

ELECTRIC WINCH RUP 504

Machine Directive 2006/42/EC EMC Directive 2014/30/EU

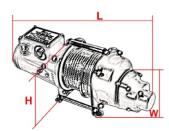
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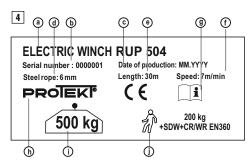




3



L (mm) - 490 W (mm) - 170 H (mm) - 180





5









b)









EN – NOTE: Before use of this device please read and understand this instruction manual.

GENERAL DESCRIPTION

Electric winch is supplied with 230V AC, 1-phase. The device is fitted with steel rope of 6mm in diameter and 30m in length, wound on reel. The device is designed for lifting loads. The winch can be used for personnel rescue with use of an additional WR / CR / CRW retractable type fall arrester.

Figure 1 - Overview

Electric winch RUP504 comprises:

a) general winch with reel on which work rope is wound. The device is fitted with connector plate (RUP506-000-001) and UTB connector (AT017-330),

removable control with EU plug. Winch RUP504 can be mounted on various devices using universal brackets. Refer to Table 1

LOAD LIMITAND STRENGTH

a) GENERAL INFORMATION

Minimum Breaking Strength (MBS): 20kN.
The device can be loaded with work force along the profile to which it is fixed as shown on Figure 2. Maximum load that could be transmitted in service from the device to a permanent structure - 14 kN.

If the device is used as a part of a 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.

b) LIFTING LOADS

Working Load Limit (WLL): 500kg, Safety Factor (SF): 4:1. Working speed: 7m/min. Available work rope length: 30m. c) LIFTING LOADS WITH PULLEY TU415/TU416

Working Load Limit (WLL): 1000kg. Safety Factor (SF): 2:1. Working speed: 3.5m/min. Available work rope length: 15m. d) RESCUE WINCH (PPE) Working Load Limit (WLL): 200kg. Safety Factor (SF): 10:1. Working speed: 7m/min. Available work rope length: 30m.

Figure 2 - Permissible load direction

TRANSPORTAND WEIGHT

 $Weight of complete device: 21 kg. \ Personal fall \ protection \ equipment \ must be \ transported \ in \ a \ package \ (e.g.: bag \ made \ of \ bag \ made)$ moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.

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 lubricate slightly some mechanical parts (springs, hinges, pawls, etc.) regularly to ensure their better operation. Personal fall protection equipment should be stored loosely packed in well-ventilated rooms, protected from direct light, UV degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

POSSIBLE INSTALLATION OF THE WINCH

DEVICE-UNIVERSAL BRACKET

TRIPOD TM1/TM6/TM6-T/TM9/TM9-T/TM9/TM9-W/TM12/TM12-2/TM13/TM13-T/TM14/TM15

CRANE PAD - PAD100-301-000

CRANE PSD - PSD100-301-000

Figure 3 - Overall dimensions of device

MARKING

Marking:

a) Name/type of device

b) Serial number of device

c) Month and year of manufacture d) Rope type

e) Rope length

f) Lowering rate g) Attention: read instruction manual

h) Marking of manufacturer or distributor of device

i) Working Load Limit j) Maximum weight of user

k) Next inspection label

Figure 4 - Identity label of device

"Next inspection" sticker should be affixed near identity label and it is necessary to mark month and year of the next periodic inspection. Do not use the device after this date. Note: Before the first use, mark the date of next inspection (date of first use + 12 months, e.g. first use 01.2020 - mark 01.2021). "Next inspection" sticker affixed near identity label.

a) Install the winch in socket of the universal tripod bracket and secure with automatic pin.
b) Connect the control to the winch and lift the cord on the eye using small snap hook. Tighten nut on the cable connection.

c) Connect power cord to the other plug and lock with wire gate.

Figure 6 - Installation of device

GENERAL SAFETY RULES

BEFORE OPERATION MAKE SURE THAT NO POWER CORDS ARE DAMAGED! WARNING! RISK OF ELECTROCUTION!

THE CONTROL IS EQUIPPED WITH EMERGENCY STOP.

Figure 7 - Emergency stop on control

ESSENTIAL PRINCIPLES FOR USE OF PERSONAL FALL PROTECTION EQUIPMENT

personal fall protection equipment should be used only by personnel trained in its use.

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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. develop a rescue plan to be implemented during operation whenever necessary.

being suspended in personal fall protection equipment (e.g. after arresting a fall) please note symptoms of suspension to avoid negative effects of suspension make sure a corresponding rescue action plan is prepared. It is recommended to

use support tapes.
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 the 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 carry out a detailed inspection to ensure that the device is operable and operates correctly.

in particular, before use inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. On individual devices pay particular attention to:
- in full body harnesses, sit harnesses and work positioning devices: buckles, regulating elements,

attachment points (buckles), webbing, seams, belt loops; in energy absorbers: attachment loops, webbing, seams, housing, connectors;

ed-1/04.06.2020

- 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 prope 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 metal parts (connectors, hooks, snap hooks): load-bearing body, rivets, main pawl, function of locking

at least once a year, after each 12 months of use, personal fall protection equipment must be withdrawn from use to carry out periodic detailed inspection. Periodic inspection may be carried out by a properly qualified and skilled person. Also periodic inspection can be carried by manufacturer of the equipment or his authorized representative.

