

ELECTRIC WINCH

USER MANUAL



Read this manual before use.

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INSTRUCTIONS – USER MANUAL

Every winching situation has the potential to cause personal injury. To minimize risk:

- Read this manual carefully before installing or operating your winch.
- Familiarize yourself with the winch's operation before use.
- Maintain a constant focus on safety during all winching activities.

This guide contains important safety information and detailed instructions for proper installation and operation.





SAVE THIS MANUAL and all other product literature included with this kit. Review it frequently to ensure ongoing safe operation. Instruct all users of this product to read and understand this manual before operating the winch.

To ensure safety, follow the advice and instructions in the manual to guarantee the safe operation of the device and the safety of yourself and others. Proper operation, maintenance, and storage of the winch are essential for its efficiency and lifespan. Improper use of the winch can be extremely dangerous for both the operator and others, and may result in serious injury or death. Before use, carefully read and follow the instructions in the manual.

The safety measures and procedures presented in the manual cannot cover all possible circumstances and situations you may encounter. Always act with careful consideration when operating the winch and exercise the highest degree of caution.

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SYMBOL INDEX

SYMBOL	EXPLANATION	SYMBOL	EXPLANATION
	Read all product literature		Always wear leather gloves
	Always wear hearing and eye protection		Do not move people
	Never use winch as a hoist		Always use supplied hook strap
	Properly seat load in the throat of the hook		Never apply load to hook tip or latch
	Wind rope onto the bottom of the drum		Never wind rope over the top of the drum
	Finger crushing hazard		Fairlead pinch point
	Hand piercing/cutting hazard		Hot surface hazard
	Explosion hazard		Fire and burn hazard
	Never route electrical cables across sharp edges		Never route electrical cables through or near moving parts
	Avoid installing electrical cables around pinch and abrasion points		Additionally insulate exposed wires.
	Clutch disengaged		Never hook back on rope
	Avoid side pulls		Never hook the wire rope back onto itself

GENERAL SAFETY PRECAUTIONS



As you read these instructions, you will see **WARNINGS, CAUTIONS, NOTICES, and NOTES**. Each has a specific purpose:

- **WARNINGS** are safety messages indicating a potentially hazardous situation that, if not avoided, could result in serious injury or death.
- **CAUTIONS** are safety messages indicating a potentially hazardous situation that, if not avoided, could result in minor or moderate injury.
- **A CAUTION** may also be used to alert against unsafe practices.
- **CAUTIONS** and **WARNINGS** identify the hazard, explain how to avoid it, and advise on the probable consequences of not avoiding it.
- **NOTICES** are messages intended to help you avoid property damage.
- **NOTES** provide additional information to help you complete a procedure.

PLEASE WORK SAFELY!

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference,
- this device must accept any interference received, including interference that may cause undesired operation.

This winch has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in installation. This winch generates, uses, and can radiate radio frequencies. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on), the user is encouraged to try one or more of the following corrective measures:

- reorient or relocate the receiving antenna,
- increase the separation between the equipment and the receiver,
- connect the equipment to an outlet on a different circuit than the one to which the receiver is connected,
- consult the dealer or an experienced radio/TV technician for assistance.



MOVING PARTS ENTANGLEMENT HAZARD



Failure to follow these instructions could result in serious injury or death.

Winching Safety:

- **Know your winch** – Read the entire instruction manual to fully understand the winch and its operation before use.
- **Do not exceed rated capacity** – Never exceed the rated capacity of the winch or winch rope. Use a double line with a pulley to reduce the load on the winch.
- **Wear protective gloves** – Always wear heavy leather gloves when handling winch rope.
- **Do not tow with the winch** – Winch and winch rope are not designed for towing. Shock loads can damage, overload, and break the rope.
- **Do not use for load securing** – Never use the winch to secure a load.
- **No impaired operation** – Never operate the winch under the influence of drugs, alcohol, or medication.
- **Minimum age requirement** – Do not operate the winch if you are under 16 years of age.

Installation Safety:

- **Select a strong mounting location** – Choose a location capable of withstanding the winch's maximum pulling capacity.
- **Use correct hardware** – Always use quality bolts.
- **Do not weld bolts** – Welding can weaken the bolt and compromise safety.
- **Use factory-approved components** – Only use mounting components and accessories specified by the manufacturer.
- **Check bolt length** – Never use bolts that are too long to ensure proper thread engagement.
- **Install winch before wiring** – Complete winch installation and hook attachment prior to connecting wiring.
- **Keep hands clear** – During installation, operation, and spooling in or out, keep hands away from the winch rope and hook.

General Safety:

- **Inspect before use** – Check winch rope, hook, and slings before operating. Replace frayed, kinked, or damaged rope immediately. Replace any damaged components before operation and protect parts from damage.
- **Clear the work area** – Remove any obstacles or elements that could interfere with safe winch operation.
- **Secure your anchor** – Ensure the anchor can withstand the load and that the strap or chain will not slip.
- **Use the hook strap** – Always use the supplied hook strap when spooling the rope in or out, during installation, and during operation.
- **Maintain awareness** – Ensure both operators and bystanders are aware of the vehicle and load. Keep others away from the winching area.
- **Watch stability** – Monitor the stability of the vehicle and load at all times. Warn bystanders if instability occurs.
- **Maximize rope use** – Unspool as much winch rope as possible when rigging. Use a double line or select a distant anchor point to reduce load on the winch.
- **Use proper rigging** – Take time to set up safe and effective rigging techniques for each pull.
- **Hands off during operation** – Never touch the winch rope or hook while someone else is at the control switch or during operation.
- **Do not engage clutch under load** – Never engage or disengage the clutch when the winch rope is under tension, the winch is loaded, or the drum is moving.
- **Stay clear of the load path** – Keep yourself and others away from the rope and load while winching.
- **Do not pull with the vehicle** – Never use the vehicle to pull a load on the winch rope. Combined or shock loads can damage, overload, and break the rope.
- **Avoid rope-on-rope contact** – Never wrap the winch rope back onto itself. Use a choker chain or tree trunk protector for anchoring.
- **Operate within sight** – Never use the remote if the vehicle is not within the operator's line of sight.
- **One winch, one remote** – Never connect more than one winch to a single remote at the same time.



