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Everbilt 14874

Everbilt 14874 3-1/2 Inch Satin Nickel 5/8 Inch Radius Security Door Hinges User Manual

Model: 14874 | Brand: Everbilt

1. PRODUCT OVERVIEW

The Everbilt 14874 security door hinges are designed for residential interior doors. This value pack includes three 3-1/2 inch x 5/8 inch radius hinges with a satin nickel finish. They feature a full mortise 5-knuckle design and are constructed from durable alloy steel. A key feature is the removable pin, which facilitates easy installation or removal of the door, combined with additional security tabs to prevent unauthorized door removal even if the pin is extracted. These hinges meet ANSI/BHMA standards, ensuring quality and reliability.



Image 1.1: Everbilt 14874 3-1/2 Inch Satin Nickel 5/8 Inch Radius Security Door Hinges. This image shows the complete hinge assembly in its satin nickel finish.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses and gloves, when handling tools and hardware.
- Keep small parts, such as screws, out of reach of children to prevent choking hazards.
- Ensure the door is properly supported during hinge installation or removal to prevent injury or damage.
- Use the correct tools for installation to avoid damaging the hinges or the door frame.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 3 x Everbilt 3-1/2 Inch x 5/8 Inch Radius Security Door Hinges
- Screws for installation (quantity sufficient for 3 hinges)

4. SETUP AND INSTALLATION

These hinges are designed for full mortise installation on residential interior doors up to 1.76 inches (4.48 cm) thick. The removable pin feature simplifies the installation process.

Tools Required (Not Included):

- Pencil
- Measuring Tape
- Screwdriver (Phillips head recommended)
- Drill with appropriate bit for pilot holes (optional, but recommended to prevent wood splitting)
- Chisel and Hammer (if creating new mortises)

Installation Steps:

1. **Prepare the Door and Frame:** If replacing existing hinges, remove the old hinges. If installing on a new door, mark the hinge locations on both the door edge and the door frame. Standard placement is typically 7 inches from the top and 11 inches from the bottom, with a third hinge centered between them.
2. **Create Mortises (if necessary):** Using a chisel and hammer, carefully cut out the mortises (recesses) in the door edge and frame so that the hinge leaves sit flush with the surface. The 5/8 inch radius corners should match the hinge design.
3. **Attach Hinges to Door:** Separate the hinge leaves by removing the pin. Position one hinge leaf into its mortise on the door edge. Ensure it is flush and aligned. Mark and drill pilot holes for the screws if needed. Secure the hinge leaf with the provided screws. Repeat for all hinge leaves on the door.
4. **Attach Hinges to Frame:** Position the door into the door frame, aligning the hinge leaves on the door with their corresponding mortises on the frame. Insert the hinge pins to temporarily hold the door in place.
5. **Final Securement:** Once the door is properly aligned and swings freely, remove the hinge pins one by one, and secure the remaining hinge leaves to the door frame using the provided screws. Ensure all screws are tightened securely, but do not overtighten.
6. **Test Operation:** Open and close the door several times to ensure smooth operation and proper alignment.



Image 4.1: A visual representation of the Everbilt 14874 hinge, illustrating its components for installation reference.

5. OPERATING INSTRUCTIONS

Once installed, the Everbilt 14874 hinges operate like standard door hinges, allowing the door to swing open and closed smoothly. The primary operational feature is the removable hinge pin, which allows for easy door removal without unscrewing the hinge leaves from the door or frame. To remove the pin, gently tap it upwards from the bottom using a hammer and a nail set or similar tool. To reinsert, align the hinge leaves and push the pin down through the knuckles until it is fully seated. The integrated security tabs provide an added layer of protection, preventing the door from being lifted off its frame even if the hinge pins are removed.

6. MAINTENANCE

- **Cleaning:** Clean the hinges periodically with a soft, damp cloth. Avoid abrasive cleaners or harsh chemicals that could damage the satin nickel finish.
- **Lubrication:** If hinges begin to squeak, apply a small amount of silicone-based lubricant to the hinge pins and knuckles. Work the door back and forth to distribute the lubricant.
- **Tightening Screws:** Periodically check all mounting screws and tighten them if they have become loose. Do not overtighten.
- **Inspection:** Inspect hinges for any signs of wear, damage, or corrosion. Replace hinges if significant damage is observed.

7. TROUBLESHOOTING

- **Squeaking Hinges:** Apply a silicone-based lubricant to the hinge pins and knuckles.
- **Loose Door:** Check and tighten all hinge screws on both the door and the frame. If screws are stripped, consider using longer screws or wood filler to secure them.
- **Door Sagging/Misalignment:** Ensure all hinges are properly seated in their mortises and screws are tight. Adjust hinge placement slightly if necessary, or consult a professional if the issue persists.
- **Difficulty Removing Pin:** If the pin is stuck, apply a penetrating lubricant and gently tap it from the bottom with a hammer and a punch or nail set.

8. SPECIFICATIONS

Feature	Specification
Brand	Everbilt
Model Number	14874
Part Number	14874
UPC	030699148745
Material	Alloy Steel
Color	Satin Nickel
Finish Type	Satin Nickel
Product Dimensions	3.5 x 0.625 x 0.04 inches (8.89 x 1.59 x 0.1 cm)
Item Weight	1.27 lbs (576 g)
Number of Pieces	3
Mounting Type	Door Mount
Batteries Required	No
Date First Available	September 12, 2016

9. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Everbilt 14874 hinges, please refer to the product packaging or contact Everbilt customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: Everbilt