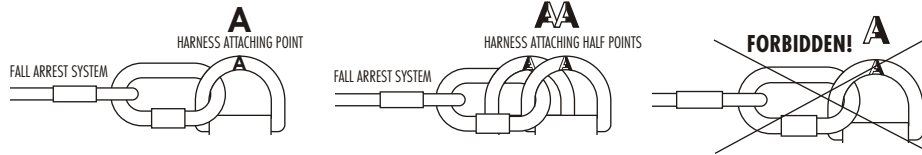


- a full body harness is the only acceptable body holding device that can be used in a fall arrest system.
- in full body harness use only attaching points marked with big letter "A" to attach a fall arrest system. Marking like "A/2" or a half of "A" means the necessity of attaching a fall arrest system 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.

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					

Tacklestore Ltd
Unit 23 Atlantic Road
Avonbridge Trading Estate
Avonmouth, Bristol
BS11 9QD, England

tel. 0044 1179 381600
fax 0044 1179 381 602
www.fall-protection.uk.com

Notified body, at which the European certification was performed and which supervises the production of the equipment:
APAVE SUDEUROPE SAS.

BP 3 - 33370 ARTIGUES près BORDEAUX France, no. 0082

Instruction Manual



EN 354:2002

EN 795:1996 Class B

CE 0082 Ref. AZ 410

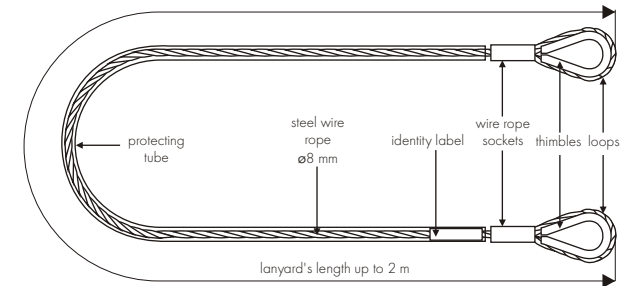
CONNECTING LANYARD

The connecting lanyard can be used as:

- a component of personal fall arrest equipment which is used to connect fall arrest devices to the structural anchor point.
- or
- a component of personal fall arrest equipment in conjunction with energy absorber. Fall arrest system consisted of energy absorber (complied with EN 355) connected to connecting lanyard AZ410 (complied with EN 354) attached to the full body harness (complied with EN 361) and connected to the structural anchor point (complied with EN 795) can be used as a basic personal protective equipment against falls from a height. The total length of this sub-system with a lanyard including an energy absorber, terminations and connectors shall not exceed 2 m.

CONSTRUCTION

Connecting lanyard is made of 1 m length steel wire rope of diameter $\varnothing 8$ mm. Endings of the lanyard are equipped with loops with thimbles. The rope is protected by a plastic, transparent tube.
The lanyard can be manufactured of length up to 2 m.



TIME OF USAGE

Connecting lanyard can be used for 5 years. After this period lanyard must be made a subject to detailed manufacturer's control.

The control can be carried out by:

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

During the control will be established time of usage till next fabric control.

The lanyard must be withdrawn from use immediately and destroyed when it have been used to arrest a fall.

APPROPRIATE STANDARDS

Connecting lanyard AZ 410 is tested to the standards:

- EN 354 (as a lanyard);
- EN 795 (as an anchorage device class B).

Connecting lanyard AZ 410 is appropriate for a single person use with an energy absorber to EN 355.

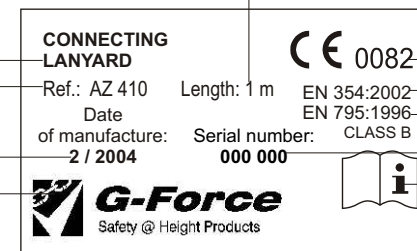
MARKING

length of the lanyard

type of the device
reference number

month and year
of manufacture

manufacturer
or distributor



CE marking with identity number of the notified body controlling manufacturing of the equipment (the article 11)

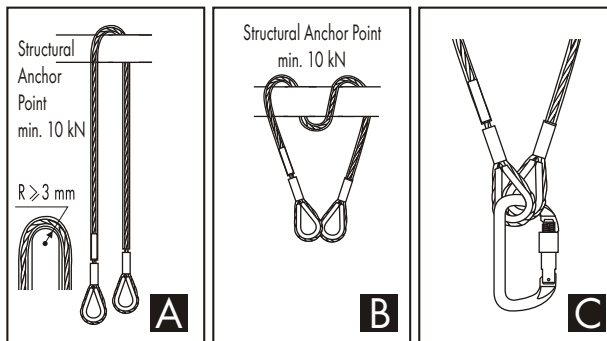
European standards (number/year) number

of manufacturing series

caution: read the manual

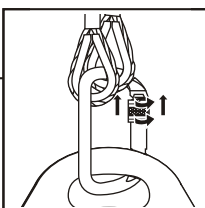
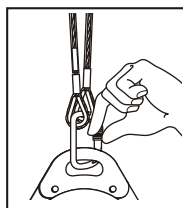
USING THE CONNECTING LANYARD TO FASTEN FALL ARREST DEVICE TO THE STRUCTURAL POINT

- Put connecting lanyard around a construction element (structural anchor point).
ATTENTION: The minimal radius of the construction element must be 3 mm without sharp edges - drawing **A**
- It is allowed to put a connecting lanyard around the construction element few times to shorten the length of a lanyard - drawing **B**
- Connect together endings of a lanyard with certified oval type connector - drawing **C**
- Connect a fall arrest device (e.g. retractable type fall arrester, guided type fall arrester etc.) to the lanyard's snap hook - drawing **D**
- It must be taken into consideration that during using connecting lanyard an additional distance "X" appears between structural anchor point to which the lanyard is connected and fall arrest device - drawing **E**
This distance may influence functioning of fall arrest device, its position, and fall arrest distance. All calculations concerning safety of working place, fall arrest distance, free distance below working level must take into account this additional distance. The fall arrest device must be situated above the level of attachment point of a harness to which is connected.

