

# Instruction Manual



Read carefully  
the manual  
before use  
the equipment



## BRAKE WINCH RUP-502T

Ref.: AT 050T xx

The brake winch RUP-502T is a load lifting device. The RUP-502T is designed to use with the TM-9T tripod.

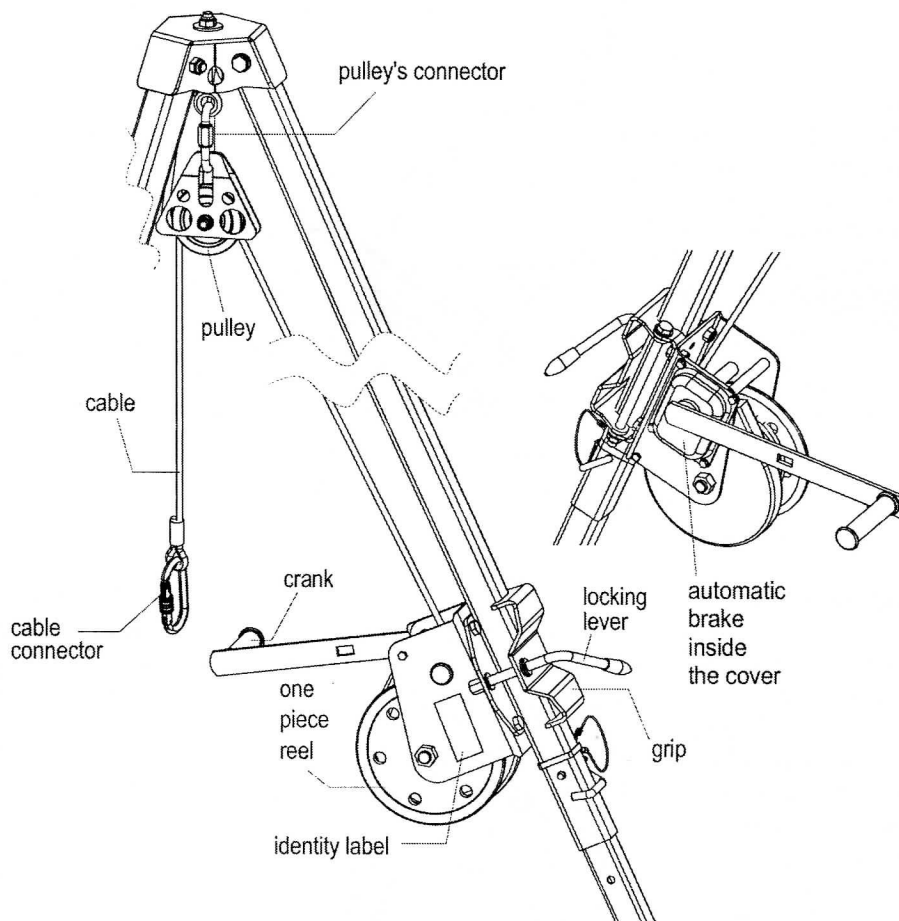
### TECHNICAL DATA

- max. working load: 250 kg
- hand force required: 22 kG
- automatic brake which intervenes to avoid self-contained descent of the worker;
- integrated rope diameter:  $\varnothing 6,3$  mm
- Max. lifting distance: 25 m
- hand operation

### WITHDRAWAL FROM USE

The RUP-502T must be withdrawn from use immediately when any doubt arise about its condition for proper use.

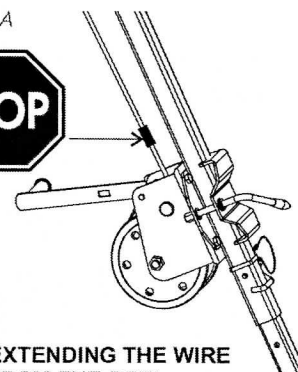
The device shouldn't be used again until confirmed in writing by device manufacturer or his certified representative after carried out the detailed inspection. Any repair or service operation shall only be carried out by the winch manufacturer or his authorized representative.