MOVING PARTS ENTANGLEMENT HAZARD



Failure to follow these instructions could result in serious injury or death:

- **Check latch position** – Always ensure the hook latch is fully closed and not supporting any part of the load.
- **Apply load correctly** – Never apply load to the hook tip or latch. Load must be applied only to the center (throat) of the hook.
- **Inspect hook condition** – Never use a hook with an enlarged throat opening, or a tip that is bent or twisted.
- **Use hooks with latches** – Always use a hook equipped with a functioning latch.
- **Maintain awareness** – Ensure the operator and all bystanders are always aware of the stability of the vehicle and/or load.
- **Avoid hooking on rope** – Never hook the winch rope back onto itself.

CHEMICAL AND FIRE HAZARD



Failure to follow these instructions could result in serious injury or death:

- **Remove jewelry & protect eyes** – Always remove all jewelry and wear appropriate eye protection when working with electrical components.
- **Avoid cable hazards** – Never route electrical cables across sharp edges, near hot parts, or through/near moving parts.
- **Use protective boots** – Always install the supplied terminal boots on wires and terminals as directed in the installation instructions.
- **Stay clear of battery during connections** – Never lean over the battery while making connections.
- **Avoid terminal contact** – Never route cables over battery terminals and never short battery terminals with metal objects.
- **Follow wiring instructions** – Always consult the operator's manual for proper wiring procedures.
- **Insulate exposed connections** – Insulate and protect all exposed wiring.
- **Correct cable polarity**
 - Connect the red (+) power cable only to the positive (+) battery terminal.
 - Connect the black (-) ground cable only to the negative (-) battery terminal.

FALLING OR CRUSHING HAZARD



Failure to follow these instructions could result in serious injury or death:

- **Stay clear** – Always stand clear of the winch rope, keep hands away from pinch points, and ensure bystanders remain at a safe distance.
- **Maintain minimum wraps** – Never operate the winch with fewer than 5 wraps of wire rope or 10 wraps of synthetic rope on the drum. The rope attachment to the drum is not designed to hold a load without these wraps.
- **Do not hoist or suspend loads** – Never use the winch as a hoist or to suspend any load.
- **Verify anchor strength** – Ensure the anchor can withstand the load. Use appropriate rigging and take time to set it up correctly.
- **No lifting of persons** – Never use the winch to lift or move people.
- **Avoid excessive free-spooling force** – Do not use excessive effort to free spool the rope.
- **Use proper lifting techniques** – When handling or installing the winch, use proper posture and lifting technique, or get assistance.
- **Correct rope winding** – Always wind the winch rope onto the bottom (mount side) of the drum. Never wind rope over the top of the drum.
- **Follow drum rotation labels** – Always spool the winch rope in the direction specified by the drum rotation labels on the winch or in the documentation.
-

CUT AND BURN HAZARD



Failure to follow these instructions could result in serious injury or death.

To avoid injury to hands and fingers:

- **Wear protective gloves** – Always wear heavy leather gloves when handling winch rope.
- **Beware of hot surfaces** – Be alert for possible hot surfaces on the winch motor, drum, or rope during and after winch operation.
- **Do not allow rope to slip through your hands** – Always maintain a firm grip and wear heavy leather gloves when handling winch rope

MOVING PARTS ENTANGLEMENT HAZARD



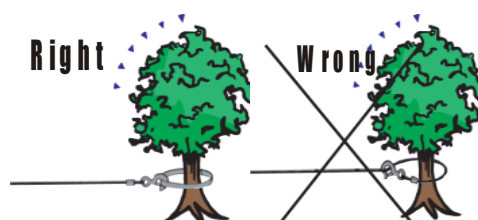
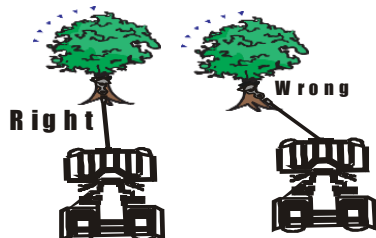
Failure to follow these instructions could result in serious injury or death.

To avoid injury to hands and fingers:

- **Secure the remote** – Never leave the winch remote control where it could be accidentally activated during free-spooling, rigging, or when the winch is not in use.
- **Turn off wireless remotes** – Never leave a wireless winch remote turned on when installing, free-spooling, rigging, servicing the winch, or when the winch is not in use.

AVOID WINCH AND EQUIPMENT DAMAGE

- **Avoid side pulls** – Do not pull from extreme angles. Side pulls can cause the rope to pile up on one end of the drum, which may damage the rope or winch.
- **Check clutch position** – Always ensure the clutch is fully engaged or fully disengaged before operating.
- **Avoid submersion** – Never submerge the winch.
- **Store remote properly** – Keep the remote control in a clean, dry, and protected area when not in use.
- **Do not hook onto rope** – Never hook the winch rope back onto itself. Instead use a strap or proper anchor attachment to prevent rope damage.



SAFETY

- When installing the winch system, read and follow all mounting and safety instructions in this manual.
- Always use caution when working with electricity. Before energizing the winch circuit, verify that no exposed electrical connections are present.
- For specifications and performance data, refer to the specification included in this manual.

IMPORTANT!

For your safety when working with the winch, always switch off the disconnect switch or high-current switch when you finish working. The disconnect switch allows for emergency shutdown and safe disconnection of the winch from the power supply when it is not in use. It is not included and must be ordered separately.



Before first use, check that the cable is not damaged. After the first unwinding, the warranty will not last anymore. If the control unit and winch get wet, dry and clean them, and maintain them in good technical condition.

KNOW YOUR WINCH

Before you begin, you should familiarize yourself with your winch and each of its components.

