VEVOR SLHLHSYX2T2M

VEVOR Hand Chain Hoist User Manual - 2 Ton Capacity, 7ft Lift

Model: SLHLHSYX2T2M

1. Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your VEVOR Hand Chain Hoist. Please read this manual thoroughly before initial use to ensure proper handling and to prevent injury or damage.

The VEVOR Hand Chain Hoist is designed for lifting and lowering loads up to 4400 lbs (2 tons) with a maximum lift height of 7 feet (2 meters). It features industrial-grade steel construction, a secure hook design, and a reliable mechanical brake system.

Figure 1.1: VEVOR Hand Chain Hoist, showing the main block and the load hook.

2. Safety Information

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

- Always inspect the hoist, chains, and hooks for damage or wear before each use. Do not use if any components are damaged.

- Ensure the hoist is securely attached to a suitable support structure capable of safely holding the maximum load.
- Never exceed the maximum rated lifting capacity of 4400 lbs (2 tons).
- Do not use the hoist to lift people or loads over people.
- Keep hands and clothing clear of moving parts, especially chains and hooks, during operation.
- Ensure the load is balanced and properly secured before lifting.
- Operate the hoist smoothly; avoid sudden jerking or rapid movements.
- Do not leave a suspended load unattended.
- Store the hoist in a dry, clean place when not in use.
- Only qualified personnel should operate and maintain this equipment.

3. Components and Features

The VEVOR Hand Chain Hoist is constructed with durable materials and designed for reliable performance. Key components and features include:

- **Load Chain:** High-quality alloy steel, resistant to corrosion and wear.
- **Hand Chain:** Used to operate the lifting mechanism.
- **Upper Hook:** For attaching the hoist to a support structure.
- **Lower Hook (Load Hook):** Equipped with a security latch and 360° rotation for easy load attachment.
- **Mechanical Brake:** Ensures controlled lifting and lowering, preventing accidental dropping.
- **Steel Shell:** Heavy-duty hardened steel protects internal gears and components.
- **Guide Wheel Groove:** Deepened design for smooth chain operation.
- **Inner Ball Bearings:** Reduce friction and effort during operation.

Figure 3.1: Overview of hoist features, including the 360° rotating hook and lifting specifications.

