

ERICKSON

TIE-IT. TOW-IT. LOAD-IT.

1500 lb. Drill Winch



WARNING

**To avoid personal injury and/or property damage, please read and follow
ALL instructions before assembling and operating.
KEEP THIS MANUAL FOR REFERENCE**

Contact Information
Marine City, Michigan 48039
Thamesville, Ontario N0P 2K0
Toll Free: 1-888-546-4668

Safety

**READ THOROUGHLY BEFORE OPERATION YOUR WINCH.
FAILURE TO FOLLOW INSTRUCTIONS COULD RESULT IN
SERIOUS HARM OR DEATH**

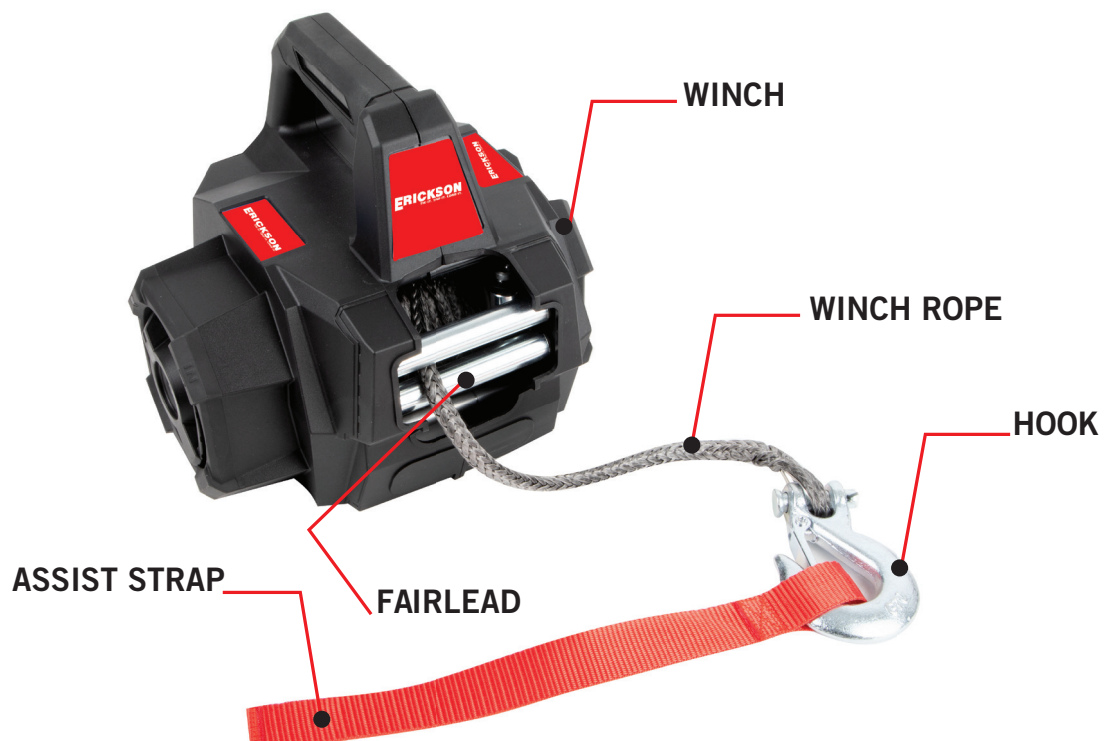
1. DO NOT exceed the rated capacity
2. DO NOT use for lifting or moving people or animals
3. Maintain a safe distance to the side of the cable when under tension
4. NEVER step OVER or NEAR a cable under load
5. The wire may break before the motor stalls. When loads are near or at rated capacity, use a pulley block/snatch block to reduce the load on the wire rope.
6. DO NOT operate vehicle to pull a load on the winch cable (towing). This could result in cable breakage.
7. Use specified anchor points on vehicle per manufacturer.
8. Winch is not intended to secure or hold a vehicle for extended period of time.
9. Do not use winch to secure load for transportation
10. After use disconnect remote control and battery leads
11. Do not accelerate your vehicle while winching. Loss of traction can cause a shock load on the cable.
12. Keep sparks, and flames away from batteries at all time. Do not lean over battering during operation. Wear protective eyewear.
13. Do not hoist loads or use for overhead lifting.
14. If motor stalls, do not maintain power to the winch.
ELECTRIC WINCHES ARE DESIGNED FOR INTERMITTENT USE.
15. Operate winch for short bursts. If the motor becomes uncomfortably hot to the touch, stop winching immediately. *DO NOT EXCEED PULL FOR MORE THAN 1 MIN. AT OR NEAR RATED LOAD.*
16. Never release the free-spool clutch when there is a load on the winch.
17. Use hook strap when handling the hook for spooling or unspooling the wire rope.
18. Use gloves when handling the cable. Never let the cable slide through your hands.
19. DO NOT wrap the cable around any object and hook back onto itself.
20. Use blocks under wheels of vehicle when on incline.

