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Lonsge 1000 lb. Capacity Synthetic Rope

Lonsge Portable Drill Winch Instruction Manual

Model: 1000 lb. Capacity Synthetic Rope

Brand: Lonsge

1. INTRODUCTION

The Lonsge Portable Drill Winch is a versatile and powerful tool designed for various lifting and dragging tasks. This manual provides essential information for the safe and effective operation, maintenance, and care of your drill winch. Featuring a durable synthetic rope and a robust design, it offers reliable performance for both horizontal pulling and vertical lifting applications.



Figure 1: Front view of the Lonsge Portable Drill Winch with synthetic rope.

2. KEY FEATURES

- **Synthetic Rope:** Equipped with a 40-foot (12.2 m) 6/31" (5mm) synthetic rope, which is lighter, more flexible, and resistant to corrosion compared to traditional steel wire ropes.
- **High Capacity:** Capable of pulling over 1000 pounds horizontally and up to 1000 pounds vertically.
- **Wide Application Scope:** Suitable for various scenarios including towing vehicles, hauling goods, and tightening ropes, even in complex environments like rain, snow, or saltwater.
- **Free-Spool Clutch:** Features a free knob for easy disengagement (unlocking) and engagement (locking) of the clutch lever, allowing flexible control of the rope.
- **360° Rotatable Hook:** The hook can rotate 360 degrees, preventing rope entanglement and allowing for flexible direction changes during operation.
- **Winch Drum Viewing Window:** A transparent window allows observation of the internal rope stranding and usage.
- **Standard Drill/Driver Shaft:** Powered by a standard 5/16" drill/driver (non-impact), making it highly portable and convenient.



Figure 2: Key features of the Lonsge Portable Drill Winch.

