

- 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 WITHDRAWN FROM USE SHALL BE NOTED INTO THE IDENTITY CARD BY A COMPETENT PERSON.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 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					

EC type examination carried out by CETE APAVE SUDEUROPE, BP 193, 13322 Marseille, France - 0082

PROTEKT, 93-403 ŁÓDŹ, ul. Starorudzka 9, POLAND, TEL: (48 42) 680 20 83, FAX: (48 42) 680 20 93, www.protekt.com.pl

# INSTRUCTION MANUAL



Please refer to the following instruction manual before using the equipment

CE 1437

EN 795:1996

Class B

**PROTEKT®**  
 HORIZONTAL, ADJUSTING ANCHORING LINE  
**LP 200 FLR**  
 Ref.: LP 200 FLR xx

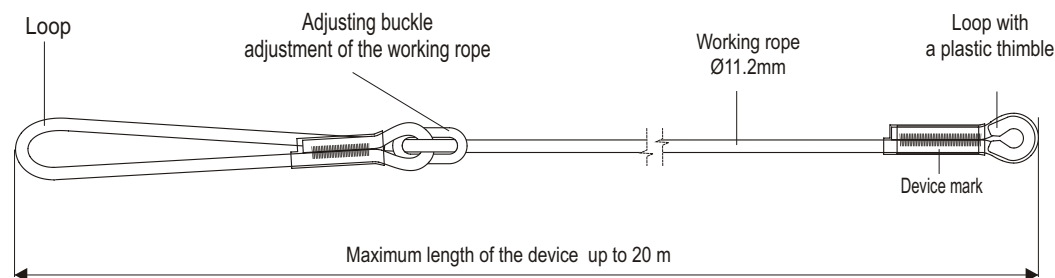
LP 200 FLR horizontal, adjusting anchoring line is a component of personal protective equipment to arrest falls. It should be used while carrying out works, which require frequent relocation in the horizontal plane. The LP 200 FLR horizontal, adjusting anchoring line conforms with EN 795 B class (portable anchor points).

LP 200 FLR horizontal, adjusting anchoring line is a single-person protection.

### DESIGN

The device is manufactured from Ø11.2 mm aramid braided polyamide core rope.

The unit is completed the one side with a loop and a thimble, and on the other with a loop and an adjustment buckle.

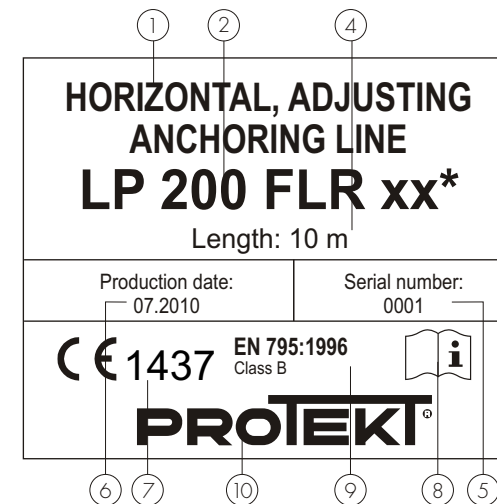


### NOTE

LP FLR 200 horizontal, adjustable anchor line can be equipped only with snap hooks certified according to EN 362.

### DEVICE MARKING

1. device type
  2. catalog number\*
  4. rope length
  5. serial number
  6. month/year of manufacture
  7. CE mark and the number of the notified body responsible for monitoring the manufacturing process of the device (Article 11)
  8. caution: read the manual
  9. European standards (number and year)
  10. Marking of the manufacturer or distributor
- \*] XX designation of the rope's length, e.g.: XX= 15 length: 15 m



