

Operation Manual

Electric Wrench

61000–61002, 61769



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.

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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

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The most recent version of this manual in various languages can be found in our online shop via:

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52249 Eschweiler
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Do you wish to pick goods up? Our pick-up address is:

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To shorten the waiting time and allow for a rapid on-site transaction, we ask you to call us previously or placing your order via the webshop.

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Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Technical specifications

2000 lb winch

Capacity	6000 lb rolling
	5000 lb marine
	2000 lb pulling capacity
Max. boat size	18 feet
Max. boat weight	5000 lb
Line speed	1.38 m/min
Cable length	9.2 m
Hook size	$\frac{3}{4}$ " opening \times $\frac{3}{4}$ "
Power supply	12 Volt
Power cord	3.0 m negative lead 3.0 m positive lead
Wireless remote control	choose
Remote switch	3 m
Mounting plate	$8\frac{3}{4}$ " \times $4\frac{15}{16}$ " \times $\frac{3}{16}$ "
Overall dimensions	$9\frac{1}{2}$ " \times $7\frac{1}{2}$ " \times 10"
Netto weight	11 kg

3500 lb winch

Capacity	11000 lb rolling
	9500 lb marine
	3500 lb pulling capacity
Max. boat size	18 feet
Max. boat weight	5000 lb
Line speed	1.38 m/min
Cable length	10.5 m
Hook size	$\frac{3}{4}$ " opening \times $\frac{3}{4}$ "
Power supply	12 V
Power cord	3.0 m negative lead 3.0 m positive lead
Wireless remote control	choose
Remote switch	3 m
Mounting plate	$8\frac{3}{4}$ " \times $4\frac{15}{16}$ " \times $\frac{3}{16}$ "
Overall dimensions	$9\frac{1}{2}$ " \times $7\frac{1}{2}$ " \times 10"
Net weight	12 kg

Included accessories

- Power Lead, fitted with water sealed plug and circuit breaker
- Remote Switch with water sealed plug, for safe operation
- 3.2000 lb has a 9.2 m aircraft cable with attached hook, 3500 lb has a 10.5 m aircraft cable with attached hook
- Mounting Bracket for trailer hitch
- Emergency crank handle and adjustable clutch



Product features

- Convenient, portable power for pulling boats, stuck vehicles and other heavy items
- Powerful 2,000 lb (3,500 lb) pulling power
- 12 V powered for convenient use without extension cords or small gas engines
- Portable, with built-in carrying handle and quick-attach mounting plate

Save this manual

You will need this manual for the safety warnings and cautions, assembly instructions, operating procedures, maintenance procedures, trouble shooting, parts list, and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep both this manual and your invoice in a safe, dry place for future reference.

Notice

The Warnings, Cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Safety warnings and cautions

Warning: When using powered equipment, basic safety precautions should be always followed to reduce the risk of personal injury and hazards.

1. **READ ALL INSTRUCTIONS BEFORE USING THIS TOOL!**
2. **Keep your work area clean.** Cluttered areas invite injuries.
3. **Observe work area conditions.** Do not use tools in damp, wet, or poorly lit locations. Do not expose to rain. Keep work area well lit. Do not use electrically powered equipment in the presence of flammable gases or liquids.
4. **Keep Children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or equipment.
5. **Store idle equipment.** When not in use, tools must be locked up in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
6. **Do not force the tool.** It will do the job better and more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool's capacities.
7. **Use the right tool for the job.** Do not use a tool for a purpose for which it was not intended.
8. **Dress properly.** Do not wear loose clothing or jewelry, as they can be caught in moving parts. Non-skid footwear is recommended. Wear restrictive hair covering to contain long hair. Always wear appropriate work clothing.
9. **Use Eye-, Ear- and breathing Protection.** Always wear approved impact safety goggles if you are producing metal filings or wood chips. Wear an approved dust mask or respirator when working around metal, wood, and chemical dusts and mists. Use approved ear protection when working in a loud or noisy environment.
10. **Handle the power cord with care.** Protect the power cord from damage, either from impacts, pulling or corrosive materials. Do not yank machine's cord to disconnect it from the receptacle.
11. **Do not overreach.** Keep proper footing and balance at times. Do not reach over or across running machines.
12. **Maintain tools with care.** Keep tools sharp and clean for better and safety performance. Follow instructions for lubricating and changing accessories. Inspect power cord periodically and, if damaged, have it repaired by an authorized technician. Inspect all moving parts and mounting bolts prior to use. Control handle and power switch must be kept clean, dry and free from oil and grease at all times.
13. **Remove adjusting keys and wrenches.** Be sure that keys and adjusting wrenches are removed from the tool or machine work surface before operation.



14. **Avoid unintentional starting.** Be sure that you are prepared to begin work before turning the start switch on.
15. **Stay alert.** Watch what you are doing. Do not operate this machine when you are tired.
16. **Do not operate this machine while under the influence of alcohol, drugs, or prescription medicines.**
17. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts or mounting fixtures, and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the tool if any switch does not turn on and off properly.
18. **Replacement parts and accessories.** When servicing, make sure service personnel use only identical replacement parts. Use of any other parts will void the warranty. Only use parts and accessories intended for use with this tool.

