

### Product Record

This documentation should be issued with and kept for each item or system. Please see the product label for the details required below. Consult this guide for advice on inspection, maintenance, lifespan, etc.

Owner / User's Name:			
Date of Manufacture:		Date of Purchase:	
Date of First Used:		Product Serial No.:	

### Inspection & Maintenance Record

Date & Time	Type of Inspection & Comments	Name & Signature of Inspector	Next Inspection Due

### Certificate Of Conformity

We certify that the SAR Winch conforms to the statements made within this document and within the Andersen Winch User Guide. This item is not Personal Protective Equipment.

Signature:  ..... For SAR Products Ltd

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Products Ltd.

## User Guide Winch



Serial No.:

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# SAR Winch

## Important:

Please read and understand these instructions before use. This product should only be used by trained & competent operatives, or under the supervision of such a person.

## Use

The SAR Winch is used for achieving mechanical advantage in work or rescue situations using fibre rope. It can be used attached to the leg of any SAR portable anchor (eg. Quadpod) using the supplied plate, or can be used independently when attached to a suitable anchor. A 9.5:1 ratio can be achieved by turning the handle anti-clockwise, and a 28.6:1 ratio clockwise.

It is the user's responsibility to ensure that any items of PPE or other equipment used with the Winch are compatible and do not interfere with the safe function of any other component. Any item of equipment used must comply to the relevant standard(s). The SAR Winch does not fall under PPE regulations.

**Note:** The information in this guide is not comprehensive and cannot be substituted for the correct training, which can be provided if required. If in any doubt, contact SAR Products using the supplied information.

## Safety

The safety and effectiveness provided by the SAR Winch is dependant on the scenario, the anchors used and the skill of the user. The strength and suitability will be reduced through factors such as, but not limited to, age, wear & tear, abrasion, cuts, high impact loads, tight/sharp edges, knots, some chemicals, UV exposure, environment (damp or icy conditions), failure to store & maintain as recommended, etc.

A rescue plan should always be in place prior to any work at height. Do not alter or repair the product in any way. Use in normal climatic conditions.

Any component subjected to a dynamic loading should be examined and discarded if there is any sign of defect, or any doubts about its safety.

A safety back-up device or second line must be incorporated if used for lifting / lowering persons.

## Lifespan

The lifespan of any product will be affected by the conditions in which it is used and stored/maintained. This product is manufactured using stainless steel, brass, and other materials. Metal components will have an indefinite lifespan, depending on use. The working life will be reduced through general wear and tear, abrasion, cuts, damage to component parts, inappropriate ancillary equipment, high impact load, elevated temperature (50°C max), exposure to some chemicals or failure to store and maintain as recommended. This list is not exhaustive.

## Anchorage

Anchor points should always be assessed for strength and suitability for the task (EN795, minimum 12kN). Sharp edges, abrasive or high temperature surfaces should be avoided or protected against.

## Cleaning

Rinse in clean cold water. Use a non-abrasive cleaner to remove any grease or staining.

## Inspection

Before each use, conduct a visual inspection and function test to ensure the product is in serviceable condition and operates correctly. A periodic examination should be carried out at by a competent person at least every 12 months. These inspections should be recorded, paying particular attention to areas of potentially high wear such as attachment points, textiles, cams, bearings, springs, etc. It is the user's responsibility to ensure they comply with the guidance for inspection in their own country or region.

**Metals:** Check for cracks, distortion, corrosion, wear by abrasion, burrs, worn or loose rivets or screws, discolouration caused by extreme heat (greater than 100°C) broken springs, seizure of moving parts, broken or missing components, marking legibility.

Immediately withdraw from service any items showing defects. Any repairs must be carried out by the manufacturer or their authorised agent.

Andersen recommend lubrication ONLY with Andersen Winch Grease. This should be done once every two years under light use, or once annually under heavy use. The pawl arm springs should be replaced every second year. Servicing, lubrication or any other intrusive tasks must be done by a competent person using approved tools and parts. Alternatively please contact SAR reference servicing the winches for more information.

## Maintenance

Always keep the product clean and dry. Any excess moisture should be removed with a clean cloth and then allowed to dry naturally in a warm room away from direct heat. Andersen Winch Grease is strongly recommended for lubrication. Excess lubricant should be wiped off to avoid attracting dirt.

## Chemicals

Avoid contact with any chemicals which could affect the performance of the product. If contact occurs, or is suspected, then remove the product from service immediately. If used in a marine environment, thoroughly rinse in clean cold water and dry after each use.

## Storage

After cleaning, store unpacked in a cool, dry, dark place away from excessive heat sources or other possible causes of damage. Do not store wet. Transport in a suitable protective bag. If a long shelf life is required it is advisable to store in a moisture proof package.

## Warning

Work at Height and Rescue are hazardous activities. It is the user's responsibility to ensure understanding of the correct and safe use of this equipment, to use it only for the purposes for which it is designed and to practise all proper safety procedures. The time that a casualty is suspended should be kept to a minimum. Attention should be paid to the dangers suspension trauma. The user shall ensure that the safe function of this product is not impaired by, and does not impair, the safe function of another component or system.

## Markings

Each individual component is marked, where applicable, with:

- The name, trademark or any other means of identification provided by the manufacturer or supplier.
- The batch or serial number
- The date of manufacture (DoM)
- Product description and/or reference

Strengths quoted are when the product is tested new and are in accordance with the manufacturer's test methods to the appropriate standard. Any weights and measurements are within the standard's specified tolerances.

## Specification

Min rope diameter: 8mm  
Max rope diameter: 14mm  
Weight of winch: 3.9kg  
Weight of winch & plate: 6.1kg

It is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.

Nothing in this document affects the consumer's statutory rights.

## Usage instructions

When used as shown, and with a fair condition 11mm SAR Low Stretch rope, the Winch will slip at around 250kg, thereby limiting the load on components before any overloading can occur. The Winch may be used with a power drill and a suitable adapter; it is the user's responsibility to ensure compatibility.

## Hauling

- Wrap the rope twice around the drum. **Fig 1**
- On the third turn, wrap the rope over the self tailing arm. **Fig 2**
- Finally, wrap the rope between the grooved drive plates and over the self tailing arm again. **Fig 3**

## Lowering

Control the rate of lower using friction by releasing one turn from the drive plates. **Fig 2**

## Fitting to the Quadpod

- Use the lower fixing hole to fit the plate to the selected leg using the eye pin. Ensure the safety clip is replaced. **Fig 4**
- Secure the top of the plate around the leg using the upper fixing hole and the second eye pin. Ensure the safety clip is replaced. **Fig 5**

**IMPORTANT:** The self tailing arm must be orientated in the correct direction as shown in **Fig 3**

Always ask another operative to conduct a check to ensure all of the above is correct before committing to height. Correct fitment should be regularly checked during use.

Fig 2



Fig 3



Fig 1



Fig 4



Fig 5

