

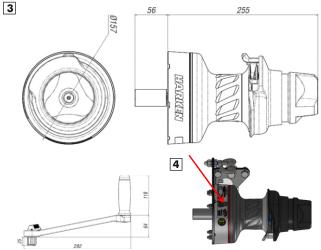
Universal rescue capstan

RUP505-U

Machine Directive 2006/42/WE EN 1496:2017/B







KABESTAN RATOWNICZY RUPSOS- I LICHMA TUDO ZLIM MEÁREMICZA O SEEMICY RIEM EST 1914 MA PARMANAM I MESTOSOWIÁ Z LIMA, STALOWA I DOPUSZCZIALNE OBOGLÁSZIE ROSOCZE: 148 kg 1 DOPUSZCZIALNE OBOGLÁSZIE ROSOCZE: 148 kg 1 I NA BERNIE NALEŻY NAWINĄĆ MIN. 4 ZWOJE LINY I NA BERNIE NALEŻY NAWINĄĆ MIN. 4 ZWOJE LINY I PODNOSZENIA: PODNOSZENIA: PROTEKTI PODNOSZENIA: PROTEKTI PROTEKTI PODNOSZENIA: PROTEKTI PODNO



EN - NOTE: Before use of this equipment carefully read this instruction manual

Figure 1 - Overview

GENERAL DESCRIPTION

Universal rescue capstan RUP505-U can be used as a component of rescue equipment. With use of the device a victim can be ascended from a lower onto a higher level or descended from a higher to a lower level. The descending distance cannot exceed 2m.

Capstan can be used for personnel rescue with use of an additional WR / CR / CRW retractable type fall arrester.

TECHNICAL DATA

Working Load Limit (WLL):140kg (rescue) 500kg (materials) Power ratio: Direction 1: 13.5:15, Direction 2: 35.9: Gear ratio: Direction 1: 2.13:1, Direction 2: 6.28:1

Lever length: ~300mm Rope diameter: 10mm Rope type: PA100-10-K-24 Maximum lifting height: Unlimited Weight (without rope): 8.40kg

Universal rescue capstan RUP505-U comprises:

a) Harken Lokhead capstan which can be used to wind and unwind polyamide work rope of 10mm in diameter. The device is fitted with connecting assembly (adaptor RUP505-300 and plate RUP505-008) and connector UTB (AT017-330). Capstan is equipped with automatic brake and mechanism for safe unwinding of work rope

mechanism for safe unwinding of work rope.
b) Polyamide rope, static (rope sold separately) of 10mm in diameter compliant with EN 1891/A (e.g. rope PA100-10-K-24).

Capstan RUP505-U can be mounted to various devices using universal brackets. Please refer to Table 1.

LOAD LIMIT AND STRENGTH

a) GENERAL INFORMATION

Minimum Breaking Strength (MBS): 15kN.

The device can be loaded with work force along the profile to which it is fixed as shown in Figure 2. Maximum load that could be transmitted in service from the device to a permanent structure – 6 kN. If the device is used as a part of fall arrest system, the user must be equipped with an element limiting maximum dynamic forces applied on user while arresting a fall to max. 6kN.

a) LIFTING MATERIALS Working Load Limit (WLL): 500kg Safety Factor (SF): 3:1.

Available work rope length: unlimited c) RESCUE WINCH (PPE)

Working Load Limit (WLL): 140kg

Safety Factor (SF): 10:1.

Available work rope length: unlimited.

Figure 2 – Permissible load direction

2. TRANSPORT AND WEIGHT

Weight of complete device (without rope): 8.40kg.

Personal fall protection equipment must be transported in a package (e.g.: bag made of moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.

3. MAINTENANCE AND STORAGE

The device should be cleaned without causing adverse effect on the materials used in the manufacture of the device. For textile materials (webbings, ropes) use agents suitable for delicate fabrics. Can be washed in hands or in a washing machine. Rinse thoroughly. Wash textile elements with water only. When the equipment becomes wet, either from being in use or after cleaning, allow it to dry naturally, and keep it away from sources of heat. In metallic products slightly lubricate some mechanical parts (springs, hinges, pawls, etc.) on a regular basis to improve their operation. The device should be stored loosely packed in well-ventilated rooms, protected from direct light, UV degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

4. TIME OF USAGE

Maximum time of usage of correctly operating devices is unlimited.

The device must be withdrawn from use immediately and destroyed if it has been used to arrest a fall or there are any doubts concerning its function.

NOTE: Maximum time of usage of the device depends on intensity and environment of use. If the device is used in heavy conditions, being exposed to frequent contact with water, sharp edges, corrosive substances, extreme of temperatures, it may be necessary to withdraw the device after only one use.

5. PERIODIC INSPECTIONS

At least once a year, after every 12 months of use, it is necessary to carry out periodic detailed inspection of the device. Periodic inspection can be carried out by a properly qualified and skilled person. After 5 years of use, it is recommended that periodic inspections are carried out by manufacturer of the equipment or an entity authorised by the manufacturer to carry out such inspections.