Special warnings when using this electric device

Using this powerful tool may create special hazards.

Take particular care to safeguard yourself and those around you.

Cable

- Be sure the cable is in good condition, and is attached properly.
- Do not use the winch if the cable is frayed.
- Do not replace the cable with a cable of lesser strength.

Battery

- Be sure the battery is in good condition. Avoid contact with battery acid or other contaminants.
- Always wear approved eye protection when working around a battery.
- Have the engine running when using the winch, to avoid running the battery down.

Stand back

- Stay out of the direct line that the cable is pulling. If the cable slips or breaks, it will “whiplash” along this line.
- Keep hands, clothing, hair and jewelry clear of the winch while in use.
- Use a spotter to assist you in assuring that it is safe to operate the winch. Make sure this person is out of the way of the vehicle and the cable before activating the winch.

Power limits

- Do not attempt to exceed the pulling limits of this winch.
- Never use the hand crank to “assist” the winch. This will damage the winch and may cause personal injury.

Installation

Wiring your Electric Winch

Your Winch may be used with temporary wiring or permanent wiring

Temporary Wiring

1. Lift the rubber seal, and power cable plug into the socket on the right side of the winch body. Route the power cable from the winch to your battery, being careful to avoid tangling it in moving equipment, or causing a tripping hazard.
2. Connect the black clamp handle of the power cable to the frame of your vehicle, establishing a ground connection. Connect the red clamp handle to the positive (+/red) terminal of your battery. **Note: Be sure you are using a 12 V automotive battery or equivalent, in good condition.**



3. Lift the rubber seal on the left side of winch body. Taking the remote control unit, insert the Socket at the end of the cord into the plug on the right side of the winch body labelled "Remote Control."
4. Set the remote control aside in a safe place until ready for use.

Permanent wiring

1. Attach the over-current protector to the positive (+/red) terminal of your battery, using the battery terminal clamp bolt.
2. Plan a route for the wiring from the point of the vehicle where the winch will be mounted or used to the battery. This route must be secure, out of the way of moving parts, road debris, or any possibility of being damaged by operation or maintenance of the vehicle. For example, you may wish to route the wires under the vehicle, attaching it to the frame using suitable fasteners. Do not attach the wires to the exhaust system, drive shaft, emergency brake cable, fuel line, or any other components which may create damage to the wiring through heat or motion, or create a fire hazard.
3. If you drill through the bumper or any part of the body to route the wires, be sure to install a rubber grommet in the hole to prevent fraying of the wires at that point.
4. Route the power cable from the point the winch will be used to the battery. Following the precautions discussed above.
5. Remove the red clamp handle, and attach the red wire to the over-current protector which is mounted onto the positive (+/red) terminal of your battery.
6. Remove the black Cclamp handle, and attach the black wire to the frame of your vehicle, creating a secure electrical ground.

Warning

1. Always connect red to red (positive to positive) and black to the vehicle frame, making a ground connection, when using battery power from your vehicle.
2. Never continue use of your winch or other accessory until the battery is completely run down. This can permanently damage your battery!
3. You may wish to keep your engine running while using this winch, to continually recharge the battery. However, exercise extreme caution when working around a running vehicle.
4. Do not use a dirty, corroded or leaking battery. You may suffer injury from acid burns.
5. Always wear approved safety glasses when working around or with a battery.

Mounting your Winch

Your winch is designed to be mounted temporarily, using the Trailer Hitch Mounting Bracket. However, you may also mount your winch permanently.

Permanent Mounting

1. Select a mounting site on the bumper of your vehicle, truck bed, boat trailer, or other suitable location. **NOTE: This winch can generate 2,000 lb pulling force. Be sure the location you select can withstand this much force. You may need to use steel reinforcement plates, or weld on additional bracing, depending on the desired mounting location.**
2. Align the winch with the desired location, and mark for drilling the locations of the 4 holes on the base of the winch.
3. Drill these locations on your vehicle.
4. Using hardened steel bolts at least $\frac{3}{8}$ " in diameter, install your winch to the location.

Temporary Mounting

1. Attach the three plate stud bolts to the adapter plate, as shown, using the supplied nuts. Tighten securely.
2. Index the heads of the plate studs into the keyhole slots on the back of the winch.
3. Attach the winch/adapter plate assembly to your trailer hitch, by inserting the trailer hitch ball through the shaped hole in the adapter plate.

