

ABOUT WINCH SOLUTIONS USA

Winch Solutions USA (Under Detail K2) is the transatlantic company of Winch Solutions UK, established in 2004 to supply Champion Winches and Recovery Equipment. It is one of the biggest and most successful players and a brand leader in the UK. Now Winch Solutions USA brings this unique expertise to the North American and Canadian market under the Warrior Brand.

British-designed and engineered, Warrior winches and recovery equipment have won an enviable reputation for uncompromised performance in the most demanding of conditions. Users range from private owners through commercial organisations and fleet operators, through to recovery companies and British military. Applications include recovery, leisure, marine, off-road and contractor plant. The winch ranges have been specifically designed for professional trade and individual users who need powerful and reliable tools for hauling, pulling and dragging applications.

With an ongoing policy of R&D and new product development – frequently in association with suppliers and companies within the professional recovery industry and also with individual customers – Winch Solutions is regarded as an industry leader in this specialist field. At Winch Solutions USA we understand that the concept of customer service is about ‘walking our talk’. Quality, reliability and total performance are our user promise. Our mission statement – Value Without Compromise means always putting our customers first.

OUR GUIDING PRINCIPLES REMIND US OF WHAT IS IMPORTANT



We are committed to continuously strengthening our brands and products to improve our competitive position.



We are customer-focused, both distributor and end user and therefore we continuously improve the quality, look, feel and image of our products and our organisational structures to match and exceed customer expectations and to provide them with the highest value.



We are an innovative and design aware company who seek to improve the quality, design and aesthetic look with every product we bring to market.



We are dedicated to consistently delivering outstanding products and consistently effective customer service.

HOW TO CHOOSE YOUR WINCH

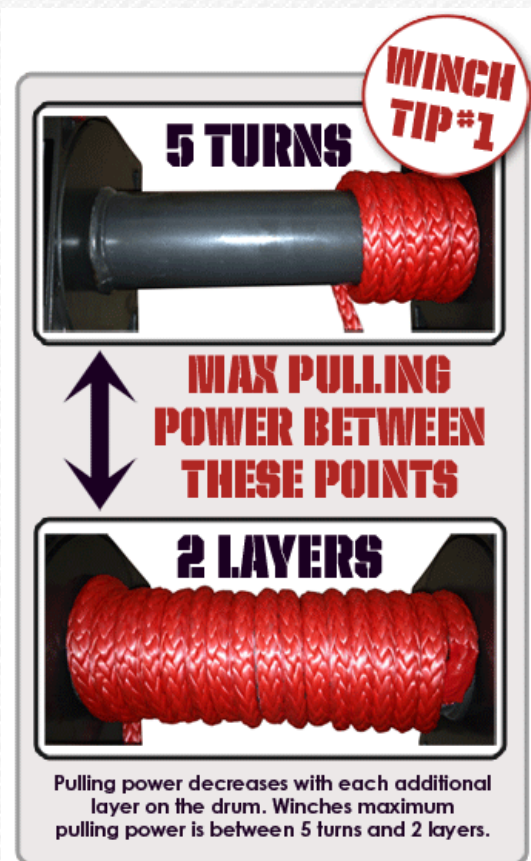
In order to ensure the correct winch selection and correct method of use please take time to read the following information.

Failure to select the correct winch and incorrect operation can potentially reduce the life cycle of your winch and result in premature failure.

Winches used under certain conditions i.e. Salvage, recovery and off road applications will require a much higher rated winch than that of a less frequently used winch used for a rolling load such as a small boat, caravan or car onto a trailer.

Winches mounted on a four wheel drive, or trailer can save a lot off effort. Selection of winch capacity for loading needs to be carefully considered. Winches need to be powerful enough to pull your vehicle whilst overcoming the added resistance caused by obstacles such as moving water, gradients, mud, snow or sand.

MAXIMUM LINE PULL OR RATING



This is the maximum effort that the winch can exert on a single line on the first layer of the winch drum.

As the layers of cable build up on the winch drum, the overall cable speed increases, however the rated line pull decreases at the same rate. By using a snatch block to obtain a "double line pull" you can in effect almost double the pulling capacity of your winch, whilst approximately halving the overall recovery speed.

It is good practice to use a snatch block when performing a "heavy" self recovery as it will decrease the current running through your electric winch motor and helps to prevent overheating and damage to the unit.

