

SENRN SHY307212-87

SENRN 90 Degree Self-Locking Folding Hinge Instruction Manual

Model: SHY307212-87

1. PRODUCT OVERVIEW

The SENRN 90 Degree Self-Locking Folding Hinges are designed to provide a secure and convenient solution for various DIY folding furniture projects, including tables, beds, and workbenches. Crafted from high-quality, rust-resistant alloy steel with a galvanized coating, these hinges offer durability and reliable performance. The self-locking mechanism ensures stability when extended, and the ability to fold flat allows for efficient space-saving.



Image 1.1: Overview of the SENRN 90 Degree Self-Locking Folding Hinges and an example installation.

2. INSTALLATION GUIDE

2.1 Tools Required

- Drill
- Screwdriver (compatible with chosen fasteners)
- Measuring tape or ruler
- Pencil or marker
- Appropriate fasteners (screws, not included)

2.2 Installation Steps

1. **Prepare the Surface:** Ensure the mounting surfaces on your table leg and tabletop are clean, flat, and free from obstructions.
2. **Position the Hinge:** Place the hinge in the desired location on the furniture leg and tabletop. Use a pencil or marker to mark the screw hole positions. Ensure proper alignment for the folding

mechanism.

3. **Drill Pilot Holes:** Carefully drill pilot holes at the marked positions. The size of the pilot holes should be slightly smaller than the diameter of your chosen screws to prevent wood splitting.
4. **Attach the Hinge:** Securely fasten the hinge to both the furniture leg and the tabletop using appropriate screws. Ensure all screws are tightened firmly but do not overtighten.
5. **Test Functionality:** After installation, carefully test the folding and extending mechanism to ensure smooth operation and secure locking.

90 degree self-locking folding hinge



Image 2.1: Hinge installed on a table corner, showing the 90-degree extended position.

90 degree self-locking folding hinge



Image 2.2: Side view of the hinge installed on a table, demonstrating its discreet placement.

3. OPERATION INSTRUCTIONS

The SENRN 90 Degree Self-Locking Folding Hinge features a user-friendly mechanism for extending and folding your furniture.

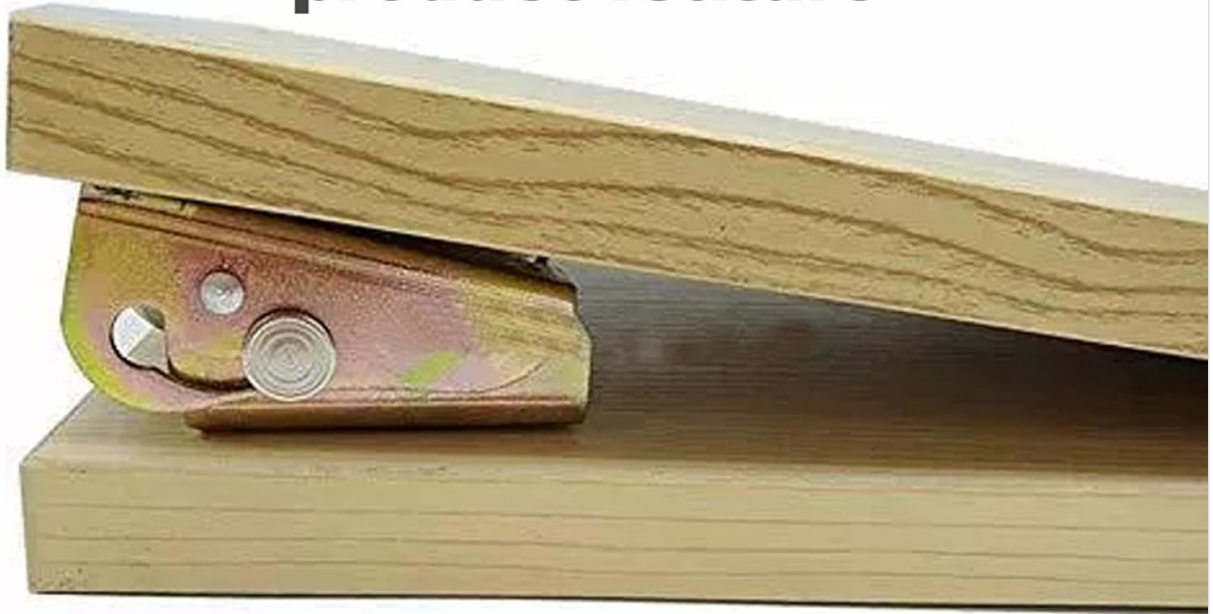
3.1 Extending the Hinge (to 90 Degrees)

To extend the hinge and lock it into the 90-degree open position, simply pull the furniture leg outwards until the hinge clicks into place. The internal spring-locking mechanism will automatically engage, securely holding the leg in the extended position.