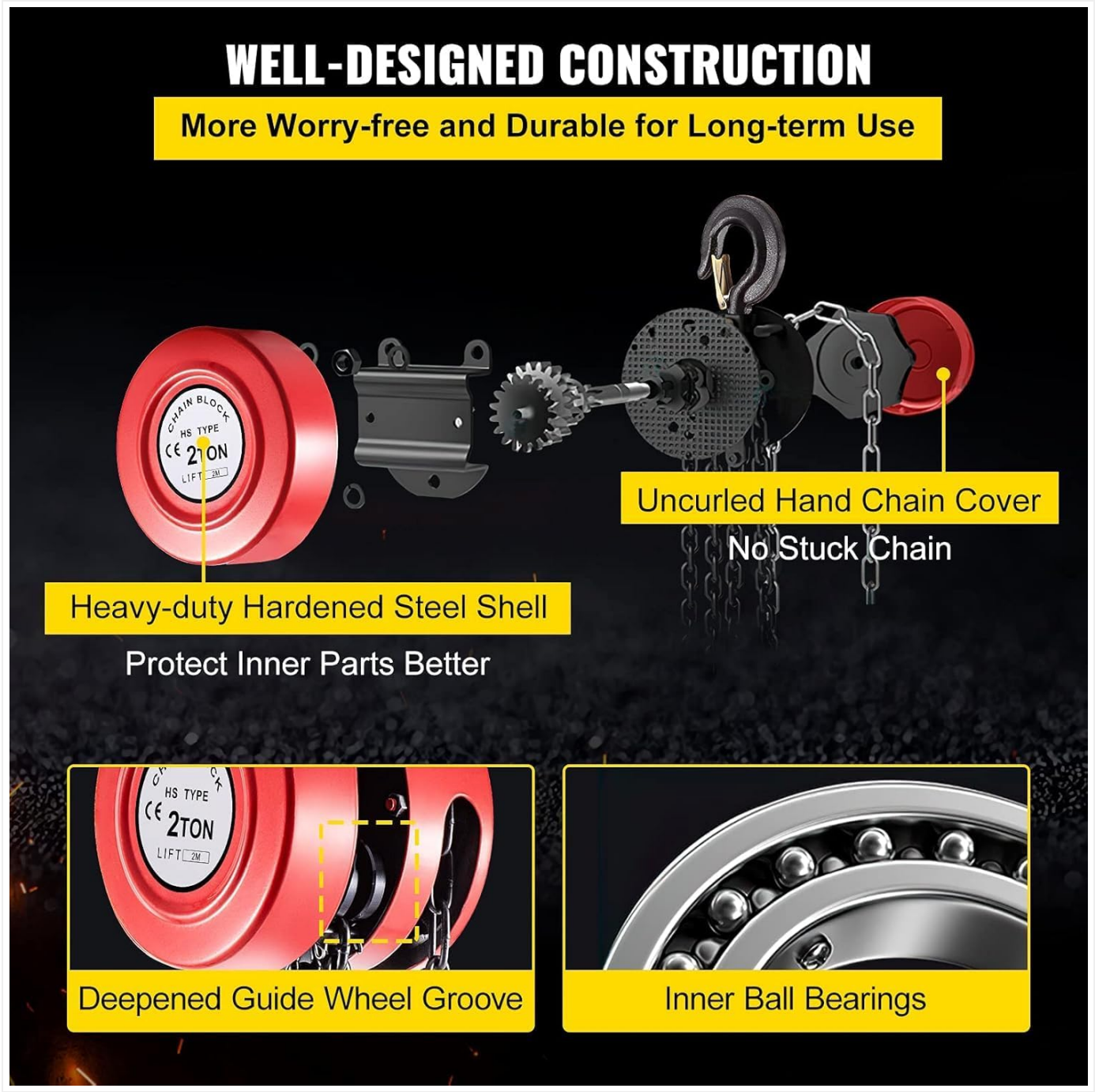

Figure 3.2: Detailed view of the hoist's internal construction, highlighting the hardened steel shell, deepened guide wheel groove, and inner ball bearings.

