

### WITHDRAWAL FROM USE AFTER ARRESTING A FALL

Safety tripod TM 11 must be withdrawn from use immediately when it has been used to arrest a fall. After that must be carried out detailed manufacturer's inspection of the tripod.

The manufacturer's inspection can be carried out by:

- manufacturer
- or person recommended by manufacturer
- or company recommended by manufacturer.

During this inspection will be established if the tripod can be longer used and will be defined the admissible time of tripod use till next manufacturer's inspection.

### ADMISSIBLE TIME OF USE

The tripod can be used for 5 years counting from a date of putting the tripod into operation. After this period the tripod must be withdrawn from use to carry out manufacturer's detailed inspection.

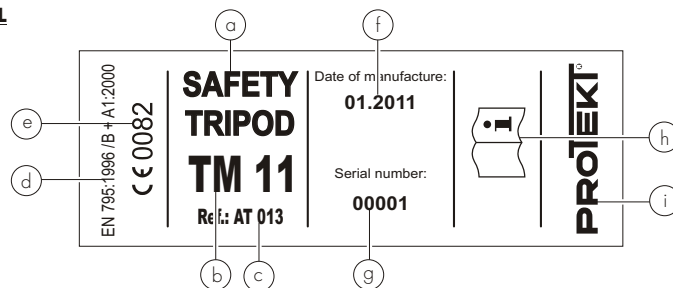
The manufacturer's inspection can be carried out by:

- manufacturer
- or person recommended by manufacturer
- or company recommended by manufacturer.

During this inspection will be established admissible time of tripod use till next manufacturer's inspection.

### CONTENT OF THE IDENTITY LABEL

- Device type.
- Model symbol.
- Reference number.
- Number/year/ class of the European standard
- CE marking and number of a notified body controlling manufacturing of the equipment (art. 11)
- Month and year of manufacture.
- Serial number of the tripod.
- Caution: red the manual
- Marking of the manufacturer or distributor of the tripod.



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 IN THE USER ORGANIZATION FOR PROTECTIVE EQUIPMENT. ANY INFORMATION ABOUT THE EQUIPMENT LIKE PERIODIC INSPECTIONS, REPAIRS, REASONS OF EQUIPMENT'S WITHDRAWN FROM USE SHALL BE NOTED INTO THE IDENTITY CARD BY A COMPETENT PERSON. THE IDENTITY CARD SHOULD BE STORED DURING A WHOLE PERIOD OF EQUIPMENT UTILIZATION. DO NOT USE THE EQUIPMENT WITHOUT THE IDENTITY CARD. ALL RECORDS IN THE IDENTITY CARD CAN BE FILLED IN ONLY BY A COMPETENT PERSON.

## IDENTITY CARD

MODEL AND TYPE OF EQUIPMENT		REF. NUMBER		
SERIAL NUMBER		DATE OF MANUF.		
USER NAME				
DATE OF PURCHASE		DATE OF PUTTING INTO OPERATION		
PERIODIC EXAMINATION AND REPAIR HISTORY				
DATE	REASON FOR ENTRY PERIODIC EXAMINATION OR REPAIR	DEFECTS NOTED, REPAIRS CARRIED OUT AND OTHER RELEVANT INFORMATIONS	NAME AND SIGNATURE OF COMPETENT PERSON	PERIODIC EXAMINATION NEXT DUE DATE
1				
2				
3				
4				

PROTEKT, 93-403 LODZ,  
ul. Starorudzka 9, POLAND,  
TEL: (48 42) 680 20 83, FAX: (48 42) 680 20 93  
www.protekt.com.pl

Notified body, at which the European certification was performed and which supervises the production of the equipment:  
APAVE SUDEUROPE SAS - BP 193 - 13322 MARSEILLE CEDEX 16 - FRANCE



## Instruction Manual

### READ CAREFULLY BEFORE USE THE EQUIPMENT

CE 0082

EN 795:1996 / B + A1:2000  
Ref.: AT 013

# PROTEKT®

## Safety Tripod TM 11

TM 11 safety tripod is a component of personal protective equipment against falls from height.

