



**EN795:2012 Typ B CEN/TS 16415:2013**

## 1. General

Connecting lanyard is an anchor device compliant with EN 795 Type B and can be used to provide protection of 3 users at the same time. Connecting lanyard can be used only as personal protective equipment to protect user against a fall from a height, and cannot be used for lifting loads.

The device is composed of PVC-coated galvanized steel cable and aluminium thimbles. According to EN 795:2012 Type B static strength of an anchor point is min. 14kN towards direction of force, and in configurations as shown in Fig. 1.

The device can be used for protection of three users at the same time. Maximum load that could be transmitted in service from the device to a permanent structure - 10 kN. This is the actual force which the connecting lanyard transfers onto the structure to which it is attached when a fall occurs. If the device is used as a part of a fall arrest system, the user must be equipped with an element limiting maximum dynamic forces applied on user while arresting a fall to max. 6 kN.

The device cannot be installed so support line of the device touches a sharp edge with radius of below 0.5mm.

Figure 1. Acceptable methods of installation of device

## 2. Overall dimensions of connecting lanyard

Figure 2. Overall dimensions of device

## 3. Time of usage

Maximum time of usage of correctly operating devices is unlimited.

The device must be withdrawn from use immediately and destroyed if it has been used to arrest a fall or there are any doubts concerning its function.

NOTE: Maximum time of usage of the device depends on intensity and environment of use. If the device is used in heavy conditions, being exposed to frequent contact with water, sharp edges, corrosive substances, extreme of temperatures, it may be necessary to withdraw the device after only one use.

## 4. Periodic inspections

At least once a year, after every 12 months of use, it is necessary to carry out periodic detailed inspection of the device. Periodic inspection shall be carried out by a service point authorized by the Manufacturer or a competent person with adequate skills, trained in performing inspections of such equipment.

A trained person is a person who, based on own specialized education and adequate experience, has sufficient knowledge in installed protective and rescue equipment, and is familiarized with applicable HSE regulations, guidelines and generally acknowledged technical rules to such extent that he is able to assess safety of use and correct application of safety devices.

After 5 years of use, it is recommended that periodic inspections are carried out by the manufacturer of the equipment or an entity authorised by the manufacturer to carry out such inspections.

Before each use of the system check whether date of the next inspection is not expired.

Do not use the device after this date. Before each use of the system visually check the system for its integrity and technical condition and whether steel cable is tensioned.

If any defect or lack of integrity is found, do not use the point.

In case of any doubt please contact the manufacturer. Do not attempt to repair the device!

A system which has been used to arrest a fall must be withdrawn from use immediately!

The system which has been used to arrest a fall may be admitted for use again after a detailed inspection is carried out by the manufacturer or an authorized service point.

When using the system, pay special attention to risks affecting operation of the personal fall protection equipment or the user's safety, and in particular to kinks and rope movement on sharp edges, oscillatory falls, electricity, influence of extreme temperatures, equipment damage, adverse environmental factors, chemical substances and contamination.

Neither modify, repair components of the system nor replace them with non-original spare parts.

## 5. Device marking

Figure 3. Method of device marking

## 6. Installation of connecting lanyard

- Before anchor point is installed, it must be stored in a place which is: clean, free from any vapours of corrosive substances, and in conditions preventing its mechanical damage. Also please take into account environmental conditions present in the place of installation which may cause corrosion of connecting lanyard and fasteners.

- Installation of connecting lanyard must be carried out by a properly qualified and skilled person familiarized with the instruction manual.

- Follow general rules for use of personal fall protection equipment in accordance with EN 795:2012,

- Example installations are shown in Fig. 1.

## 7. Installation of device

Three acceptable methods of installation are given in Fig. 1.

The device is equipped with fall indicator which deforms, breaks, bends if the device is affected by an instantaneous force of 3–4kN. If the fall indicator is damaged or shows any signs of deformation, it can be presumed that the device has been used to arrest a fall.