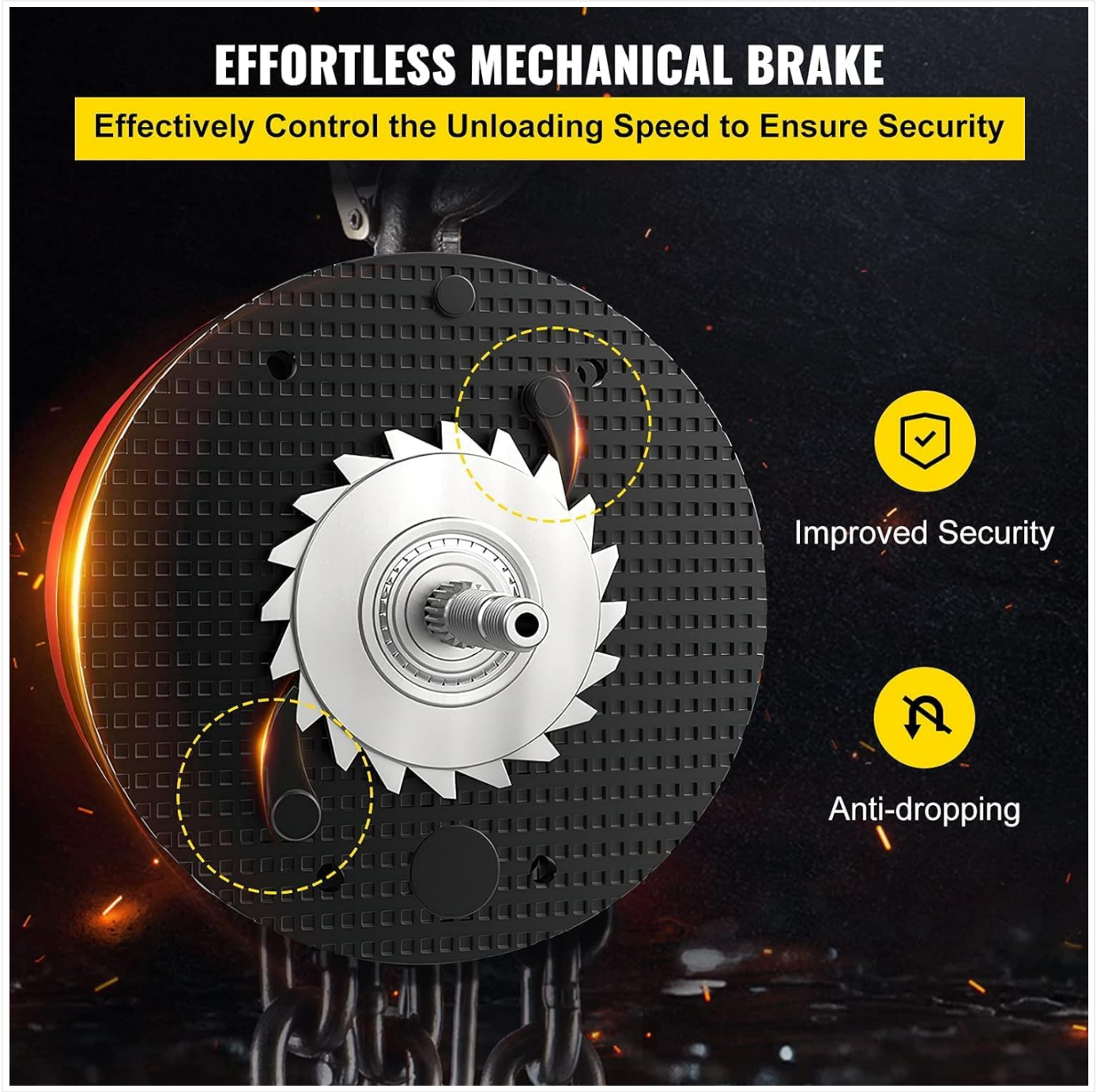

Figure 3.3: Illustration of the mechanical brake system, emphasizing its role in security and preventing accidental drops.

4. Setup and Installation

1. **Unpacking:** Carefully remove the hoist from its packaging. Inspect for any shipping damage.
2. **Mounting Location:** Select a sturdy and appropriate overhead support structure (e.g., I-beam, trolley) that can safely bear the combined weight of the hoist and the maximum intended load. Consult with a structural engineer if unsure.
3. **Attach Upper Hook:** Securely attach the hoist's upper hook to the chosen support structure. Ensure the safety latch on the hook is fully closed.
4. **Pre-Operation Check:** Before lifting any load, perform a thorough inspection as outlined in the Safety Information section. Test the hoist with a light load to ensure smooth operation of both the lifting and lowering mechanisms.

5. Operating Instructions

Follow these steps for safe and effective operation of your VEVOR Hand Chain Hoist:

1. **Attach Load:** Securely attach the load to the lower hook. Ensure the load is centered and balanced. Close the safety latch on the lower hook. If using the provided 1m lifting strap, ensure it is correctly bundled and secured.
2. **Lifting the Load:** Pull the hand chain downwards to lift the load. Pull steadily and smoothly. The mechanical brake will engage automatically to hold the load when you stop pulling.
3. **Lowering the Load:** Pull the other side of the hand chain (typically the side that moves upwards when lifting) to lower the load. Control the speed of descent by the rate at which you pull the chain.
4. **Positioning:** Use the 360° rotating lower hook to easily position the load as needed.
5. **After Operation:** Once the load is safely placed, remove the lower hook. Store the hoist properly.

