

# ENG

## FOR YOUR OWN SAFETY, IT IS IMPORTANT THAT YOU READ AND FULLY UNDERSTAND THIS USER MANUAL!

This document gives information about the correct use of the Pulley aid system. These instructions must be read and fully understood by all persons who are going to use the Pulley aid system. We also recommend that all employers must read these instructions carefully, to ensure a good safety level together with a full understanding of the product and its use.

### INTRODUCTION

This Pulley aid system is designed for lifting, lowering and hold loads as aid when handling objects for e.g installation or other similar use in accordance with the limitations for load set out under "Technical data" in this user instruction.

This equipment is tested in accordance with EN 13157:2004+A1:2009 Directive 98/37/EG.

**Warning!** Store protected from UV-light and chemicals harmful to the equipment

**Warning!** The user-/s must be in good physical and mental condition. In case of known disorder, the user must be aware of possible consequences, as conditions such as cardiovascular conditions, diabetes, blood pressure deviations, epilepsy and balance problems or any other medical condition that can be hazardous to the safety using the equipment.

**Warning!** Do not make any alterations or additions to the equipment without the manufacturer's prior written consent, and any repair shall only be carried out in accordance with the manufacturer's procedures and guidelines.

**Warning!** Do not use the equipment outside its limitations or for no purpose other than that which it is intended.

**Warning!** Not to be used in an explosive environment (EX classified area)

**Warning!** Incorrect use of this equipment may cause personal injuries. Use necessary personal protective equipment

**Warning!** Incorrect use of this equipment may cause property damages

**Warning!** Exceeded WLL may cause failure to the equipment leading to severe personal injuries and property damages

### MARKING AND ILLUSTRATIONS (FIGURE 1)

- Article description
- Article number
- Serial number
- Date of manufacturing (year-month)
- Effective work length
- Working load limit
- User manual
- CE mark
- Standards
- Producer

### USE - PRE-CHECK

**1. Note!** Before use of the equipment always check the function and condition to ensure safe usage.

**2. Check the legibility of the markings of the device and rope.**

Check the rope along its entire length for any signs of chafing, varying thickness, cuts, chemical especially acids contact, change of shape, UV-degradation, stiffness or other deformation with permanent kinks. Check the end terminations for any loose threads or damage.

Check the connectors for any signs of significant corrosion, wear, deformation, cracks and limited gate function. Check the pullies for any cracks, deformation or missing parts. Check the function and spring action of the rope locking mechanism. Check fixing screws/bolts.

**Note!** Reset any entanglement of the pulley aid system before and during use to ensure mechanical advantage and risk of blockage.

**Note!** Change or adding missing Carabiner, any EN 362 certified is suitable.

**Warning!** Withdraw the device immediately until confirmed in writing by a competent person if any doubts arise about its condition for safe use.

**Warning!** Always use a fall arrest system if there is a risk for fall when rigging the equipment.

**Warning!** Extreme temperatures may affect the capacity of the device.

**Warning!** Protect the rope for any edges that may compromise its integrity.

**Note!** Only connect to a structure with a minimum strength of 10kN or designed for the purpose. Strive to protect from edges that could damage the rope

### TECHNICAL SPECIFICATION

Type:	Pulley aid system
Rope:	Kernmantle rope 6mm
Material/Construction Rope:	Kernmantle Polyester/Polyester
Mechanical advantage:	6:1
WLL:	150kg
EWL:	Marked on product
MBS:	1000kg
Max. ambient temperature:	+60°C
Min. ambient temperature:	-40°C

### OPERATION

See figure 2.

Figure 3: Locked off

Figure 4: Lifting

Figure 5: Lowering

**Warning!** Risk of crush and chafe injuries. Use safety gloves when operating the pulley aid system to minimize risk of injuries.

**Warning!** Risk of dropped load. Use safety shoes when operating the pulley aid system to minimize risk of injuries.

**Note!** Reset any entanglement of the pulley aid system during use to ensure mechanical advantage and risk of blockage.

**Note!** If possible, use a secondary system that catches the load in case of unintended loss of control.

### MAINTENANCE AND INSPECTION

**Note!** During transport and storage, keep the device dark and dry.

Inspection and service of the equipment must be carried out by the manufacturer or a partner whom is authorized by the manufacturer and in accordance with the manufacturers guidelines.

If stored, maintained as described and used in normal condition, the expected lifespan of this device is 5 Years.

**Note!** The device shall be stored in a dry, dark and well-ventilated location, protected against steam, sharp edges, vibration and UV-light. The device shall be kept clean for best functionality and durability. Metal parts can be blown clean with compressed air. Avoid lubricating oil! Lightly soiled devices can be washed with a brush in lukewarm water. A mild soap solution can be used. Wet devices is hung up to dry. The device shall be allowed to air-dry without being subjected to open fire or any other heat source.

**Warning!** For the user's safety the device shall be inspected at least every twelfth month in order to ensure its functionality and durability

**Note!** In cases of frequent usage of the device or in aggressive environments, inspections shall be carried out at shorter intervals (as decided by a trained competent person).

**Warning!** The device must not be modified or supplemented using accessories other than those supplied by the manufacturer. Repairs or replacement of parts may only be carried out by the manufacturer.

**Warning!** Do not make any alterations or additions to the equipment without the manufacturer's prior written consent, and any repair shall only be carried out in accordance with manufacturer's procedures.

### INSPECTION CRITERIA

**Rope:** Check the entire length of the rope for damage including cuts, nicks, abrasion, fraying, discolorations, heat or chemical damage, UV degradation and moisture.

**Connectors:** Check gate function, abrasion, deformation, corrosion, cracks and nicks

**Device:** Check for any signs of corrosion, cracks nicks, deformation, abrasions

**Markings:** Legibility of marking, serial no. date of manufacturing

**Ageing:** The pulley aid system is made from material that is subjected to ageing. Check the date of manufacturing in accordance with the expected lifespan. Ex. 5 years

### SUSTAINABILITY & RECYCLING.

We design and manufacture premium products, with premium materials, to be used actively and to last long.

When the product is decided to be taken out of use, or its maximum lifetime has expired, it should be recycled according to your local legislations.

Our products are made of polyester, polyamide or PVC and metal components. If necessary, dismantle the metal components before recycling.

You can also send the complete product to Cresto and we will take care of the recycling to reduce our impact on the environment.

### COMPLIANCE

Manufacturer:

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