

### 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 Casualty Pulley System 6:1 conforms to all the of the manufacturing strengths stated in this document and has been designed for rescue only and does not fall under the PPE regulations.

Signature:.....  ..... For SAR Products Ltd

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Products Ltd.

## User Guide: Casualty Pulley System 6:1



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The Casualty Pulley System is made using small marine pulleys and 6mm prussic cord. When tested with the cord in its locking cleat it held at 9kN and the only deformation was on the axles on both pulley sets.

### Specifications

Max. Working Length:	2m
Pulley working ratio:	6-1
W.L.L. 150kg Safety factor:	6-1
Pouch Size:	16cm x 16cm x 7cm
Weight:	812g

Pouch attaches onto harness waist belt and comes with its own waist strap.

### Immediately prior to use

Check your SAR Casualty Pulley System for any damage or malfunction. Do this prior to and immediately after all use. The pulley system comprises of an ascender having an anodized aluminium body and stainless steel cam. The pulleys are made of stainless steel with plastic wheels. The cord is 6mm nylon with a steel plated maillon connector and alloy anodized karabiner. If there is any doubt about the safe condition of the ascender it should be withdrawn from use and inspected by a competent person recommended by the manufacturer or returned to the manufacturer. A record of inspections should be completed at regular intervals dependent on usage. It is recommended that a minimum yearly examination be carried out by a competent person.

### Cleaning

Keep the product clean and dry. Remove any excess moisture with a clean cloth then allow drying naturally in a warm room away from direct heat. First rinse in clean cold water. Clean off tar based products with appropriate petroleum solvents following the instructions for use for such products. Afterwards wash, rinse and dry as described above.

### Chemicals

Avoid all contact with any chemicals which could affect the performance of the product, these include all acids and strong caustic substances (e.g. vehicle battery acid, bleach, etc.). If used in a marine environment always rinse the product in clean cold water after each use and thoroughly dry as directed.

### Lubrication

After cleaning and drying and before storing, metal components, particularly those with moving parts should be lubricated sparingly using a light oil, or they may be lightly greased making sure that lubrication does not come into contact with any parts that rely on friction with rope.

### Storage

After any necessary cleaning dry completely, store packed in a dry place in a chemically neutral environment away from excessively high humidity, corrosives or other possible causes of damage. Do not store wet.

### Transportation

Care should be taken to protect the equipment against risks such as those detailed under Lifespan. A simple, effective way is to transport the equipment in a suitable bag or other container.

### Lifespan

It is difficult to estimate this but as a guide we advise as follows: Do not use more than ten years after date of first use. Cord, five years after first use, then replace the cord.

Working life will be reduced through weather, UV, age, general wear and tear, damage to component parts, inappropriate ancillary equipment, high impact load, prolonged exposure to corrosive atmosphere or chemical agents or failure to store and maintain as recommended. This list is not exhaustive but in normal usage and with regular cleaning and lubrication it should be in excess of five years.

### Normal Use for Casualty pulley system

- 1 Attach a safety sling or rope to the casualty prior to use with the casualty pulley system.
- 2 Attach ascender to rope above casualty.
- 3 Extend system and clip in casualties harness. Fig 1
- 4 Keep casualty on a safety back-up sling at all times.
5. Tension pulley system to take the load of the casualty prior to fitting a SAR Rescue Strop or continue lifting casualty to enable you to position a stretcher below.
- 6 Once the casualty has been lifted in position keep the tension on the system and lock the cord off into the 'V' locking cleat and secure with two half hitches. Figs 2,3, 4 & 5
- 7 To release or lower the casualty on a stretcher. Hold the tail rope of the pulley system, then release the two half hitches. Taking more of the tension pull the rope until you hear it click out from the 'V' locking cleat. Fig 6.
- 8 Keep the tension on the system and lower gently onto the stretcher. Do not remove the safety back-up or the pulley system until the casualty is safe and secure onto the stretcher or into your rescue system.

Fig 1.

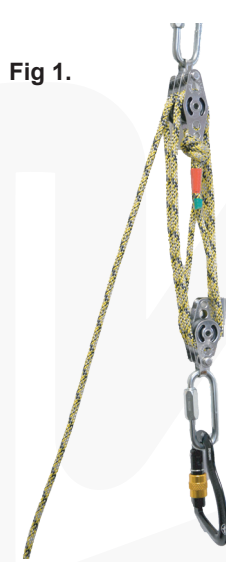


Fig 2.



Fig 3.



Fig 4.



Fig 5.

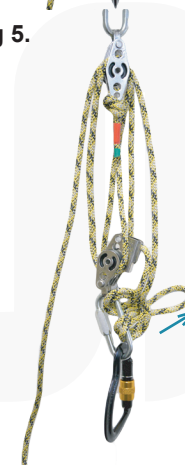


Fig 6.