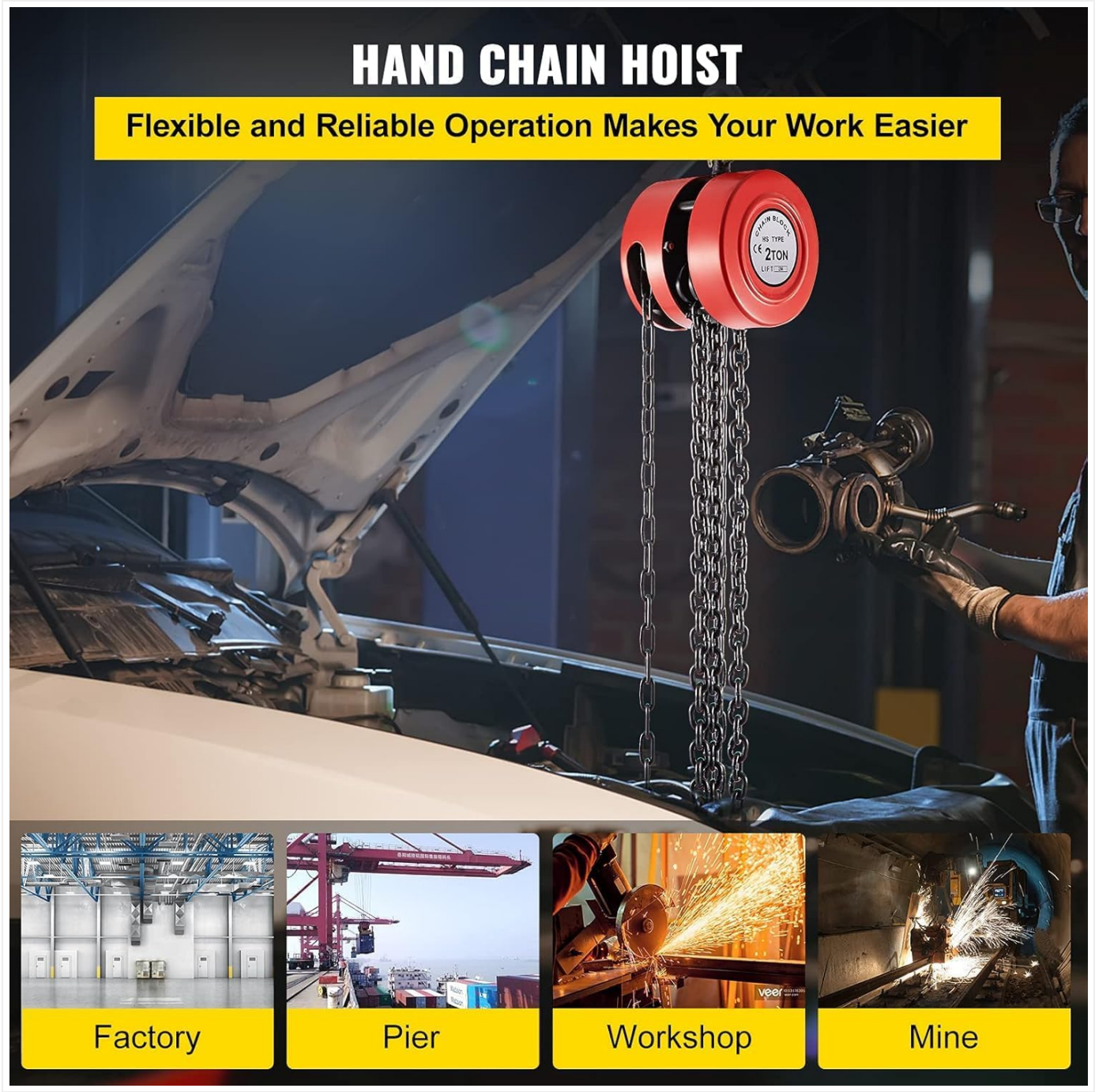

Figure 5.1: Illustrative examples of the hand chain hoist in various industrial and workshop environments.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your hoist.

- **Lubrication:** Periodically lubricate the load chain and internal moving parts with appropriate grease or oil. Refer to a qualified technician for internal lubrication.
- **Cleaning:** Keep the hoist clean and free from dirt, dust, and debris. Wipe down chains and external surfaces.
- **Inspection:** Conduct daily visual inspections of the hooks, chains, and housing for any signs of wear, deformation, cracks, or corrosion. Pay close attention to the safety latches on the hooks.
- **Chain Condition:** Check the load chain for stretched links, nicks, gouges, or twists. Replace damaged chains immediately.
- **Brake System:** Ensure the mechanical brake engages and holds the load securely. If the brake slips, discontinue use and have it inspected by a qualified technician.
- **Storage:** Store the hoist in a dry, protected environment to prevent rust and damage.

Figure 6.1: Illustration of the hoist's high-quality chain, designed for durability and resistance to corrosion and wear.

7. Troubleshooting

Problem	Possible Cause	Solution
Hoist does not lift or lowers with difficulty.	Overload. Chain twisted or jammed. Brake mechanism stuck.	Reduce the load to within capacity. Inspect and untwist/unjam the chain. Have brake inspected by a qualified technician.
Load slips or drops unexpectedly.	Brake failure or wear. Damaged load chain. Improper load attachment.	**Immediately cease use.** Have brake and hoist inspected by a qualified technician. Inspect and replace damaged load chain. Ensure load is properly secured and safety latch is closed.
Hand chain gets stuck.	Chain twisted or misaligned. Debris in the chain guide.	Untwist the hand chain. Clean the chain guide and ensure smooth path.

8. Specifications

Attribute	Detail
Model	VV-RCH-2T2M (SLHLHSYX2T2M)
Material	Steel
Max. Lifting Capacity	4400 lbs / 2 ton
Max. Lifting Height	7 ft / 2 m
Item Weight	18 pounds
Product Dimensions	11 x 7.5 x 6.1 inches
Color	Red
Manufacturer	VEVOR

Figure 8.1: Key product dimensions and weight for the VEVOR Hand Chain Hoist.

9. Warranty and Support

Specific warranty information is not provided in the product details. For warranty claims, technical support, or service inquiries, please contact VEVOR customer service directly through their official website or the retailer where the product was purchased.

You can visit the VEVOR Store for more information:VEVOR Official Store