RS-2500

Rated line pull: 2.500 lbs (1130 kg)

Motor: 12V DC, 3.0 HP, Sealed

Controls: Wired controller

Gear train: 1-Stage Planetary

Gear ratio: 153:1

Clutch: Sliding Pin

Drum diameter / length: 38 mm × 72 mm

Rope: Galvanized Steel Wire (4,8 mm × 10 m)

Recommended battery: Minimum 12 Ah

Mounting bolt pattern: 80 mm × 130 mm

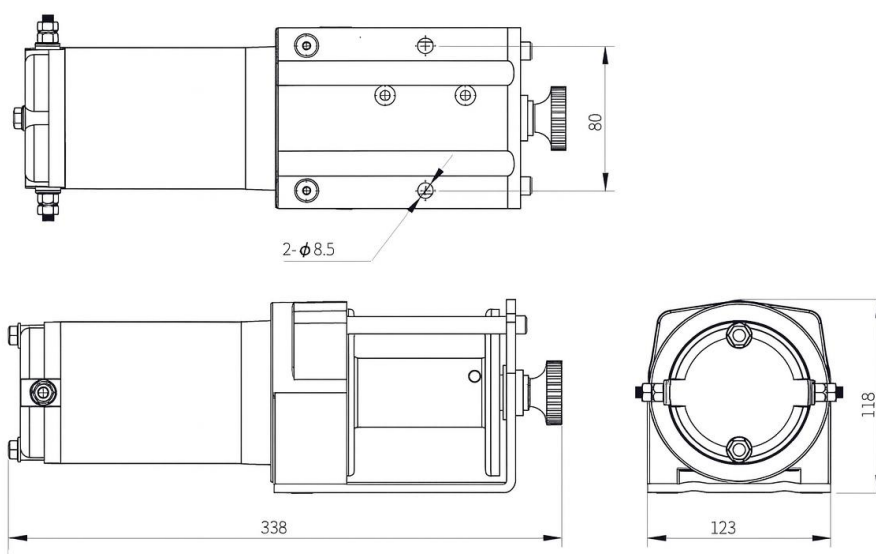
Winch dimensions: 338 mm × 123 mm × 118 mm

Shipping weight: 8,8 kg



LINE PULL AND ROPE CAPACITY LAYER						
Layer of cable		1	2	3	4	5
Rated line pull	Lbs.	2500	2370	1960	1670	1460
	Kg	1135	1075	889	756	662
Cable of layer	Ft	8,9	16,1	25,6	37,1	43
	M	2,7	4,9	7,8	11,3	13

LINE SPEED & AMP DRAW-FIRST LAYER					
Line pull	Lbs.	NO LOAD	1000	2000	2500
	Kg		454	907	1135
Line Speed	Fpm	10,5	7,5	3,6	2,3
	Mpm	3,20	2,29	1,10	0,70
Amp	A	11	60	92	150



RS-3500

Rated line pull: 3.500 lbs (1587 kg)

Motor: 12V DC, 3.3 HP / 3.5 HP Permanent Magnet Motor, sealed

Controls: Wired controler or wireless remote controler

Gear train: 2-stage planetary

Gear ratio: 271:1

Clutch: Rotating pin

Drum diameter / length: 38 mm x 74 mm

Rope: Galvanized steel wire, 4,8 mm x 10 m

Recommended battery: 12 Ah minimum

Mounting bolt pattern: 76,2 mm x 124 mm

Winch dimensions: 320 mm x 114 mm x 120 mm

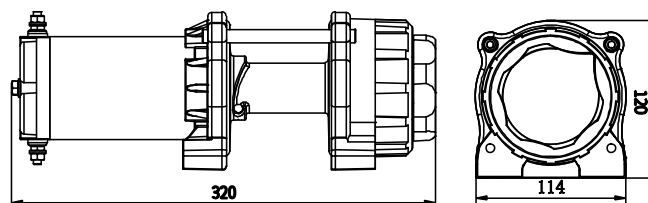
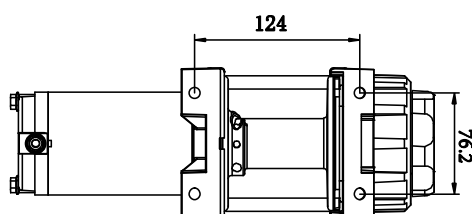
Shipping weight (wire rope): 12 kg

Shipping weight (syntethic rope): 10 kg

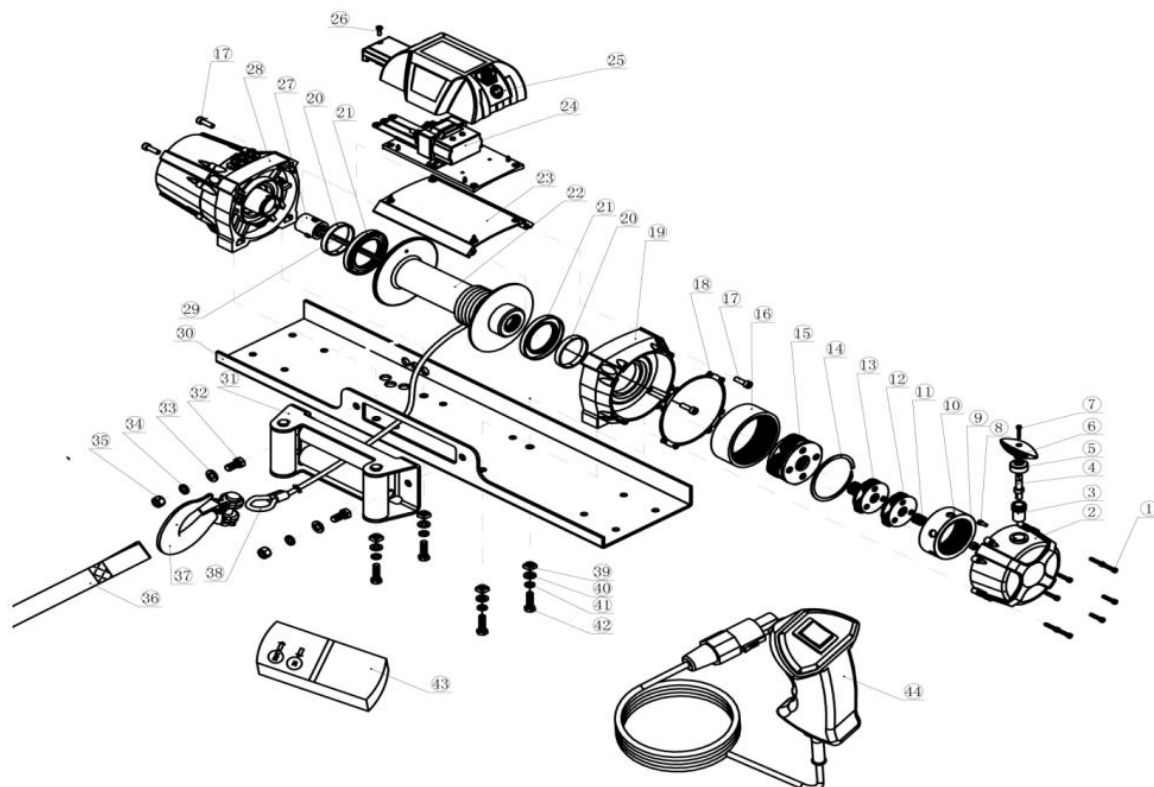
LINE PULL AND ROPE CAPACITY LAYER					
Layer of cable		1	2	3	4
Rated line pull	Lbs	3500/4500	2934/3840	2524/3309	2215/2907
	Kgs	1587/2041	1331/1742	1145/1501	1005/1319
Cable of layer	Ft	8.5	18.7	29.9	43
	M	2.6	5.7	9.1	13



