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Deltana 24EFB

Deltana 24EFB19 24-inch Heavy Duty Solid Brass Rod Extension Instruction Manual

Model: 24EFB

Product Overview

The Deltana 24EFB19 is a 24-inch heavy-duty solid brass rod extension designed to enhance the security of doors. This flush bolt mechanism is constructed from durable brass and steel, ensuring reliability and longevity. It features a unique cam mechanism that facilitates smooth opening and closing actions, providing an additional layer of security when installed on a door.

Features

- **Durable Construction:** Manufactured from solid brass and steel for enhanced durability and dependable performance.
- **Enhanced Security:** Designed to add an additional layer of security to various door types.
- **Smooth Operation:** Incorporates a unique cam mechanism for a smooth and consistent open-close sliding action.
- **Easy Installation:** Includes all necessary mounting hardware for straightforward installation.

Specifications

Attribute	Detail
Model Number	24EFB
Part Number	24EFB19
Length	6-3/4 inches (body), 24 inches (rod extension)
Width	1 inch
Material	Brass and Steel
Finish	Flat Black
Item Weight	1 pound

Product Dimensions	1 x 1 x 1 inches (packaging/overall, specific to product body)

Setup and Installation

The Deltana 24EFB19 rod extension is designed for straightforward installation. All necessary mounting hardware is included with the product.

Required Tools (Not Included):

- Pencil for marking
- Drill with appropriate drill bits
- Screwdriver (Phillips or flathead, depending on screw type)
- Measuring tape

Installation Steps:

1. **Prepare the Door:** Identify the desired location for the flush bolt on the door edge, typically on the inactive leaf of a double door. Ensure there is sufficient space for the bolt mechanism and rod extension.
2. **Mark Mounting Holes:** Position the flush bolt body on the door edge and use a pencil to mark the locations for the mounting screws and the bolt rod channel.
3. **Drill Pilot Holes:** Carefully drill pilot holes for the mounting screws and the bolt rod channel. Ensure the drill bit size is appropriate for the screws and the rod to prevent splitting the wood.
4. **Install Flush Bolt Body:** Secure the flush bolt body to the door edge using the provided screws. Ensure it is flush with the door surface.
5. **Install Strike Plate:** With the door closed, extend the bolt rod to mark the corresponding location on the door frame or the top/bottom of the door for the strike plate. Drill pilot holes and secure the strike plate.
6. **Test Operation:** Operate the flush bolt several times to ensure smooth engagement and disengagement with the strike plate. Adjust if necessary.



Figure 1: Deltana 24EFB19 Rod Extension. This image displays the main body of the flush bolt and its extended rod, illustrating the product's design and components.

Operating Instructions

The Deltana 24EFB19 flush bolt is designed for simple and reliable operation.

1. **To Engage the Bolt:** Locate the lever or slide mechanism on the flush bolt body. Slide the mechanism to extend

the rod into the strike plate, securing the door. The unique cam mechanism ensures a smooth sliding action.

2. **To Disengage the Bolt:** Slide the lever or mechanism in the opposite direction to retract the rod from the strike plate, allowing the door to open freely.

Ensure the door is properly aligned for the bolt to engage and disengage without obstruction.

Maintenance

Regular maintenance will help ensure the longevity and smooth operation of your Deltana 24EFB19 rod extension.

- **Cleaning:** Periodically wipe the brass and steel surfaces with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners or harsh chemicals, which can damage the finish.
- **Lubrication:** If the sliding mechanism begins to feel stiff, apply a small amount of silicone-based lubricant to the moving parts of the cam mechanism and the rod. Do not use oil-based lubricants on brass, as they can attract dust.
- **Inspection:** Regularly check all mounting screws to ensure they are tight. Loose screws can affect the bolt's alignment and operation.

Troubleshooting

Problem	Possible Cause	Solution
Bolt does not extend or retract smoothly.	Lack of lubrication; debris in mechanism; misaligned components.	Clean the mechanism and apply a silicone-based lubricant. Check for any obstructions. Verify that the bolt body and strike plate are correctly aligned.
Bolt does not engage fully with the strike plate.	Door or frame misalignment; strike plate incorrectly positioned; loose mounting screws.	Check door alignment. Adjust the strike plate position if necessary. Tighten all mounting screws on both the bolt body and the strike plate.
Bolt feels loose or wobbly.	Loose mounting screws.	Tighten all mounting screws. Avoid over-tightening to prevent damage to the door or hardware.

Warranty and Support

The Deltana 24EFB19 Heavy Duty Solid Brass Rod Extension is covered by Deltana's**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact Deltana customer service through their official website or authorized distributors. Please have your product model number (24EFB) and proof of purchase available when contacting support.

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