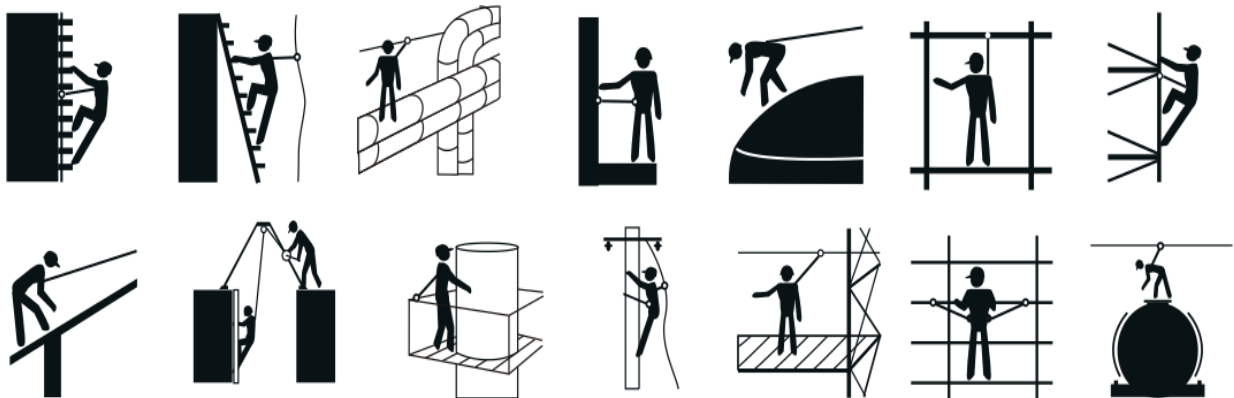


# ASSECURO®

## USE AND MAINTENANCE FULL BODY HARNESS NEUTRON, NEUTRON ELASTIC Catalogue No. CA 171, CA171E



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## APLICACION

NEUTRON, NEUTRON ELASTIC full body harness is Protection Equipment for work at height. Harness is designed for daily, intensive use for e.g. electrical installer, telephone installer .

Its main task is to:

1. make the work in a supported position more comfortable,
2. distribute fall restraint forces uniformly and to remove them to the strongest part of the body i.e. to pelvis bones,
3. protect the spine against fracture,
4. keep a vertical position of body after fall restraint and while waiting for rescue.

Full body harness is the only one acceptable equipment, supported the human body, which can be used in fall protection systems.

The full body harness complies with the European Standards EN 361:2002 and EN 358:1999.

## DESIGN AND MATERIALS

NEUTRON, NEUTRON ELASTIC full body harness is made of polyamide webbing (NEUTRON) or polyamide and polyester webbing (NEUTRON ELASTIC) and metal adjustment buckles that enable to fit the harness to the user's profile. Harness with fastening automatic buckle is also available. Main elements are: shoulder straps, thigh straps, work positioning belt.

The harness has two attachment points to hook the fall arrest system.

The BACK ATTACHMENT POINT is a D-ring may be additionally equipped with a 30 cm long WEBBING CONNECTOR for easy connection with the fall arrest system.

The FRONT ATTACHMENT POINT is made by the lugs formed by the shoulder webbing connected by snap hook type e.c. AJ 501T (complies with EN 362)

**CAUTION:** Take care about connection harnesses with fall arrest system - correct position of snap hook means that the decomposition of force should be along the major axis of snap hook (look at photo no [3]).

The back attachment D-ring is situated on plastic plate served a functioned as an back shock absorber during fall. NEUTRON full body harness are equipped with HIP BELT for work in supported position. Big, bent to the outside, lateral D-rings enable to fasten a connector of a positioning lanyard easily even with stout gloves. The positioning belt has a wide back support pad made of light, stiff and waterproof material. Thanks to its ergonomic shape the pad is an excellent support for the lumbar area and while distributing the pressure it makes it less inconvenient for the user working in an uncomfortable position even for a long time.