LINE SPEED & AMP DRAW-FIRST LAYER							
Line pull	Lbs	NO	1000	2000	2500	3500	4500
	Kgs	LOAD	454	907	1134	1587	2041
Line Speed	Fpm	14.4	9.8	8.2	7.2	5.9	4.6
	Mpm	4.4	3.0	2.5	2.2	1.8	1.4
Amp	A	35	92	120	150	180	220



RS-12000



No	Name	Qty
1	M5x25 bolts	8
2	Gear box cover	1
3	Clutch base	1
4	Clutch bar	1
5	Nut	1
6	Clutch handle	1
7	M4x20 bolts	1
8	5M screw set	1
9	Oilless bearing	1
10	1&2-stage inner gear	1
11	Hexagonal sun gear	1
12	1-stage planetary	1
13	2-stage planetary	1
14	Flexible set ring	1
15	3-stage planetary	1
16	3-stage inner gear	1
17	M8x25 bolts	4
18	Steel gasket	1
19	Gear box base	1
20	Sliding bearing	2
21	Gasket	2

22	Drum	1
23	Supporting plate	1
24	Solenoid	1
25	Control box cover	1
26	M4,8x20 screw	1
27	Brake team	1
28	Motor team	1
29	Transmission shaft	1
30	Mounting plate	1
31	Fairlead	1
32	M12x25 bolts	2
33	Φ 12 plain washer	2
34	Φ 12 flexible washer	2
35	M12 nut	2
36	Safety belt	1
37	3/4 Hook	1
38	Wired rope	1
39	M10 nut	4
40	Φ 10 plain washer	4
41	Φ 10 flexible washer	4
42	M10x35 bolts	4
43	Wireless remote	1
44	Remote control handle	1

IMPORTANT!

The parameters stated in the manual and descriptions are maximum values and not working parameters. For your safety and the safety of others, load the winch to a maximum of 80%. The winch's pulling capacity also depends on the slope of the terrain.

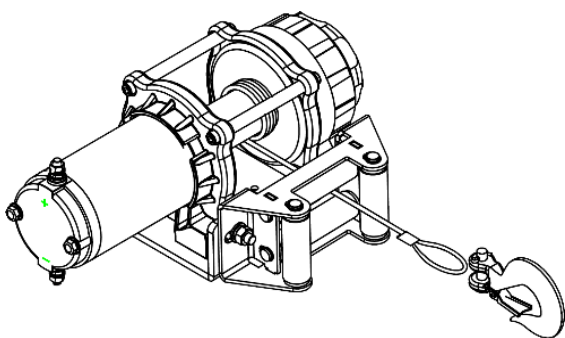


MOUNTING

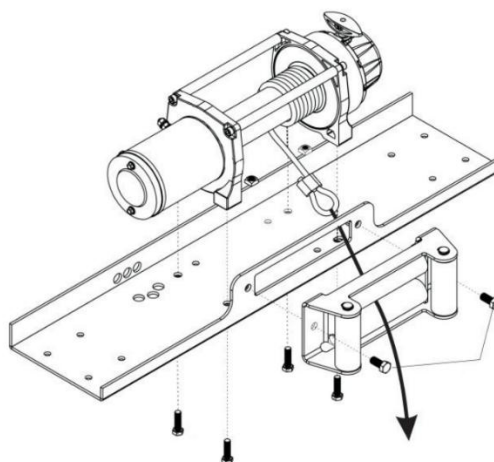
Important safety instructions for winch installation:

- **Prevent accidental activation** – Complete the winch installation and attach the hook before installing the wiring to avoid unintentional operation and serious injury.
- **Select a strong mounting location** – Ensure the mounting surface can withstand the maximum pulling capacity of the winch.
- **Correct rope spooling** – Always spool the winch rope in the direction indicated by the drum rotation labels on the winch or in the documentation. Proper direction is required for the automatic brake (if equipped) to function correctly.
- **Wind rope on the mount side** – The rope must always wind onto the bottom (mount side) of the drum.
- **Horizontal mounting only** – Mount the winch in a horizontal orientation, with the rope winding on and off the mount side (bottom) of the drum. Horizontal mounting prevents the rope from piling up on one end, which could damage the winch.
- Always use recommended bolt and washer combinations torqued to recommended levels.