**IF YOU HAVE QUESTIONS ABOUT YOUR WINCH, OR
ABOUT WINCH SAFE USE CONTACT
1-888-546-4668**

Specifications

Line Capacity:	1500 lbs. (681 kgs)
Cable:	5 mm x 12m
Measurement:	213 mm x 222 mm x 205 mm
Mounting:	87 mm x 70 mm x 205 mm
N.W.:	5.2 kgs
Hex Size:	8 mm

Components



Warning

General Safety Precautions:

FALLING OR CRUSHING

Failure to follow these instructions could lead to serious injury or death.

- Never attach a recovery strap to the pulling tool hook to increase the length of a pull,
- Always use a hook with a latch.
- Always ensure hook latch is closed and not supporting load.
- Never apply load to hook tip or latch. Apply load only to the center of hook.
- Never use a hook whose throat opening has increased, or whose tip is bent or twisted.
- Never attempt to tow a vehicle or object with the recovery strap attached directly to the pulling tool hook.
- Never use bungee straps that develop tremendous and potentially dangerous amounts of force when stretched.
- Always avoid side pulls which can pile up cable at one end of the drum. This can damage cable or pulling tool.
- Never hook cable back onto itself. This will damage the cable.
- Always use a choker chain, choker cable, or strap. Never use pulling tool to lift or move persons,
- Never use pulling tool to lift load over people.
- Always use suitable anchor point when handling load

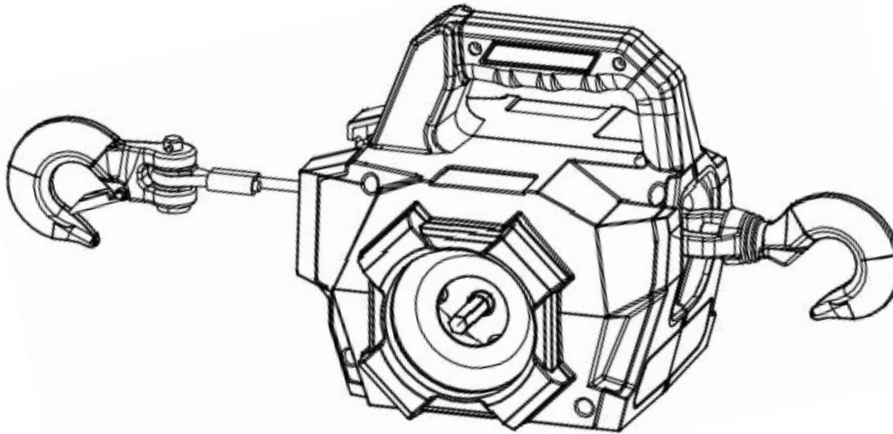
FALLING OR CRUSHING HAZARD

Failure to follow these instructions could lead to serious injury or death.