Small rings on the back of the belt are assigned for light tools (max 2kg).

**CAUTION: No modifications can be made in the construction of the full body harness. Any comments concerning its construction should be reported to the manufacturer.**

## CONDITIONS OF USE

We advise to issue the harness to the personal user.

Before accepting the harness for use, a person responsible for PPE should conduct an initial examination of equipment i.e.:

1. check that the data in the User's Card is conformable to identification plate of the harness,
2. closely examine the harness visually to ensure that it has not been damaged in transport

The harness that has been damaged or the data from the User's Card is inconsistent with the information on the identification plate cannot be accepted and should be returned to the supplier for examination.

Any repairs can be carried out only by Assecurio.

The date and a favourable result of the examination should be entered into the User's Card and the label in the "Date of release" entry. The inscription on the label should be made with a waterproof marker. The User's Card should be retained throughout the time of use.

***The equipment should be used by properly trained and competent person. Before working user should assess if it is possible to carry out an effective rescue operation in case of accident The user should be also trained in safely rescue.***

## DIRECTION FOR USE

1. Put the harness up by the back attachment point.
2. Slip on the shoulder straps so as to have the attachment point on the back.
3. Unbuckle thigh straps.
4. Pull the slack ends of thigh straps through the crotch.
5. Buckle the thigh straps.
6. Adjust the length of thigh and shoulder straps.
7. Buckle the connector of shoulder straps ( in option with connector of the shoulder strap).
8. Buckle and adjust the work-positioning belt.

The safety harness shall be fully effective if it is **put on and adjusted correctly** i.e.:

- there is a place for a hand fingers only between the shoulder strap and the shoulder or the thigh strap and the thigh,
- the back attachment point is positioned at the level of the shoulder-blades
- the front attachment point is situated at the bottom level of the breast-bone

- the slack ends of straps are guarded by plastic loops and placed close to the user's body.

## IMPORTANT RECOMENDATIONS

- Body harness can't be use in a different way for what it was intended.
- It is necessary to read the user's instruction before use
- Body harness can be used only by persons who do not have any medical contraindications against the work on height.
- Before each use a close visual examination should be made of the straps, buckles and seams.
- It is also essential to regularly check fastening and adjustment elements of the belt during use.
- Any harness with damages (abrasion, tear or rip) of textile elements must be withdrawn from use.
- Also any harness with a crack, strain or traces of corrosion on metal elements must not be used any further.
- The harness must be hooked to a stationary construction or some work station restraining system with a connecting sub-system and a hook.
- For the connection with components, subsystems or a fall arrest system you should use a connector which complies with EN 362
- Subsystem can be: retractable fall arrester (conforms to EN 360)e.g. AUTOBLOK, fall arrest device (in accordance with the norm EN 353-2) e.g. STOPER; a component can be: textile energy absorber (in accordance with the norm PN-EN 355) e.g. CE201... ***The device should be hooked to an anchorage point following the appropriate directions for use. Connecting the individual elements of fall arrest system should be made in accordance with the recommendations in appropriate manual instructions. The minimum resistance of the anchor point should comply with the value given in appropriate subsystem or element manual instruction. Each time, before using, the user should verify if the value of free space required beneath the user at the workplace is kept. This value must be in accordance with the value given in appropriate subsystem or element manual instruction.***
- Anchor point of the subsystem or component of safety system should be located directly above user's place of work.
- **Type of the fall arrest system determines using the front or the back attachment point.**
- A work-positioning belt is designed only for work in a supported position.
- **The connecting sub-system must not be joined to the lateral D-rings of the belt!**
- **Using the front attachment point both lugs must be employed – the harness must not be joined to the fall arrest system with only one lug.**
- In the course of use the harness should not have any contact with:
  - chemical agents e.g.:
    1. paints and solvents
    2. greases and oils
    3. acids, lye, alcohol
    4. wood preservatives with cresol
  - fire and sources of heat
  - sharp edges

### **If the harness contacts such agents it must immediately be withdrawn from use and destroyed.**

- Avoid a harness contact with oils and lubricates.
- Protect harness from UV rays.