SMALLER WINCHES



BIGGER WINCHES



WINCH ROLLERS

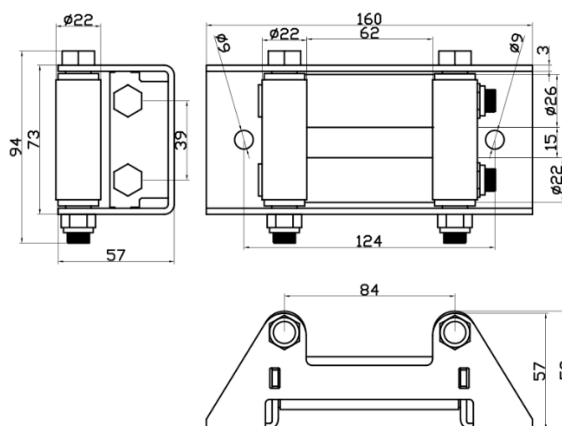
Winch rollers are a guiding assembly mounted at the front of a winch to direct the steel cable or synthetic rope smoothly onto the drum during pulling operations. They reduce friction, minimize wear on the cable, and prevent damage to the winch housing by keeping the rope aligned.

Winch rollers are common on off-road vehicles, trailers, recovery trucks, and industrial winches where cable longevity and controlled rope feeding are essential.

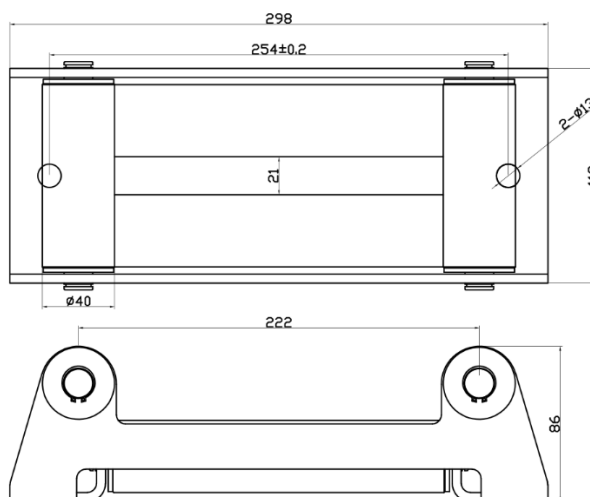
Key Benefits:

- **Cable protection** – Prevents fraying and abrasion caused by sharp winch housing edges.
- **Smooth operation** – Allows the rope to feed evenly under load, even when pulling from an angle.
- **Extended lifespan** – Reduces strain and wear on both the rope and winch components.
- **Improved safety** – Keeps the rope from jumping or snagging during use.

RS-3500




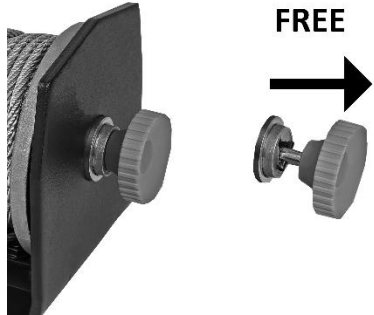

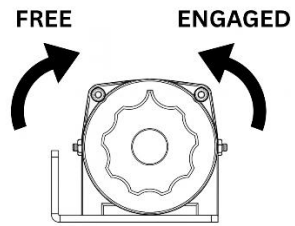

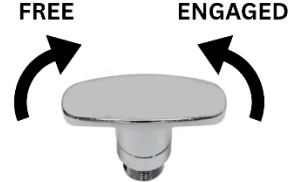
RS-12000



CLUTCH OPERATION

Clutch operation and drum rotation check

- **Set to Free spool** - Pull and turn the clutch knob to the "Free spool" position.
- **Check rotation** - Activate the winch in Cable Out mode to verify the drum rotation direction. If the drum rotates in the wrong direction, recheck wiring.
- **If the clutch knob is hard to pull**
 - A load on the rope may prevent the knob from moving easily. Do not force the clutch knob.
 - Release tension by jogging out some of the rope.
- **Rope retention** - Ensure there are at least five turns of wire rope, or ten turns of synthetic rope left on the drum before operation.
- **Re-engage the drum** - Return the clutch knob to the "Engaged" position.
- **Clutch type verification** - Different winches use different clutch mechanisms (see figures). Confirm which type matches your winch before operation.

WINCH	CLUTCH	FREE SPOOL OPERATION
	Pull and push	
	Rotate	
	Turn 180°	

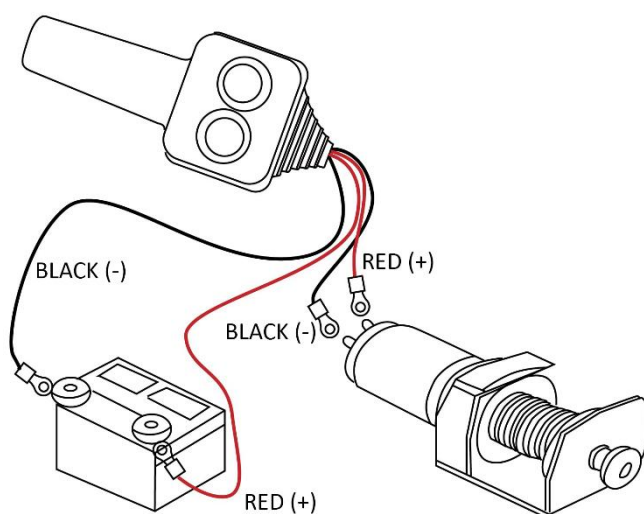
ELECTRICAL WIRING

Refer to the figures for the correct wiring diagram.

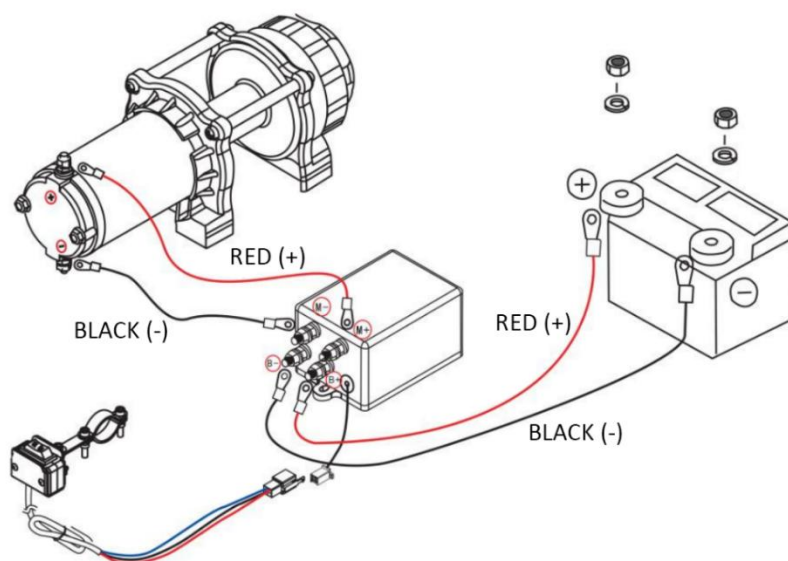
Different winch models may use different wiring configurations, so always follow the wiring diagram specific to your winch.

