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Mophorn Hand Chain Hoist

Mophorn Hand Mini Lever Chain Hoist 0.25T 10FT User Manual

Model: Hand Chain Hoist | Brand: Mophorn

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, setup, and maintenance of your Mophorn Hand Mini Lever Chain Hoist. Designed for lifting and pulling tasks, this hoist features a 0.25-ton (550 lbs) capacity and a 10-foot galvanized chain. Please read this manual thoroughly before use to ensure proper function and user safety.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always inspect the hoist, chain, and hooks for damage or wear before each use. Do not use if any components are compromised.
- Do not exceed the rated lifting capacity of 0.25 tons (550 lbs).
- Ensure the load is properly secured and balanced before lifting.
- Never stand directly under a suspended load.
- Keep hands and clothing clear of moving parts, especially the chain and hooks.
- Do not use the hoist for lifting people or as a personnel hoist.
- Operate the hoist smoothly; avoid sudden jerks or impacts.
- Ensure the mounting point for the hoist is structurally sound and capable of supporting the load.
- Store the hoist in a clean, dry place when not in use.

3. PRODUCT OVERVIEW AND COMPONENTS

The Mophorn Hand Mini Lever Chain Hoist consists of several key components designed for efficient and safe operation.





Figure 1: Main view of the Mophorn Hand Mini Lever Chain Hoist, showing the yellow body, black handle, and two hooks with safety latches. The hoist has a 0.25t capacity rating.

1. **Upper Hook:** Used for attaching the hoist to a secure anchor point. Features a safety latch.
2. **Hoist Body:** Contains the internal gearing and braking mechanism.
3. **Operating Lever/Handle:** Used to engage the lifting/lowering mechanism. Features a non-slip grip.
4. **Chain:** Galvanized steel chain, 10 feet (3 meters) in length, for lifting and pulling.
5. **Lower Hook:** Used for attaching to the load. Features a safety latch and 360° rotation.
6. **Direction Selector:** A knob or lever on the hoist body to select lift, lower, or neutral (free chain) modes.





Figure 2: Close-up view highlighting the operating lever with its non-slip grip and the direction selector mechanism on the hoist body.

4. SPECIFICATIONS

Feature	Detail
Brand	Mophorn
Model Number	Hand Chain Hoist
Lifting Capacity	0.25 Tons (550 lbs)
Chain Length	10 Feet (3 meters)
Material	Alloy Steel
Item Weight	6.78 pounds
Product Dimensions	9.4 x 5.5 x 5.5 inches
Mounting Type	Hook

5. SETUP

- Inspect the Hoist:** Before each use, visually inspect the entire hoist for any signs of damage, wear, or corrosion. Pay close attention to the chain links, hooks, safety latches, and the operating lever. Ensure the chain moves freely.
- Identify a Secure Anchor Point:** Select a structural anchor point capable of safely supporting the hoist and the maximum intended load. This could be a beam, truss, or other certified lifting point.
- Attach the Upper Hook:** Securely attach the hoist's upper hook to the chosen anchor point. Ensure the safety latch is fully closed and engaged. The hook should be seated properly, not on its tip.
- Prepare the Load:** Attach the lower hook to the load. Ensure the load is balanced and the hook is properly seated,

with the safety latch closed. Avoid sharp edges on the load that could damage the chain.

5. **Check Clearance:** Verify that there is sufficient clearance for the load to be lifted or moved without obstruction.

6. OPERATING INSTRUCTIONS

6.1. Lifting a Load

1. **Set Direction:** Locate the direction selector on the hoist body. Move it to the "Lift" or "Up" position.
2. **Engage Lever:** Operate the lever handle with smooth, steady strokes. Each stroke will incrementally lift the load.
3. **Monitor Load:** Continuously observe the load and the hoist during operation. Ensure the load remains stable and the hoist is not straining.
4. **Stop Lifting:** Once the desired height is reached, stop operating the lever. The internal brake will hold the load in position.

6.2. Lowering a Load

1. **Set Direction:** Move the direction selector to the "Lower" or "Down" position.
2. **Engage Lever:** Operate the lever handle with smooth, controlled strokes. The load will descend incrementally.
3. **Control Speed:** The speed of lowering is controlled by the rate and force applied to the lever. Avoid rapid or uncontrolled lowering.
4. **Release Load:** Once the load is safely on the ground or desired surface, disengage the lower hook.

6.3. Free Chain Operation (if applicable)

Some models may feature a free chain mode for quickly adjusting the chain length when no load is applied. Consult your specific model's markings. **Never engage free chain mode with a load attached.**





Figure 3: Side view of the hoist, illustrating the path of the galvanized chain through the mechanism.

7. MAINTENANCE

- **Regular Inspection:** Perform a thorough visual inspection before and after each use. Check for bent or twisted hooks, worn chain links, cracks in the housing, or any loose fasteners.
- **Lubrication:** Periodically lubricate the chain and internal moving parts according to manufacturer recommendations (if available, otherwise use a general-purpose lubricant suitable for chains).
- **Cleaning:** Keep the hoist clean and free of dirt, debris, and corrosive materials. Wipe down the exterior with a clean cloth.
- **Storage:** Store the hoist in a dry, protected environment to prevent rust and damage.
- **Professional Service:** If significant wear or damage is observed, or if the hoist is not operating correctly, discontinue use immediately and seek professional repair or replacement. Do not attempt unauthorized repairs.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hoist not lifting/lowering	Direction selector incorrect; Hoist overloaded; Internal mechanism jammed.	Check direction selector; Reduce load (ensure within capacity); Inspect for obstructions, do not force.
Chain jams or binds	Chain twisted or kinked; Debris in mechanism; Lack of lubrication.	Ensure chain is straight; Clean mechanism; Lubricate chain.
Load slips or drops	Brake failure; Hoist overloaded; Improper hook engagement.	Immediately cease use. Do not attempt to repair. Seek professional inspection/replacement. Ensure hooks are properly latched and load is within capacity.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Mophorn Hand Mini Lever Chain Hoist, please refer to the product packaging or contact Mophorn customer service directly. Keep your purchase receipt as proof of purchase.

Mophorn Customer Service: Please visit the official Mophorn website for contact details.

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