



For a safer world

## Product catalogue



## FALL ARREST equipment





## 50 years experience in looking after your safety



A world leader in fall arrest devices, Capital Safety Group, with its **Protecta** brand, is an indispensable partner for your safety.

Professionalism, innovation and technical expertise have all contributed to the success of its various product ranges over half a century: harnesses, belts, self retracting fall arrest devices, lanyards, but also horizontal and vertical life lines, items designed for use in rescue and rope work...

Because hazardous situations often arise, there is always a **Protecta** solution that is suited to your surroundings.

### **Our principal objective : quality**

Since its launch, Protecta's goal has always been to respond to the demands of product quality and to quality criteria in the design and manufacture of its products.

In order to guarantee maximum reliability, Capital Safety carries out extensive daily checks at every level, supported by its metrological and testing laboratory.

Our system of quality assurance, accredited under the ISO 9001 standard and complying with European directive 89/686/CE, is constantly audited by BSI (British Standard Institution). This quality monitoring, in combination with the submission of pass certificates for CE exams, allows Protecta to use the CE marking on all its range of PPE (personal protective equipment).



## Protecta throughout the world

With more than 80% of the brand's turnover achieved through export, Protecta products are available in more than 70 countries.

## A network of distributing partners

In order to market its products throughout the world, Protecta relies on a network of more than 1000 partners to distribute the brand abroad. Our distributing partners receive constant training on our new products, and, with their knowledge of the local markets, help to enrich what we have on offer, a fact which has already attracted numerous international clients.

### CAPITAL SAFETY GROUP Global Presence



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# THE FALL ARREST SYSTEM

For effective protection against falls while working at height, and to conform to European legislation (EN 363), a fall arrest system must be made up of the 4 following elements:

## 1 - Anchorage point

This is the point at which the fall arrest system is safely attached.

**The choice of anchorage point is vital for the user's safety.**

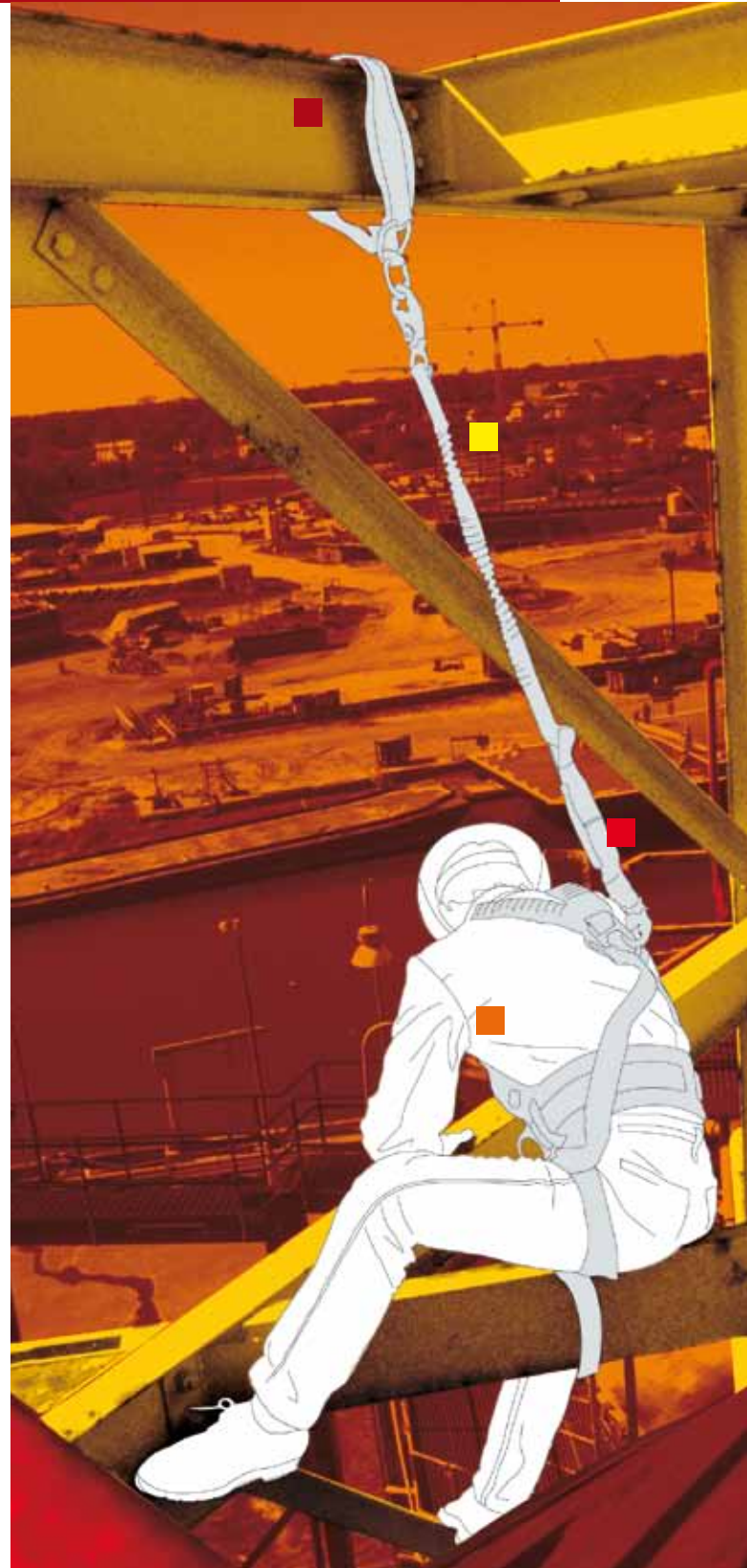
The type of anchorage varies depending on the available structure, and should be chosen to suit the work that is to be carried out, the method of protection required (fall arrest or positioning) and the PPE in use (compatibility of clearance, usage restrictions, etc.).

You should ensure that the anchorage is strong enough to support the forces placed on it by a fall.

## 2 - Fall arrest harness

The fall arrest harness prevents damage to the body in the case of a fall. **Its design should ensure that the shock is spread out equally across the whole body, so that the risk of injury caused by a fall is completely eliminated.** It is fitted with one or more 'D's, or attachment rings, meaning that the user can be connected to the rest of the fall arrest system. **The harness should be chosen to suit the work that is to be carried out, and should comply with the EN361 standard.**

The fall arrest harness can also include a device to position the user correctly for the work (positioning belt and lanyard), leaving his or her hands free for work.



In order to ensure the best possible use of the fall arrest system, it is vital that all the elements (anchorage point, fall arrest harness, connecting element and shock absorber) are compatible with each other.