6. POSSIBLE INSTALLATION OF WINCH RUP505-U

DEVICE - UNIVERSAL BRACKET

TRIPOD TM1 / TM6 / TM6-T / TM9 / TM9-T / TM9 / TM9-W / TM12 / TM12-2 / TM13 / TM13-T / TM14 /

Tm15 - UTB (AT017-300)

CRANE PAD/LAD - PAD-LAD-UB (PAD100-301-000) CRANE PSD - PSD-UB (PSD100-131-000)

7. GENERAL DIMENSIONS

Figure 3 - Overall dimensions of device

ð	MARKING
Marking:	
a)	Name/ type of device.
b)	Device model designation.
c)	Reference number.
d)	Number/year/class of European sta
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d) Number/year/class of European standard.
e) CE mark and number of notified body supervising production of the equipment.

f) Month and year of manufacture.
g) Serial number of device.
h) Attention: read instruction manual.
i) Mark of manufacturer or distributor of device.
j) Maximum number of simultaneous users

Figure 4 – Location of markings Figure 5 – Identity label of device Figure 6 – "Next inspection" sticker

"Next inspection" sticker should be affixed near identity label and it is necessary to mark month and vear of the next periodic inspection. Do not use the device after this date.

Attention: Before the first use, mark the date of next inspection (date of first use + 12 months, e.g. first use 01.2013 – mark 01.2014). "Next inspection" sticker affixed near identity label.

9. INSTALLING RUP505-U

a) Install the capstan in socket of the universal tripod bracket and secure with automatic pin.





10. INSTALLING CRANK

To install crank unlock the locking gear and fit splines into socket.



11. INSTALLING WORK ROPE

Use only static polyamide rope of 10mm in diameter compliant with EN 1981/A.

ROPE TYPE: PA100-10-L-24 DO NOT USE STEEL CABLE!

Rope of adequate length to be ordered separately Ref. no.: RUP505-400-xx where "xx" – length in m



- a) Put the rope through "pigtail".
- b) Wind minimum 4 rope windings onto reel







c) Pull away brake guard until stop and insert the fifth rope winding inside. The rope should pass







12. LIFTING FUNCTION (MANUAL)

With use of the supplied crank lifting function can be used by rotating the crank in two directions (two possible ratios): Direction 1 (faster / lower load): gear ratio 2.13:1 Direction 2 (slower / higher load): gear ratio 6.28:1



13. DESCENDING FUNCTION

The descending function can be used by unlocking the brake clamp (1) and at the same time moving free end of the rope (2) protruding from the brake gear by hand



14. LIFTING FUNCTION (ASSISTED)

It is possible to use lifting function as electric power assisted with 2-speed cordless drill/driver Milwaukee M18 FRAD-0 (appliance sold separately).



15. INSTALLING MILWAUKEE M18 FRAD-0.

- a) To install cordless drill/driver an additional holder (sold separately) is required: RUP505-500-000.
- b) Remove crank and rest holder RUP505-500-000 against capstan body as shown below, and screw it to the body using 6x M6 screws.
- c) Attach adaptor with splines (delivered with capstan RUP505-U to the chuck of the Milwaukee appliance and clamp.
- d) Mount the splines together with the Milwaukee appliance in the seat for capstan crank.
- e) Secure the Milwaukee appliance against rotation with use of handle.



f) Basic technical data for the Milwaukee appliance: Battery - 18V / 5.0Ah

Rotary speed: 1-speed "L" - 0-350rpm Rotary speed: 2-speed "H" - 0-950rpm Maximum torque - 95Nm Chuck - Key-type, 13mm Weight with battery - 6.4kg

16. GENERAL SAFETY RULES

BEFORE OPERATING MAKE SURE THAT TEXTILE ROPE IS NOT DAMAGED (CHAFFING, KERNMANTLE DAMAGES, ETC.)

CHECK CONDITION OF THE BRAKE AND CAPSTAN REEL FOR FUNCTION. WARNING! THERE IS A RISK OF ELECTROCUTION AND FIRE! (due to use of charger for battery of the Milwaukee appliance).

17. ESSENTIAL PRINCIPLES FOR USE OF PERSONAL FALL PROTECTION EQUIPMENT

- The device RUP506 must be used in accordance with instruction manuals of personal fall protection equipment and standards: EN 361 full body harnesses, EN352-3; EN355; EN360 rescue devices EN362 connectors, EN 795 / TS16415 anchor points
- personal fall protection equipment should be used only by personnel trained in its use.
- personal fall protection equipment must not be used by a person with medical condition that could affect the safety of the equipment user in normal and emergency use.
- prepare a rescue plan to be implemented whenever necessary
- it is forbidden to make any alterations or additions to the equipment without prior written consent given by the manufacturer.
- any repair shall only be carried out by manufacturer of the equipment or his certified representative.
- personal fall protection equipment shall not be used for any purpose other than intended.
- personal fall protection equipment provides individual protection and shall be used by one person only.
- before each use make sure that all parts of fall protection system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.
- it is forbidden to use a combination of equipment where function of any one item is affected by, or interferes with the function of any other.
- before each use of personal fall protection equipment, a pre-use check should be carried out to

ensure that it is in a serviceable condition and operates correctly.

