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## Strongway 3705356

# Strongway Round Chain Electric Hoist

Model: 3705356 | 1-Ton Load Capacity, 9.8ft. Lift

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### 1. PRODUCT OVERVIEW

The Strongway Round Chain Electric Hoist is a robust and efficient lifting solution designed for industrial and home improvement applications. This electric hoist operates on standard 110V power and features a 1-ton (2000 lb) load capacity with a 9.8-foot lift height. It is equipped with a handheld remote control for safe operation from a distance, and integrated safety features such as upper and lower limit switches and a slip clutch for overload protection.





**Figure 1.1:** The Strongway Round Chain Electric Hoist, showcasing its compact design and integrated remote control.

## 2. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this electric hoist. Failure to follow these instructions may result in serious injury or property damage.

### General Safety Precautions:

- **Do not exceed the rated load capacity of 1-ton (2000 lbs).** Overloading can cause hoist failure and severe injury.
- Always inspect the hoist, chain, hooks, and remote control for damage or wear before each use. Do not operate if any components are damaged.
- Ensure the hoist is securely mounted to a structure capable of supporting the hoist's weight plus the maximum rated load.
- Keep hands, feet, and clothing clear of the chain and load during operation.
- Do not use the hoist to lift people or objects over people.
- Ensure the load is balanced and properly secured before lifting.
- Operate the hoist using only the provided remote control. Do not bypass safety features.
- In case of emergency, immediately press the emergency stop button on the remote control.
- Disconnect power to the hoist before performing any maintenance or adjustments.
- Keep children and unauthorized personnel away from the operating area.

## 3. COMPONENTS AND FEATURES

Familiarize yourself with the main components of your Strongway Electric Hoist:



**Figure 3.1:** Key components of the Strongway Electric Hoist, including the main body, chain, hooks, remote control, and chain bag.

- **Hoist Body:** Contains the motor, gear train, and electromagnetic brake.
- **Suspension Hook:** Top hook for attaching the hoist to a trolley or beam clamp.
- **Load Chain:** High-strength chain for lifting loads.
- **Load Hook:** Bottom hook for attaching to the load, designed to swivel 360 degrees for easy rigging.
- **Chain Bag:** Collects excess chain during lifting, keeping it neatly out of the way.
- **Remote Control:** Handheld unit with Up/Down buttons and an emergency stop switch, allowing control from up to 19.68 feet away.
- **Quick-Connect Wiring:** For easy power and push-button control connections.
- **Upper and Lower Limit Switches:** Automatically stop the hoist when the chain reaches its maximum upper or lower travel limits, preventing over-travel.
- **Integrated Slip Clutch:** Ensures continuous duty and tension control, protecting the transmission from overload.

## 4. SETUP AND INSTALLATION

Proper installation is critical for safe and efficient operation.

### Installation Steps:

1. **Choose a Suitable Mounting Point:** The hoist must be mounted to a structure (e.g., I-beam, gantry, or trolley) that can safely support the hoist's weight plus the maximum rated load (1-ton). Consult a structural engineer if unsure.
2. **Attach the Hoist:** Use the suspension hook to securely attach the hoist to your chosen mounting point, such as a trolley or beam clamp. Ensure the hook's safety latch is properly closed.
3. **Connect Power:** The hoist operates on standard 110V power. Connect the power cable to a grounded 110V outlet. The quick-connect wiring simplifies this process.
4. **Connect Remote Control:** Plug the remote control cable into the designated quick-connect port on the hoist.