PROTEKT  
 ul. Starorudzka 9  
 93-403 ŁÓDŹ  
 www.protekt.com.pl

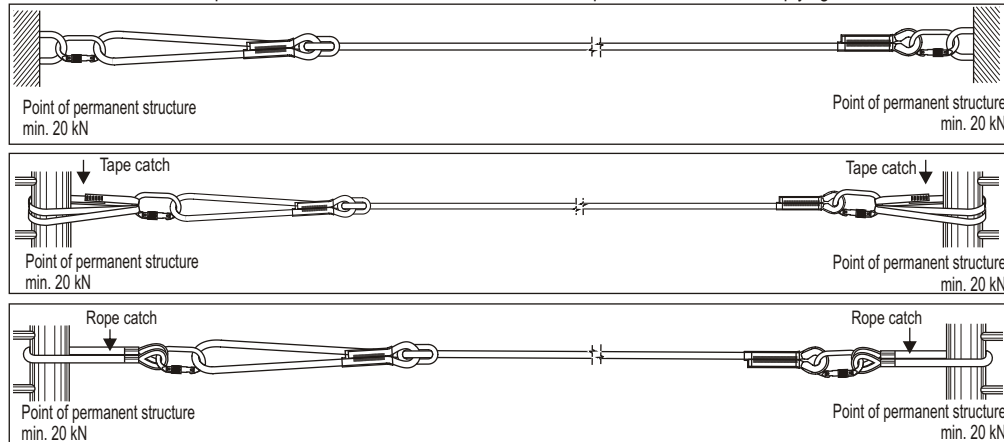
The certificate is made in the  
 Central European Institute for Labour Protection  
 ul. Czerniakowska, 00-701 Warszawa, Polska  
 nr 1437

## METHODS OF ATTACHING HORIZONTAL ROPE TO ANCHORAGE POINTS OF THE PERMANENT STRUCTURES

### Caution!

The shape and structure of the permanent structure's anchorage points must allow for impeding the automatic disconnection of the horizontal lifeline.

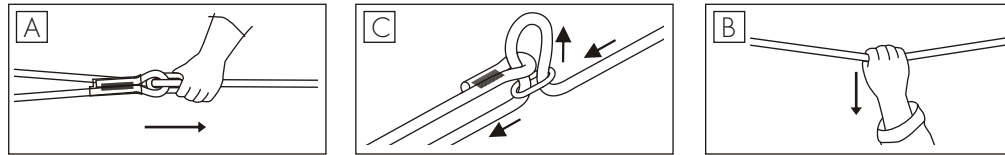
Points of the permanent structures must be on an equal level (above the working position) and have the static strength of min. 20 kN. It is recommended to use the points marked and certified in accordance with the permanent structure complying with BS 795.



## ADJUSTING THE LENGTH AND TENSION OF THE ROPE

[A] Hand-tighten the working rope. Moving the adjusting buckle tighten the rope; Figure - [B] to eliminate the sagging of the rope, as much as possible Figure A

[C] Check the deflection of the rope by pulling the tight working rope downwards. Correctly tight and locked rope cannot slacken under manual pressure.



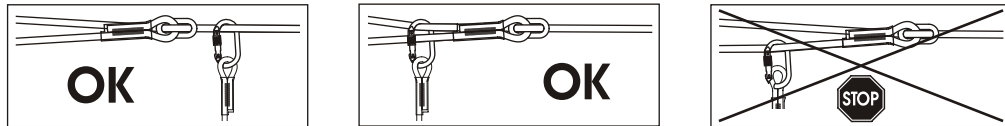
## REMOVING THE ROPES

To remove the LP 200 FLR rope loosen the adjusting buckle toward the adjusting loop and detach the snap hooks.

### CAUTION!

When connecting the attaching and shock-absorbing set to the LP200FLR rope use Class B snap hooks.

When connecting the attaching and shock-absorbing set to a single working rope behind the adjusting buckle, or to two ropes in front of the adjusting buckle do not attach to a single rope when connecting the snap hook on the side of adjustment.



## OPERATING TIME

There is no specific operation time of the horizontal lifeline, but after the first five years of using the harness a manufacturer's inspection must be carried out.