The battery must be in good condition.

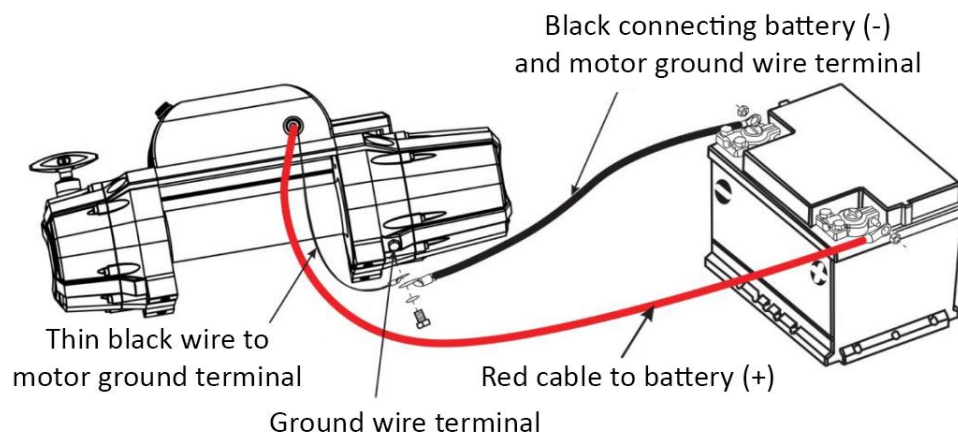
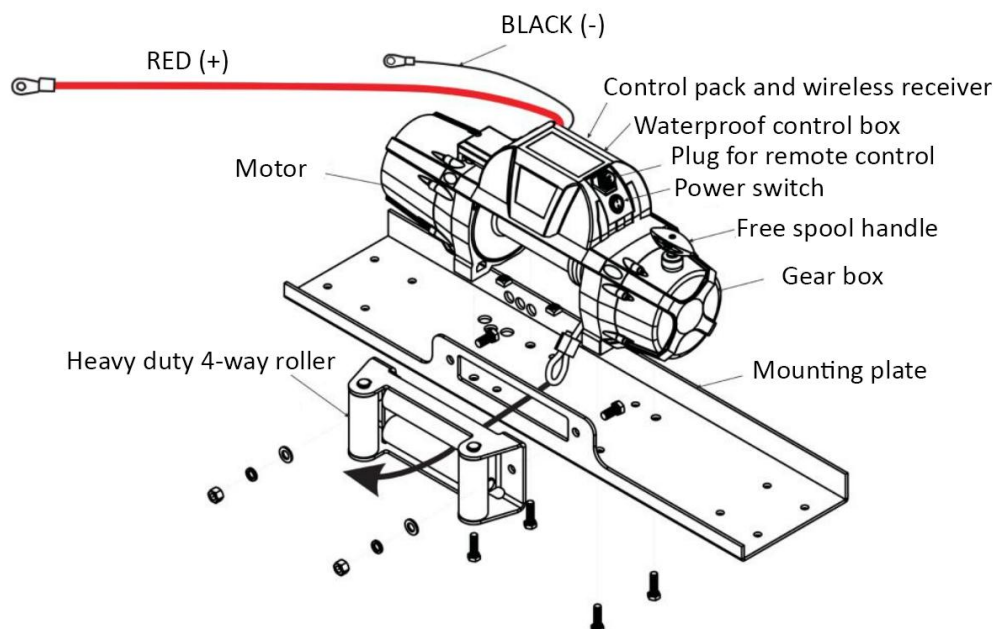
RS-2500



RS-3500



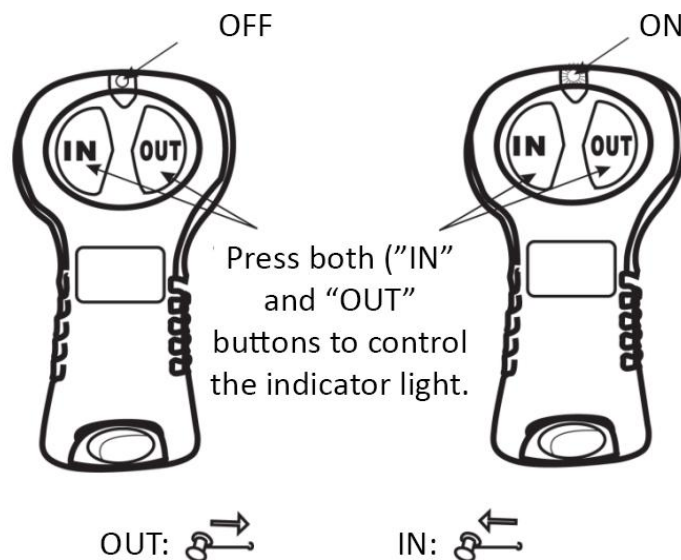
RS-12000



Do not start the electric motor until the gear has engaged! Pull the rope to protect the gear and ensure that it is engaged.

WIRELESS REMOTE CONTROLER

Before beginning operation, familiarize yourself with the Wireless Remote Control and its functions.



Important Notes:

- Turn off the remote (indicator light off) when not in use to prevent battery drain.
- The battery is in the back of the remote — keep it away from water.
- Replace the battery regularly to ensure reliable performance.

