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› YATOINTO Rope Pulley Hoist with Bearing Instruction Manual

YATOINTO Rope Pulley Hoist (UPGRADED-3wheels)

YATOINTO Rope Pulley Hoist with Bearing Instruction Manual

Model: Rope Pulley Hoist (UPGRADED-3wheels)

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your YATOINTO Rope Pulley Hoist with Bearing. This heavy-duty block and tackle system is designed for lifting, lowering, pulling, and tensioning loads up to 2200 lbs (1000 kg) with a 6:1 mechanical advantage. It features a durable diamond braid polypropylene fiber rope, rust-proof zinc-plated housing, metal bearings for smooth operation, and galvanized alloy steel hooks. Please read this manual thoroughly before operation to ensure proper usage and to prevent injury or damage.



Image 1.1: The YATOINTO Rope Pulley Hoist with Bearing, featuring its robust construction and components.

2. SAFETY INFORMATION

Always prioritize safety when operating the pulley hoist. Failure to follow these instructions may result in serious injury or property damage.

- **Maximum Load Capacity:** Do not exceed the rated load capacity of 2200 lbs (1000 kg). The working load limit for the pulley block is 1100 lbs.
- **Secure Attachment Points:** Ensure all attachment points for the hoist and the load are structurally sound and capable of supporting the weight.
- **Inspect Before Use:** Before each use, inspect the rope, hooks, pulleys, and housing for any signs of wear, damage, or corrosion. Do not use if any component is compromised.
- **Proper Rope Seating:** Ensure the rope is correctly seated within the pulley grooves and not twisted or frayed.
- **Clear Work Area:** Keep the area around the lifting operation clear of personnel and obstructions.
- **Controlled Movement:** Lift and lower loads slowly and in a controlled manner. Avoid sudden jerks or drops.

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, such as gloves and safety glasses, during operation.
- **Avoid Side Loading:** Do not apply side loads to the hooks or pulleys, as this can cause damage or failure.
- **Environmental Conditions:** Avoid using the hoist in extreme weather conditions or environments that could compromise its integrity.

3. PRODUCT COMPONENTS

The YATOINTO Rope Pulley Hoist system includes the following main components:

- **Pulley Blocks:** Two blocks, each with multiple metal wheels and integrated metal bearings for smooth operation.
- **Rope:** 50-foot (15.2 m) diamond braid polypropylene fiber rope, 1/4 inch diameter, known for its strength and handling characteristics.
- **Hooks:** Galvanized alloy steel hooks designed to resist rusting and wear, featuring a hook lock mechanism to prevent accidental disengagement.
- **Housing:** Rust-proof zinc-plated housing and steel bolts for enhanced durability and resistance to environmental factors.

REINFORCED AND DURABLE ROPE

**POLYPROPYLENE
FIBERS ROPE**

- **6:1 RATIO LIFTING POWER**
- **ROPE LENGTH: 50 FEET**
- **PASSED 1T RATED
LOAD TENSILE TEST**



Image 3.1: Overview of the main features and components of the pulley hoist, including metal wheels with bearings, polypropylene rope, and galvanized hooks.