Synthetic Rope VS Steel Cable

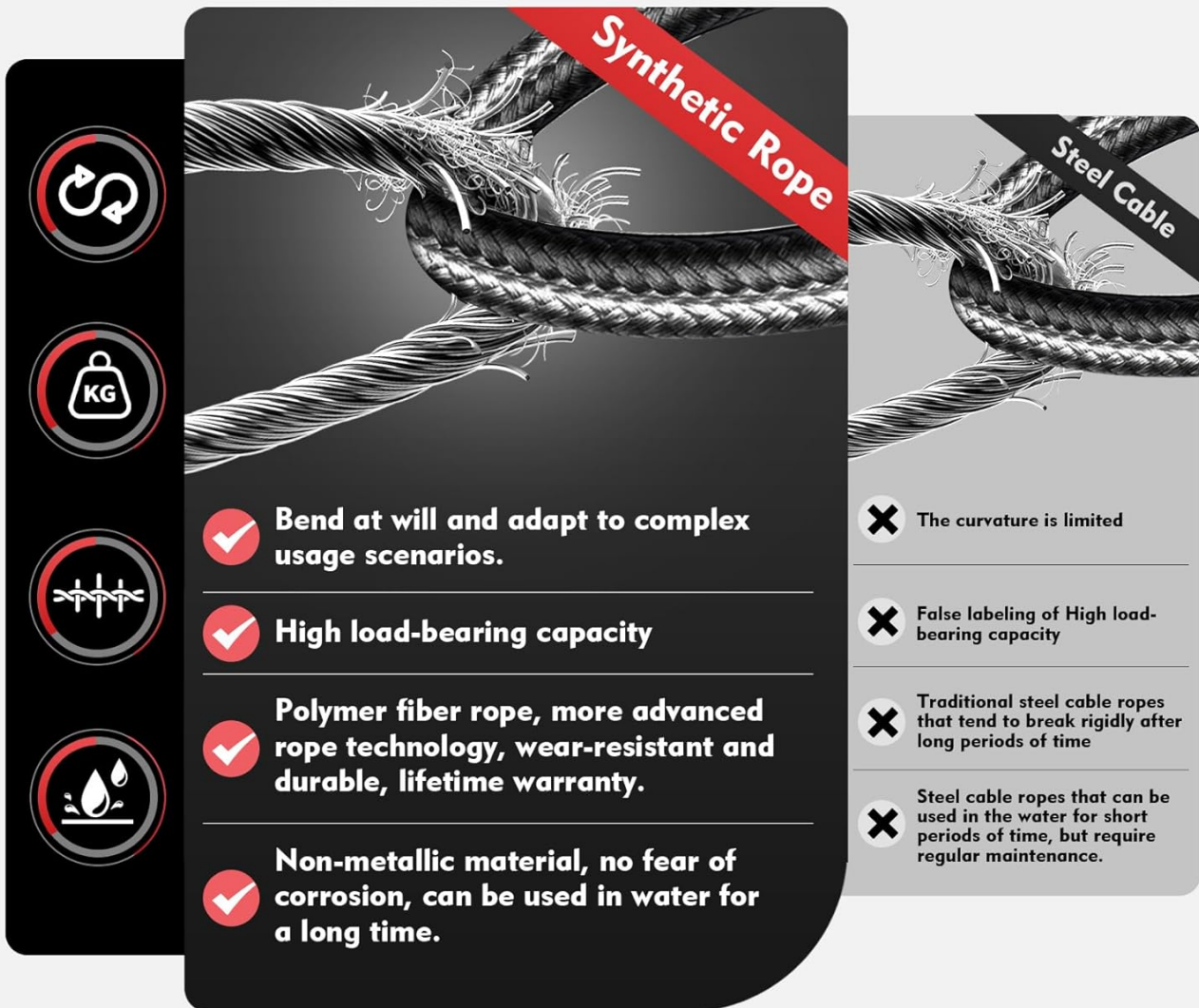
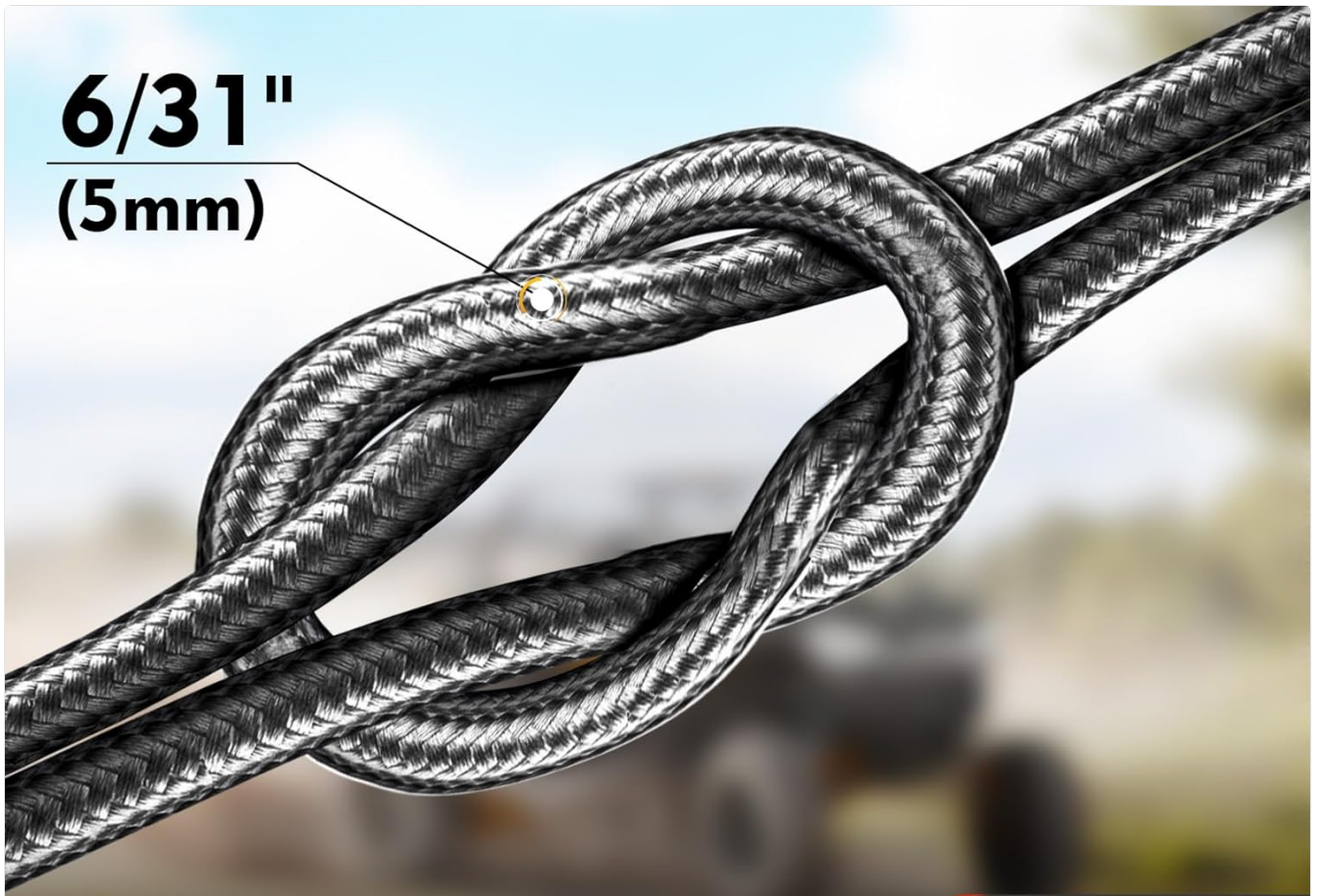


Figure 3: Advantages of synthetic rope over steel cable, including flexibility and corrosion resistance.

