

- 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.

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 ANY INFORMATION ABOUT THE EQUIPMENT LIKE PERIODIC INSPECTIONS, REPAIRS, REASONS OF EQUIPMENT'S WITHDRAWN FROM USE SHALL BE NOTED INTO THE IDENTITY CARD BY A COMPETENT PERSON.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					
5					
6					
7					
8					
9					
10					

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Instruction manual



Read carefully the manual before use the equipment

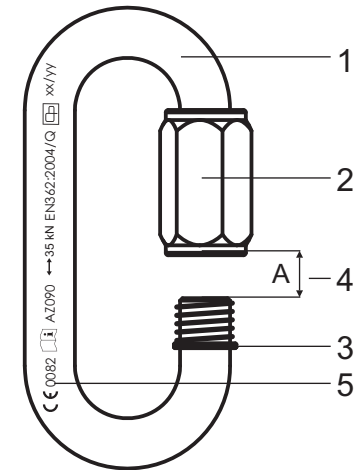
CE 0082 EN 362:2004

PROTEKT® AZ090 SCREW LINK

The AZ090 screw link is a component of personal protective equipment in fall arrest systems complying with EN 362 (class Q connector). The AZ090 link is used to temporarily or permanently connect individual components of the fall arresters. Do not use the link in the place, where frequent disconnection of the system components is required. The AZ090 link is made from Ø10mm stainless steel rod. The AZ090 link's opening ('A') is 10 mm. Major axis minimum static strength of the AZ090 is 35 kN

CONSTRUCTION OF THE LINK

- Bearing structure
- Lock nut
- Protective ring
- 'A' Link's opening maximum space enabling the connection of the system components and correct closing and locking the link.
- Link's marking



MARKING DESCRIPTION

CE 0082 — CE marking with identity number of the notified body controlling manufacturing of the equipment (ARTICLE 11 OF THE directive 89/686/EEC)

— Read carefully the manual before use the equipment

AZ 090 — Reference number

EN362:2004/Q — European standard's number, year/class

— marking of distributor or producer

xx/yy — manufacturing series number ('xx' month, 'yy' year of manufacture)

↔ 35 kN — static strength

Manufacturer:
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tel. +4842 6802083 - fax. +4842 6802093

EU type declaration of conformity: www.protekt.pl

European certificate was done at:
CENTRAL INSTITUTE FOR LABOUR PROTECTION,
Czerniakowska 16, 00-701 Warszawa, Poland, no. 1437

Notified body for control production:
APAVE SU EUROPE SAS - CS 60193 - F13322
MARSEILLE CEDEX 16 - France, no. 0082

BASIC PRINCIPLES OF USING THE AZ090 SCREW LINK

- Before each use carry out a thorough visual inspection of the device for mechanical, chemical and thermal damages. The user of the device must carry out visual inspection. If any damages to the device are discovered, remove the device from operation.

- Before each use of the fall arrester, which includes the AZ090 screw link, check that all components are connected with each other in a correct way and they cooperate with each other without any disturbances and they comply with valid standards:

- EN 361 - Safety harness

- EN 354, EN 355, EN 353-1, EN 353-2, EN 360, EN 362, EN 363 Connecting and shock absorbing subassemblies

- EN 341 Descender devices

- EN 358 - Personal protective equipment for work positioning and prevention of falls from a height

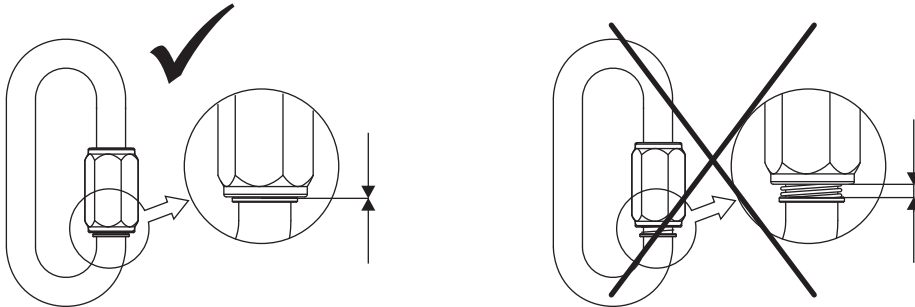
- Always check the length of the AZ090 link in the fall arrester, as it influences the distance of arresting a fall.

- Check some elements connected to the link, which can affect the decrease in its strength, e.g. connecting the link with wide belts, as well as attaching the link to structural elements with cross-section greater than 12mm.

- The load on the link must be applied along its main axis.

- The link must be attached only to attaching elements of the equipment for this purpose.

- Always completely close (tighten) the link's lock nut. The locking nut is correctly closed, if the entire thread is covered, and the nut contacts the lock ring. See illustrations below.



MAXIMUM LIFETIME - Correctly working connector lifetime is unlimited. The maximum lifetime depends on the intensity of usage and the environment of usage. Using the connector 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.

PERIODICAL INSPECTION - At least once a year (after every 12 months of use), the connector shall be subject to periodical inspection. The periodical inspection must only be carried out by a suitably qualified, 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 periodical inspection must be recorded in the Identity Card of the equipment.

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.

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 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 when it has been used to arrest a fall.
- 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 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.