HOW TO WORK OUT THE CAPACITY OF WINCH YOU NEED

Ideally the rating of your winch should be in excess of 1.5 times the gross weight of your vehicle. Put simply, a 2 tonne Land Rover should be equipped with a winch with a capacity of 3.5 Tonnes or greater.

WINCH SAFETY

Vehicle recovery is a high risk activity. The risk can be reduced with some prior training, planning and preparation, and a disciplined approach to the recovery task.

Become familiar with the owner's manual. Be sure to read and understand how to use your winch properly. Winches are used for pulling not for lifting. Be sure to choose the right winch for the job.

Winches are normally fitted to vehicles to provide a self-recovery capability, or to provide the capability to recover another vehicle, or to move heavy objects. A winch will be rarely suitable for recovery use without some additional equipment to compliment it. Some of the additional recovery equipment should include a snatch block, some "D" shackles, a short length of 3/8 inch chain, a tree trunk protector and a shovel.

OPERATOR TRAINING

A winch which is not used correctly is a significant safety risk. It is vitally important that the drivers of vehicles which are equipped with a winch are properly trained in its safe operation. Regular training and practice will ensure safer and more competent use during an emergency situation.

GENERAL SAFETY PRECAUTIONS

The following general safety precautions will reduce the risk:

Operator must be trained to know and understand the use of the winch and how to perform safe winching operations. Sturdy gloves must be worn to protect hands from injury, particularly when handling the wire rope.

Winches should never be submerged in water. If a winch is submerged it must be inspected and serviced by a technician immediately to prevent corrosion damage and to ensure its ongoing safety and reliability;

SAFETY PRECAUTIONS FOR PREPARING A RECOVERY TASK

The following safety precautions must be implemented when preparing a recovery task:

- Practice using the winch before you need to use it.
- Do not rush. Take the time to plan and prepare carefully.
- Estimate the load to be winched.
- Use the correct equipment and do not take shortcuts.
- Recheck the condition of the wire winch rope and any other equipment being used for serviceability and any obvious damage.
- Ensure that the winch controls (remote pendant) are not plugged into the winch while setting up.
- Do not exceed the rated safety capacity of the wire rope. Use a double line (2:1) recovery layout if required. If the winch rope must be anchored back onto the winch vehicle when using a 2:1 layout do not attach it to the winch frame as this will double the forces acting on the frame. Attach it to the chassis.
- Never use a winch as a hoist. Winches are for pulling not for lifting.
- Do not use the winch rope as a tow rope.
- Do not use the winch rope to secure cargo on a vehicle.
- Do not attach a winch rope to a vehicle's tow ball, axles or suspension.

- Wear leather gloves when handling wire rope. Do not allow the rope to slide through the gloves .
- Use the hook strap supplied with the winch to pull the winch rope from the drum.
- Endeavour to set up the wire rope so that it is retrieved at a 90 degree angle to the winch drum. (straight pull) This will ensure that it is rewound onto the winch drum evenly and will avoid the damage and delays when over stacking and binding occur.
- Do not hook the wire rope back onto itself. Use a choker chain or sling instead.
- Remove any obstructions which may interfere with the safe winching operation.
- Ensure that any anchors used are strong enough to hold the load .
- Place a bag or a blanket over the winch rope to minimise cable whiplash damage if it breaks. In the absence of a bag or a blanket consider using a heavy jacket or leafy branches.
- Only allow one person to handle the wire rope and the winch controls (remote pendant).
- Establish no go safety zones for assistants and onlookers.

WHY YOU SHOULD CHOOSE WARRIOR WINCHES

WARRIOR WINCHES EXTRA'S AS STANDARD

There are many choices of winch available, some cheap, some expensive. A good proportion of winches on the market are generic mass produced winches, not for any specific application but just badged differently by each seller.

There are also some well designed winches on the market, extremely competent and good at what they are intended for, but wildly expensive and relying on a Brand name to justify the price.

Warrior Winches however are well designed, they are extremely competent, they offer the same if not better features than the competition, but not at 'high dollar' prices.

In short, Warrior Winches are the most competitively priced PREMIUM Brand available on the market today.

The Warrior brand is now established as one of the biggest selling winch brands in Europe today, we believe we have the largest range of winches available, we carry in stock winches with capacities ranging from 1 tonne to 50 tonne.

A an extensive customer base including OEM's, utility companies, professional recovery operators, RAC and the British Military all agree Warrior winches are the professional's choice.