### CAUTION!

- The lifting / lowering function is for lifting / lowering loads only. Do not use the RUP-502T as a rescue or fall arrest purposes.
- Always operate the device RUP-502T with hand power and with crank included in the equipment only.
- Never allow to full extension of the working rope from the reel. Keep at least three rope fakes on the reel - it is marked by a special safety sign which is situated on the rope. Stop extend the rope from the reel when the red safety sign appears! Obligatory check a condition of the safety sign. See picture A.
- before each use, a close visual examination of the device cover, reel, snap hook, crank, holder and working cable must be carried out in respect of mechanical, chemical and thermal defects. The user has to check the reel and brake functioning. The examination must be carried out by a person who is going to use the device. Check also the stability of fastening the winch to a tripod or a structure. The structure to which the RUP-502T is fastened must have stable construction and minimal static strength of the structure must be at least twice the weight of the lifted load.
- In the case of any defect or doubt of correct condition of the device, do not use the device.

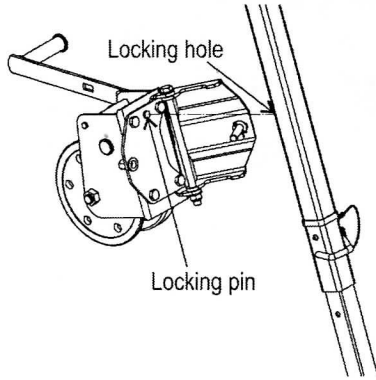
Pict. A



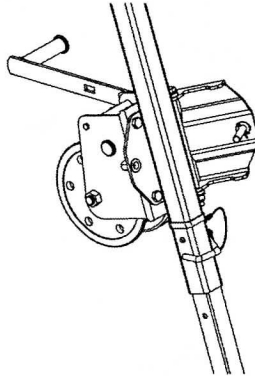
**STOP EXTENDING THE WIRE  
FROM THE REEL  
WHEN THE RED SAFETY  
SIGN APPEARS**

## INSTALLING THE RUP-502T ON THE TRIPOD

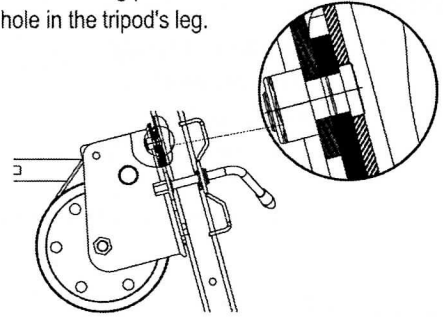
1. Open the grip



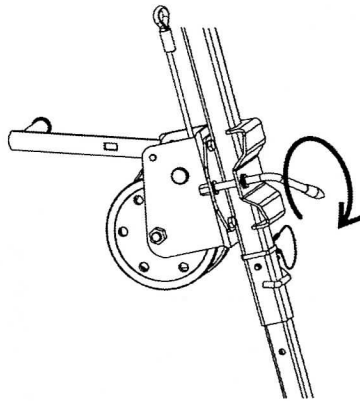
2. Put the RUP-502T on the tripod's leg. The grip of the RUP-502T must be fastened on the locking hole situated on the bottom wall of the leg's profile.



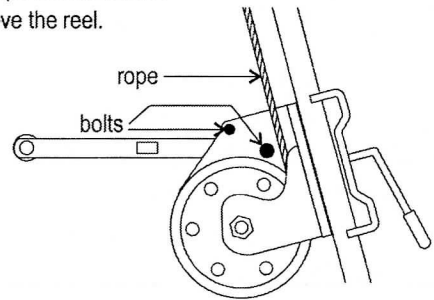
3. Fit the locking pin into the hole in the tripod's leg.