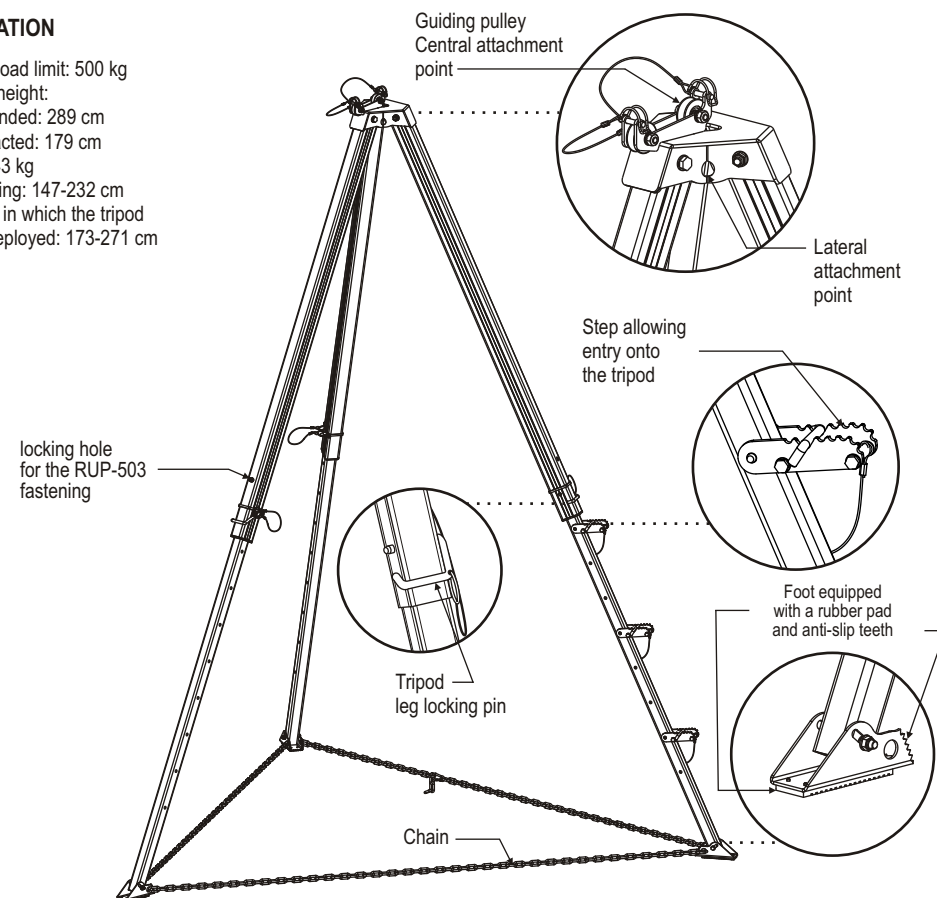
TM 11 tripod is a portable, class B temporary anchor device and is used to protect employees working in drainage wells, reservoirs, wells, silos, etc. The tripod must be used in conjunction with fall arrest equipment. Tripod provides protection for one person.

The device complies with EN 795.

- Steel head with a guiding pulley for the installation of the rope.
- 4 attachment points: 1 central attachment point on the pulley, 3 lateral attachment points (openings) located in the head's walls.
- Legs made of duraluminium profiles with rounded edges. They consist of two sections. The telescopic construction of the legs allows the user to adjust their length. To adjust the legs' length locking pins are used. The legs of the tripod are equipped with self-aligning steel feet with rubber pads. The feet have anti-slip "teeth" used when positioning the tripod on a slippery (e.g. icy) surface.
- Installation steps if the legs are maximally extended, additional steps to allow easy and safe installation of the rope on the tripod's head can be used. Up to 3 steps can be used for one tripod.
- chain - leg chain is supplied to minimize horizontal forces and prevent the legs spreading and collapsing.