### ■ 3 - Connecting element

The connecting element links the user (via his or her harness) to the anchorage point. This equipment (lanyard, rope-grab fall arrester, self retracting fall arrester etc.) should be chosen with attention to the freedom of movement it offers to the user whilst guaranteeing his or her safety in the event of a fall. It is important that you check the connecting element is compatible with the working environment (clearance, presence of steep ridges, risk of pendular effect, etc.) and with the type of work that is to be carried out (for example welding or painting may damage the equipment if it is not suited to these tasks). This element should always include a shock absorbing device, to guarantee that the user is not injured when his or her fall is broken (impact less than 6 kN in the event of a fall). **It is vital that you use only equipment bearing the CE mark; various standards are applicable, depending on the equipment chosen: EN 353-1, EN 353-2, EN 354, EN 355, EN 358, EN 360, EN 362, EN 363 (p.57).**

### ■ 4 - Rescue procedure

**Each time, before using a fall arrest system, you must make arrangements as to how a rescue operation will be carried out if this is necessary.** In the event of a fall, the user may be suspended in the harness and unable to get down without help.  
The procedure should take account of the working environment, the means at your disposal, and the speed of implementation.

If you wish more information, please contact our advisors on : **+33 (0) 4 97 10 21 11 - EMEA**  
**+44 (0) 1928 571324 - NE**

**N.B.: a fall arrest system is only complete if an appropriate rescue procedure has been put in place for the event of a fall.**

Positioning your harness correctly is of paramount importance for the use of your fall arrest system.

## How to put on your harness correctly

Correct adjustment of the shoulder straps and thigh straps increases the level of comfort while working, and provides optimum safety in the event of a fall.

→ Before putting on your harness, it is important that you submit it to a visual inspection, in order to ensure that the equipment you will be using is in good condition (see the chapter on visual checks for more details).



To put on your harness correctly:

- 1 Hold it by the dorsal attachment D ring, check that no straps are twisted or tangled up, then undo all the buckles (if necessary).
- 2 Take hold of the shoulder straps and put on your harness as if it were a jacket. The dorsal attachment D ring should sit in the middle of your back, at the same height as your shoulder blades (Check that the shoulder straps are not twisted, and that they are fitted vertically).
- 3 Fasten the chest strap.
- 4 Then adjust each strap individually (by pulling the free end of the strap or letting it out), so that the sub-pelvic strap is correctly positioned under your buttocks.
- 5 One after the other, pass the thigh straps between your legs to connect each one to the buckle that is located on your hip on the same side (take care, always make sure that you do not cross or twist the thigh straps).

Before you begin working at height, have your equipment checked by a work colleague to be certain that you have not made any mistakes.



- 6 Adjust the thigh straps so that you can easily slip your hand under the strap (if you can fit your clenched fist through then your harness is too loose, you must readjust it.) If your harness includes a closed positioning belt, adjust this to suit you. Take care to thread the surplus strap through the plastic keepers, so that it does not impede your movements.

# Regular checks

Within a period of less than 12 months, the items of personal protective equipment used to prevent falls from a height, whether currently in use or in storage, should all be checked by a competent person.

The aim of the periodic check is to:

- Ensure that the personal protection equipment is in good condition, and permit the identification of any defects liable to cause a deviation from the required level of safety or protection, or lead to dangerous situations for the users. This check is particularly concerned with the general state of the stitching, webbing, and with the fixing methods used in personal protective systems to prevent falls from a height.
- Make sure that each piece of personal of protective equipment is accompanied by clear and precise instructions written in the language of the country,
- Take the necessary steps to ensure that, when the lifespans or use by dates (defined by the manufacturer) of the PPE are up, the items are disposed of in good time and are no longer used.
- Check that the storage instructions relating to the PPE are met, and that the items are maintained in line with the manufacturer's instructions.

This check should be carried out in line with the service duties detailed in the instruction leaflet.

The interval between the checks may be reduced, notably due to storage or environmental conditions, to method of working, or to the design of certain elements that are placed under strain liable to damage their protective function.

The checks are carried out by competent persons, who may or may not be company employees. These persons should have the necessary competence to carry out their work relating to the PPE, and should be aware of the regulatory dispositions that are currently in force.

The results of the general periodic checks should be noted on the safety register or on the PPE's identification sheet.

## Training / Information

Buying high quality products with a good reputation is a start, but you must learn to use them safely!

Capital Safety Group organises training sessions on its products systems and on PPE (technical training, working conditions, but also legal obligations...).

The distributors and/or users of the fall arrest equipment are trained by professionals in how to use the products, the checks to carry out on them, and how to install them.

## Definition

**Of a competent person**  
(cf. Section 3.3 EN365:2004)

“Someone who is aware of the current demands pertaining to regular examinations, and of the manufacturer's recommendations and instructions that are applicable to the component, sub-system or system to be inspected”

## Service Centre

“Annual checks should be carried out on the PPE by a qualified person”. For this reason, Capital Safety Group has set up “Service Centres” to take care of this in the main countries.

These are managed by people accredited by our society. They carry out inspections, repairs, maintenance and checks on PPE, and also function as training centres all year round.





**The right harness.  
In the right size.  
At the right price.**

The new generation of PRO harnesses from PROTECTA has been specifically designed to meet the needs of users in terms of comfort and security. Thanks to materials that are lighter and also more comfortable, users feel less tired, which has a direct and significant impact on productivity. The PRO range enables users to work with total confidence and safety on the majority of applications: including fall arrest, climbing, positioning, retrieval and many others.

## ■ ■ ■ Fall arrest harnesses



### PRO AB102 fall arrest harness

Multifunctional, the PRO AB102 harness with its three anchorage points, meets most requirements for protection against falls. Safe: its careful design ensures optimal safety in the event of a fall. Comfortable; its numerous adjustable straps give a perfect fit.

Also available in S and XL

#### AB10213\*

- 1 dorsal attachment D ring
- 2 lateral attachment D rings
- Adjustable thigh and shoulder straps
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.300 kg

CE EN361

**New**

#### AB20213\*

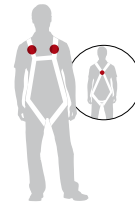
- Automatic buckles
- 1 dorsal attachment D ring
- 2 lateral attachment D rings
- Adjustable thigh and shoulder straps
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.440 kg

CE EN361

\* Ref. : Size M/L



### PRO AB100 fall arrest harness



This harness, which includes an anchorage point, is designed to provide protection from falls during 'simple' work at height (work in gondolas, on flat roofs, etc...). Its unique adjustment properties make it perfect for occasional use.