Using your Winch

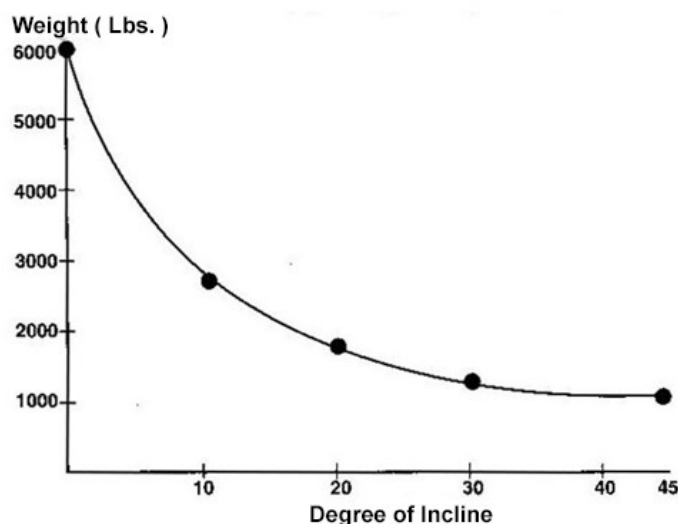
1. Put your vehicle in neutral. (Never winch with your vehicle in gear or in park, since this could damage transmission of your vehicle.) Put your emergency break on block from rolling, using suitable chocks. Failure to follow these instructions can cause your vehicle to roll while winching, creating an extremely dangerous situation!
2. To pull out the cable, turn the clutch knob counter-clockwise to loosen it, and then pull out the cable you need. Or turn the clutch knob clockwise to tighten it, then use the remote control or wireless remote control to let out the cable you need. Always leave at least three turns of cable on the spool to prevent pulling the cable out of the winch.
3. Hook onto the object using a pulling point, tow strap or chain. Never wrap the cable around the object and hook onto the cable itself. This can cause damage to the object being pulled, and kink or fray the cable.
4. Re-tighten the clutch knob.
5. Stand clear, and when it is safe to do so, use the power switch in the remote control to retract the cable, and winch the item as desired.

Warning

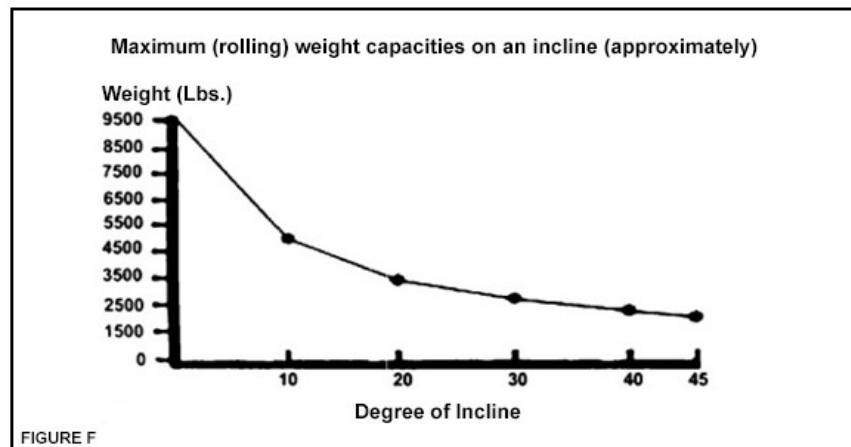
1. Keep hands, clothing, hair, and jewellery clear of the drum area and cable when winching.
2. Never use the winch if the cable is frayed, kinked or damaged.
3. Never allow anyone to stand near the cable or in line with the cable behind the winch while it is under power. If the cable should slip or break, it can suddenly whip back toward the winch, causing a hazard for anyone in the area. Always stand well to the side while winching.

Pulling Capacity

- This winch has a capacity of 2,000 lb applying this measurement to practical application; you can use this winch to move the following.
 - Move a load from a dead stop of up to 2,000 lb, on level ground;
 - move a water borne craft of up to 4,800 lb;
 - maintain movement of a wheeled vehicle of up to 6,000 lb.
- Pulling capacity is reduced as incline increases. For example, rolling capacity is reduced from 6000 lb on flat ground to 1100 lb on a 45° incline. Please refer to the following chart for estimated pulling capacity (rolling weight) on various inclines.



- This winch has a capacity of 3,500 lb applying this measurement to practical application; you can use this winch to move the following.
 - Move a load from a dead stop of up to 3,500 lb, on level ground;
 - move a water borne craft of up to 9,500 lb;
 - maintain movement of a wheeled vehicle of up to 11000 lb.
- Pulling capacity is reduced as incline increases. For example, rolling capacity is reduced from 6,000 lb on flat ground to 1100 lb on a 45° incline. Please refer to the following chart for estimated pulling capacity (rolling weight) on various inclines. **Please use the block and tackle**



Using the emergency hand crank

Warning: Do not use the crank to assist an operating winch. This will damage the winch and may cause personal injury.

1. Turn the clutch knob clockwise until hand tight. Do not force it or over tighten.
2. Place the end of the hand crank over the flattened end of threaded shaft on the left side of the winch.
3. Rotate the hand crank clockwise to tighten the cable. Continue to turn until the cable has been completely retracted.

Maintenance

1. Lubricate the cable occasionally with light oil.
2. Grease the gears every 6 months. To do this, remove the clutch knob and separate the left and right housing. Use any good quality waterproof grease.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiITec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Materials' recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities or the store where you purchased the article.

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