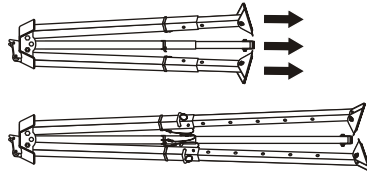
### SPECIFICATION

- Working load limit: 500 kg
- Working height:
  - legs extended: 289 cm
  - legs retracted: 179 cm
- Weight: 43 kg
- Leg spacing: 147-232 cm
- Diameter in which the tripod can be deployed: 173-271 cm

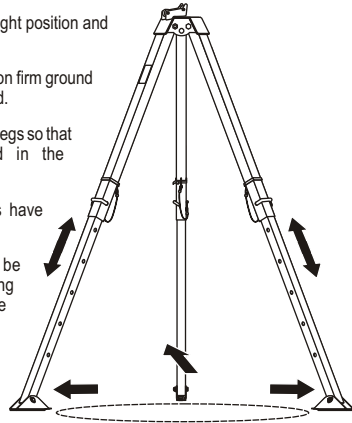


## INSTALLING A TRIPOD

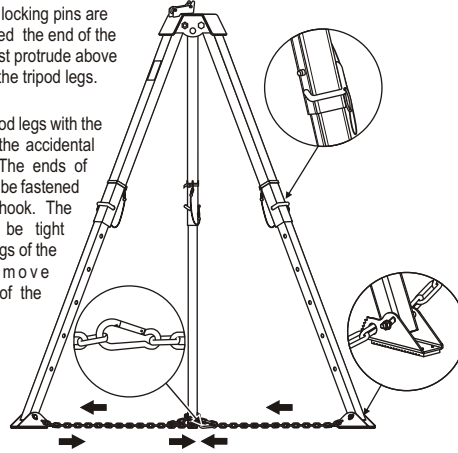
- Place the tripod on a flat, stable and hard surface. Pull out the tripod legs to the desired length and lock with the locking pin.



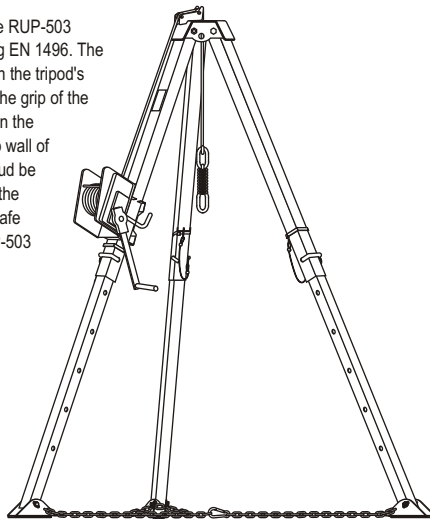
- Set the tripod in an upright position and fully spread the legs.
- Make sure the feet are on firm ground and can support the load.
- Adjust the length of the legs so that the head is located in the horizontal plane.
- The legs must always have the same length.
- The tripod should be positioned over opening so working line will be located approximately in the center of the opening



- Make sure the locking pins are properly secured the end of the locking pin must protrude above the surface of the tripod legs.
- Secure the tripod legs with the chain against the accidental sliding open. The ends of the chain must be fastened with a snap hook. The chain should be tight between the legs of the tripod. Remove excess slack of the chain.



- The tripod can be used with the RUP-503 rescue lifting device conforming EN 1496. The RUP-503 should be installed on the tripod's leg situated below the pulley. The grip of the RUP-503 should be fastened on the locking hole situated on the top wall of the leg's profile. The cable should be guided on a pulley situated on the tripod's head. For proper and safe installation and use of the RUP-503 follow its instruction manual.



- Secondary fall arrest system (conforming EN 363) must be used when working with the TM-11 and the RUP-503.

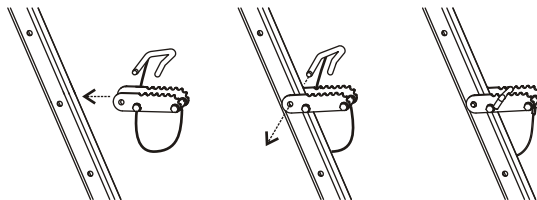
- !While working, pay attention to the chain, which fastens the tripod legs, as it can cause accidental tripping of the worker!
- The tripod must never be used without the leg chain in place.
- Avoid working where the user may swing and hit an object or where lines may cross or tangle with that of another worker in the area.
- To collapse tripod, pull leg down and swing leg in.