Also available in S and XL

#### AB10033\*

- 1 dorsal attachment D ring
- Adjustable thigh straps
- Dorsal piece with shock absorbing effect
- Weight: 0.859 kg

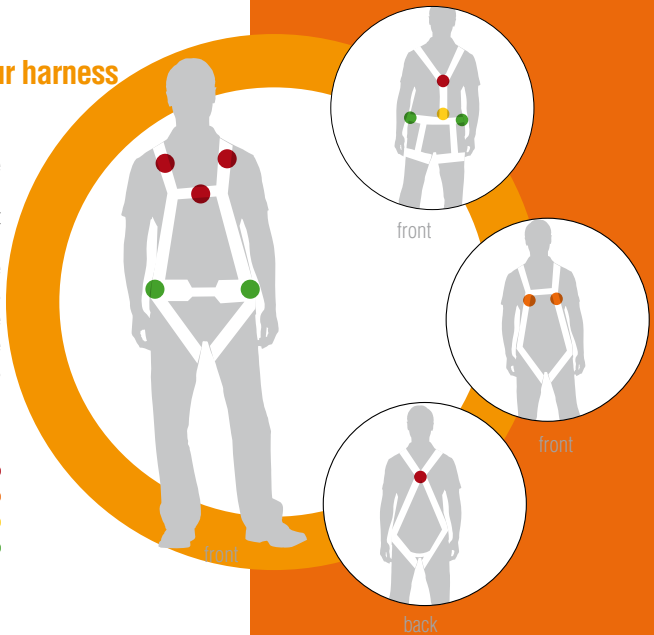
CE EN361

\* Ref. : Size M/L

## Choosing your harness

Harnesses for multiple uses, harnesses for suspended work, harnesses with positioning belts - you can choose your equipment to suit the work you will be doing. The dorsal anchorage D ring is the best point of attachment to use for fall prevention. The anchorage points on the front of the body are used as fall arrest measures during access (ascent using a glider on a rope, or with a system fixed to a cable or a rail) or during work on such features as inclined roofs. Less often, the anchorage points on the front of the body may be used for rescue, or when work is carried out in confined spaces. Work on ropes is undertaken using the D ring or the specially designed suspension rings located in the abdominal area. If the work to be carried out requires the use of a positioning lanyard, you should choose a harness that includes a positioning belt as well as the anchorage points that are vital for fall arrest.

- D ring for fall arrest anchorage - ●
- Rings or fall arrest D anchorages- (to be used in combination) - ●
- Suspension 'D's or rings - ●
- Positioning D ring - (to be used in combination) - ●



# PRO harness range

## PRO AB101 fall arrest harness



**AB10113HV**  
**Hi-Vis**  
CE EN361 - EN471

This harness, with its single anchorage point, is designed to prevent 'simple' falls. It is perfectly suited to maintenance work, construction work, or use with a life line. Its numerous adjustable straps give a perfect fit, guaranteeing greater comfort.

Also available in S and XL

### AB10113\*

- 1 dorsal attachment D ring
- Adjustable thigh and shoulder straps
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.115 kg

CE EN361

\* Ref. : Size M/L

## PRO AB113 fall arrest harness



**AB11313HV**  
**Hi-Vis**  
CE EN361 - EN471



**AB21313**  
**Automatic buckles**  
CE EN361



**AB11313R**  
**Rescue**  
CE EN361

With a design based on the PRO AB101 harness, and including all of its functions, the PRO AB113 also has a sternal anchorage point that allows the use of vertical access systems and work on inclined roofs.

Also available in S and XL

### AB11313\*

- 1 dorsal attachment D ring
- 1 sternal attachment D ring
- Adjustable thigh and shoulder straps
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.175 kg

CE EN361

\* Ref. : Size M/L

## PRO AB112 fall arrest harness



This harness certainly has the most features in the range. With its 4 fall arrest anchorage points, the PRO AB112 is a harness that is suitable for practically any use: whatever the situation, it will have a suitable anchorage point. Maintenance work, construction, industry, secured access.

Also available in S and XL

### AB11213\*

- 1 dorsal attachment D ring
- 1 sternal attachment D ring
- 2 lateral attachment D rings
- Adjustable thigh and shoulder straps
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.355 kg

CE EN361

\* Ref. : Size M/L



□ ■ **Fall arrest harness with positioning belt**

**PRO AB104 fall arrest harness**

Used in combination with a positioning lanyard, this belted harness, with an anchorage point, is designed for working in one position. It is perfectly suited for use in maintenance or construction work. Its numerous adjustable straps give a perfect fit, guaranteeing greater comfort.

Also available in S and XL



**AB104135\***

1 dorsal attachment D ring

2 positioning D rings on the belt

Adjustable belt with supporting back pad

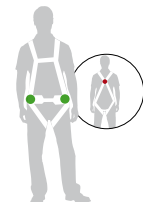
Adjustable thigh and shoulder straps

Fall indicator

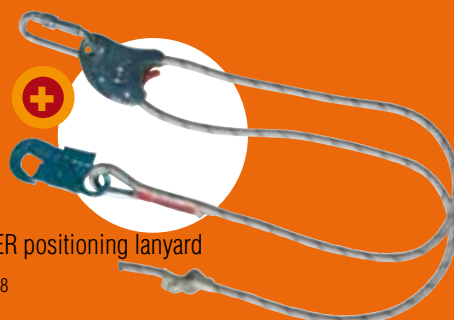
Dorsal piece with shock absorbing effect

Weight: 2.35 kg

CE EN361 / EN358



\* Ref. : Size M/L



**AF777**  
TRIGGER positioning lanyard  
CE EN358



### AB011

400 mm extension strap

Connection to the dorsal D ring on the harness with screw gate triangle

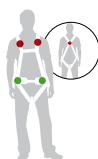
45 mm polyester strap with D ring anchorage

Weight: 0,215 kg

CE EN354



### PRO AB105 fall arrest harness



With its three anchorage points and its positioning belt, the PRO AB105 is a multifunctional belted harness that meets most users' fall prevention requirements for work in one position. Its careful design ensures optimal safety in the event of a fall.

Also available in S and XL

#### AB105135\*

1 dorsal attachment D ring

2 lateral attachment D rings

2 positioning D rings on the belt

Adjustable belt with supporting back pad

Adjustable thigh and shoulder straps

Fall indicator

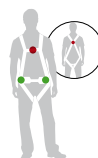
Dorsal piece with shock absorbing effect

Weight: 2.140 kg

CE EN361 / EN358

\* Ref. : Size M/L

### PRO AB114 fall arrest harness



This belted harness, with its two anchorage points, is perfectly suited to maintenance work, construction activities or use on pylons. Its numerous adjustable straps give a perfect fit, guaranteeing greater comfort.

Also available in S and XL

#### AB114135\*

1 dorsal attachment D ring

1 sternal attachment D ring

2 positioning D rings on the belt

Adjustable belt with supporting back pad

Adjustable thigh and shoulder straps

Fall indicator

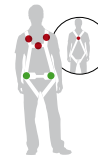
Dorsal piece with shock absorbing effect

Weight: 2.060 kg

CE EN361 / EN358

\* Ref. : Size M/L

### PRO AB115 fall arrest harness



With a design based on the PRO AB112 harness, and including all of its functions, the PRO AB115 also has a positioning belt for work situations requiring the use of a positioning system.

