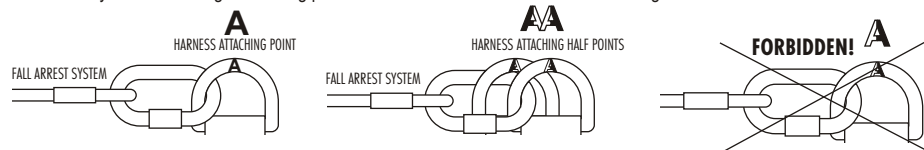


- personal protective equipment must be withdrawn from use immediately when any doubt arise about its condition for safe use and not used again until confirmed in writing by equipment manufacturer or his representative after carried out the detailed inspection.
- personal protective equipment must be withdrawn from use immediately and destroyed when it have been used to arrest a fall.
- a full body harness 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. Marking like "A/2" or a half of "A" means the necessity of attaching a fall arrest system to both attaching points together simultaneously. It is strictly forbidden to attach a fall arrest system to the single attaching point marked "A/2" or a half of "A". See drawings below:



- 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.

MARKING

① ②

DEVICE TYPE EN 353-2

AC 012

EN 353-2:2002 **CE 0082**

USE ON ROPES Ø 14 mm

USE ONLY "WITH CONNECTION" OR MAX. 130 mm

③ ⑧ ④ ⑦

⑤

YEAR: 2007

B-1233

⑥

⑩

① **WORKING ROPE**

② **AC 100 XX***

⑪ **POLYAMIDE**

⑫ **DIAMETER: Ø14 mm**

⑬ **LENGTH: XX m**

⑤ Date of manufacture: 02.2003

⑥ Serial number: 00001

③ **EN 353-2:2002**

④ **CE 0082**

⑩ **PROTEKT**

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 (art. 11).

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. material of which the rope is made of.

12. diameter of the rope.

13. length of the rope.

*) xx - code of length
for example: xx=03 - length 3 m
xx=20 - length 20 m



Instruction Manual

READ CAREFULLY BEFORE USE THE EQUIPMENT

EN 353-2:2002

CE 0082

Rope grab ref. number: AC 012

Working rope ref. number: AC 100 XX

PROTEKT®

GUIDED-TYPE FALL ARRESTER ON FLEXIBLE ANCHORAGE LINE

AC 012

AC 012 is a guided-type fall arrester device on flexible anchorage guide.

The rope grab is sliding on Ø14 mm polyamide 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 polyamide). 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.

TIME OF USE

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 After this period the rope grab must be withdrawn from use to carry out detailed manufacturer's inspection.

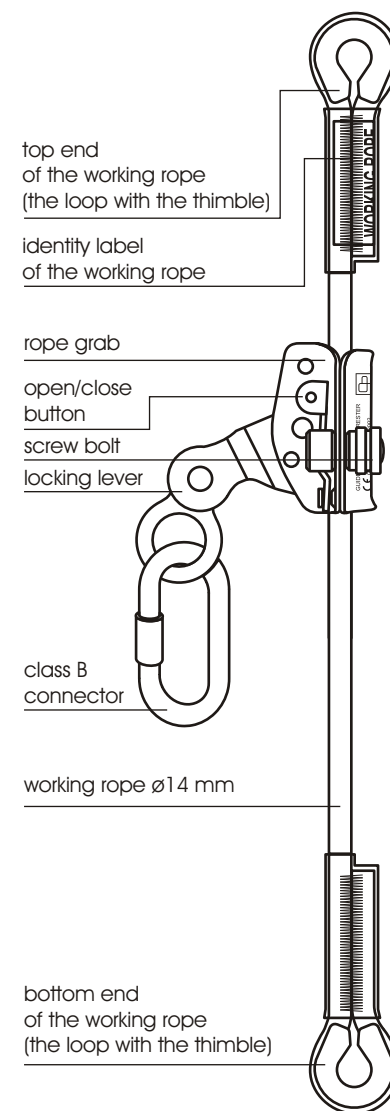
The inspection can be carried out by:

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

During this inspection will be established admissible time of use of the rope grab till next fabric control.

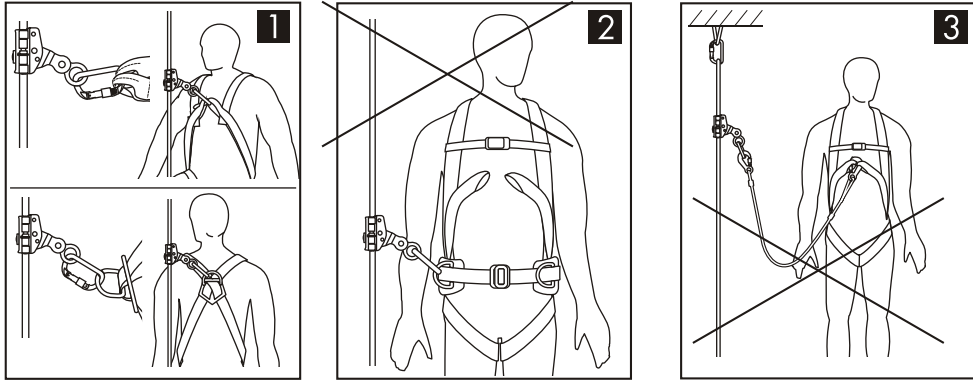
Working rope must be withdrawn from use and destroyed after 5 years of use.