MAINTENANCE

Check	Before first operation	After each use	Every 90 days
Read the instructions fully to understand winch operation.	✓		
Check all fasteners for proper torque; replace any damaged fasteners.	✓		✓
Verify wiring to all components is correct and all connections are tight.	✓		✓
Ensure no exposed/bare wiring, damaged terminals, or cable insulation; cover exposures with terminal boots and repair/replace damaged cables.	✓		✓
Inspect rope for damage; replace immediately if damaged.	✓	✓	✓
Keep winch, rope, and switch control free from dirt and debris; clean with a rag or towel.		✓	
Check and replace the battery in the wireless remote control if necessary.	✓		✓
Turn off the power after use.	✓	✓	✓



TROUBLE SHOOTING

If the winch fails to operate after several attempts, or if it malfunctions during operation, check the following:

Symptom	Possible cause	Remedy
Winch will not operate	Circuit cut or loose connection	Check battery cable
	Remote battery is critically low	Replace or recharge battery
	Wireless signal strength is low	Reduce distance between remote control and winch
	Damaged overload protector	Replace overload protector
	Loose wiring connections	Check and tighten all wiring
	Damaged or stuck solenoid	Replace solenoid
	Defective remote control	Test winch operation with an auxiliary switch
	Damaged motor or worn carbon brush	Replace motor or carbon brush
	Winch control pack is underwater (wireless signal cannot transmit)	Move control pack above water
Motor runs in one direction	Broken wiring or bad connection	Reconnect or replace wiring
	Damaged or stuck solenoid	Replace solenoid
	Inoperative switch	Replace switch
	Dropped or lost wiring connection	Reconnect or replace wiring and tighten
Drum will not free spool	Free spool not disengaged	Disengaged free spool
	Damaged brake or free spool assembly	Replace brake or free spool assembly
	Damaged gearbox	Replace gear box
No brake	Damaged on inoperative pressure spring	Replace pressure spring
	Free spool disengaged	Engage free spool
	Damaged inner gear plate	Replace inner gear plate
	Damaged inner gear	Replace inner gear
Winch runs in	Motor leads crossed	Reverse electric connections to motor

the opposite direction	Solenoid control crossed	Reverse black and red wires on solenoid
	Remote control or trigger switch crossed	Reverse electric connections
Motor runs extremely hot	Prolonged operation	Stop operation and make it cool
	Overload	Reduce load
	Damaged or inoperative of brake	Replace or repair the brake

ENVIRONMENT DISPOSAL INFORMATION

- Do not dispose of batteries in general household waste. Follow local waste disposal regulations, which can be obtained from your local authority.
- Electrical and electronic equipment must be disposed of separately from household waste at designated collection points provided by local authorities.
- Products bearing the crossed-out wheellie bin symbol are subject to European Directive 2012/19/EC.
- Proper disposal and separate collection help prevent potential harm to the environment and human health. They are also essential for enabling the re-use and recycling of electrical and electronic equipment.

For more information on the disposal of used equipment, contact your local authority or refuse collection service.

ADDITIONAL TIPS

Using a pulley significantly increases the pulling power of the winch.

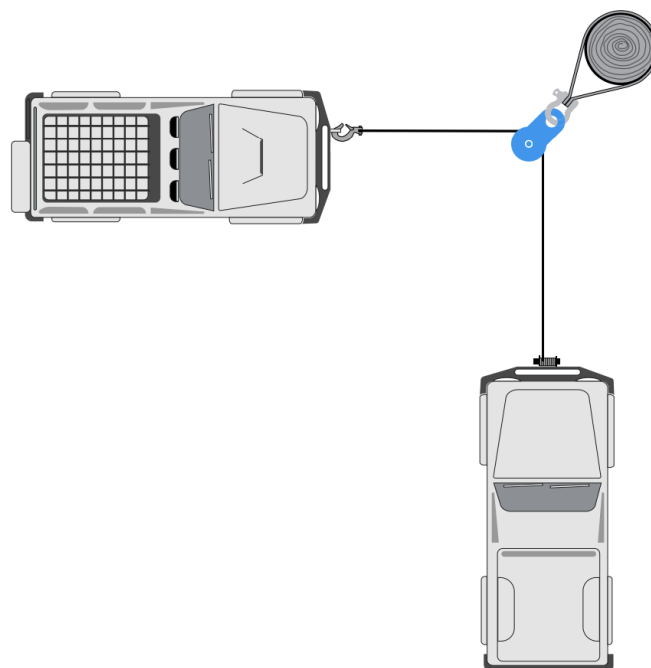
Each pulley used in a winch pull increases the overall pulling power of the winch. However, with every additional pulley, the winching speed is reduced. In many recovery situations, a slower, more controlled pull is safer and more effective.

A pulley serves two main purposes in recovery winching:

- Change the direction of the winch line when the anchor point is offset.
- Increase the pulling power of the winch for more effective recoveries

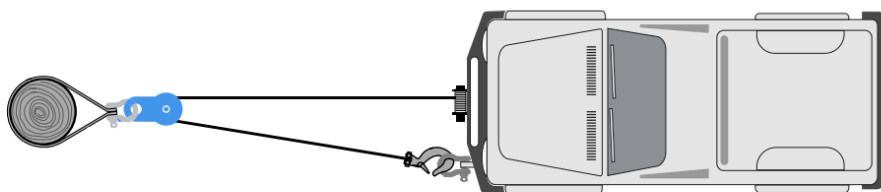


USING A PULLEY TO CHANGE PULLING DIRECTION

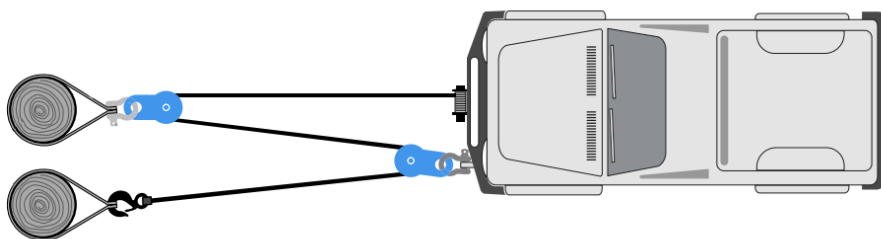


USING A PULLEY TO INCREASE WINCH PULLING POWER

Double line



Triple line





CERTIFICATE

No. 3N241112.NHRSC88

Test Report / Technical Construction File no. MTZ128210283MD, MTZ128210283EMC

Certificate's Holder: Ningbo High Roc Mechanical & Electrical Co.,Ltd.
NO.2 Wangdong Industry Rd., Shangtian Str., Fenghua Dist.,
Ningbo Zhejiang 315500