Also available in S and XL

#### AB115135\*

1 dorsal attachment D ring

1 sternal attachment D ring

2 lateral attachment D rings

2 positioning D rings on the belt

Adjustable belt with supporting back pad

Adjustable thigh and shoulder straps

Fall indicator

Dorsal piece with shock absorbing effect

Weight: 2.274 kg

CE EN361/EN358 \* Ref. : Size M/L

# FLEXA harness range

## Models with Belt

## More Flexibility for greater Comfort

Designed for the most demanding of users, the new FLEXA range of harnesses combines safety, comfort and productivity.

Elastic shoulder straps as well as articulation rings provide the user with greater freedom of movement.

Multiple adjustments allow the weight of the harness to be perfectly distributed over the whole body, improving user comfort and reducing fatigue.

### AB127334

- Front and rear forged D rings
- 180° Belt - Wide opening lateral D rings
- Adjustable thigh straps and elastic shoulders
- Tongue and grommet buckles
- Articulation Rings
- Fall indicator
- Tool Holder
- Weight: 2.780 kg

CE EN361 and EN358



**AB128336**  
(with automatic buckles)



**AB126336**  
(with standard buckles)

Reference	Size				Weight
AB126326	S				2.38 kg
AB126336	M/L				2.42 kg
AB126346	XL				2.46 kg
AB127324	S				2.74 kg
AB127334	M/L				2.78 kg
AB127344	XL				2.72 kg
AB128326	S				2.60 kg
AB128336	M/L				2.64 kg
AB128346	XL				2.67 kg



**AB12333**  
(with standard buckles)



**AB12433**  
(with tongue and grommet buckles)

Reference	Size			Weight
AB12332	S			1.18 kg
AB12333	M/L			1.22 kg
AB12334	XL			1.26 kg
AB12432	S			1.44 kg
AB12433	M/L			1.48 kg
AB12434	XL			1.52 kg
AB12532	S			1.43 kg
AB12533	M/L			1.47 kg
AB12534	XL			1.51 kg

### AB12533

- Front and rear forged D rings
- Adjustable thigh straps and elastic shoulders
- Automatic buckles
- Articulation Rings
- Fall indicator
- Accessory attachment point
- Weight: 1.470 kg

CE EN361 and EN358

## Models without Belt



## Other harnesses available in the FLEXA range:



- AB101E**
- 1 rear D ring
  - Adjustment of shoulder and thigh straps
  - Energy absorbing back plate
  - Weight : 1.060 kg
  - CE EN361:2002



- AB102E**
- 1 rear D ring, 2 lateral D rings
  - Adjustment of shoulder and thigh straps
  - Energy absorbing back plate
  - Weight : 1.205 kg
  - CE EN361:2002



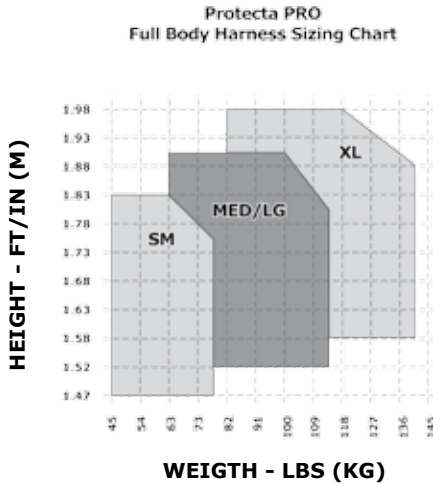
- AB113E**
- 1 rear D ring and 1 front D ring
  - Multiple adjustments
  - Energy absorbing back plate
  - Weight : 1.165 kg
  - CE EN361:2002



- AB113EA**
- 1 rear D ring and 1 front D ring
  - Automatic buckles
  - Multiple adjustments
  - Energy absorbing back plate
  - Weight : 1.395 kg
  - CE EN361:2002

## Choosing the correct size of harness

Work better, and in complete safety, with a harness that is perfectly suited to your size. In the table below, choose the size that is best suited to you.



## PRO AB230 and AB260

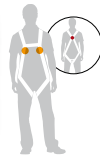


If comfort is a deciding factor when choosing a harness, PRO AB230 and AB260 harnesses are the ideal solution.

Created from innovative materials, PRO AB230 and AB260 boasts many comfort features (anti-perspiration padding, automatic fastenings...) that take the strain off the user during long periods working at height.

PRO AB230 and AB260 harnesses include a back pad in a shape that has been carefully researched. It ensures maximum comfort and lightness thanks to an unique ventilated material.

## PRO AB230 fall arrest harness



Easy to put on, and extremely comfortable, the **AB230** range are harnesses that you will love to wear. A large ergonomic back pad, fast closing buckles, use of anti-perspiration materials, carefully finished - these are the advantages that make all the difference.

Also available in S and XL

### AB23013\*

- 1 dorsal attachment point
- 2 sternal attachment loops
- Adjustable thigh and shoulder straps
- High comfort ergonomic back pad
- Cushioned thigh straps
- Quick fitting and closure by means of automatic buckles
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 1.690 kg

CE EN361 \* Ref. : Size M/L

## PRO AB260 fall arrest harness with positioning belt

Further proof that there is no need to sacrifice comfort in the name of safety, **PRO AB260** introduces a new perspective on safety at work - yes, a harness can perform well and also be comfortable.

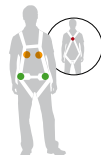
With its 2 fall arrest anchorage points (at the front and the back), and its padded belt, it offers excellent support during work in any position. The **AB260** is a multifunctional harness that will win over even the most demanding users.

Also available in S and XL

### AB260136\*

- 1 dorsal attachment point
- 2 sternal attachment loops
- 2 positioning D rings on the belt
- Adjustable thigh and shoulder straps
- Adjustable belt with a high comfort ergonomic back pad
- Cushioned thigh straps
- Quick fitting and closure by means of automatic fastenings
- Rings to carry accessories
- Dorsal piece with shock absorbing effect
- Fall indicator
- Weight: 2.650 kg

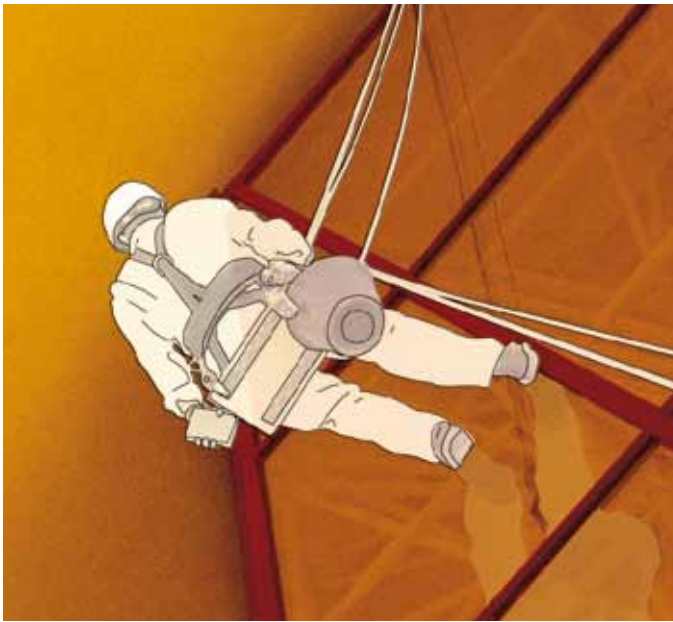
CE EN361 / EN358 \* Ref. : Size M/L





## Atlas harnesses

Protecta conceived and developed the **ATLAS harnesses** for use in rope work, difficult access situations or rescue missions. Real working tools, you will be able to forget that you are wearing them, meaning that you can concentrate on your task without having to worry about your safety.