3. SETUP

1. **Unpack and Inspect:** Carefully remove the drill winch from its packaging. Inspect all components for any signs of damage. Ensure the synthetic rope is properly spooled and free from kinks or fraying.
2. **Prepare Your Drill:** Use a standard 5/16" drill/driver (non-impact). Ensure your drill is fully charged and in good working condition.
3. **Attach Drill:** Insert the drill shaft of the winch into the chuck of your drill. Tighten the chuck securely to prevent slippage during operation.
4. **Secure the Winch:** Before operation, ensure the winch is securely anchored to a stable point. Use appropriate straps or chains to prevent movement during pulling or lifting.
5. **Prepare the Load:** Attach the winch hook to the item you intend to pull or lift. Ensure the connection is secure and the load is balanced.

6/31"
(5mm)



▼ **Synthetic Rope** **Polymer fiber rope**

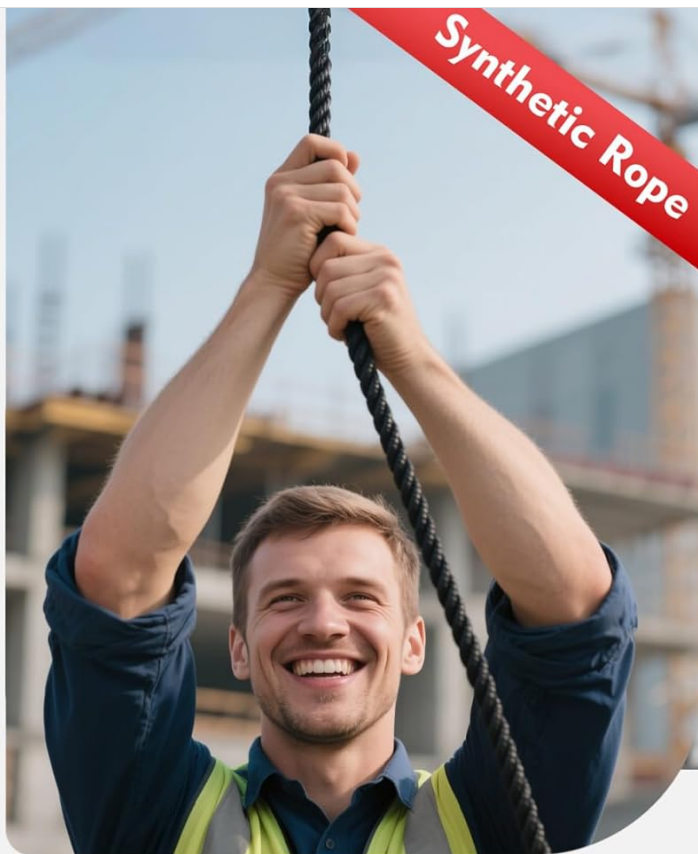
The rope material is made of
polymer fiber material.

6/31" (5mm) synthetic rope



**Flexible and easy-
to-use**

Figure 4: The 5mm synthetic rope, designed for strength and flexibility.



much lighter

Use in a more flexible way
without worrying about
injuries.



much heavier

It may be scratched by the
steel cable during use.

Figure 5: Synthetic rope is significantly lighter than steel cable, enhancing portability and safety.

4. OPERATING INSTRUCTIONS

1. **Engage the Clutch:** To engage the clutch and prepare for pulling, pull out the free knob and turn it counter-clockwise until it fully locks. This ensures the rope is securely engaged for operation.
2. **Begin Operation:** With the drill attached and the clutch engaged, slowly activate your drill to begin pulling or lifting the load. Maintain a steady and controlled speed.
3. **Monitor Rope:** Observe the rope through the winch drum viewing window to ensure it is spooling correctly and not binding.
4. **Disengage for Free-Spool:** To allow the rope to free-spool (unwind freely), pull out the free knob and turn it clockwise. This unlocks the clutch, enabling manual rope adjustment or quick release when the load is not under tension.
5. **Safety First:** Always ensure the area is clear of obstructions and bystanders. Do not exceed the winch's rated capacity.

Video 1: Demonstration of the Portable Drill Winch in operation, showcasing its ease of use for lifting and pulling tasks.