3.2 Folding the Hinge (to 0 Degrees)

To fold the hinge flat for storage or space-saving, locate the small release button or latch on the side of the hinge. Press this button firmly, and while holding it, gently push the furniture leg inwards until it folds completely flat (0 degrees). Release the button once the hinge is fully folded.

product feature



Press the release button



Fold 90 to 0 degrees



Zero degree state

Image 3.1: Visual guide to the hinge's folding mechanism.

90 degrees self-locking around optional

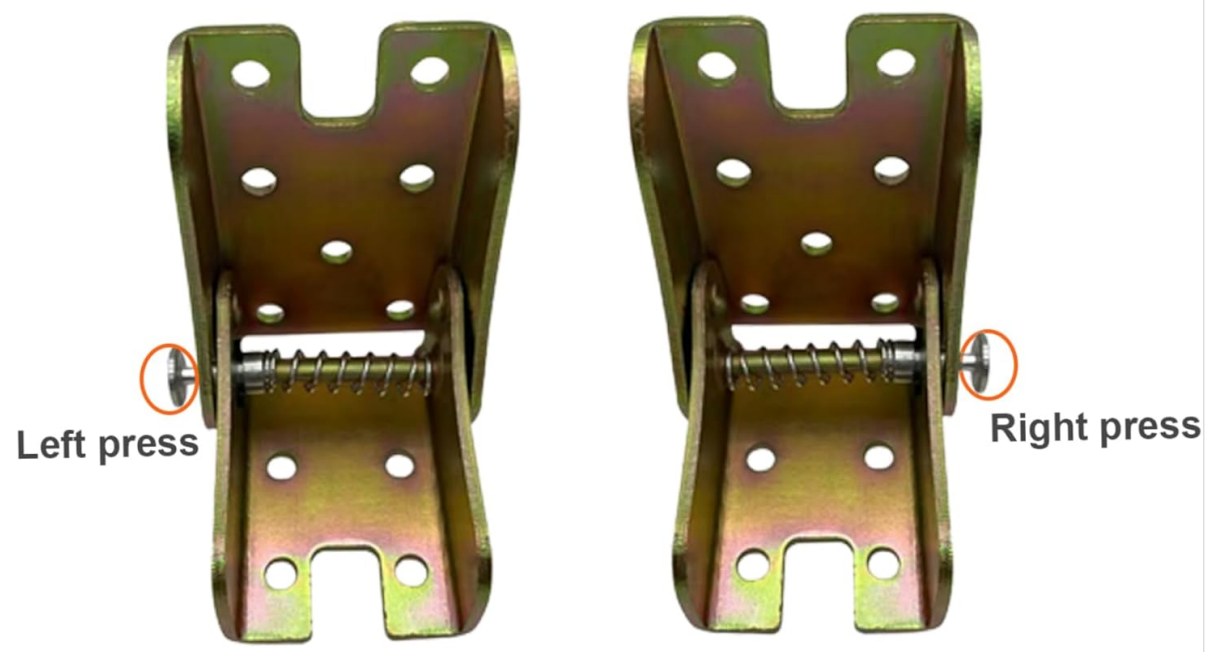


Image 3.2: Details on the release button location and various installed views.



Image 3.3: Illustration of pressing the release pin for folding.

4. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your SENRN folding hinges, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the hinges periodically with a soft, damp cloth to remove dust and debris. Avoid using abrasive cleaners or harsh chemicals, as these can damage the galvanized coating.
- **Lubrication:** If the hinges become stiff or squeaky over time, apply a small amount of silicone-based lubricant to the moving parts and pivot points. Do not use oil-based lubricants that can attract dust.
- **Fastener Check:** Periodically inspect all mounting screws to ensure they remain tight. Loose fasteners can compromise the stability and safety of your folding furniture.
- **Corrosion Prevention:** While the hinges are rust-resistant, prolonged exposure to moisture or harsh environments can still affect them. Store folding furniture in a dry environment when not in use.

5. TROUBLESHOOTING

If you encounter any issues with your SENRN folding hinges, refer to the following common problems and solutions:

- **Hinge Not Locking in 90-Degree Position:**

Possible Cause: Obstruction in the locking mechanism or spring.

Solution: Inspect the hinge for any debris or foreign objects. Ensure the spring mechanism moves freely. If the spring is damaged, the hinge may need replacement.

- **Hinge Stiff or Difficult to Fold/Extend:**

Possible Cause: Lack of lubrication or accumulation of dirt.

Solution: Clean the hinge thoroughly and apply a silicone-based lubricant to the pivot points and spring mechanism.

- **Hinge Feels Loose or Wobbly:**

Possible Cause: Loose mounting screws.

Solution: Tighten all screws securing the hinge to the furniture leg and tabletop. If the screw holes are stripped, consider using larger screws or wood inserts.