**Figure 4.1:** The electric hoist securely installed on an overhead beam, ready for operation.



**Figure 4.2:** An example of the hoist in use, demonstrating its lifting capability for heavy objects.

## 5. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective operation of your electric hoist.

### Operating the Hoist:

- 1. Pre-Operation Check:** Before each use, perform a visual inspection of the hoist, chain, hooks, and remote control for any signs of damage, wear, or entanglement. Ensure the power cord is intact.
- 2. Secure the Load:** Attach the load hook securely to the object you intend to lift. Ensure the load is balanced and the hook's safety latch is closed. The heat-treated, drop-forged hooks swivel 360 degrees for easy rigging.
- 3. Lift the Load:** Use the handheld remote control. Press the 'UP' button to raise the load and the 'DOWN' button to lower it. Maintain a safe distance from the load during operation.
- 4. Monitor Load Movement:** Observe the load as it moves to ensure it does not swing or come into contact with obstacles.
- 5. Limit Switches:** The hoist is equipped with upper and lower limit switches that automatically stop the hoist when the chain reaches its maximum travel limits. Do not rely solely on these switches; always monitor the lift.
- 6. Emergency Stop:** In any unsafe situation or emergency, immediately press the large red 'EMERGENCY STOP' button on the remote control. This will cut power to the hoist.
- 7. After Operation:** Once the task is complete, lower the load to a stable surface, disconnect the load hook, and store the hoist in a clean, dry place.



**Figure 5.1:** The handheld remote control with clearly marked 'UP', 'DOWN', and 'EMERGENCY STOP' buttons.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Strongway Electric Hoist.

- **Lubrication:** The gear trains are permanently lubricated for long life and minimal maintenance. No additional lubrication is

typically required for the internal gears.

- **Chain Inspection:** Regularly inspect the load chain for kinks, twists, wear, corrosion, or damage. Replace the chain if any damage is found. Keep the chain clean and lightly lubricated if operating in corrosive environments.
- **Hook Inspection:** Check the load hook and suspension hook for deformation, cracks, or excessive wear. Ensure safety latches operate freely and close properly.
- **Electrical Connections:** Periodically check all electrical connections and wiring for fraying, cuts, or loose connections. Ensure the quick-connect wiring is secure.
- **Chain Bag:** Ensure the chain bag is securely attached and free of tears, as it helps protect the chain and keeps it out of the way.
- **Cleaning:** Keep the hoist body clean and free of dust and debris. Do not use high-pressure water or solvents that could damage electrical components.
- **Storage:** When not in use, store the hoist in a dry, clean environment, protected from extreme temperatures and moisture.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Hoist does not operate.	No power supply. Emergency stop button engaged. Loose electrical connection. Overload protection activated.	Check power outlet and circuit breaker. Release the emergency stop button by twisting it. Check all quick-connect wiring. Reduce the load; the slip clutch may have engaged. Allow motor to cool.
Hoist stops during operation.	Upper/lower limit switch activated. Overload protection activated. Motor overheating.	Move the load away from the limit switch. Reduce the load. The integrated slip clutch protects against overload. Allow the motor to cool down before resuming operation.
Chain is jammed or tangled.	Improper chain storage. Obstruction in chain path.	Lower the load, clear any obstructions, and carefully untangle the chain. Ensure chain is properly seated in the chain bag.
Unusual noise during operation.	Worn components. Lack of lubrication (rare for internal gears).	Discontinue use immediately. Contact qualified service personnel for inspection and repair.

If the problem persists after attempting these solutions, contact Strongway customer support or a qualified technician.

## 8. TECHNICAL SPECIFICATIONS

Detailed specifications for the Strongway Round Chain Electric Hoist.

Attribute	Value
Manufacturer	Strongway
Part Number	3705356
Item Weight	66.4 pounds
Package Dimensions	20.5 x 14.5 x 10.5 inches

Attribute	Value
Material	Steel
Voltage	110 Volts
Load Capacity	1-Ton (2000 lbs)
Lift Height	9.8 feet
Control Cable Length	19.68 feet
Date First Available	January 29, 2019

## 9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to order replacement parts, please contact Strongway customer support. Refer to your purchase documentation for specific warranty terms and conditions.

You may also find additional resources and contact information on the official Strongway website or through the retailer where the product was purchased.

