A

PROTEKT®

CE 0082

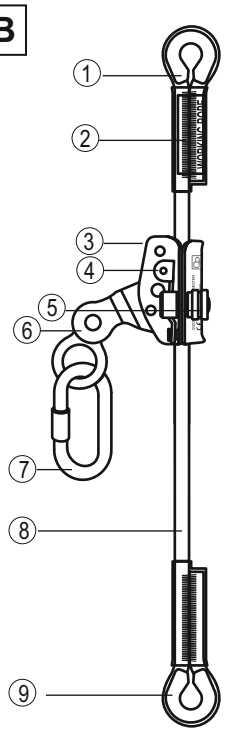
EN 353-2:2002

Rope grab ref. number: AC 012

Working rope ref. number: AC 100 XX

GB GUIDED-TYPE FALL ARRESTER ON FLEXIBLE ANCHORAGE LINE

B



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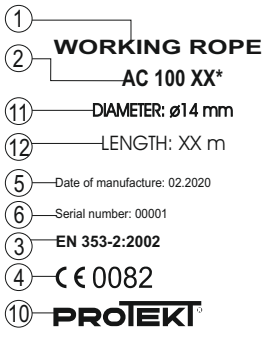

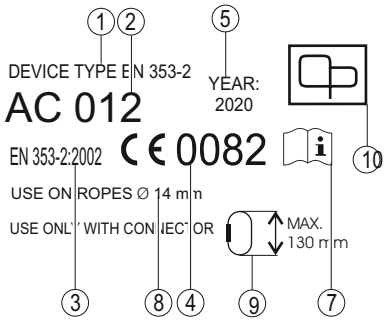

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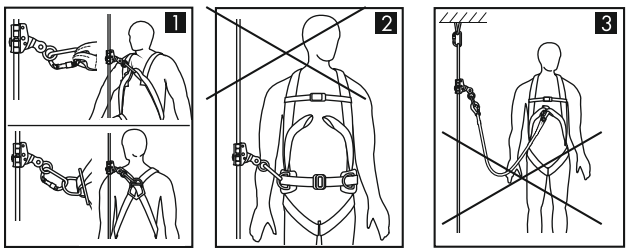

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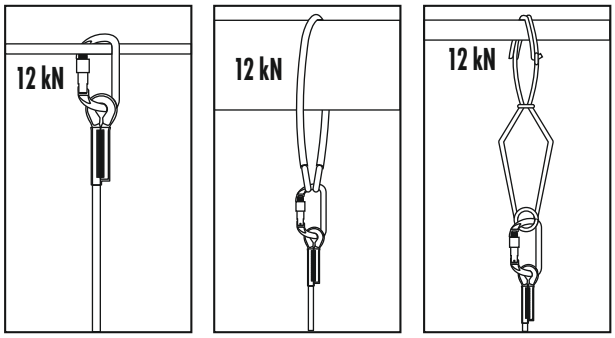

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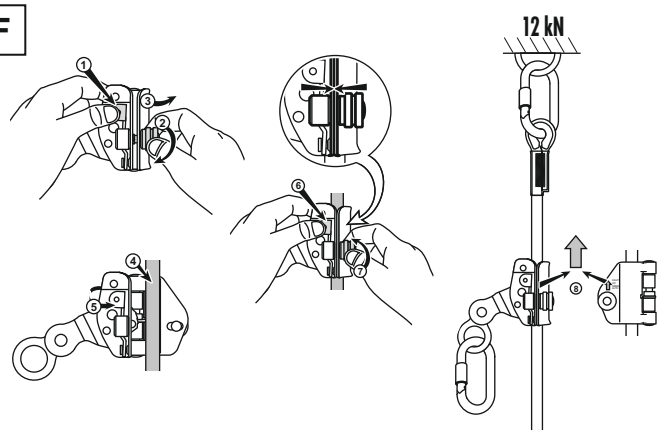
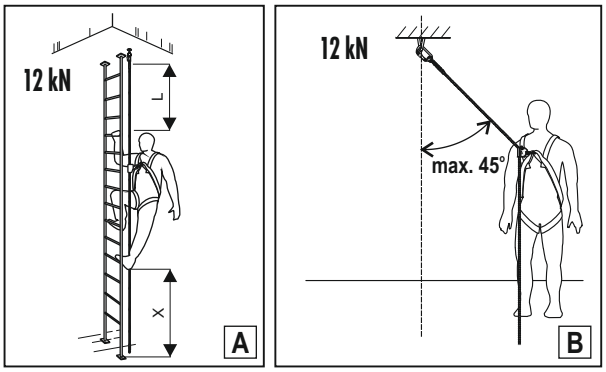


G

Length of the rope over the worker [m] - L	10	20	30	40	50
Free distance below the working surface [m] - X	3,2	4,60	6,00	7,40	8,80



GB - NOTICE: Read and fully understand these instructions before using this equipment.

A. DESCRIPTION
AC 012 is a guided-type fall arrester device on flexible anchorage guide.
The rope grab is sliding on ø14 mm polyester rope.
AC 012 is a component of personal protective equipment against falls from a height. AC 012 guided-type fall arrester complies with EN 353-2.
The AC 012 is the protection for the one person only.

BASIC EQUIPMENT
- Openable rope grab made of zinc plated steel.
- Connector class B (certified according EN 362). The maximal length of the connector which can be used with AC012 rope grab is 130 mm.
- Working rope (ø14 mm kernmantle polyester). The rope is ended with sewn loops equipped with thimbles.