### ATLAS harness

A fall arrest harness specially designed for rope work. Lightweight and versatile, it is the ideal harness for suspended work. As at ease with work on building facades as with rescue operations, its ergonomic properties allow the user to be suspended for a long period of time without becoming tired.

Available in various sizes: M - L - XL - XXL



#### AG551

1 dorsal attachment D ring

1 dorsal attachment D ring

1 central suspension point

Positioning belt equipped with 2 lateral buckles

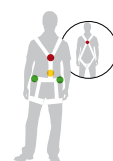
The straps can be adjusted quickly and easily

The thigh straps are adjusted with a flat buckle

Accessory holders

Weight 1.79 kg

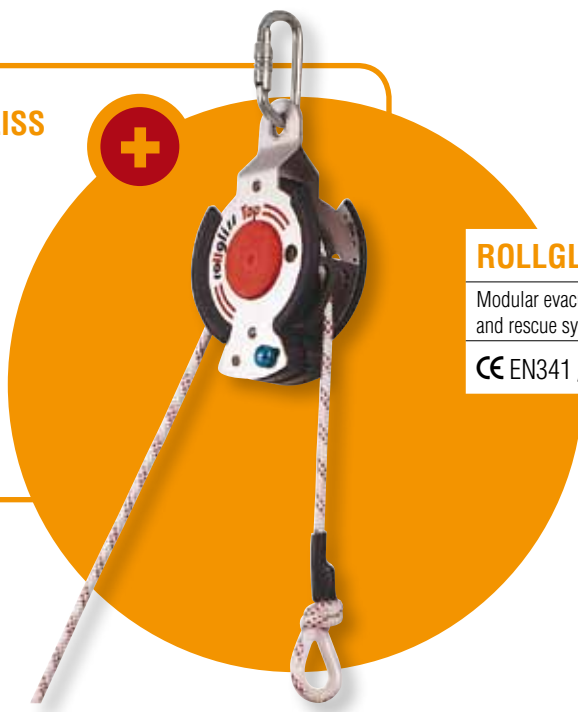
CE EN361 / EN358/EN813



## ROLLGLISS



The R350 ascension and rescue system is the global favourite. Multifunctional, easy to use, fast and safe to implement, the R350 is used by a large number of rescue services throughout the world. It allows people to effortlessly ascend (or descend), in complete safety. It can be configured in various versions, depending on the weight limit required thanks to its system of interchangeable rigged pulleys (2:1, 3:1, 5:1).



### ROLLGLISS R350

Modular evacuation and rescue system

CE EN341 / EN1496

## ATLAS sit harness



Belted sit harness specially designed for rope work. The unique geometry of its suspension point, together with its light-weight and resistant positioning belt, make the ATLAS sit harness a high-performing partner for suspended or positioning work.

Available in medium and large sizes

### AG550

1 central suspension point

Positioning belt equipped with 2 lateral buckles

The belt can be adjusted quickly and easily

The thigh straps are adjusted with a flat buckle

Accessory holders

Weight 1.190 kg

CE EN813 / EN358 / EN12277

## ATLAS chest harness



The ideal complement to the ATLAS sit harness, the chest harness allows a locking device to be correctly positioned for suspension or ascension work.

### AG552

Thoracic ring

Accessory holders

1 attachment point for a blocking device\*

Weight 0.55 kg

CE EN12277

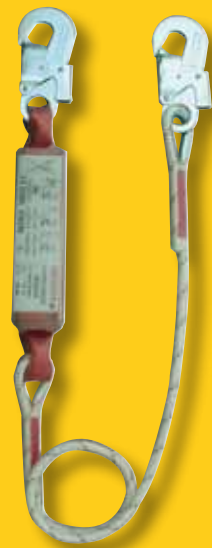
\*at no point may this anchorage be used as a fall arrest or suspension anchorage point.



No matter whether they are made of rope or of webbing, whether they are adjustable or not, and whether they include self-locking carabiners or those with large gate openings, Protecta fall arrest lanyards incorporate a shock absorbing strap to ensure optimum energy dissipation, in all circumstances.

## Fall arrest lanyards

### Scaffolding fall arrest lanyard



#### Sanchoc fall arrest lanyard

All Sanchoc fall arrest lanyards benefit from an exceptionally high-performance energy dissipating element that limits the force of impact to 6 kN in the event of a fall, meaning that the user does not suffer any injury. Protecta energy absorbers are also fitted with a safety strap.

N.B.:  
Check that the available clearance is compatible with the use of a fall arrest lanyard.

#### AE522/3

Rip stitch energy absorber with safety strap

Lanyard made from nylon kernmantel rope

Safety stitching under protective sleeve

Connector: 2 x AJ565, 17 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355



The use of a carabiner with a large gate opening, of the type used in scaffolding, is intended for a direct anchorage to the structure (pylon, scaffolding, tubular structure, etc...)

Various versions available (see table)

#### AE522/6

Rip stitch energy absorber with safety strap

Lanyard made from nylon kernmantel rope

Safety stitching under protective sleeve

Connector: 1 x AJ565, 17 mm opening  
1 x AJ595, 50 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

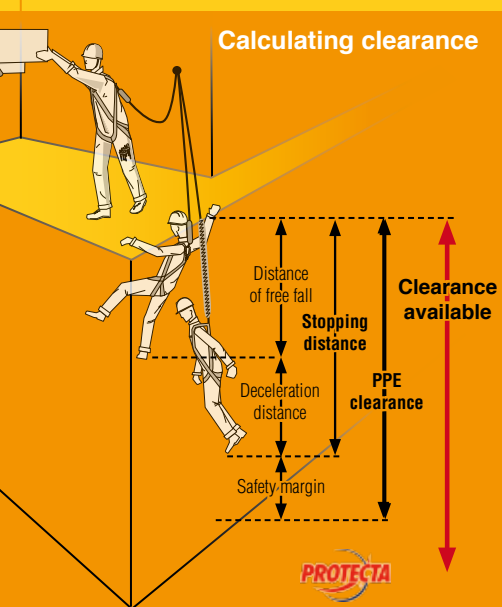
CE EN355



#### AE522/5

When the work being carried out at height requires frequent connection / deconnection, it is best to choose a fall arrest lanyard with self-locking snap hooks.