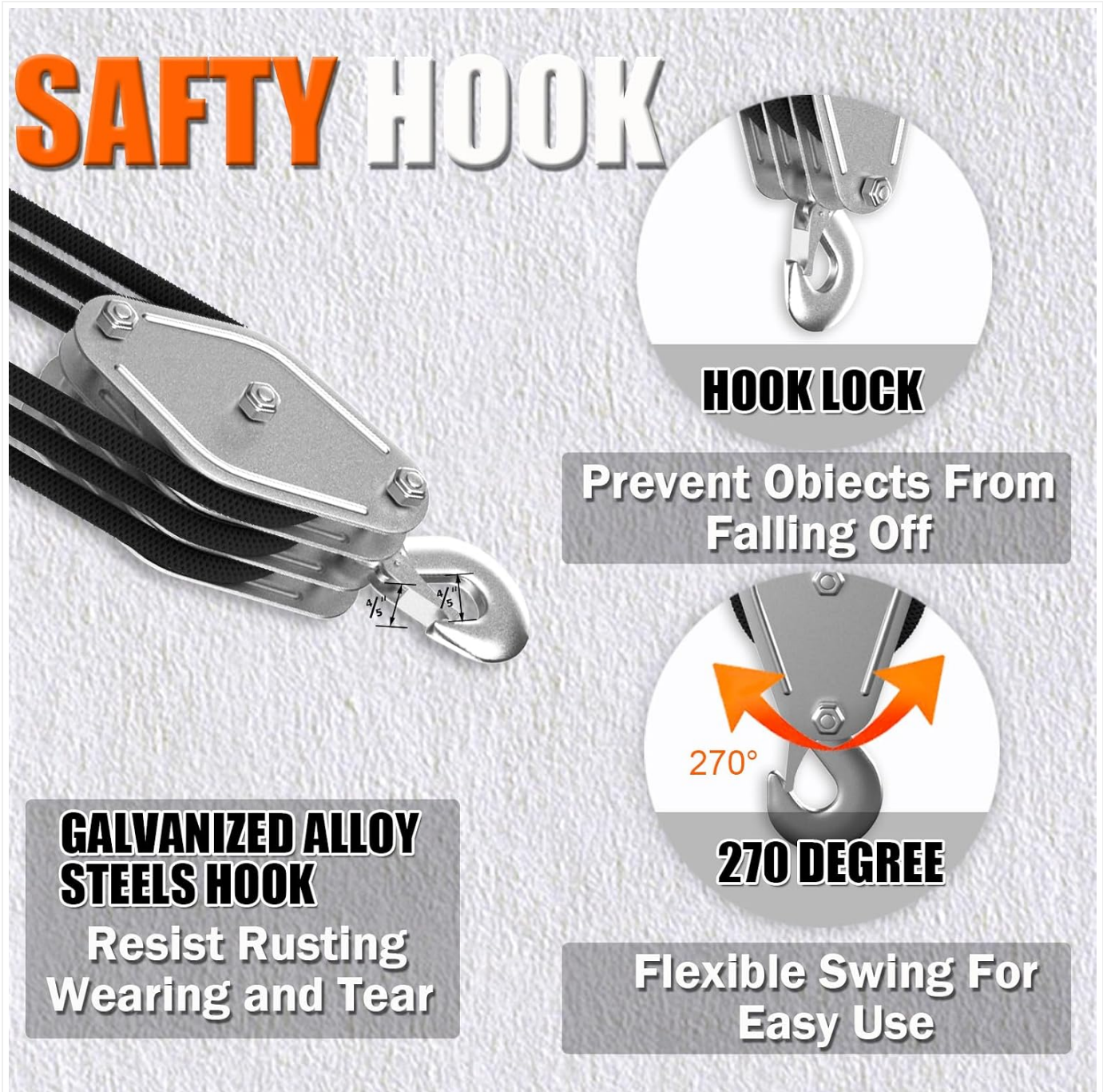


Image 3.2: Close-up of the galvanized alloy steel hook with its integrated lock, designed to prevent objects from falling off and offering a 270-degree swing for flexible use.

SIZE INFORMATION



Image 3.3: The diamond braid polypropylene fibers rope, highlighting its soft, strong, and lightweight characteristics for heavy-duty tasks.

4. SETUP

Follow these steps to set up your YATOINTO Rope Pulley Hoist:

1. **Unpack Components:** Carefully remove all components from the packaging and inspect them for any damage.
2. **Identify Blocks:** The system consists of two pulley blocks. One block typically attaches to a fixed point, and the other to the load.
3. **Attach Fixed Block:** Securely attach one pulley block to a stable overhead support or anchor point using its hook. Ensure the anchor point can safely bear the maximum anticipated load.
4. **Attach Load Block:** Attach the second pulley block to the item you intend to lift. Ensure the load is balanced and the attachment is secure.
5. **Thread the Rope:** The rope should already be threaded through the pulley system. Verify that it is correctly routed through all sheaves (wheels) of both blocks to achieve the 6:1 mechanical advantage. The free end of the rope should be accessible for pulling.