- **Hinge Makes Excessive Noise:**

Possible Cause: Friction between moving parts.

Solution: Clean and lubricate the hinge as described in the maintenance section.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	SHY307212-87
Brand	SENRN
Material	Alloy Steel
Finish	Brute (Raw), Galvanized Coating
Color	Golden
Quantity	4 pieces per package
Dimensions (approx.)	6.5 cm x 6 cm x 4.5 cm (2.56 in x 2.36 in x 1.77 in)
Locking Angle	90 Degrees (Extended)
Folding Angle	0 Degrees (Folded Flat)

product size

4pcs

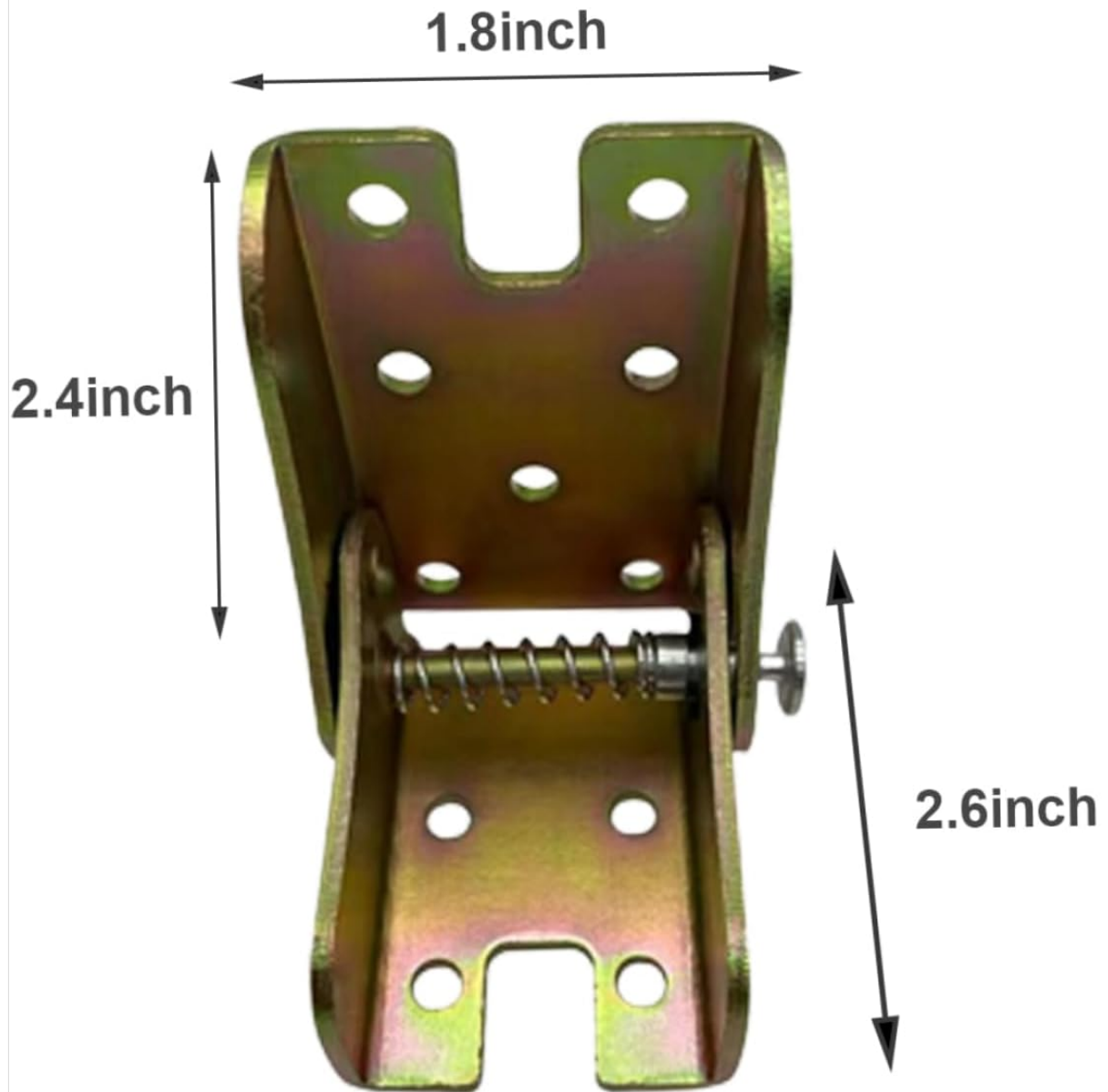


Image 6.1: Product dimensions for the SENRN 90 Degree Self-Locking Folding Hinge.

7. WARRANTY AND SUPPORT

Information regarding product warranty and direct support channels is not available in the provided product details. For any warranty claims, technical assistance, or support inquiries, please contact the seller or retailer from whom you purchased this product.