Various versions available (see table page 17)





## Adjustable fall arrest lanyard

Adjustable fall arrest lanyards allow the length of the lanyard to be adjusted in the range between 1.5 m and 2.0 m. This means that the height of a fall can be reduced by this amount, by keeping the lanyard constantly adjusted to its shortest position.

### AE525

Rip stitch energy absorber  
with safety strap

Lanyard made from nylon kernmantel rope

Safety stitching under protective sleeve

Connector: 2 x AJ501, 17 mm opening

Useful length: 1.50 m to 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355



## Fall arrest lanyard



Screw gate carabiners are still the safest choice of connectors, although they should only be used in tasks involving limited connection / deconnection (2 to 3 times a day). It is always better to attach the lanyard to specially adapted anchorage points.

Various versions available (see table)

### AE522

Rip stitch energy absorber  
with safety strap

Lanyard made from nylon kernmantel rope

Safety stitching under protective sleeve

Connector: 2 x AJ501, 17 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355

REFERENCE	LENGHT	ROPE	WEIGHT	CONNECTION A	CONNECTION B	ABSORBING	CLEARANCE AVAILABLE
AE522	2,00 m	Ø 10,5mm	0,740 kg			< 6 kN	6,75 m
AE522/1	1,50 m	Ø 10,5mm	0,700 kg			< 6 kN	5,75 m
AE522/3	2,00 m	Ø 10,5mm	0,820 kg			< 6 kN	6,75 m
AE522/13	1,50 m	Ø 10,5mm	0,780 kg			< 6 kN	5,75 m
AE522/5	2,00 m	Ø 10,5mm	1,130 kg			< 6 kN	6,75 m
AE522/15	1,50 m	Ø 10,5mm	1,090 kg			< 6 kN	5,75 m
AE522/6	2,00 m	Ø 10,5mm	1,130 kg			< 6 kN	6,75 m
AE525	1,5 m - 2,0 m	Ø 10,5mm	0,820 kg			< 6 kN	6,75 m
AE532/3	Y - 1,8 m	Ø 10,5mm	1,700 kg		2 x	< 6 kN	6,35 m
AE532/31	Y - 1,3 m	Ø 10,5mm	1,630 kg		2 x	< 6 kN	5,35 m

## 'Y' fall arrest lanyard

### AE532/3

Rip stitch energy absorber  
with safety strap

Y lanyard made from nylon kernmantel rope

Safety stitching underneath protective sleeve

Connector: 1 x AJ565, 17 mm opening  
2 x AJ595, 50 mm opening

Useful length: 1.80 m

System breaking strength >15 kN

Clearance available : 6.35m

CE EN355



'Y' fall arrest lanyards allow the user to move around a structure in complete safety. In fact, thanks to its double line, the user can progress without ever having to disconnect himself. Users should be trained in this technique so that they properly understand the safety rules that must be applied.

# PRO™ Stretch Energy Absorbing Lanyard

## Absorbing Lanyard technology keeps improving for your Comfort and Safety

Energy absorption over entire length means a better balanced lanyard, with no bulky energy absorber to weigh down the user. The Lanyard is also elasticated over its length to retain the maximum desired length, but doesn't trail on the ground or get in the way.

**New**

### AE5220SAK

Connectors 1 x AJ501 + 1 x AJ527

Useful length 2 m

System breaking strength >15 kN

Weight : 1.03 kg

Clearance available : 6.75 m

CE EN355



### AE5215SEF

Connectors 1 x AJ565 + 1 x AJ595

Useful length 1.50 m

System breaking strength >15 kN

Weight : 1.05 kg

Clearance available : 5.75 m

CE EN355



### AE5220SAA

Connectors 2 x AJ501

Useful length 2 m

System breaking strength >15 kN

Weight : 0.74 kg

Clearance available : 6.75 m

CE EN355



### AE5215SAE

Connectors 1 x AJ501 + 1 x AJ565

Useful length 1.5 m

System breaking strength >15 kN

Weight : 0.71 kg

Clearance available : 5.75 m

CE EN355



## PRO™ STRETCH ENERGY ABSORBING LANYARD MODELS

Part #	Length	Weight	Connector at user	Image	Connector at anchorage	Image	Clearance available
AE5215SAA	1.50 m	0.63 kg	AJ501		AJ501		5.75 m
AE5215SAE	1.50 m	0.71 kg	AJ501		AJ565		5.75 m
AE5215SAF	1.50 m	0.97 kg	AJ501		AJ595		5.75 m
AE5215SAK	1.50 m	0.91 kg	AJ501		AJ527		5.75 m
AE5215SEF	1.50 m	1.05 kg	AJ565		AJ595		5.75 m
AE52175SAF	1.75 m	1.03 kg	AJ501		AJ595		6.25 m
AE5220SAA	2.00 m	0.74 kg	AJ501		AJ501		6.75 m
AE5220SAE	2.00 m	0.82 kg	AJ501		AJ565		6.75 m
AE5220SAF	2.00 m	1.09 kg	AJ501		AJ595		6.75 m
AE5220SAK	2.00 m	1.03 kg	AJ501		AJ527		6.75 m
AE5220SEF	2.00 m	1.17 kg	AJ565		AJ595		6.75 m

# Webbing fall arrest lanyards

## Webbing fall arrest lanyard

Opting for a fall arrest lanyard in webbing rather than one made from rope is more a matter of personal preference than of technical choice. Protecta offers a wide range of Sanchoc lanyards, meaning that every user can find the lanyard that is best suited to his or her needs.

### AE529

Rip stitch energy absorber with safety strap

45 mm sewn polyamide webbing lanyard

Connector: 2 x AJ501, 17 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355



## Fall arrest kit for scaffolding work

### PRO harness

Built around a PRO 101 fall arrest harness and incorporating a 2m fall arrest lanyard fitted with a wide gate carabiner, of the type used in scaffolding with a 50 mm opening, this kit is perfectly suited to working on scaffolding, and to assembling or dismantling scaffolding itself.