6. **Test System:** Before lifting a heavy load, perform a test lift with a lighter weight to ensure all connections are secure and the system operates smoothly.



Video 4.1: Demonstration of the block and tackle pulley system, showing its components and basic handling. This video illustrates the durable nylon rope and flexible hanging capabilities.

5. OPERATING INSTRUCTIONS

To operate the YATOINTO Rope Pulley Hoist effectively and safely:

1. **Position Yourself:** Stand in a stable position, clear of the load's path.
2. **Pull the Rope:** Grasp the free end of the rope firmly. Pull steadily and smoothly to lift the load. The 6:1 ratio significantly reduces the effort required.
3. **Lowering the Load:** To lower the load, slowly release tension on the rope while maintaining a firm grip. Allow the load to descend gradually.
4. **Securing the Load:** Once the load is at the desired height, secure the free end of the rope to a suitable cleat or anchor point to prevent accidental lowering. Do not rely solely on your grip to hold heavy loads for extended periods.
5. **Avoid Twisting:** Ensure the rope does not twist or tangle during lifting or lowering operations.



Video 5.1: An instructional video demonstrating the operation of the block and tackle system, showcasing its lifting capabilities and ease of use.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your pulley hoist:

- **Cleanliness:** Keep the pulley blocks and rope clean and free from dirt, debris, and corrosive substances. Wipe down metal parts with a clean cloth after use.
- **Lubrication:** Periodically apply a light lubricant to the metal bearings and moving parts of the pulley wheels to maintain smooth operation. Avoid over-lubrication, which can attract dirt.
- **Rope Inspection:** Regularly check the polypropylene rope for fraying, cuts, excessive wear, or kinks. Replace the rope immediately if any damage is found.
- **Hook Inspection:** Inspect hooks for deformation, cracks, or signs of stretching. Ensure the hook lock mechanism functions correctly.
- **Storage:** Store the hoist in a dry, clean environment away from direct sunlight and harsh chemicals when not in use. Coil the rope neatly to prevent tangles.

7. TROUBLESHOOTING

If you encounter issues with your pulley hoist, consider the following:

- **Difficulty Lifting/Lowering:**
 - Check if the load exceeds the maximum capacity.
 - Ensure the rope is correctly threaded through all pulleys and not binding.
 - Inspect pulleys for obstructions or damage. Lubricate bearings if necessary.
- **Rope Fraying/Damage:**

- Immediately cease operation. Replace the rope with a suitable, high-strength replacement.
- Ensure the rope is not rubbing against sharp edges or rough surfaces during use.

• **Hooks Not Securing:**

- Inspect the hook lock mechanism for damage or debris. Clean or repair as needed.
- Ensure the load is properly seated within the hook.

For issues not resolved by these steps, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Max Working Load	2200 lbs (1000 kg)
Pulley Block Load Capacity	1100 lbs
Lifting Power Ratio	6:1
Rope Material	Diamond Braid Polypropylene Fibers
Rope Length	50 ft (15.2 m)
Rope Diameter	1/4 inch
Housing Material	Rust-proof Zinc-Plated
Bearing Type	Metal Bearings
Hook Material	Galvanized Alloy Steel
Item Weight	2.59 pounds
Package Dimensions	6.73 x 5.24 x 4.13 inches



Image 8.1: Detailed size information and dimensions of the YATOINTO Rope Pulley Hoist system.

9. WARRANTY AND SUPPORT

YATOINTO is committed to product quality and customer satisfaction. This pulley system has passed rigorous load tensile tests to ensure reliability.

- **Warranty:** Specific warranty details may vary. Please refer to the product packaging or contact YATOINTO customer service for precise warranty information.
- **Customer Support:** If you have any questions, concerns, or require assistance with your YATOINTO Rope Pulley Hoist, please contact our customer satisfaction team through the retailer's platform or the official YATOINTO website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question