Strongway 4584154

Strongway Electric Cable Hoist Instruction Manual

Model: 4584154

1. Important Safety Information

Read and understand all safety warnings and instructions before operating this electric cable hoist. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate the hoist in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** The hoist must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug in any way. Avoid body contact with grounded surfaces.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear. Do not overreach. Keep proper footing and balance at all times.
- **Hoist Use and Care:** Do not exceed the hoist's rated capacity (1100 lbs single line, 2200 lbs double line). Do not use the hoist for lifting people or for purposes other than its intended use. Inspect the hoist, cable, and hooks before each use for signs of damage or wear. Do not operate if damaged.
- **Emergency Stop:** Familiarize yourself with the emergency stop button on the control pendant. In case of an emergency, press the red button immediately to stop all hoist operations.

2. Product Overview and Components

The Strongway Electric Cable Hoist is designed for efficient lifting of heavy loads in various applications. It features a robust motor, durable steel cable, and a user-friendly control pendant.



Figure 2.1: Overall view of the Strongway Electric Cable Hoist, showing the main unit, power cord, control pendant, and lifting hook assembly. This image illustrates the hoist mounted on a beam.



Figure 2.2: Detail of the hoist's powerful 2.15 HP motor, highlighting its robust construction for reliable operation.



Figure 2.3: Illustration of the hoist's versatile lifting capacities: 1100 lbs for single-line operation and 2200 lbs for double-line operation, achieved by re-routing the cable through the included pulley block.

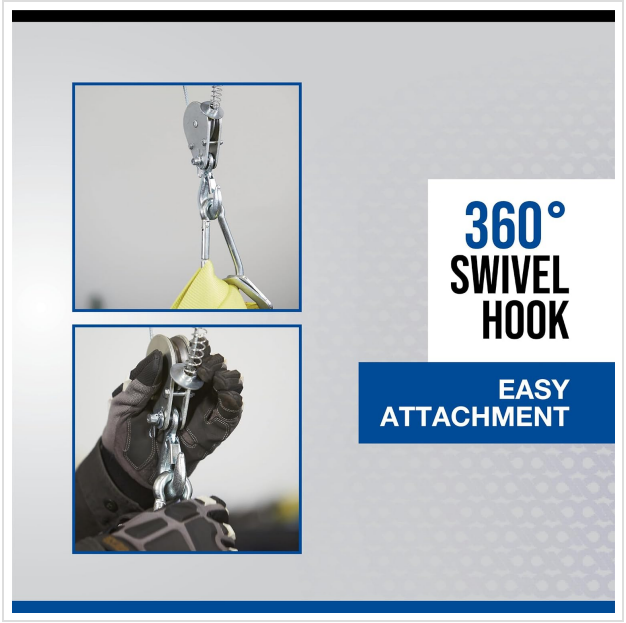


Figure 2.4: Detailed view of the 360° swivel hook, designed for easy attachment and removal of loads from any angle, enhancing operational flexibility.



Figure 2.5: The control pendant featuring the prominent red emergency stop button, which provides enhanced safety by allowing immediate cessation of hoist movement.

3. Specifications

Feature	Specification
Model Number	4584154
Single-Line Capacity	1100 lbs
Double-Line Capacity	2200 lbs
Single-Line Lift Height	38 ft
Double-Line Lift Height	19 ft
Single-Line Lift Speed	Up to 33 FPM
Double-Line Lift Speed	Up to 16.5 FPM
Motor	120V/60 Hz, 2.15 HP
Duty Cycle	10-minute at 20%
Item Weight	70 pounds
Package Dimensions	22 x 14.5 x 10 inches

4. Setup and Installation

Proper installation is crucial for safe and effective operation of your Strongway Electric Cable Hoist.

4.1 Mounting the Hoist

The hoist must be securely mounted to a structural support capable of safely handling the maximum rated load plus the weight of the hoist itself. Use appropriate mounting hardware (not included) for your specific application.

1. Identify a suitable overhead beam or structure that can support the hoist and its maximum load.

2. Attach the hoist securely using appropriate beam clamps or mounting brackets. Ensure all fasteners are tightened to the manufacturer's specifications.
3. Verify that the hoist is level and stable after mounting.

4.2 Electrical Connection

Connect the hoist to a grounded 120V/60Hz power outlet. Ensure the circuit can handle the hoist's power requirements (2.15 HP motor).

1. Ensure the power outlet is properly grounded.
2. Plug the hoist's power cord into the grounded outlet.
3. Do not use extension cords unless absolutely necessary, and if used, ensure they are rated for the hoist's power requirements and are in good condition.

5. Operating Instructions

Before operating, ensure the hoist is properly installed and all safety checks have been performed.

5.1 Single-Line Operation (1100 lbs capacity)

For loads up to 1100 lbs, use the hoist in single-line configuration.

1. Ensure the cable is directly attached to the main hook assembly, bypassing the pulley block.
2. Attach the load securely to the hook. Ensure the load is balanced and properly secured.
3. Use the control pendant to raise or lower the load. Press the "Up" arrow to raise and the "Down" arrow to lower.
4. Operate the hoist smoothly, avoiding sudden starts or stops.



Figure 5.1: An operator using the hoist in a single-line configuration to lift a heavy object, demonstrating the hoist's high performance and ease of use for lifting up to 38 feet.

5.2 Double-Line Operation (2200 lbs capacity)

For loads between 1100 lbs and 2200 lbs, configure the hoist for double-line operation using the pulley block.

1. Route the cable through the pulley block, then attach the end of the cable back to the hoist body or a designated anchor point on the hoist. This creates a double line.
2. Attach the load securely to the hook on the pulley block.
3. Operate the hoist using the control pendant as described for single-line operation. Note that the lifting speed will be halved (up to 16.5 FPM) and the maximum lift height will be 19 ft in this configuration.

5.3 Emergency Stop

In case of any malfunction, unexpected movement, or unsafe condition, immediately press the large red emergency stop button on the control pendant. This will cut power to the hoist and stop all movement.

6. Maintenance

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

- **Before Each Use:** Inspect the steel cable for fraying, kinks, or damage. Check the hook for deformation, cracks, or wear. Ensure the safety latch on the hook operates freely. Verify all electrical connections are secure and the power cord is undamaged.
- **Monthly:** Lubricate moving parts as indicated in the product diagram (if available) or as per general hoist maintenance practices. Clean the hoist exterior to prevent dust and debris buildup.
- **Cable Replacement:** If the steel cable shows significant wear or damage, it must be replaced by a qualified technician using an identical replacement cable. Do not attempt to repair a damaged cable.
- **Motor and Gearbox:** These components are generally sealed and require no user maintenance. Refer to a qualified service center for any issues.

7. Troubleshooting

This section addresses common issues you might encounter with your hoist.

Problem	Possible Cause	Solution
Hoist does not operate	No power; Emergency stop engaged; Overload protection tripped.	Check power connection; Release emergency stop button by twisting; Reduce load and allow motor to cool.
Hoist operates slowly or struggles	Overload; Low voltage; Motor overheating.	Reduce load; Check power supply; Allow motor to cool down.
Unusual noise during operation	Lack of lubrication; Damaged internal components.	Lubricate moving parts (if accessible); Discontinue use and contact customer support.
Cable fraying or damage	Wear and tear; Improper use.	Immediately cease operation and replace cable with an identical one by a qualified technician.

8. Customer Support

For technical assistance, parts, or warranty information, please contact Strongway customer support. Have your model number (4584154) and purchase date ready when contacting support.
You can visit the official Strongway store for more information:Strongway Store on Amazon

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