### AB101/19

1 dorsal attachment D ring

Adjustable thigh and shoulder straps

Dorsal piece with shock absorbing effect

2m fall arrest lanyard with scaffolding connectors

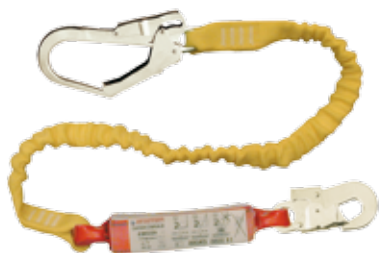
Weight: 2.2 kg

Clearance available : 6.75m

CE EN361 / EN355



## Fall arrest elastic lanyard



There are numerous advantages to an elastic fall arrest lanyard: the bulk is reduced, the risks of stumbling are eliminated, the usage life span is increased, etc. These advantages help to make the lanyard safer. Various versions available (see table)

### AE529E/5

Rip stitch energy absorber with safety strap

Elastic lanyard in 35 mm tubular webbing, extension coefficient: 45%

Connector: 1 x AJ565, 17 mm opening  
1 x AJ595, 50 mm opening

Useful length: 2.00 m - Length at rest: 1.55 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355

## Fall arrest webbing lanyard

Fall arrest lanyards in 25 mm webbing are extremely supple and pleasant to use. With a high resistance to abrasion and an incredible life span, they exist in various configurations to suit your needs.

### AE5220WAE

Rip stitch energy absorber with safety strap

25 mm polyester webbing lanyard

Connector: 1 x AJ501, 17 mm opening  
1 x AJ565, 17 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355

### AE5320WAF

Rip stitch energy absorber with safety strap

25 mm 'Y' polyester webbing lanyard

Connector: 1 x AJ501, 17 mm opening  
2 x AJ595, 50 mm opening

Useful length: 2.00 m

System breaking strength >15 kN

Clearance available : 6.75m

CE EN355

## 'Y' fall arrest webbing lanyard

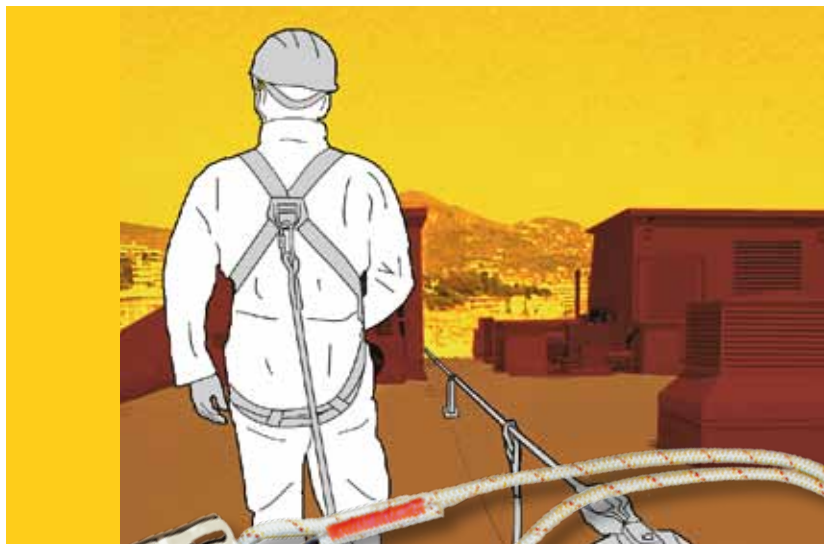


REFERENCE	LENGTH	OF STRAP	WEIGHT	CONNECTOR A	CONNECTION B	ABS*	CLEARANCE AVAILABLE
AE529	2.00 m	45 mm	0.770 kg			< 6 kN	6.75 m
AE529/1	1.50 m	45 mm	0.730 kg			< 6 kN	5.75 m
AE529/6	2.00 m	45 mm	1.750 kg			< 6 kN	6.75 m
AE5220WAA	2.00 m	25mm	0.760 kg			< 6 kN	6.75 m
AE5220WAE	2.00 m	25mm	0.810 kg			< 6 kN	6.75 m
AE5315WAA	1.50 m	25mm	0.980 kg		2 x	< 6 kN	5.75 m
AE5320WAA	2.00 m	25mm	0.980 kg		2 x	< 6 kN	6.75 m
AE5315WAE	1.50 m	25mm	1.800 kg		2 x	< 6 kN	5.75 m
AE5320WAE	2.00 m	25mm	1.170 kg		2 x	< 6 kN	6.75 m
AE5315WAF	1.50 m	25mm	1.700 kg		2 x	< 6 kN	5.75 m
AE5320WAF	2.00 m	25mm	1.800 kg		2 x	< 6 kN	6.75 m
AE529E	1.85 m	35 mm	0.840 kg			< 6 kN	6.45 m
AE529E/3	1.85 m	35 mm	0.880 kg			< 6 kN	6.45 m
AE529E/5	2.00 m	35 mm	1.160 kg			< 6 kN	6.75 m





# Connecting lanyards



They aim to limit use to within a certain movement radius, in order to avoid a possible fall.



'Y' connecting lanyard

## AL432/1

'Y' connecting lanyard made from nylon kernmantel rope

Safety stitching underneath protective sleeve

Connector: 1 x AJ501, 17 mm opening  
2 x AJ595, 50 mm opening

Useful length: 1.30 m

System breaking strength >22 kN

CE EN354

Connecting lanyard with thimble ends



Protecta rope connecting lanyards are an ideal solution for the connecting element in a restraint system. Although they can be used with a positioning belt, a fall arrest harness is generally preferred, as it is more comfortable and versatile.

Various versions available (see table)

REFERENCE	LENGTH	LANYARD	WEIGHT	CONNECTION A	CONNECTION B
AL410B	1.00 m	Kernmantel rope Ø 10.5 mm	0.110 kg		
AL415B	1.50 m	Kernmantel rope Ø 10.5 mm	0.150 kg		
AL420B	2.00 m	Kernmantel rope Ø 10.5 mm	0.180 kg		
AL410C	1.00 m	Kernmantel rope Ø 10.5 mm	0.160 kg		
AL415C	1.50 m	Kernmantel rope Ø 10.5 mm	0.190 kg		
AL420C	2.00 m	Kernmantel rope Ø 10.5 mm	0.220 kg		
AL420C1	2.00 m	Kernmantel rope Ø 10.5 mm	0.630 kg		
AL420C2	2.00 m	Kernmantel rope Ø 10.5 mm	0.990 kg		
AL432	1.00 m	Kernmantel rope Ø 10.5 mm	0.250 kg		
AL432/1	1.30 m	Kernmantel rope Ø 10.5 mm	1.390 kg		2 x
AL4215WAA	1.50 m	25 mm nylon strap	0.430 kg		
AL4220WAA	2.00 m	25 mm nylon strap	0.450 kg		
AL4215WAE	1.50 m	25 mm nylon strap	0.480 kg		
AL4220WAE	2.00 m	25 mm nylon strap	0.530 kg		
AL4215WAF	1.50 m	25 mm nylon strap	0.770 kg		
AL4220WAF	2.00 m	25 mm nylon strap	0.850 kg		

