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## Hoffen LD8053S

# Hoffen LD8053S 4-Step Telescoping Pontoon Boat Ladder User Manual

Model: LD8053S | Brand: Hoffen

## INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of your Hoffen LD8053S 4-Step Telescoping Pontoon Boat Ladder. Please read these instructions thoroughly before installation and use.



Figure 1: Hoffen 4-Step Telescoping Pontoon Boat Ladder, shown in both folded and extended positions.

## SAFETY INFORMATION

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- Always ensure the ladder is securely mounted before use.
- Do not exceed the maximum load capacity of 600 lbs (272.16 kg).
- Exercise caution when boarding or disembarking, especially in wet conditions.
- Regularly inspect the ladder for any signs of wear, damage, or loose fasteners.
- Keep hands and fingers clear of telescoping sections during extension and retraction.

## PACKAGE CONTENTS

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Verify that all components are present before beginning installation.

## Package List



Figure 2: Package List. Includes screws, mounting bracket, 4-step ladder, and two handrails.

- 1x 4-Step Telescoping Ladder Assembly
- 2x Handrails
- 1x Mounting Bracket
- Screws and Fasteners (stainless steel recommended for marine applications)

## SETUP AND INSTALLATION

The Hoffen LD8053S ladder is designed for easy installation on a horizontal platform, such as a boat floor, transom, or side railing. Stainless steel mounting screws are recommended for marine environments.

1. **Select Mounting Location:** Choose a flat, horizontal surface on your boat or dock that can support the ladder and user weight. Ensure there is sufficient clearance for the ladder to extend and retract without obstruction.
2. **Position Mounting Bracket:** Place the mounting bracket (Item 2 in Figure 2) in the desired location. Mark the positions for drilling holes.
3. **Drill Pilot Holes:** Carefully drill pilot holes through the marked positions. Ensure the drill bit size is appropriate for your chosen fasteners.
4. **Secure Mounting Bracket:** Attach the mounting bracket to the platform using appropriate stainless steel

screws and nuts (Item 1 in Figure 2). Ensure the bracket is firmly secured.

5. **Attach Ladder Assembly:** Align the base of the 4-step ladder assembly (Item 3 in Figure 2) with the mounting bracket.
6. **Install Handrails:** Insert the handrails (Item 4 in Figure 2) into the designated slots on the ladder assembly.
7. **Tighten Connections:** Use an Allen wrench to align and tighten all connections, especially where the ladder attaches to the mounting bracket and the handrails are secured. Ensure the fixed base allows for 270° rotation if applicable for your setup.

