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### National Hardware N128-322

# National Hardware N128-322 282BC Heavy Strap Hinge Instruction Manual

Model: N128-322

## PRODUCT OVERVIEW

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The National Hardware N128-322 282BC Heavy Strap Hinge is designed for various applications, including home, farm, builder, and industrial use. This hinge is constructed from hot-rolled steel and features a galvanized finish for enhanced corrosion resistance, particularly in environments with corrosive elements like salt air. Its design incorporates offset screw holes for increased strength and to prevent wood splitting, along with a tight pin suitable for both left and right-hand applications.



Figure 1: Main view of the National Hardware N128-322 Heavy Strap Hinge.

## FEATURES

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- **Offset Screw Holes:** Engineered to provide extra strength and minimize wood splitting during installation.
- **Tight Pin Design:** Allows for versatile installation on either left or right-hand applications.
- **Heavy-Duty Construction:** Manufactured with durable hot-rolled steel for robust performance.
- **Galvanized Finish:** Offers superior corrosion resistance, making it suitable for outdoor and harsh environments.



Figure 2: Detail of the hinge showing offset screw holes for secure mounting.

## SPECIFICATIONS

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Attribute	Detail
Model Number	N128-322
Brand	National Hardware
Material	Hot-rolled Steel (Handle Material: Alloy Steel)
Finish Type	Galvanized
Mounting Type	Face Mount
Hole Count	2
Size	6 Inch
Item Weight	8 ounces

Product Dimensions	7.5 x 3.75 x 3.13 inches
UPC	038613128323

## INSTALLATION INSTRUCTIONS

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- 1. Prepare the Surface:** Ensure the mounting surface (e.g., door, gate, post) is clean, dry, and structurally sound. Mark the desired hinge placement.
- 2. Position the Hinge:** Place the strap hinge in the desired position. The offset screw holes are designed to provide maximum grip and prevent wood splitting. Ensure the hinge is level and aligned correctly.
- 3. Mark Screw Locations:** Use a pencil or marker to mark the locations for the screws through the hinge's pre-drilled holes.
- 4. Drill Pilot Holes:** For wood applications, drill pilot holes slightly smaller than the screw diameter to prevent wood splitting, especially when using the offset screw holes.
- 5. Secure the Hinge:** Attach the hinge using appropriate fasteners (screws, bolts, etc., not included) that are suitable for your mounting surface and application. Ensure all fasteners are tightened securely.
- 6. Check Alignment:** After installation, check the operation of the hinged component (door, gate) to ensure smooth movement and proper alignment.



Figure 3: Example of a strap hinge mounted, illustrating the face mount type.

## OPERATING INSTRUCTIONS

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The National Hardware N128-322 Heavy Strap Hinge operates by allowing rotational movement of the attached component. Simply open or close the door, gate, or other hinged item. The tight pin design ensures consistent movement and can be used for both left-hand and right-hand opening applications.

## MAINTENANCE

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- **Regular Cleaning:** Periodically clean the hinge with a damp cloth to remove dirt, dust, and debris. For galvanized finishes, avoid abrasive cleaners that could damage the protective coating.
- **Lubrication:** If the hinge begins to squeak or stiffen, apply a small amount of silicone-based lubricant to the pin and moving parts. Wipe away any excess lubricant.
- **Inspection:** Regularly inspect the hinge and its fasteners for any signs of wear, corrosion, or loosening. Tighten any loose screws or bolts as needed.
- **Corrosion Protection:** While galvanized, in extremely harsh or coastal environments, an additional protective coating (e.g., clear coat sealant) can extend the lifespan.

## TROUBLESHOOTING

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### **Hinge Squeaks:**

Apply a silicone-based lubricant to the hinge pin and moving parts. Ensure the hinge is clean and free of debris.

### **Hinge is Stiff:**

Check for any obstructions or debris. Lubricate the hinge pin. Ensure the mounting screws are not overtightened, which can restrict movement.

### **Hinged Component (Door/Gate) Sags or is Misaligned:**

Inspect the mounting screws for looseness. Tighten all fasteners. Ensure the mounting surface is stable and not deteriorating. If sagging persists, additional support or re-installation may be required.

### **Signs of Rust/Corrosion:**

While galvanized, extreme conditions can still cause surface rust. Clean the affected area and consider applying a rust-inhibiting paint or clear coat for added protection.

## WARRANTY INFORMATION

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National Hardware products are manufactured to high-quality standards. This product is covered by a warranty. For specific details regarding the terms and conditions of the warranty, please refer to the official National Hardware warranty documentation or contact customer support.



Figure 4: National Hardware offers a Limited Lifetime Warranty and Lifespan™ Warranty on its products.

## SUPPORT

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For further assistance, technical questions, or to report an issue, please visit the official National Hardware website or contact their customer service department. When contacting support, please have your product model number (N128-322) available.



Figure 5: National Hardware has over 120 years of industry experience.