5. MAINTENANCE

- **Rope Inspection:** Regularly inspect the synthetic rope for any signs of wear, fraying, cuts, or damage. Replace the rope immediately if any damage is observed.
- **Cleaning:** Clean the winch and rope after each use, especially if exposed to dirt, mud, or saltwater. Synthetic ropes are resistant to corrosion, but cleaning helps prolong their lifespan.
- **Storage:** Store the drill winch in a dry, clean place away from direct sunlight and extreme temperatures. Ensure the rope is neatly spooled before storage.
- **Lubrication:** Periodically check for any moving parts that may require lubrication, following general best practices for mechanical tools.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Winch not pulling/lifting	Clutch not engaged; Drill battery low; Drill not properly attached; Load exceeds capacity.	Ensure clutch is fully locked (counter-clockwise knob turn); Recharge/replace drill battery; Securely attach drill to winch shaft; Reduce load to within rated capacity.
Rope tangling/binding	Improper spooling; Obstruction in rope path; Hook not rotating freely.	Ensure rope spools evenly; Clear any obstructions; Check 360° rotatable hook for free movement.
Winch making unusual noises	Internal component issue; Lack of lubrication.	Discontinue use and inspect for visible damage; Consult manufacturer for repair if necessary.

7. SPECIFICATIONS

Attribute	Detail
Brand	Lonsge
Model Style	1000 lb. Capacity Synthetic Rope
Manufacturer	yookoo
Item Weight	13.22 pounds
Package Dimensions	12 x 11 x 11 inches
Rope Type	Synthetic Rope (40 ft / 12.2 m of 5mm)

Attribute	Detail
Max Horizontal Pull	Over 1000 lbs
Max Vertical Lift	1000 lbs
Power Source	Electric Drill Power (5/16" shaft)
Batteries Included?	No
Batteries Required?	No
ASIN	B0CF957VXD
Date First Available	August 10, 2023

8. WARRANTY AND SUPPORT



Lonsge offers a hassle-free shopping experience with dedicated customer support. If you encounter any issues with your product within one year of purchase, please contact us via email. We are committed to responding within twenty-four hours and providing support for repair. Your satisfaction is our priority.


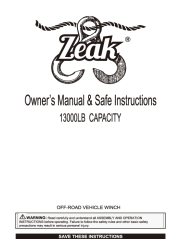


For further assistance, please refer to the contact information provided with your purchase or visit the official Lonsge store page on Amazon.

Note: This warranty information is based on the provided product details and may be subject to change by the manufacturer. Always refer to the official warranty documentation included with your product.

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Related Documents - 1000 lb. Capacity Synthetic Rope

 <p>X-BULL Installation Instructions 13000/10000lb Synthetic Rope</p> <p>Electrical Connection</p> <p>The first step in your project is to make sure you have the correct electrical connection. Please follow the steps below to ensure you have the correct electrical connection.</p> <ol style="list-style-type: none"> 1. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 2. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 3. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 4. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 5. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 6. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 7. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 8. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 9. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 10. Make sure you have the correct electrical connection. The correct connection is a 12V DC power source. 	<p>X-BULL 13000/10000lb Winch Installation Instructions</p> <p>Installation guide for X-BULL electric winches, including 13000lb, 10000lb, and XPV 14500 LBS models. Covers electrical connections, control box setup, and operational advice for synthetic rope winches.</p>
 <p>SuperATV WN-12000 Winch Guide: Installation, Operation, and Safety</p> <p>Comprehensive guide for the SuperATV WN-12000 Winch, covering installation, wiring, operation, safety precautions, troubleshooting, and maintenance. Features detailed performance data and component explanations.</p>	<p>SuperATV WN-12000 Winch Guide: Installation, Operation, and Safety</p> <p>Comprehensive guide for the SuperATV WN-12000 Winch, covering installation, wiring, operation, safety precautions, troubleshooting, and maintenance. Features detailed performance data and component explanations.</p>

	<p>SuperATV EWX4500A Winch Operating Manual</p> <p>Comprehensive operating manual for the SuperATV EWX4500A 4500 lbs winch. Includes installation, wiring, safety precautions, operation, troubleshooting, and specifications for ATV and UTV use.</p>
	<p>Zeak 13000LB Off-Road Vehicle Winch Owner's Manual & Safe Instructions</p> <p>This manual provides comprehensive owner's information, safe operating instructions, installation guidelines, wiring diagrams, maintenance procedures, and troubleshooting tips for the Zeak 13000LB Off-Road Vehicle Winch. Learn how to properly use, install, and maintain your winch for optimal performance and safety.</p>
	<p>BUNKER INDUST BI-WINCH13000-ROPE Electric Winch User Manual: Safety, Installation, and Operation Guide</p> <p>Comprehensive user manual for the BUNKER INDUST BI-WINCH13000-ROPE electric winch. Covers essential safety guidelines, installation procedures, winching techniques, troubleshooting, and warranty information for off-road vehicle recovery.</p>
	<p>Mile Marker PE2500 & PE3500 Winch Installation and Operator's Manual</p> <p>Comprehensive guide for installing and operating Mile Marker PE2500 (2,500 lbs) and PE3500 (3,500 lbs) winches. Covers safety, wiring, operation, maintenance, troubleshooting, and parts.</p>