- Never use pulling tool to secure a load,
- Never shock load cable. Shock load can damage, overload and break cable.
- Never use the pulling tool's cable to tow another load.
- Vehicle or object collision during towing can exceed cable strength.
- Always make sure the anchor you select will withstand the load and the strap or chain will not slip.
- Always take time to use appropriate rigging techniques for pulling / lifting.
- Never spool out past length of red cable.
- Never exceed pulling tool or cable capacity listed on product data sheet. Using a snatch block to reduce pulling tool load.
- Never exceed 1000 lb. (454 kg) Maximum pulling capacity.
- Always use suitable anchor point capable of handling load.
- Always use factory approved mounting hardware, components, and accessories.
- Always rewind under tension load after use.
- Tightly wound cable reduces chances of "binding", which can damage the cable.
- Always wind the cable onto the drum in the direction specified by the product warning label on the product and/or documentation.
- Always avoid turning switch on and off while using this product. This can damage motor controls unit and cable.

OVERVIEW OF YOUR DRILL WINCH

Before using your Drill Winch, it is essential to understand how it works and the functions of its key components.



KEY COMPONENTS

- **8mm / 10mm Drill/Driver Shaft:** Transfers power from the drill to the winch mechanism.
- **Durable Rope:** Designed for strength and longevity.
- **Gear Train:** Converts drill power into winching force.
- **Clutch Dial:** Engages or disengages the drum from the gear system.
- **Rope Hook:** Attaches securely to the load.
- **Anchor Hook:** Provides a fixed connection point.
- **Fairlead:** Guides the rope onto the drum evenly.

CLUTCH OPERATION

WARNING: Never engage or disengage the clutch while the winch is under load, rope is in tension, or the drum is moving.

WARNING: Always ensure the clutch is fully engaged or disengaged before operating the winch.

The clutch allows you to switch between winching and free-spooling:

- **Engaged (IN):** The drum is connected to the gear train for winching.
- **Disengaged (OUT):** The drum rotates freely for quick rope extension.

UNDERSTANDING LOAD CAPACITY

The Drill Winch is rated based on its winching capacity. Maximum torque occurs when only one layer of winch rope is on the drum. As additional layers build up, pulling power decreases due to the mechanical advantage.

Run Time & Duty Cycle

Follow your drill/driver manufacturer's recommended operation and cooling times to prevent overheating.

Instructions

OPERATING INSTRUCTIONS

Proper winching techniques enhance safety and efficiency. This guide covers essential steps, but always assess your unique situation and adjust techniques accordingly.

1. Getting Started

Required Items:

- Drill Winch
- Winch Rope
- Rope Hook
- Anchor Hook
- Operating Instructions

Additional Accessories (Sold Separately):

- Standard Drill/Driver (Minimum Torque: 3 ft-lbs or 4 N-m)
- Gloves
- Rigging Accessories (straps, shackles, winch damper, etc.)

2. PRE-USE INSPECTION

Upon unpacking, thoroughly inspect all components for damage. If any part is missing or defective, replace it immediately.

WARNING: When using a drill bit accessory, insert it correctly into the chuck to prevent detachment and injury.

WARNING: Always tighten the drill to the Drill Winch driver shaft. A loose drill can cause injury.

A. Secure the drill tightly to the winch driver shaft to prevent accidental detachment.

B. If using a corded drill, position power cords to prevent entanglement with the rope or moving load.

3. Spooling Out the Rope

WARNING: Always use the supplied hook strap whenever spooling winch rope in or out, during installation or operation to avoid injury to hands and fingers.

WARNING: Always keep hands clear of the rope, hook loop, and fairlead opening when spooling in or out.

WARNING: Ensure at least five wraps of rope remain on the drum to prevent detachment.

A. Disengage the clutch by turning the dial to the OUT position.

B. Keep light tension on the rope while extending it to prevent tangling.

SPOOLING METHODS:

- Solo: Attach the hook to the load and walk the winch away to extend the rope.
- With Assistance: Have a second person hold the hook strap and walk away from the winch while extending the rope.