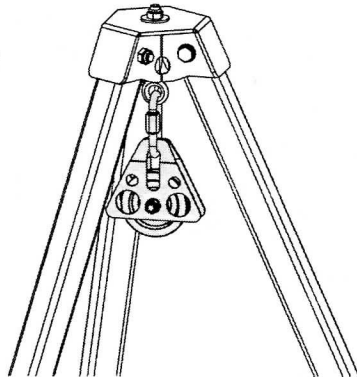
4. Close the grip. Lock the grip using the lever. Grease the lever's thread with small amount of constant lubricant before installation. The winch shall not slide on the profile.



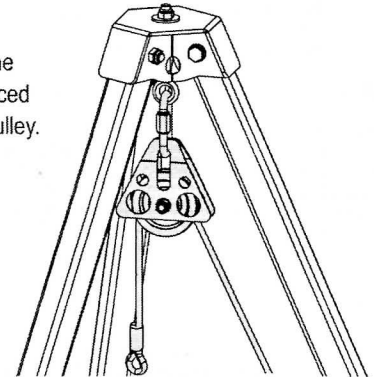
5. Guide the rope behind 2 bolts located above the reel.



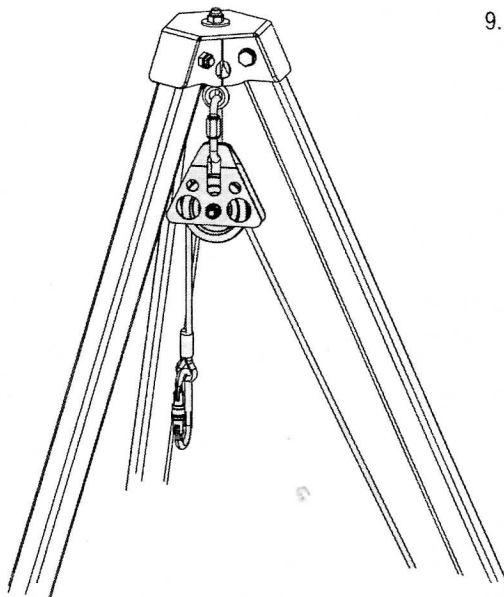
6. Anchor the pulley to the central anchor eye bolt of the tripod. Both walls of the pulley should be linked together using the connector supplied with the pulley. Ensure the connector is closed and locked.



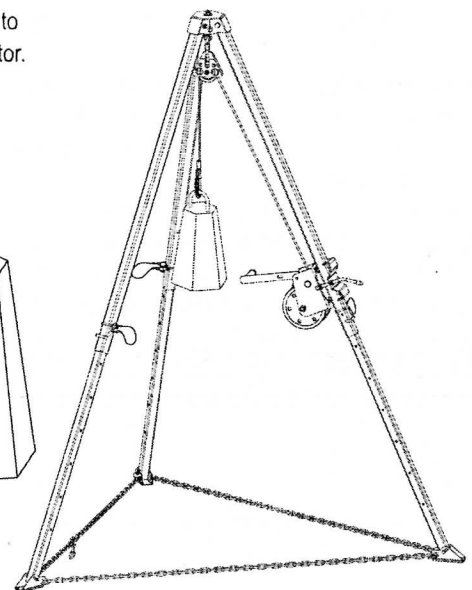
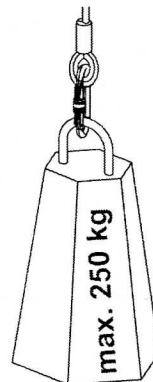
7. Put the rope on the pulley. Ensure that the cable is correctly placed on the roller of the pulley.



