrasive rust remover for stainless steel can be used, followed by thorough rinsing. Ensure proper ventilation in the environment.

SPECIFICATIONS

Detailed technical specifications for the Southco M1-42-8 Push-to-Close Latch.

- **Model:** M1-42-8
- **Type:** Push-to-Close Latch
- **Locking Mechanism:** Key Locking
- **Size Series:** Medium Size
- **Material:** 316 Stainless Steel
- **Finish:** Electropolished
- **Door Thickness Range:** 7mm - 12mm (0.275 in - 0.475 in)
- **Grip Range:** 25mm - 26mm (1.00 in)
- **Profile:** Low Profile
- **Manufacturer:** Southco
- **ASIN:** B01HSFT5E6
- **Approximate Package Dimensions:** 8 x 6 x 3 inches
- **Approximate Package Weight:** 0.01 ounces

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to purchase replacement parts, please contact Southco directly or refer to their official website.

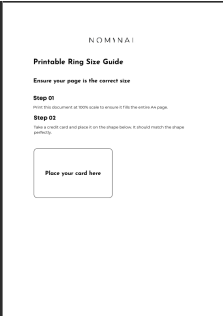
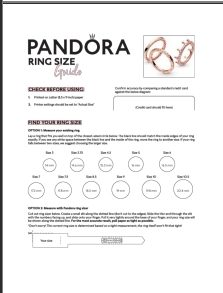

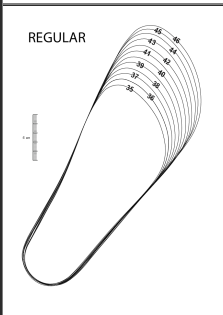
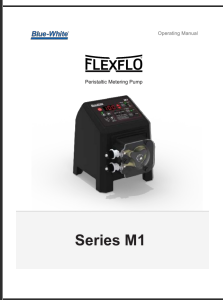
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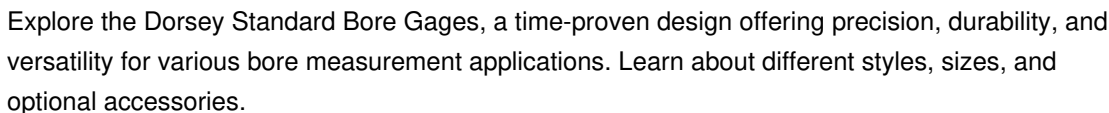
Please visit www.southco.com for the most up-to-date contact information and support resources.



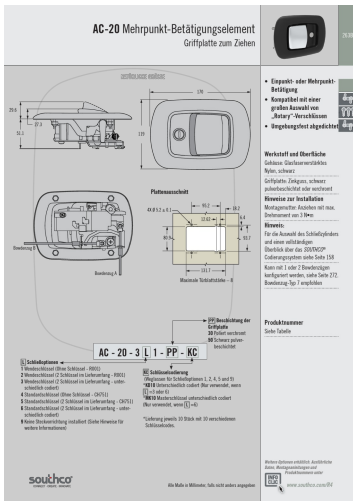
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Related Documents - M1-42-8

	<p>Nominal Printable Ring Size Guide</p> <p>A guide from Nominal to help you accurately measure your ring size at home using a printable chart and a credit card for reference.</p>
	<p>Pandora Ring Size Guide</p> <p>A comprehensive guide to finding your perfect Pandora ring size, with instructions for measuring existing rings and using the provided ring sizer.</p>
	<p>Will-Burt Telescopic Masts and Tower Elevation Solutions</p> <p>Explore Will-Burt's comprehensive range of telescopic masts, tower systems, and pneumatic solutions for military, broadcast, cellular, and other applications. Featuring advanced engineering for stability, reliability, and ease of deployment.</p>
	<p>LUKS Barefoot Shoe Sizing Guide - Regular Fit</p> <p>A comprehensive sizing guide for LUKS Barefoot shoes, featuring outlines for regular fit sizes 35 through 46 with a 5 cm scale for accurate measurement.</p>
	<p>Blue-White FLEXFLO M1 Peristaltic Metering Pump - Installation and Operation Manual</p> <p>Comprehensive manual for the Blue-White FLEXFLO M1 Peristaltic Metering Pump, covering installation, operation, maintenance, and troubleshooting. Features include Tube Failure Detection (TFD+), remote start/stop, and 4-20mA input.</p>



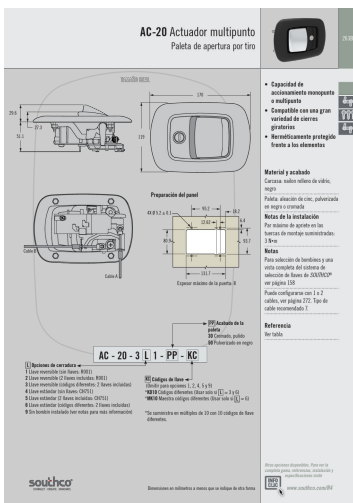
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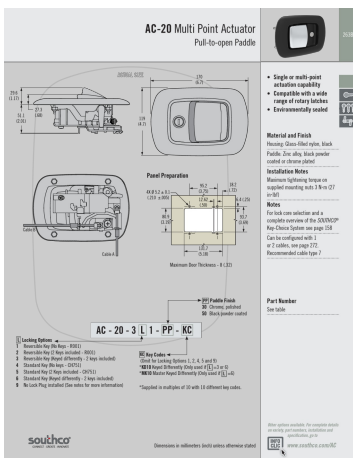
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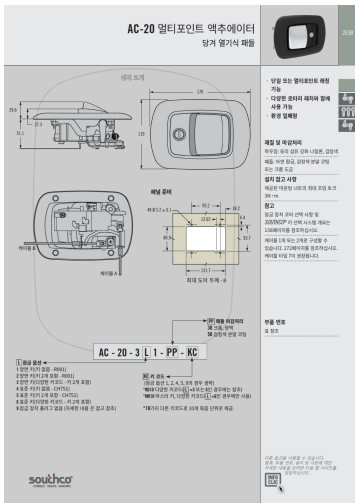
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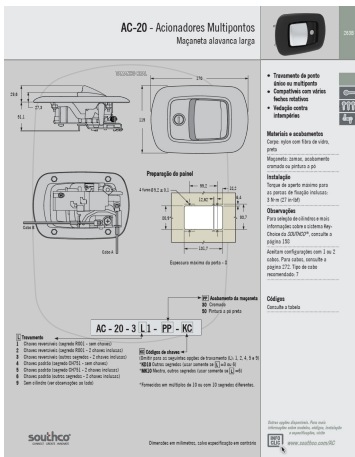
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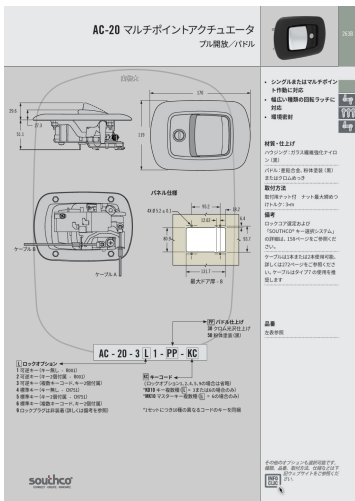
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