Whole fall arrest set including rope grab, working rope and connectors must be withdrawn from use immediately and destroyed when it have been used to arrest a fall.



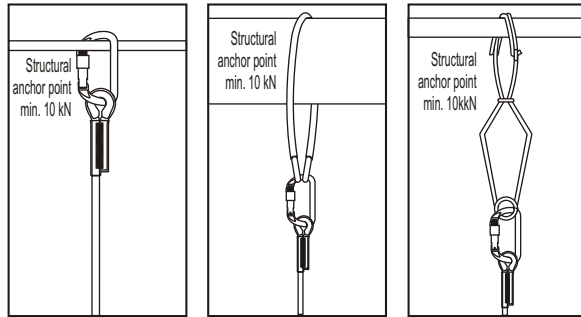
CONNECTING AC 012 ROPE GRAB TO THE SAFETY HARNESS

- 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,



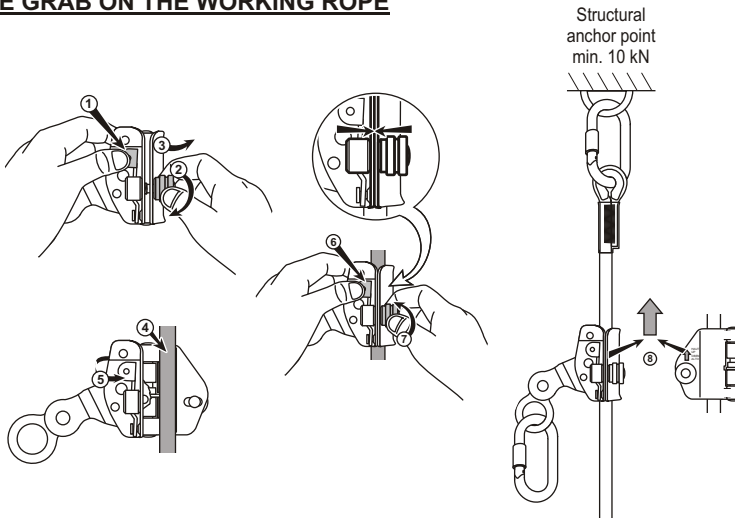
CONNECTING THE WORKING ROPE TO THE STRUCTURAL ANCHOR POINT

Attention!
Structural anchor point should have static resistance min. 10 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.



INSTALLING THE ROPE GRAB ON THE WORKING ROPE

- Press the button.
- Unscrew the bolt.
- Open the walls.
- Put the rope inside the bend of the wall.
- Close the walls.
- Press the button.
- Tighten up the screw.
The walls should be closed and joined together.
- 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.

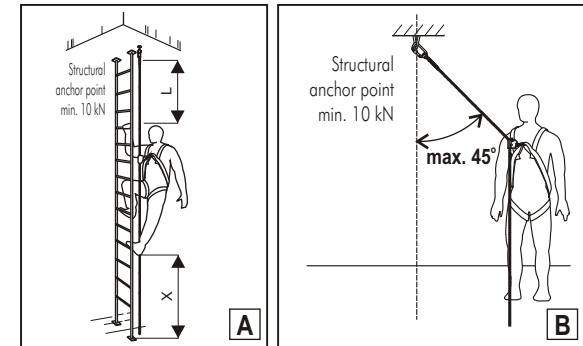


REQUIRED FREE DISTANCE BELOW WORKING LEVEL

- structural anchor point to which will be connected working rope should be situated above working position and should have static resistance min. 10kN. Free distance below the working surface depends on the length of the working rope under the worker - see the table and drawing A:

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

- 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.



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.
- 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

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

GUIDED-TYPE FALL ARRESTER ON FLEXIBLE ANCHORAGE LINE

WORKING ROPE
ø14 mm polyamide

REF. NUMBER		LENGTH	
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SERIAL NUMBER		DATE OF MANUF.	
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USER NAME	

	DATE OF PUTTING INTO OPERATION
DATE OF PURCHASE	

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					

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IDENTITY CARD

GUIDED-TYPE FALL ARRESTER ON FLEXIBLE ANCHORAGE LINE

ROPE GRAB AC 012

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