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 defined

regular periodic inspections are essential in respect of the equipment condition 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 markings on the equipment (identity label of the device). Do not use the equipment if marking is illegible.

it is essential for the user's safety that the product 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 and discarded immediately (or other procedures based on instruction manual should be applied) if it has been used to arrest a fall.

full body harness compliant with EN 361 is the only device supporting user's body in fall arrest systems. fall arrest system can be connected to attachment points (buckles, loops) on full body harness marked with capital letter "A" anchor point (device) of the fall protection equipment should have a stable structure and position so as to prevent a possibility of the load fall and minimize a free fall distance.. Anchor point of the equipment should be located above the user's work station. The shape and construction of the anchor point shall not allow for a self-acting disconnection of the equipment. Minimum strength of anchor point of the equipment should be 12kN. It is recommended to use certified and marked anchor points of the equipment compliant with EN 795.

it is obligatory to verify the free space required under the user at workplace before each occasion of using the fall protection system, so that, in case of a fall, there is no collision with the ground or other obstacle in the fall path. The required free space should be determined on basis of the data given in the instruction manual of the equipment to be used.

when using the equipment, inspect it on a regular basis, paying special attention to risks and damages affecting operation of the equipment and the user's safety, and in particular to kinks and rope movement on sharp edges, oscillatory falls, electrical conductivity, any damages such as cuts, abrasions, corrosion, influence of extreme temperatures, negative influence of environmental factors, chemical substances.

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.

personal fall protection equipment should be cleaned without causing adverse effect on the materials used in the production of the equipment. For textile materials (webbings, ropes) use agents suitable for delicate fabrics. Can be washed in hands or in a washing machine. Rinse thoroughly. Clean energy absorbers using damp cloth only. Do not immerse energy absorber in water. Wash textile products 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 lubricate slightly some mechanical parts (springs, hinges, pawls, etc.) regularly to ensure their better operation. personal fall protection equipment should be stored loosely packed in well-ventilated rooms, protected from direct light, UV

degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

all parts of personal fall protection equipment must conform to instruction manuals for the equipment and standards in

- EN 353-1, EN 353-2, EN 354, EN 355, EN 360 for fall arrest systems
- EN 362 for connectors
- EN341. EN1496, EN1497, EN1498 for rescue equipment
- EN 361 for full body harnesses
- EN 813 for sit harnesses;
- EN 358 for work positioning systems; EN 795 for anchor devices.

PERIODIC INSPECTIONS

The device should be subject to a periodic inspection after at least each 12 months of usage, starting from date of the first use. Periodic inspection can be carried out only by a competent person with adequate knowledge and trained in periodic inspection of personal fall protection equipment. Conditions of the device use may influence the frequency of periodic inspections which may be carried out more frequently than after 12 months of usage. All periodic inspections must be recorded in the identity card for the device.

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 and reliability

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.

WARRANTY

The manufacturer grants a warranty for 12 months from the date of purchase of the device. If a defect is found in any part, the warranty and guarantee period for this part is extended by the time of repairs and effective removal of the defect found.

The following are covered by the warranty: defects in material, structural defects, anti-corrosion coating defects. According to the requirements of EN 365 an anchor point shall be subject to periodic inspections carried out at least every 12 months. Periodic inspection shall be carried out by a service point authorized by the Manufacturer or a person trained in inspections of such equipment. A trained person is a person who, based on own specialized education and adequate experience, has sufficient knowledge in installed protective and rescue equipment, and is familiarized with applicable OHS regulations, guidelines and generally acknowledged technical rules to such extent that is able to assess safety of use and correct application of protection devices.

Before each use of the system check whether date of the next inspection is not expired. Do not use the device after this date. Before each use of the system visually check the system for its integrity and technical condition and whether steel cable is tensioned.

If any defect or lack of integrity is found, do not use the point. In case of any doubt please contact the manufacturer. Do not attempt to repair the device!

A system which has been used to arrest a fall must be withdrawn from use immediately!
The system which has been used to arrest a fall may be admitted for use again after a detailed inspection is carried out by the manufacturer or an authorized service point.

When using the system, pay special attention to risks affecting the protective equipment operation or the user's safety, and in particular to kinks and rope movement on sharp edges, oscillatory falls, electricity, influence of extreme temperatures, equipment damage, adverse environmental factors, chemical substances and contamination.

Neither modify, repair components of the system nor replace them with non-original spare parts.

PROTEKT - Starorudzka 9 - 93-403 Łódź - Poland tel. +4842 6802083 - fax. +4842 6802093 - www.protekt.com.pl

Notified body responsible for supervision of manufacturing of the equipment:

Apave Exploitation France SAS (n°0082) 6 Rue du Général Audran 92412 COURBEVOIE cedex 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.

MODEL AND TYPE OF EQUIPMENT	
SERIAL/BATCH NUMBER	
REFERENCE NUMBER	
DATE OF MANUFACTURE	
DATE OF PURCHASE	
DATE OF FIRST USE	
USER NAME	
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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	