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Deltana 24SB3

Deltana 24SB3 HD Solid Brass 24-Inch Surface Bolt Instruction Manual

Model: 24SB3 | Brand: Deltana

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Deltana 24SB3 HD Solid Brass 24-Inch Surface Bolt. Please read these instructions carefully before beginning installation to ensure proper function and longevity of the product.

Product Overview

The Deltana 24SB3 HD Surface Bolt is designed to provide additional security for doors. It is constructed from solid brass and features a robust design for reliable performance. The bolt is typically mounted on the inside of a door.



Image Description: A detailed view of the Deltana 24SB3 HD Solid Brass 24-Inch Surface Bolt. The main component is a long, cylindrical brass bolt with a rounded knob at one end for operation. It is secured by three brass guides along its length, each with screw holes for mounting. Below the main bolt assembly, three different strike plates are shown: an angle strike, a mortise strike, and a universal strike, offering versatile installation options. All components are in an antique brass finish.

Key components include:

- **Surface Bolt:** The main locking mechanism, a solid brass rod.
- **Operating Knob:** A rounded knob used to slide the bolt into position.
- **Guides:** Brackets that secure the bolt to the door surface, allowing it to slide smoothly.
- **Strike Plates:** Three types are included for various installation scenarios:
  - Angle Strike
  - Mortise Strike

    - Universal Strike
- **Mounting Hardware:** Screws for installation.

Setup and Installation

Proper installation is crucial for the security and functionality of the surface bolt. It is recommended to have basic carpentry tools and skills for this process. Ensure the door and frame are structurally sound before installation.

Tools Required:

- Pencil or Marker
- Ruler or Measuring Tape
- Electric Drill
- Screwdriver (manual or power)
- Wood Chisel and Hammer (potentially for mortise strike installation)

Installation Steps:

1. **Determine Mounting Location:** Decide where on the door the bolt will be mounted. Surface bolts are typically installed on the inside of the inactive leaf of a double door, or at the top/bottom of a single door for added security. For a 24-inch bolt, consider placement for comfortable operation.
2. **Position the Bolt Assembly:** Hold the main bolt assembly against the door in the desired position. Ensure it is plumb (vertically straight) and allows the bolt rod to extend into the door frame or floor/header when engaged.
3. **Mark Screw Holes:** Using a pencil, mark the locations for the screw holes through the guides.
4. **Pre-drill Pilot Holes:** Carefully pre-drill pilot holes at the marked locations. The size of the pilot hole should be slightly smaller than the screw diameter to prevent wood splitting.
5. **Mount the Bolt Assembly:** Secure the bolt assembly to the door using the provided screws. Do not overtighten.
6. **Select and Position Strike Plate:**
    - **For Angle Strike:** Position the angle strike on the door frame, floor, or header so that the bolt rod slides smoothly into its opening when engaged.
    - **For Mortise Strike:** If using the mortise strike, you will need to chisel out a recess in the door frame, floor, or header to accommodate the plate flush with the surface.
    - **For Universal Strike:** Position the universal strike as needed for your specific application.

    Ensure the strike plate aligns perfectly with the bolt rod when it is extended.
7. **Mark and Install Strike Plate:** Mark the screw holes for the chosen strike plate, pre-drill pilot holes, and secure the strike plate with screws.
8. **Test Operation:** Slide the bolt back and forth several times to ensure smooth operation and proper engagement with the strike plate. Adjust if necessary.

Operating Instructions

To operate the Deltana 24SB3 HD Surface Bolt:

- **To Lock:** Grasp the operating knob and slide the bolt rod downwards (or upwards, depending on installation) until it fully extends into the strike plate, securing the door.
- **To Unlock:** Grasp the operating knob and slide the bolt rod in the opposite direction, retracting it from the

strike plate to allow the door to open.

Ensure the bolt moves freely and engages completely for optimal security.

Maintenance

Regular maintenance will help preserve the appearance and functionality of your solid brass surface bolt.

- **Cleaning:** Clean the brass surface with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals, as these can damage the finish. For antique brass finishes, a light polish designed for brass can be used periodically if desired, following the polish manufacturer's instructions.
- **Lubrication:** If the bolt mechanism becomes stiff, apply a small amount of silicone-based lubricant or dry graphite to the sliding rod and inside the guides. Avoid oil-based lubricants, which can attract dust and grime.
- **Inspection:** Periodically check all mounting screws for tightness. If any screws are loose, gently tighten them to ensure the bolt remains securely attached to the door.

Troubleshooting

Problem	Possible Cause	Solution
Bolt is stiff or difficult to slide.	Accumulation of dirt/dust, lack of lubrication, or misalignment.	Clean the bolt rod and guides. Apply a silicone-based lubricant. Check for proper alignment of the bolt and guides.
Bolt does not fully engage with the strike plate.	Misalignment of the strike plate or bolt assembly, or obstruction.	Verify the strike plate is correctly aligned with the bolt rod. Adjust the strike plate or bolt assembly position if necessary. Check for any debris in the strike plate opening.
Bolt assembly feels loose on the door.	Loose mounting screws.	Tighten all mounting screws on the bolt guides. If screws are stripped, consider using larger screws or wood anchors.

Specifications

- **Model Number:** 24SB3
- **Material:** Solid Brass
- **Finish:** Antique Brass (as per current product variant)
- **Dimensions (L x W x H):** Approximately 24 x 0.63 x 1.25 inches
- **Item Weight:** Approximately 2 pounds
- **Included Components:** Surface bolt assembly, angle strike, mortise strike, universal strike, mounting hardware.

Warranty and Support

Deltana products are manufactured to high standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official Deltana website. If you require technical assistance or have questions regarding your Deltana 24SB3 HD Surface Bolt, please contact Deltana customer support

directly.

For more information, you may visit the Deltana Brand Page on Amazon.

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