8. Put the connector in the thimble of the cable.



9. Connect the load to the cable connector.

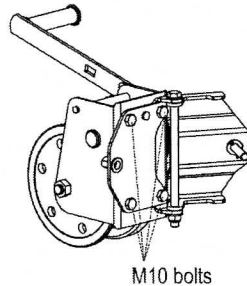


## INSTALLING THE RUP-502 ON A STRUCTURAL ANCHOR ELEMENT

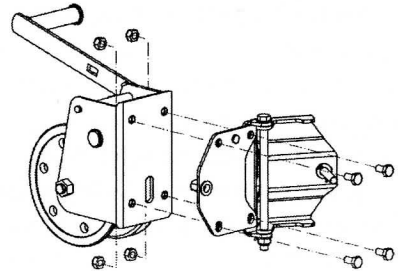
It's possible to install the RUP-502T directly on the structural anchor element like flat surface (e.g wall) or steel profile. The structural anchor element to which the RUP-502T is fastened must have stable construction and minimal static strength of this element must be at least twice the weight of the lifted load. Construction and fastening of the structural anchor element must prevent of accidental disconnection of the RUP-502T. To install the RUP-502T on the structural anchor element we must remove the grip which is designed to be used only for the TM-9T tripod.

### REMOVING THE GRIP

1. Undo four M10 nuts on the bolts fastened the grip to the RUP-502.

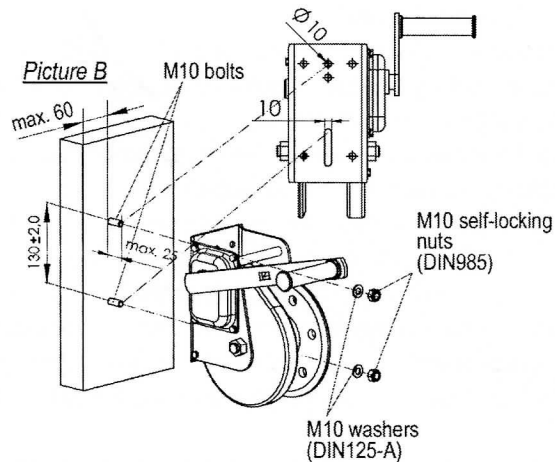


2. Remove the bolts. Remove the grip.



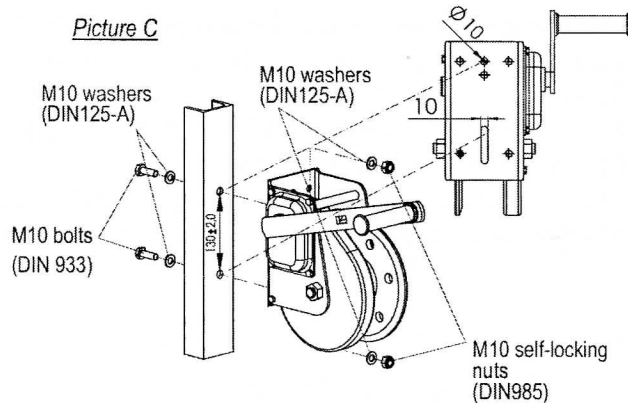
### INSTALLING ON THE FLAT SURFACE

1. The RUP-502 should be installed using two ( $\varnothing 10$  mm and 10 x 50 mm) wholes situated on the back wall of the RUP-502T.
2. Install the RUP-502T using two M10 steel or chemical anchor bolts installed in the way shown on the picture B. Put the washer M10 (DIN 125A) under each nut. Tighten two M10 self-locking nuts.



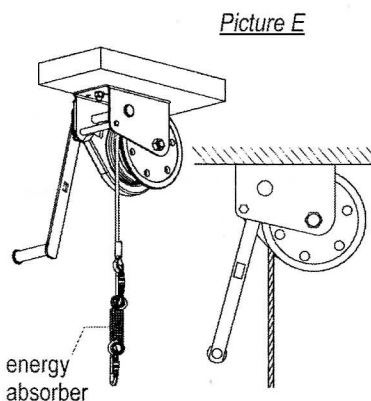
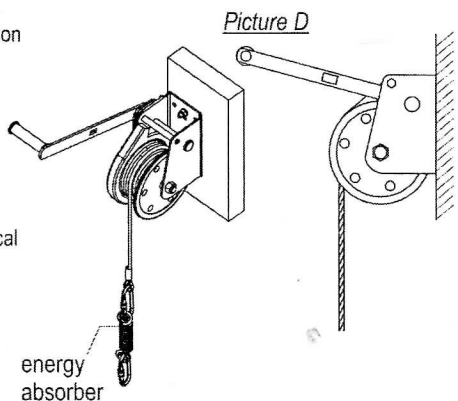
### INSTALLING ON THE STEEL PROFILE