A PDF version of the user manual is available for download:[Strongway Electric Hoist User Manual \(PDF\)](#)

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This manual is for informational purposes only. Strongway reserves the right to make changes to products and specifications at any time without notice.

### Related Documents - 3705356

	<p><a href="#">Strongway 1100-Lb. Single-Line/2200-Lb. Double-Line Capacity Electric Hoist Owner's Manual</a>  Owner's manual for the Strongway 1100-Lb. Single-Line/2200-Lb. Double-Line Capacity Electric Hoist, covering intended use, safety instructions, operation, maintenance, troubleshooting, parts, and warranty.</p>
	<p><a href="#">Strongway 1100-Lb./2200-Lb. Electric Hoist Owner's Manual and Safety Guide</a>  Comprehensive owner's manual and safety guide for the Strongway 1100-Lb. Single-Line/2200-Lb. Double-Line Capacity Electric Hoist, covering intended use, specifications, safety precautions, operation, maintenance, and warranty.</p>

 <p><b>STRONGWAY</b> 4400-Lb. Capacity Pallet Jack OWNER'S MANUAL</p> <p><b>WARNING:</b> PROPERLY ASSEMBLED AND OPERATED THIS EQUIPMENT IS SAFE AND RELIABLE. DO NOT USE EQUIPMENT UNASSEMBLED OR OPERATED IN A MANNER NOT IN ACCORDANCE WITH THESE INSTRUCTIONS.</p> <p>Item# 46233</p>	<p><a href="#"><b>Strongway 4400-Lb. Capacity Pallet Jack Owner's Manual</b></a></p> <p>This manual provides assembly, operation, maintenance, and troubleshooting instructions for the Strongway 4400-Lb. Capacity Pallet Jack. It includes safety warnings, parts diagrams, and warranty information.</p>
 <p><b>STRONGWAY</b> 2.5-TON HYDRAULIC ALUMINUM/STEEL RACE JACK OWNER'S MANUAL</p> <p><b>WARNING:</b> PROPERLY ASSEMBLED AND OPERATED THIS EQUIPMENT IS SAFE AND RELIABLE. DO NOT USE EQUIPMENT UNASSEMBLED OR OPERATED IN A MANNER NOT IN ACCORDANCE WITH THESE INSTRUCTIONS.</p> <p>Item# 46229</p>	<p><a href="#"><b>Strongway 2.5-Ton Hydraulic Aluminum/Steel Race Jack Owner's Manual</b></a></p> <p>Comprehensive owner's manual for the Strongway 2.5-Ton Hydraulic Aluminum/Steel Race Jack (Item# 46229), covering safety guidelines, operating instructions, assembly, maintenance, troubleshooting, and parts lists.</p>
 <p><b>STRONGWAY</b></p>	<p><a href="#"><b>Strongway Hand Winch Stacker Owner's Manual</b></a></p> <p>Comprehensive owner's manual for the Strongway Hand Winch Stacker (Item #61134), detailing intended use, safety precautions, assembly instructions, operating procedures, maintenance, troubleshooting, and warranty information.</p>
 <p><b>STRONGWAY</b> 2.5 TON TROLLEY JACK WITH 360° HANDLE OWNER'S MANUAL</p> <p><b>WARNING:</b> PROPERLY ASSEMBLED AND OPERATED THIS EQUIPMENT IS SAFE AND RELIABLE. DO NOT USE EQUIPMENT UNASSEMBLED OR OPERATED IN A MANNER NOT IN ACCORDANCE WITH THESE INSTRUCTIONS.</p> <p>Item# 46235</p>	<p><a href="#"><b>Strongway 2.5 Ton Trolley Jack Owner's Manual</b></a></p> <p>Owner's manual for the Strongway 2.5 Ton Trolley Jack with 360° Handle. Includes safety instructions, technical specifications, assembly, operation, maintenance, troubleshooting, and warranty information.</p>