Using the AC 012 fall arrester in connection with fall arrest system must be compatible with use instructions of the fall arrest systems and obligatory standards:
- EN361 - for full body harness;
- EN362 - for connectors
- EN795 - for anchorages
- EN358 - for work positioning systems.

B. DESCRIPTION
1. top end of the working rope (the loop with the thimble)
2. identity label of the working rope
3. rope grab
4. open/close button
5. screw bolt
6. locking lever
7. class B connector
8. working rope ø14 mm
9. bottom end of the working rope (the loop with the thimble)

C. MEANING OF THE MARKING
1. name (type) of the device.
2. reference number
3. European standard (number/year).
4. CE marking and number of a notified body controlling manufacturing of the equipment
5. year of manufacture.
6. number of manufacturing serie
7. caution: read the manual
8. diameter of the rope which can be used with the rope grab.
9. maximal length of class B connector which can be used with the rope grab.
10. marking of device manufacturer of distributor.
11. diameter of the rope.
12. length of the rope.

D. CONNECTING AC 012 ROPE GRAB TO THE SAFETY HARNESS
- AC 012 rope grab must be connected using class B connector to frontal or dorsal attachment point of full body harness. The full body harness must comply with EN361 - pict.1.
- it is strictly forbidden to connect AC 012 rope grab to the work positioning belt - pict. 2
- it is forbidden to add any additional element between rope grab's connector and attachment point of the harness - pict. 3,

E. CONNECTING THE WORKING ROPE TO THE STRUCTURAL ANCHOR POINT
Attention! Structural anchor point should have static resistance min.12 kN. The shape of the structural anchor point should not let self-acting disconnection of the rope It is recommended to use certified and marked structural anchor point complied with EN 795.

F. INSTALLING THE ROPE GRAB ON THE WORKING ROPE
1. Press the button.
2. Unscrew the bolt.
3. Open the walls.
4. Put the rope inside the bend of the wall.
5. Close the walls.
6. Press the button.
7. Tighten up the screw. The walls should be closed and joined together.
8. Check the proper position of the rope grab on the rope: the arrow located on the device should be directed up to the upper end of the working rope attached to structural anchor point.

G. REQUIRED FREE DISTANCE BELOW WORKING LEVEL
- structural anchor point to which will be connected working rope should be situated above working position and should has static resistance min. 12kN. Free distance below the working surface depends on the length of the working rope under the worker - see the table and drawing A.
- during horizontal moving of the worker, the working rope deflection from the vertical line up to 45° is allowed - see the drawing B.
- it is necessary to keep minimal clearance of 3,2 m below the feet of the user to avoid collision with the ground or any construction in case of fall arresting. For the first meters the user may not be protected against hitting the ground and extra care should be taken when ascending or descending.

H. PERIODIC INSPECTIONS
Device must be inspected at least once every 12 months from the date of first use. Periodic inspections must only be carried out by a competent person who has the knowledge and training required for personal protective equipment periodic inspections. Depending upon the type and environment of work, inspections may be needed to be carried out more frequently than once every 12 months. Every periodic inspection must be recorded in the Identity Card of the equipment.

I. MAXIMUM LIFESPAN OF THE EQUIPMENT
The maximum lifespan of the device is 10 years from the date of manufacture.

ATTENTION: The device maximum lifetime depends on the intensity of usage and the environment of usage. Using thedevice in rough environment, marine environment, contact with sharp edges, exposure to extreme temperatures or aggressive substances, etc. can lead to the withdrawal from use even after one use.

H. WITHDRAWAL FROM USE
The device must be withdrawn from use immediately and destroyed when it has been used to arrest a fall or it fails to pass inspection or there are any doubt as to its reliability.

I 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.
- 3.
- being suspended in PPE (e.g. arresting a fall), beware of suspension trauma symptoms.
- to avoid symptoms of suspension trauma, be sure that the proper rescue plan is ready for use. It is recommended to use foot straps.
- 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 metalic components (connectors, hooks, anchors) - main body, rivets, gate, locking gear acting.

- 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. Don't use the equipment with the illegible 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.
- personal protective equipment must be withdrawn from use immediately and destroyed (or another procedures shall be introduced according detailed instruction from equipment manual) when it have been used to arrest a fall.
- a full body harness (conforming to EN 361) is the only acceptable body holding device that can be used, in a fall arrest system.
- in full body harness use only attachment points marked with a capital 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 12 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. For energy absorbers use only a damp cloth to wipe away dirt. It's forbidden to immerse energy absorbers into the 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.
- 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.
- Using the harness in connection with personal protective equipment agains falls from a height must be compatible with manual instructions of this equipment and obligatory standards:
  - EN353-1, EN353-2, EN355, EN354, EN360 - for the fall arrest systems;
  - EN362 - for the connectors;
  - EN1496, EN341 - for rescue devices;
  - EN795 - for anchor devices.

Manufacturer:
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tel. +4842 6802083 - fax. +4842 6802093 - www.protekt.com.pl

Notified body for EU type examination according to PPE Regulation 2016/425:
APAVE SUD EUROPE SAS (no 0082) – CS 60193 – F13322 MARSEILLE CEDEX 16 - FRANCE

Notified body for control production:
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.

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