Figure 4. Fall indicator

## 8. Essential principles of use of personal fall protection equipment

- Connecting lanyard must be used in accordance with instruction manuals of personal fall protection equipment and standards:
  - EN 361 - full body harnesses
  - EN 352-3; EN 355; EN 360 - fall restraint devices
  - EN 362 - connectors
  - EN 795 - connecting lanyards
- personal fall protection equipment should be used only by personnel trained in its use.
- personal fall protection equipment must not be used by a person with medical condition that could affect safety of the equipment user in normal and emergency use.
- prepare a rescue plan to be implemented whenever necessary.
- it is forbidden to make any alterations or additions to the equipment without prior written consent given by the manufacturer.

- any repair shall only be carried out by manufacturer of the equipment or an authorised representative.
- personal fall protection equipment shall not be used for any purpose other than intended.
- personal fall protection equipment provides individual protection and shall be used by one person only.
- before each use make sure that all parts of fall protection system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.
- it is forbidden to use a combination of the equipment where function of any one component is affected by, or interferes with the function of any other.
- before each use of personal fall protection equipment, a pre-use check should be carried out to ensure that it is in a serviceable condition and operates correctly.
- In particular, inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. For individual devices pay particular attention to:
  - in full body harnesses and work positioning devices: buckles, regulating elements, attachment points (buckles), webbings, seams, belt loops;
  - in energy absorbers: attachment loops, webbings, seams, housing, connectors;
  - in lanyards and textile guides: rope, loops, thimbles, connectors, regulating parts, splices;
  - in lanyards and steel guides: rope, wires, clamps, loops, thimbles, connectors, regulating parts;
  - in retractable type fall arresters: lanyard or webbing, retractor and locking mechanism for proper operation, housing, energy absorber, connectors;
  - in guided type fall arresters: body, proper guiding, locking mechanism for proper operation, rollers, bolts and rivets, connectors, energy absorber;
  - in connectors (snap hooks): load-bearing body, rivets, main pawl, locking mechanism functionality.
- at least once a year, after each 12 months of use, personal fall protection equipment must be withdrawn from use to carry out periodic detailed inspection. Periodic inspection can be carried out by a properly trained and skilled person.
- Periodic inspections can be carried out also by the manufacturer of the equipment or his authorized representative, or an authorized company. Inspect in detail all accessible elements of the equipment paying attention to any damages, excessive wear, corrosion, abrasion, cutting or incorrect function (see the above item.) In some cases, if the fall protection equipment has a complex design (e.g. fall arresters), periodic inspections can be carried out by manufacturer of the equipment, or his authorized representative only. After the periodic inspection, date of the next inspection should be marked.
- regular periodic inspections are essential in respect of the equipment condition and safety of users which is dependant on functionality and durability of the equipment.
- during periodic inspection it is necessary to check the legibility of all markings on the equipment (identity label of the device).
- all information on fall protection equipment (name, serial number, date of purchase and date of first use, name of user, information on repairs and inspections and withdrawal from use) must be provided in the Identity card of the device. It is responsibility of user's organisation to provide the Identity card and to fill in the required details. The Identity card should be filled in by a person in charge of personal fall protection equipment in user's organisation. It is forbidden to use personal fall protection equipment if the Identity card is not filled in.
- if the equipment is re-sold outside the original country of destination the reseller must provide instructions for use, for maintenance, for periodic inspection and for repair in language of the country where the product is to be used.
- personal fall protection equipment must be withdrawn from use immediately if any doubts arise in regard of its condition, or proper operation. The equipment must not be used until manufacturer of the equipment carries out a detailed inspection and gives his written consent to use the equipment again.
- personal fall protection equipment must be withdrawn from use immediately and destroyed if it has been used to arrest a fall.
- full body harness is the only admissible device to be used to support the user's body in personal fall protection equipment.
- in full body harness, to attach a fall protection system use only attachment points (buckles, loops) marked with capital letter "A".

## 9. Warranty

The manufacturer grants a warranty for 12 months from the date of purchase of the device. If a defect is found in any part, the warranty and guarantee period for this part is extended by the time of repairs and effective removal of the defect found.

The warranty covers:

- Defects in material,
- Defects in workmanship,
- Anti-corrosion coating defects

In order to keep the warranty, it is necessary to follow procedures of periodic inspections specified in item 4 of the Instruction manual.