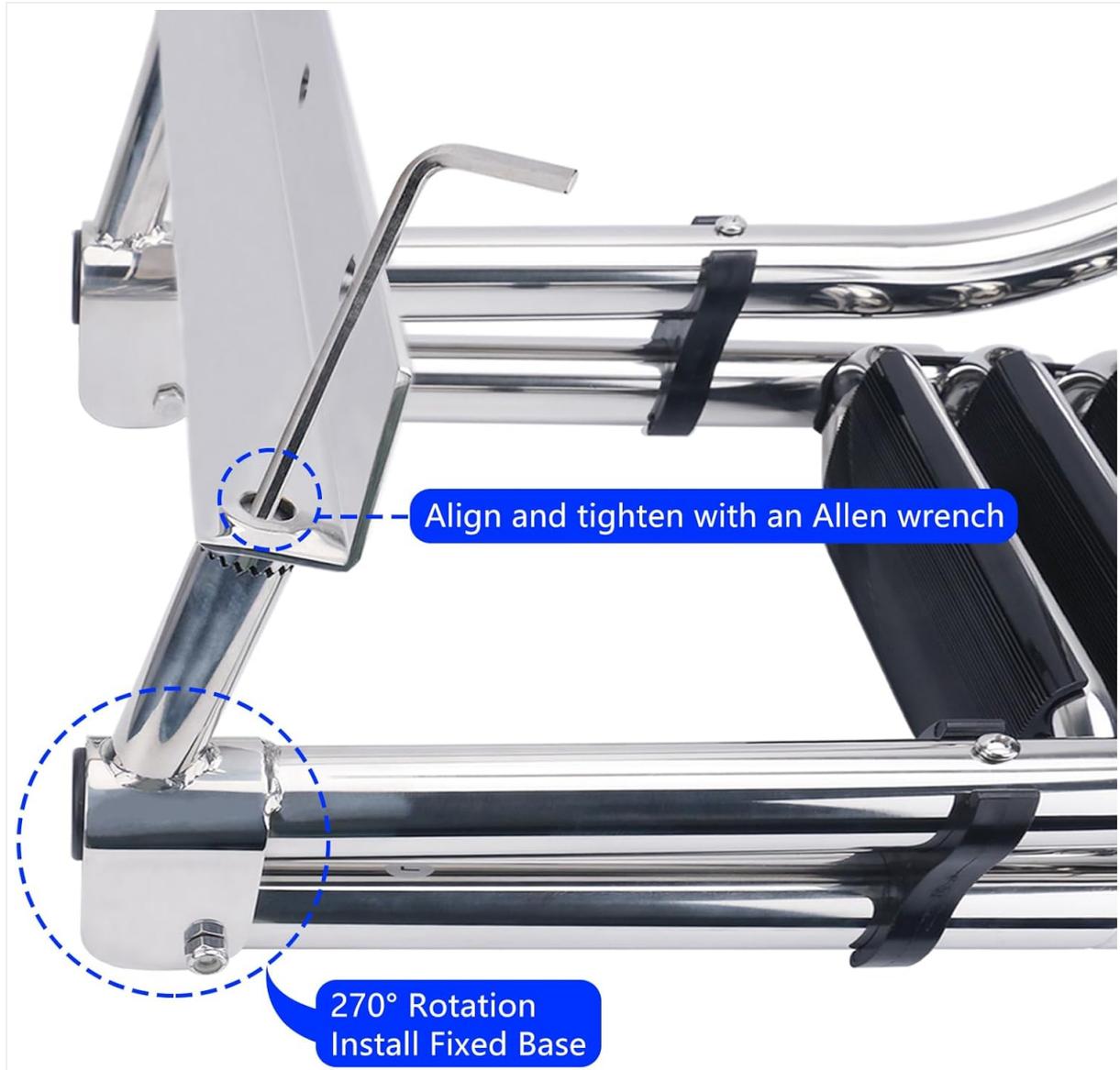


Figure 3: Detail of ladder attachment, showing alignment and tightening points.

After installation, perform a stability check by gently applying weight to the ladder to ensure it is securely fastened and does not wobble.

## OPERATING INSTRUCTIONS

The Hoffen LD8053S ladder features a telescoping design for convenient storage and deployment.



Figure 4: Ladder features including tall handrails and wide anti-slip steps.

1. **Deployment:** To deploy the ladder, release the Velcro strap that secures the steps in the folded position. Gently pull the bottom step downwards until all four steps are fully extended and locked into place.
2. **Boarding:** When boarding, use the tall, comfortable handrails for support. The extra-wide steps with non-slip PVC pads provide secure footing even when wet.
3. **Retraction:** To retract the ladder, push the bottom step upwards, collapsing the telescoping sections. Secure the folded ladder with the Velcro strap to prevent inadvertent deployment and save space.

Easy to fold and keep by attached rubber



**316 Stainless Steel**  
Polishing process, anti-rust and anti-corrosion

Figure 5: Ladder in folded position, secured by an attached rubber strap. Made from 316 Stainless Steel for anti-rust and anti-corrosion.

## MAINTENANCE

Proper maintenance will ensure the longevity and safe operation of your Hoffen boat ladder.

- **Cleaning:** Rinse the ladder with fresh water after each use, especially in saltwater environments, to remove salt, dirt, and debris. Use a mild soap and soft cloth for cleaning if necessary. Avoid abrasive cleaners or harsh chemicals that could damage the stainless steel finish or PVC pads.
- **Inspection:** Periodically inspect all welds, fasteners, and moving parts for signs of corrosion, wear, or damage. Ensure all screws and bolts are tight. Replace any worn or damaged components immediately.
- **Lubrication:** The telescoping sections feature nylon bushings to prevent galling. If movement becomes stiff, a marine-grade lubricant can be applied sparingly to the sliding surfaces.
- **Storage:** When not in use for extended periods, store the ladder in a clean, dry environment, preferably indoors, to further protect it from the elements.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your boat ladder.

- **Ladder is stiff to extend/retract:**

- Ensure no debris is lodged in the telescoping mechanism.
  - Clean the ladder thoroughly with fresh water.
  - Apply a marine-grade lubricant to the sliding surfaces of the telescoping sections.
- **Ladder feels unstable after installation:**
    - Re-check all mounting screws and bolts to ensure they are securely tightened.
    - Verify that the mounting surface is flat and robust enough to support the ladder and user weight.
    - Ensure the ladder is fully extended and locked into position before use.
- **Corrosion appearing on stainless steel:**
    - While made of 316 marine-grade stainless steel, prolonged exposure to harsh conditions without rinsing can lead to surface corrosion. Clean regularly with fresh water and consider using a stainless steel cleaner/polish for marine applications.

## SPECIFICATIONS

Key specifications for the Hoffen LD8053S 4-Step Telescoping Pontoon Boat Ladder:



Figure 6: Detailed product dimensions.

Feature	Specification
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Feature	Specification
Model Number	LD8053S
Material	316 Marine Grade Stainless Steel
Number of Steps	4
Load Capacity	600 lbs (272.16 kg)
Telescopic Length (Min)	368 mm (14.5 inches)
Telescopic Length (Max)	890 mm (35 inches)
Overall Height (Extended)	1220 mm (48 inches)
Overall Height (Folded)	407 mm (16 inches)
Product Dimensions (Folded)	109.22 x 12.67 x 38.86 cm (43 x 5 x 15.3 inches)
Item Weight	8.98 kg (19.8 lbs)
Special Features	Anti-Slip Steps, Foldable, Handrail, Heavy Duty, Telescopic

## WARRANTY INFORMATION

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Specific warranty details for the Hoffen LD8053S Pontoon Boat Ladder are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging, the original purchase documentation, or contact the manufacturer directly.

## CUSTOMER SUPPORT

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If you have any questions, require assistance with installation, or need to report a problem, please contact Hoffen customer support or the retailer from whom you purchased the product.

Manufacturer: Hoffen