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Hager 2500 Series Cylindrical Passage Lock 129002 Instruction Manual

Model: 129002

INTRODUCTION

This manual provides instructions for the proper installation, operation, and maintenance of the Hager 2500 Series Cylindrical Passage Lock, model 129002. This lock is designed for standard duty commercial applications and is suitable for doors requiring a non-locking function, allowing free passage from either side at all times.

SAFETY INFORMATION

Always wear appropriate safety gear, such as gloves and eye protection, during installation. Ensure all tools are in good working condition. If you are unsure about any step, consult a qualified professional.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Hager 2500 Series Cylindrical Passage Lock assembly (Withnell Lever Style)
- Latch mechanism
- Strike plate (ASA Strike)
- Mounting screws
- Operating keys (two supplied, for specific internal components, not for locking function)
- Installation template (if included with physical product)

SETUP AND INSTALLATION

Follow these steps for proper installation of the Hager 2500 Series Cylindrical Passage Lock.

1. Door Preparation

Ensure your door is prepared with the following standard dimensions:

- **Cross Bore:** 2-1/8 inches (54 mm) diameter
- **Edge Bore (Latch Hole):** 1 inch (25 mm) diameter
- **Backset:** 2-3/4 inches (70 mm)

Use the provided template (if applicable) to mark and drill holes accurately. Incorrect drilling can affect lock function and security.

2. Install Latch Mechanism

1. Insert the latch mechanism into the edge bore of the door, ensuring the bevel of the latch bolt faces the door frame.
2. Secure the latch with the provided screws.

3. Install Lock Chassis

1. Align the lock chassis with the cross bore, ensuring the spindle engages with the latch mechanism.
2. Insert the exterior and interior lever assemblies.
3. Secure the lock chassis with the through-bolts or mounting screws. The design features no exposed mounting screws for a clean appearance.

4. Install Strike Plate

1. Mark the position for the ASA strike plate on the door frame, aligning it with the latch bolt.
2. Chisel out the mortise for the strike plate to sit flush with the door frame.
3. Secure the strike plate with the provided screws.



Image 1: Hager 2500 Series Cylindrical Passage Lock, Withnell Lever Style, in Satin Chrome finish. This image shows the complete lever set, including both interior and exterior levers and the cylindrical chassis.

OPERATING INSTRUCTIONS

The Hager 2500 Series Cylindrical Passage Lock is designed for non-locking applications. It allows free entry and exit at all times.

- To open the door, simply depress the lever handle on either side.
- Release the lever to allow the latch bolt to extend and secure the door in the closed position.

Note: While two operating keys are supplied, these are typically for internal component access or specific installation adjustments, not for a locking function on a passage set. This lock does not provide security locking.

MAINTENANCE

Regular maintenance ensures the longevity and smooth operation of your lock.

- **Cleaning:** Clean the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents, which can damage the finish.
- **Lubrication:** Periodically apply a small amount of graphite-based lubricant to the latch bolt mechanism if it becomes stiff. Do not use oil-based lubricants, as they can attract dust and debris.
- **Inspection:** Annually inspect all screws and components for tightness. Tighten any loose screws to prevent excessive wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lever is stiff or hard to turn.	Accumulation of dirt or lack of lubrication.	Clean the mechanism and apply graphite lubricant.
Latch bolt does not retract fully.	Misalignment of lock components or strike plate.	Check alignment of lock chassis and strike plate. Ensure screws are tight.
Door rattles when closed.	Strike plate not properly aligned or mortised.	Adjust the strike plate position or depth to ensure a snug fit with the latch bolt.

SPECIFICATIONS

Feature	Detail
Model Number	129002
Series	2500 Series
Lock Type	Cylindrical Passage Lock (Non-locking)
Material	Heavy Gauge Steel, Zinc (Handle Material: Zinc)
Finish	Satin Chrome
Lever Style	Withnell
Backset	2-3/4 inches (70 mm)
Door Prep - Cross Bore	2-1/8 inches (54 mm) diameter
Door Prep - Latch Hole (Edge Bore)	1 inch (25 mm) diameter
Hand Orientation	Non-Handed
Grade	Grade 2 (Standard Duty Commercial)
Strike Plate	ASA Strike
Included Components	2510 WTN US26D (Lock assembly, latch, strike, screws, 2 operating keys)

WARRANTY INFORMATION

Hager products are manufactured to high standards. For specific warranty terms and conditions applicable to the 2500 Series Cylindrical Passage Lock, please refer to the official Hager website or contact Hager customer support directly. Keep your purchase receipt as proof of purchase.

CUSTOMER SUPPORT

If you require further assistance or have questions regarding your Hager 2500 Series Cylindrical Passage Lock, please contact Hager customer support:

- **Website:** Visit the official Hager website for support resources and contact information.
- **Contact:** Refer to the packaging or Hager's website for phone numbers or email addresses.

When contacting support, please have your model number (129002) and purchase details available.