Manufacturer: Ningbo High Roc Mechanical & Electrical Co.,Ltd.
NO.2 Wangdong Industry Rd., Shangtian Str., Fenghua Dist.,
Ningbo Zhejiang 315500

Certification
ECM Mark



Product: ELECTRIC WINCH

Model(s): (see the following annex)

Verification to: Standard:
EN ISO 12100:2010, EN 60204-1:2018,
EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019

related to CE Directive(s):
2006/42/EC (Machinery)
2014/30/EU (Electromagnetic Compatibility)

Remark:

The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directive/standard. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. This document was issued in accordance with regulation RGVOL01 published on the website of www.entecerma.it and concerning voluntary certifications with a non-notified procedure.

Issuance date: 12 November 2024

Expiry date: 11 November 2029

For online check:



Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni



Ente Certificazione Macchine Srl

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Annex I

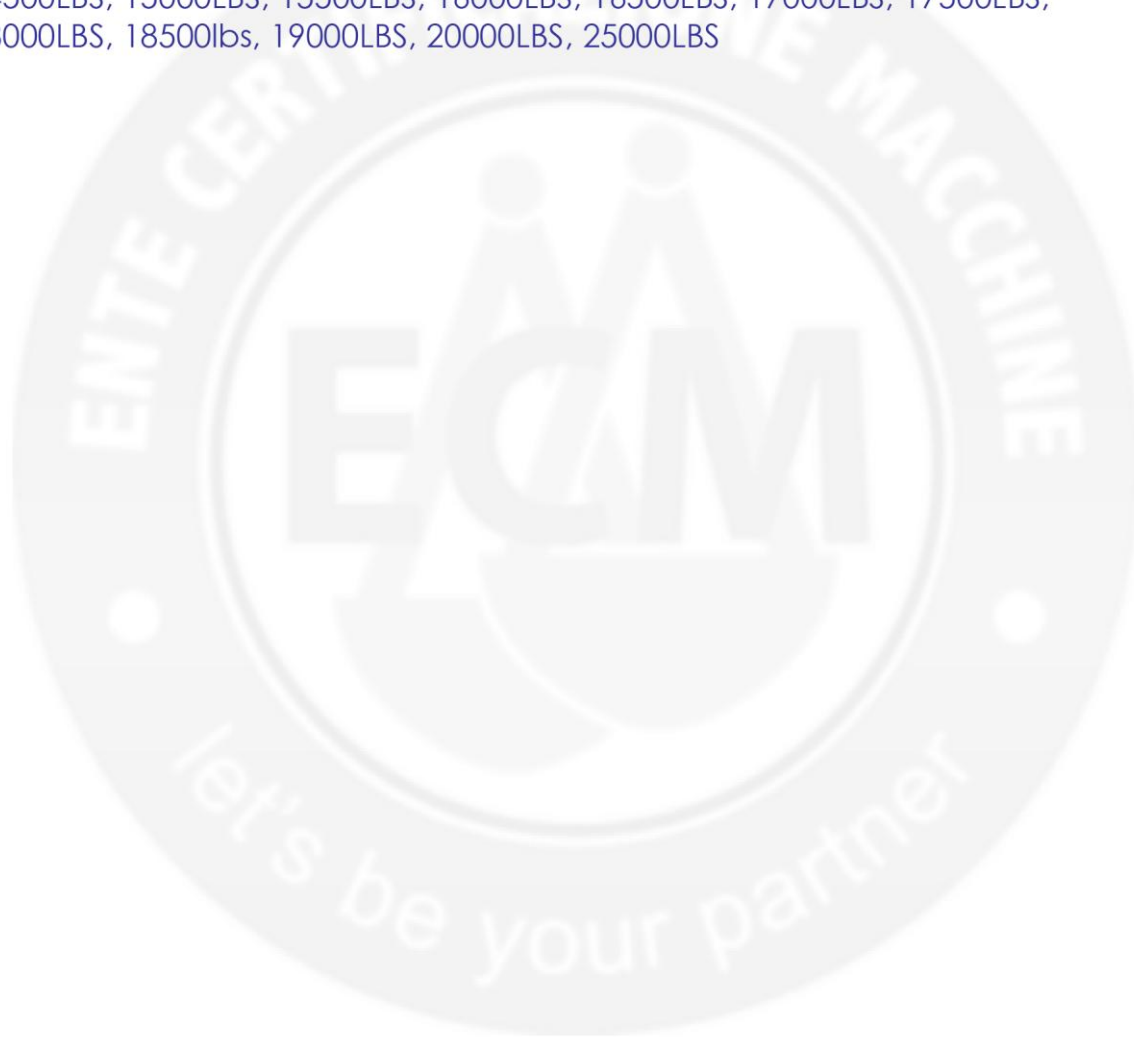


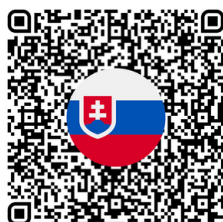
No. 3N241112.NHRSC88

Test Report / Technical Construction File no. MTZ128210283MD, MTZ128210283EMC

Model(s):

2000LBS, 2500LBS, 3000LBS, 3500LBS, 4000LBS, 4500LBS, 5000LBS, 5500LBS, 6000LBS, 6500LBS, 7000LBS, 7500LBS, 8000LBS, 8500LBS, 9000LBS, 9500LBS, 10000LBS, 11000LBS, 12000LBS, 12500LBS, 13000LBS, 13500LBS, 14000LBS, 14500LBS, 15000LBS, 15500LBS, 16000LBS, 16500LBS, 17000LBS, 17500LBS, 18000LBS, 18500LBS, 19000LBS, 20000LBS, 25000LBS





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