Attention: in the case when you have doubts in connection with the technical condition of harness you should remove it from using and give it to qualified person which decided what to do with this harness.

## TIME OF USE, PERIODIC CHECKS, WITHDRAWAL FROM USE

Date of release for use should be entered into the User's Card and the label.

The time limit for safe use of the harness depends mainly on the degree of its wear and tear. However it should not be longer than 7 years since the date of manufacture or 5 years since the date of release for use (providing that in the period between the purchase and the release for use the harness has been stored in the original package and in storage conditions described in the clauses "Maintenance and storage").

After the periodic check made by ASSECURO the time of use may be lengthen.

## PERIODIC CHECKS

A person authorised to conduct periodic examinations of the PPE must examine the harness at least once a year. The results of such examination should be written down in the User's Card.

## CAUSES OF WITHDRAWAL FROM USE

**The harness should be withdrawn from use if:**

- 1. it has withstood a fall,**
- 2. 5 years since the date of release for use or 7 years since the date of manufacture has passed**
- 3. The examination showed that:**
  - **marking is unreadable**
  - **the seams, textile or metal elements are damaged**
  - **a contact with chemical agents has occurred**

- **The harness was damaged due to high temperatures or open fire.**

### MAINTENANCE

The harness should be cleaned with a damp cloth or washed in a running water at a temperature of less than 40°C. The harness should dry hanged in a ventilated area far from any source of heat.

### TRANSPORT, STORAGE

The harness should be transported in a container or in a package which marks impossible any mechanical damage of elements and which protects against undesirable influence of all chemicals factors.

The harness should be stored in a dry and, dark area far from any source of heat and in conditions excluding the risk of a mechanical or chemical damage.

The harness already used is best stored hanged.

### MARKING

Harness marked with informing tag (inside of shoulder strap) with the name (type) of product, conformity of standards, conformity mark and number of notified body which supervise the production, indication that the user's instruction must be read before use [1].

The back attachment D-ring is placed on the movable plastic plate working as a dorsal energy absorber in fall restraint. The plate is used also for the identification of the harness. It bears the following information: date of manufacture and the number of the harness.

The back attachment point is marked with „A” [2].

The front attachment point, made by the lugs formed by the shoulder straps webbing connected by snap hook is marked with a symbol „A/2” on each lugs [3].

[1] **ASSECURO®**

SZELKI BEZPIECZEŃSTWA  
FULL BODY HARNESS/HELSELE  
NEUTRON  
Nr kat.: **CA 171** 

Cat. no: **CA 171**  
Używać zgodnie z instrukcją/Follow the instruction of use

**CE 1437**

EN 361:2002

EN 358:1999

KJ

Data wydania do użytkowania  
Date of first use

[2]

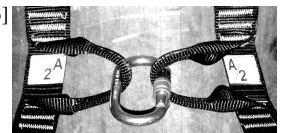
Serial no



Production date

Attachment point marking

[3]



On upper side of the shoulder strap there is a tag with company logo.

In User's Card last seven digits is a harness serial no.

### ATTENTION

Who sell the harness to another country that it was intended is obligated to provide the manual instruction in language of country where harness will be used.

### GUARANTEE

ASSECURO furnishes the guarantee for his ready-made and sold products for the period of 24 months counting from the date of purchase. The following equipment is not subject of the guarantee: intentionally or mechanically, chemically or thermally damaged, inappropriately used, with fractured seals; with illegible marking that makes impossible to identify the equipment repaired in an unauthorized service workshop; with made structural changes or other modifications.

This guarantee does not include the damages caused by improper use, non-corresponding to the instructions for use and maintenance and the service manual, as well as by wear and tear or natural ageing of the equipment.

GENERAL TERMS OF GUARANTEE are available on [www.assecuro.pl](http://www.assecuro.pl).

Guarantee applies to territory of Republic of Poland.

EC type examination report done by:  
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Control of the production is supervised by:  
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