Manufacturer's inspection can be carried out by:

- rope manufacturer;
- a person authorized by the manufacturer;
- a company authorized by the manufacturer.

During the manufacturer's inspection, the working rope and the auxiliary rope will be replaced, and operating time of the device will be specified until the next manufacturer's inspection.

## WITHDRAWAL FROM USE.

The withdrawal from use with confirmation in Operation sheets shall be made by a person responsible in the workplace for protective equipment.

Horizontal lifeline must be withdrawn from use and discarded (physically destroyed) if the rope was involved in arresting a fall.

Horizontal lifeline must be withdrawn from use and sent back to the manufacturer in order to assess its further fitness if mechanical, chemical or thermal damage to components of the device is identified or in case of any doubts as to the proper status of the device.

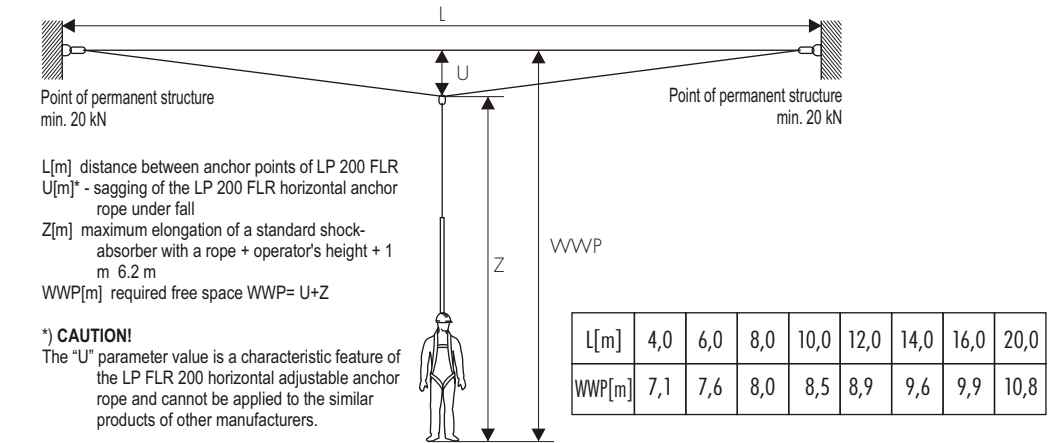
## RULES OF CORRECT WORK USING THE LP200 FLR ANCHOR ROPE

The LP 200 FLR horizontal adjusting anchor rope should be used by persons trained at working at heights.

The LP 200 FLR horizontal adjusting anchor rope is personal protective equipment and should be used by one person.

Before each use of the LP 200 FLR ropes a thorough examination of all components (length adjusting element, loop, thimbles, rope and seams) should be carried out in terms of mechanical damage, chemical and thermal. The examination is carried out by its operator. The rope should be withdrawn from use if there is any damage discovered. The rope should also be withdrawn from use and sent to the manufacturer in order to further assess its suitability for use in case of any doubt as to the proper condition of rope.

When using the LP 200 FLR horizontal adjusting anchor rope maintain the required free space under the workplace. This space depends on the length of the auxiliary rope (table and illustration below).



### \*) CAUTION!

The "U" parameter value is a characteristic feature of the LP FLR 200 horizontal adjustable anchor rope and cannot be applied to the similar products of other manufacturers.

If you cannot undo the LP 200 FLR rope without avoiding sagging:

- add the value of the rope's sagging to the value of the WWP parameter from the table,

If the calculated WWP value is greater than the space that occurs in a given workplace:

- use a shock-absorber with a shorter rope, or
- use a horizontal protection device with a rigid guide.

The shock absorber (complying with EN 355) with a rope is the only connecting and shock-absorbing component, which can connect the harness (complying with EN 361) to the LP 200 FLR rope.

It is prohibited to use cable retractors or self-locking devices in place of the shock absorber with a rope.

## 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, ferules, 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.
- a full body harness is the only acceptable body holding device that can be used in 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 15 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.