1. The RUP-502 should be installed using two ( $\varnothing 10$  mm and 10 x 50 mm) wholes situated on the back wall of the RUP-502.
2. Install the RUP-502 using two M10 steel bolts. Put the bolts through the structural anchor profile and through the back wall of the RUP-502. Position of the wholes is shown on the picture C. Put the washers M10 (DIN 125A) under the head of each bolt and under each nut. Tighten two M10 self-locking nuts (DIN 985).

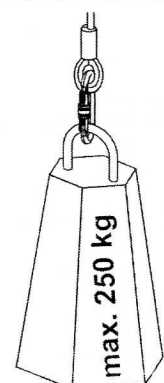


### POSITIONING OF THE RUP-502

1. Check the proper position of the RUP-502T and correct guiding of the rope shown on the pictures D and E. The construction element where the RUP-502 is installed must be vertical (D) or horizontal (E).



2. Connect the load to the cable connector.



## **THE ESSENTIAL PRINCIPLES OF THE WINCH USE**

- the winch RUP-502T is designed to use only for lifting the loads. The RUP-503T shall not be used as a rescue or fall arrest device.
- the winch shall not be used to transport the loads over areas where people could be present.
- never apply load on winch with cable fully extended. Keep at least three full turns of cable on the reel.
- operate with hand power and with crank included in the equipment only. This winch should not be operated with a motor of any kind. If the winch cannot be cranked easily with one hand, it is probably over-loaded.
- it is forbidden to make any alterations or additions to the equipment without the manufacturer's prior written consent.
- any repair shall only be carried out by equipment manufacturer or his certified representative.
- personal protective equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended.
- before use ensure about the compatibility of assembled components. Periodically check connecting of the components to avoid accidental loosening or disconnecting of the components.
- it is forbidden to use combinations of items of equipment in which the function of any one item is affected by or interferes with the function of another.
- before each use it is obligatory to carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used.
- during pre-use check it is necessary to inspect all elements of the equipment in respect of any damages, excessive wear, corrosion, abrasion, cutting or incorrect acting, especially in retractable fall arresters - cable or webbing, retractor and brake proper acting, casing, energy absorber, connector;
- regular periodic inspections are the essential for equipment maintenance and the safety of the users which depends upon the continued efficiency and durability of the equipment.
- during periodic inspection it is necessary to check the legibility of the equipment marking.
- the winch must be withdrawn from use immediately when any doubt arise about its condition for safe use and not used again until confirmed in writing by equipment manufacturer or his representative after carried out the detailed inspection.
- there are many hazards that may affect the performance of the equipment and corresponding safety precautions that have to be observed during equipment utilization, especially:- trailing or looping of lanyards or lifelines over sharp edges,- any defects like cutting, abrasion, corrosion, - climatic exposure,- pendulum falls,- extremes of temperature,- chemical reagents,- electrical conductivity.
- the winch must be transported in the 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.
- the winch can be cleaned and disinfected without causing adverse effect on the materials in the manufacture of the equipment. For textile products use mild detergents for delicate fabrics, wash by hand or in a machine and rinse in water. Plastic parts can be cleaned only with water. When the equipment becomes wet, either from being in use or when due cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat. In metallic products some mechanic parts (spring, pin, hinge, etc.) can be regularly slightly lubricated to ensure better operation.
- the winch should be stored loosely packed, in a well-ventilated place, protected from direct light, ultraviolet degradation, damp environment, sharp edges, extreme temperatures and corrosive or aggressive substances.

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