- in particular, inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. For individual devices pay particular attention to:
- in full body harness and work positioning devices: buckles, regulating elements, attachment points (buckles), webbing, seams, belt loops;
- in energy absorbers: attachment loops, webbing, seams, housing, connectors;
- in lanyards and textile guides: rope, loops, thimbles, connectors, regulating parts, splices;
- in lanyards and steel guides: rope, wires, clamps, loops, thimbles, connectors, regulating parts;
- in retractable type fall arresters: lanyard or webbing, retractor and locking mechanism for proper operation, housing, energy absorber, connectors;
- in guided type fall arresters: body, proper guiding, locking mechanism for proper operation, rollers, bolts and rivets, connectors, energy absorber;
- in connectors (snap hooks): load-bearing body, rivets, main pawl, function of locking gear
- at least once a year, after every12 months of use, personal fall protection equipment must be withdrawn from use to carry out periodic detailed inspection. Periodic inspection can be carried out by a person who is responsible for periodic inspections in user's organisation and properly trained in this respect. Periodic inspections can be carried out also by the manufacturer of the equipment or his authorized representative, or an authorized company. Inspect in detail all accessible elements of the equipment paying attention to any damages, excessive wear, corrosion, abrasion, cutting or incorrect function (see the above item.) In some cases, if fall protection equipment has a complex design (e.g. fall arresters), periodic inspections can be carried out by manufacturer of the equipment, or his authorized representative only. After the periodic inspection, date of the next inspection should be marked.
- regular periodic inspections are essential as regards condition of the equipment and safety of users which is dependant on functionality and durability of the equipment.
- during periodic inspection it is necessary to check the legibility of all the equipment markings (identity label of the device).
- all information on protective equipment (name, serial no., purchase date and date of first use, name of user, information on repairs and inspections and withdrawal from use) must be provided in the identity card of the device. It is responsibility of user's organisation to provide the Identity card and to fill in the required details. The Identity card should be filled in by a person in charge of personal fall protection equipment in user's organisation. It is forbidden to use personal fall protection equipment if the Identity card is completed.
- if the equipment is re-sold outside the original country of destination the reseller must provide instructions for use, for maintenance, for periodic inspection and for repair in language of the country where the product is to be used.
- personal fall protection equipment must be withdrawn from use immediately if any doubts arise in regard of its condition, or proper operation. The equipment must not be used until manufacturer of the equipment carries out a detailed inspection and gives his written consent to use the equipment again.
- personal fall protection equipment must be withdrawn from use immediately and destroyed if it has been used to arrest a fall.
- full body harness is the only admissible device to be used to support the user's body in personal fall protection equipment.
- in full body harness use only attaching points (buckles, loops) marked with capital letter "A" to attach a fall protection system.

18. GUARANTEE

The manufacturer grants a guarantee for 12 months from the date of purchase of the device. If a defect is found in any part, the guarantee and warranty period for this part is extended by the time of repairs and effective removal of the found defect. The following are covered by the guarantee: defects in material, structural defects, anti-corrosion coating defects.

Manufacturer:

MODEL AND TYPE OF FOLIPMENT

SERIAL/BATCH NUMBER

REFERENCE NUMBER

PROTEKT - Starorudzka 9 - 93-403 Łódź - Poland tel. +4842 6802083 - fax +4842 6802093 - www.protekt.com.pl Notified body supervising production of the equipment: APAVE SUD EUROPE SAS (no 0082) - CS 60193 - F13322 MARSEILLE CEDEX 16 - FRANCE

IDENTITY CARD

It is the responsibility of the user organisation to provide the identity card and to fill in the details required. The identity card should be filled in before the first use by a competent person, responsible inthe user organization for protective equipment. Any information about the equipment like periodic inspections, repairs, reasons of equipment's withdrawal from use shall be noted into the identity card by a competent person in the user organization. The identity card should be stored during a whole period of equipment utilization. Do not use the equipment without the identity card.

DATE OF N	MANUFACURE						
DATE OF PURCHASE							
DATE OF FIRST USE							
USER NAM	USER NAME						
	PERIODIC INSPECTION AND REPAIR HISTORY CARD						
DATE OF INSPECTION	REASON FOR INSPECTION OR REPAIR		DEFECTS, CONDITION NOTED REPAIRS CARRIED OUT	NAME AND SIGNATURE OF COMPETENT PERSON	NEXT INSPECTION DATE		