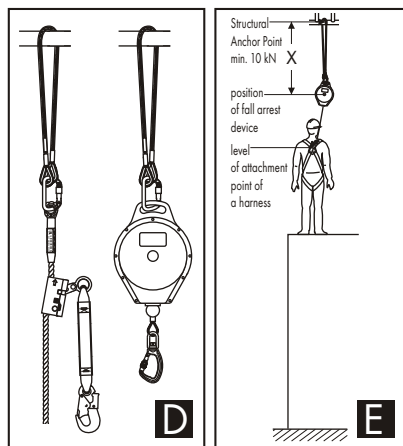


Attention:
Use only a certified (EN 362), oval type connectors which are made of bar of minimal diameter 10 mm

Attention!

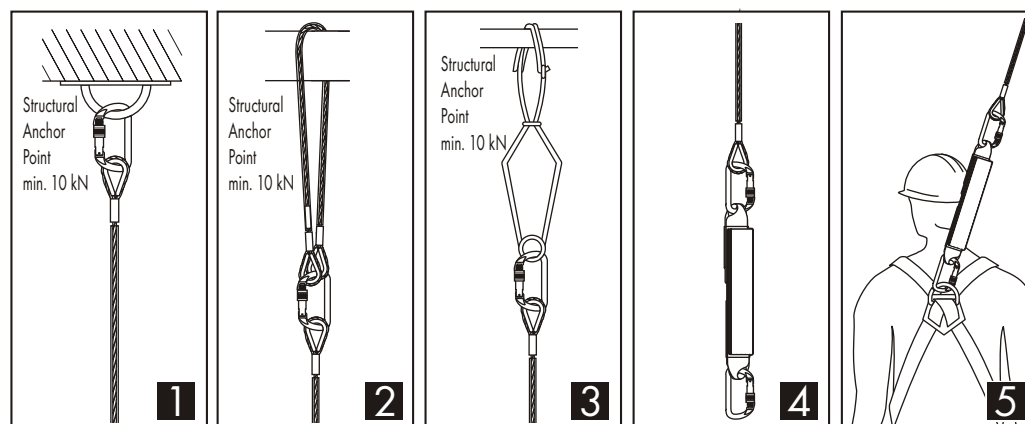


always work with a locked connector protected by tightening up a nut

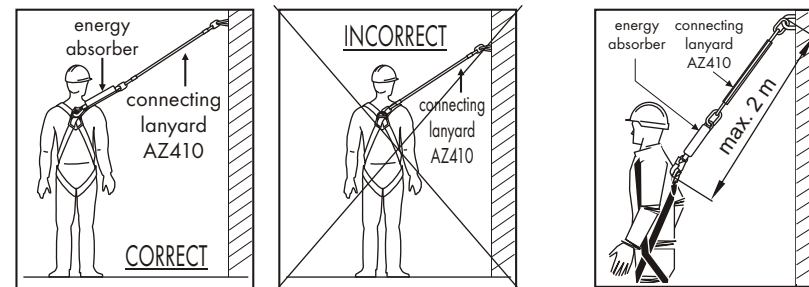


USING THE CONNECTING LANYARD AS A COMPONENT OF FALL ARREST SUB-SYSTEM

- Connect one ending of the lanyard with the snap hook to the structural anchor point of minimal strength 10 kN:
- directly - drawing **1**
- with a second connecting lanyard - drawing **2** or anchor hook - drawing **3**
- Connect the second ending of the lanyard to the energy absorber with the second snap hook - drawing **4**
- Entire fall absorbing device (lanyard+energy absorber) connect to the front or back attaching buckle of the safety harness - drawing **5**



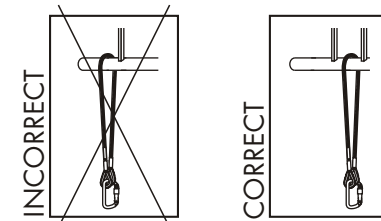
IT IS STRICTLY FORBIDDEN to connect the harness attaching buckle to the structural anchor point with connecting lanyard AZ410 without the energy absorber.
The total length of the sub-system with connecting lanyard AZ 410 including an energy absorber, terminations and connectors shall not exceed 2 m.



Using the connecting lanyard in connection with fall arrest system must be compatible with use instructions of the fall arrest systems and obligatory standards:

- EN 361 - for safety harness;
- EN 353-2, EN 355, EN 360 - for fall arrest equipment.
- EN 362 - for the connectors.
- EN 795 - for anchorages.

The structural anchor point should be situated above the working place and the shape of the structural anchor point should not let self-acting disconnection of the lanyard.



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 guidelanes - rope, loops, thimbles, connectors, adjusting element, splices;
 - in steel lanyards or lifelines or guidelanes - 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 have been used to arrest a fall.