Instructions

4. SECURING THE ANCHOR POINT

WARNING: Never wrap the rope around the anchor or back to itself; use a tree strap or choker chain instead.

- A. Choose a secure anchor capable of handling the full load.
- B. For maximum pulling power, position the anchor as far away as possible.

5. WINCHING SETUP

- A. Plan the Pull: Align the winch as straight as possible to avoid side pulls that can damage the rope or winch.
- B. Secure the Load: Use straps or choker chains if necessary.
- C. Attach the Shackle: Connect the shackle to the rope hook, avoiding overtightening.
- D. Tension the Rope: Engage the clutch, set the drill to forward rotation, and slowly take up slack.
- E. Check Load Stability: Ensure all connections are secure before proceeding.

6. WINCHING PROCESS

WARNING: Never operate the winch while touching the rope or hook under tension or load.

WARNING: Do not attempt to manually adjust or intervene with the winch operation while under load.

WARNING: Avoid continuous side pulls, as this may cause the rope to stack unevenly on the drum, leading to damage or improper operation.

- F. Lay a Winch Damper Over the Rope: This absorbs energy in case of rope failure.
- G. Confirm Safety Precautions: Ensure everyone is clear of the winching path.
- H. Begin Winching: Apply steady, controlled power using the drill/driver trigger.
- I. Monitor Rope Alignment: Prevent stacking by keeping tension and guiding the rope properly.
- J. Complete the Winch Operation: Stop winching when the rope hook is about 1 ft. from the fairlead. Pulse the trigger to spool the final section while maintaining at least 6 inches of clearance.

7. POST-USE STEPS

- A. Disconnect the drill from the winch driver shaft.
- B. Store the Drill Winch in a clean, dry location.
- C. Inspect the winch rope for wear and replace if damaged.

8. AVOIDING COMMON ISSUES UNDER LOAD

- Ensure even rope distribution to prevent nesting and binding.
- Avoid side pulls to prevent excessive rope stacking.
- Keep gloves on at all times when handling the rope.

9. FINAL SAFETY MEASURES

- Always ensure the clutch is fully engaged or disengaged before operation.
- Do not exceed the load capacity to prevent ratcheting and damage.
- Regularly check for wear and perform maintenance as needed.

WARNING: Avoid overheating the drill motor. If needed, stop at reasonable intervals to allow cooling.

WARNING: Consider using a dense fabric or winch damper to absorb energy if the rope or load point fails.

WARNING: Establish “no people” zones around the winching operation to prevent injury.

Warranty

Warranty Qualifications

Effective from the day you purchase the product. Please keep your dated purchase invoice as proof.

Repair/Replacement Warranty

Erickson Manufacturing Ltd. warrants to the original purchaser that the mechanical components will be free of defect in material and workmanship for 90 days from the original date of purchase. Transportation charges on product submitted for repair or replacement under warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

Do Not Return The Unit to the Place of Purchase

Contact Erickson Manufacturing Ltd's Technical Service and service people will troubleshoot any issue via phone or email. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following repairs and equipment:

Normal Wear

This warranty does not cover the repair when use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if this product is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond specifications, modified, or installed improperly. Normal maintenance is not covered by this warranty.

Other Exclusions

This warranty excludes:

- Cosmetic defect such as paint, decal etc.
- Wear items
- Accessory parts
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems caused by parts that are not Erickson Manufacturing Ltd. parts.

Limits of implied Warranty and Consequential Damage

Erickson Manufacturing Ltd. disclaims any obligation to cover any loss time, use of this product, freight, or any incidental or consequential claim by anyone from using this product. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** A unit provided as exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit. This warranty gives you certain legal rights which may change from state to state. Your state and/or province may also have other rights you may be entitled to that are not listed within this warranty.

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