Fall arrest and rescue systems used with this tripod must meet applicable EN standard requirements:

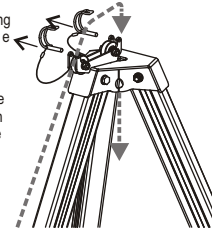
- EN 795 - for anchor devices
- EN 362 - for connectors
- EN 361 - for full body harnesses
- EN 360 - for retractable type fall arresters
- EN 353-2 - for guidet type fall arresters
- EN 1496 - for rescue lifting devices
- EN 1497 - for rescue harnesses
- EN 341 - for descender devices

## Installing the cable

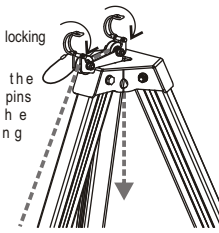
- During the installation of the cable on the head of the deployed tripod head it is possible to step onto the tripod leg using the steps. They are installed on the outside of the legs in the holes used for adjusting the height of the tripod.



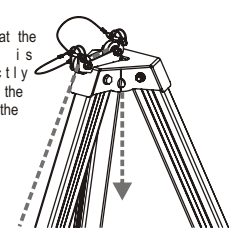
- Remove the locking pins from the guiding pulley.
- Put the rope of the hoisting device on the pulley. Put the end of the rope through the opening in the head.



- Put the locking pins.
- Close the cotter pins on the locking pins.



- Check that the cable is correctly placed on the rollers of the pulley.



## THE ESSENTIAL PRINCIPLES FOR USERS OF PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT

- personal protective equipment shall only be used by a person trained and competent in its safe use.
- personal protective 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.
- a rescue plan shall be in place to deal with any emergencies that could arise during the work.
- 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.
- personal protective equipment should be a personal issue item.
- before use ensure about the compatibility of items of equipment assembled into a fall arrest system. Periodically check connecting and adjusting of the equipment components to avoid accidental loosening or disconnecting of the components.
- it is forbidden to use combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- before each use of personal protective equipment 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 take into consideration:
  - in full body harnesses and belts - buckles, adjusting elements, attaching points, webbings, seams, loops;
  - in energy absorbers - attaching loops, webbing, seams, casing, connectors;
  - in textile lanyards or lifelines or guidelines - rope, loops, thimbles, connectors, adjusting element, splices;
  - in steel lanyards or lifelines or guidelines - cable, wires, clips, ferrules, loops, thimbles, connectors, adjusting elements;
  - in retractable fall arresters - cable or webbing, retractor and brake proper acting, casing, energy absorber, connector;
  - in guided type fall arresters - body of the fall arrester, sliding function, locking gear acting, rivets and screws, connector, energy absorber;
  - in connectors - main body, rivets, gate, locking gear acting.
- in tripods - legs, safety pins, eye bolts, feet, chain, connecting elements.
- after every 12 months of utilization, personal protective equipment must be withdrawn from use to carry out periodical detailed inspection. The periodic inspection must be carried out by a competent person for periodic inspection. The periodic inspection can be carried out also by the manufacturer or his authorized representative.
- In case of some types of the complex equipment e.g. some types of retractable fall arresters the annual inspection can be carried out only by the manufacturer or his authorized representative.
- 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.
- it is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in language of the country in which the product is to be used.
- personal protective equipment 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.
- a full body harness (conforming EN 361) is the only acceptable body holding device that can be used in a fall arrest system.
- in full body harness use only attaching points marked with big letter "A" to attach a fall arrest system.
- the anchor device or anchor point for the fall arrest system should always be positioned, and the work carried out in such a way, as to minimise both the potential for falls and potential fall distance. The anchor device/point should be placed above the position of the user . The shape and construction of the anchor device/point shall not allowed to self-acting disconnection of the equipment. Minimal static strength of the anchor device/point is 10 kN. It is recommended to use certified and marked structural anchor point complied with EN795.
- it is obligatory to verify the free space required beneath the user at the workplace before each occasion of use the fall arrest system, so that, in the case of a fall, there will be no collision with the ground or other obstacle in the fall path. The required value of the free space should be taken from instruction manual of used equipment.
- 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.
- personal protective equipment 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 equipment can be cleaned 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.
- Other maintenance and cleaning procedures should be adhered to detailed instructions stated in the manual of the equipment.
- personal protective equipment 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.