## AL415C

Connecting lanyard made from nylon kernmantel rope

Safety stitching underneath protective sleeve

Thimble eyes

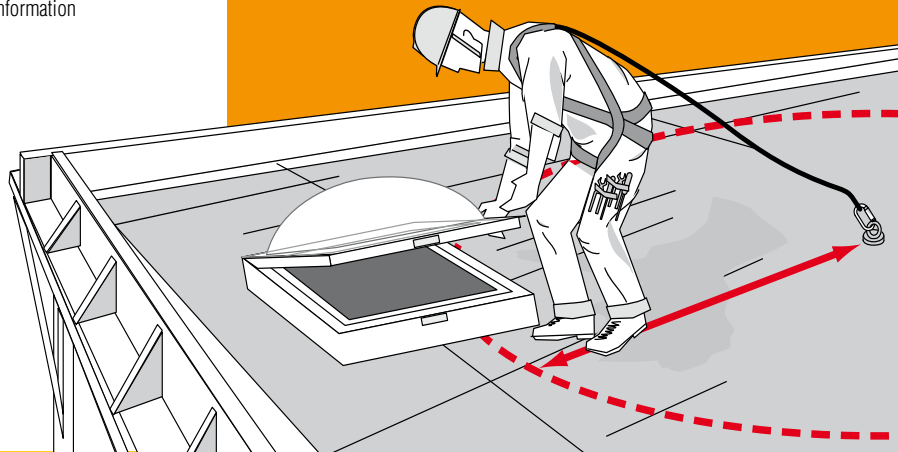
Useful length: 1.50 m

System breaking strength >22 kN

CE EN354

A connecting lanyard should only be used for restraining purposes. In no case should the user be able to manoeuvre in a area where there is a risk of falling. The restraint system is precisely defined for each place where it will be used. In order to guarantee the safety of the user, he or she should be given precise information detailing the PPE and the anchorage point to be used.

The use of a restraint system may be preferred to that of a fall arrest system as a method of risk prevention during repeated interventions in a defined space (eg. work on flat roofs). Before using a restraint system, suitable anchorage points must be put in place (fixed anchorage points or a permanent life line).



### Rope connecting lanyard



#### AL420C2

Connecting lanyard made from nylon kernmantel rope

Safety stitching underneath protective sleeve

Connector: 1 x AJ595, 50 mm opening  
1 x AJ565, 17 mm opening

Useful length: 2.00 m

System breaking strength >22 kN

CE EN354

### Webbing connecting lanyard



#### AL4220WAE

Nylon webbing connecting lanyard 25mm

Safety stitching

Connector: 1 x AJ501, 17 mm opening  
1 x AJ565, 17 mm opening

Useful length: 2.00 m

System breaking strength >22 kN

CE EN354



#### AL4220WEF

25 mm nylon webbing connecting lanyard

Safety stitching

Connector: 1 x AJ565, 17 mm opening  
1 x AJ595, 50 mm opening

Useful length: 2.00 m

System breaking strength >22 kN

CE EN354

Protecta connecting lanyards in webbing are extremely supple and pleasant to use. With a high resistance to abrasion and a long life span, they exist in various configurations to suit your needs.



The PRO range of work positioning systems allow the user to work in complete safety and the very greatest comfort, while keeping both hands free. PRO positioning lanyards and belts are compatible with all the other Protecta products.

## Positioning lanyards and belts



**TRIGGER** positioning lanyard

The adjustment system developed for the Trigger means that the length of the lanyard can be adjusted with a unique level of control and comfort. By simply pressing the control 'trigger', the lanyard extension can be precisely adjusted. Reducing the length of the lanyard is just as easy, as you simply have to pull on the rope. Various versions available (see table)

### AF777

Positioning lanyard in nylon kernmantel rope, with a yellow and red wear indicator

Trigger aluminium lanyard shortener

Safety stitching underneath protective sleeve

Connector: 1 x AJ501, 17 mm opening  
1 x AJ565, 17 mm opening

Useful length: 2.0 m

System breaking strength >15 kN

CE EN358

### Manustop positioning lanyard



Manustop double cam positioning lanyard. The length can be adjusted by applying pressure to the body of the device. This unlocks the cams and allows you to freely position the Manustop on the lanyard.

Available in steel core rope, resistant to cutting, ideal for work lopping trees.

### AF764T2

Positioning lanyard in nylon kernmantel rope, with a black wear indicator

Double cam lanyard tensioning device

Safety stitching underneath protective sleeve

Connector: Double safety latch  
1 x AJ565, 17 mm opening

Useful length: 2.0 m

System breaking strength >15 kN

CE EN358



## PRO positioning belt

A comfortable and light work positioning belt which is equipped with many gear loops and accessories holders, very practical for safely transporting your materials. Its very large cushioned back pad, allows you to work for a prolonged period of time in one position, without tiring. The AB028135 can be used with any positioning lanyard in the PRO range.

Available in small, medium and large sizes



**PROTECTA**

### AB028135\*

2 ergonomic lateral positioning  
D rings on the belt

Belt with cushioned back pad

4 rings to carry accessories

Weight: 0.700 kg

CE EN358 \* Ref. : Size M

## Webbing positioning lanyard



This work positioning lanyard, made of webbing, is particularly well suited to work on posts (wood or concrete) that require good positioning.

### AF725

45 mm work positioning lanyard in 45 mm nylon webbing

Connector: 2 x AJ565, 17 mm opening

Useful length: 2.50 m

System breaking strength >15 kN

CE EN358

## Adjustable lanyard



### AL423/5

Adjustable lanyard made from nylon kernmantel rope

Safety stitching underneath protective sleeve

Connector: 2 x AJ565, 17 mm opening

Useful length: 1.20 to 2.00 m

System breaking strength >15 kN

CE EN358



### AL422

Adjustable rope lanyard without connector

Useful length: 1.10 to 2.00 m

CE EN358

### AK099

Universal protective sleeve for positioning lanyard

Can be adapted for every type of lanyard

Interchangeable, velcro fastening

Weight: 136 g

Ultra-resistant PVC sleeve

Length: 1.00 m

REFERENCE	LENGTH	LANYARD	WEIGHT	CONNECTION A	CONNECTION B
AF777	0.4 m to 2.0 m	Kernmantel rope Ø 10.5 mm	0.845 kg		
AF777/1	0.4 m to 3.0 m	Kernmantel rope Ø 10.5 mm	0.915 kg		
AF764T2	0.4 m to 2.0 m	Kernmantel rope Ø 12.5 mm	1.000 kg		
AF795T2	0.4 m to 2.0 m	Kernmantel rope Ø 12.5 mm	1.320 kg		
AF763	0.35 m to 2.5 m	Kernmantel rope with metal core, Ø 12.5 mm	1.540 kg		
AF763/2	0.35 m to 4.0 m		1.950 kg		
AL422	1.10 m to 2.0 m	Kernmantel rope Ø 10.5 mm	0.280 kg		
AL423/5	1.20 m to 2.0 m	Kernmantel rope Ø 12.5 mm	0.780 kg		
AF725	0.8 m to 2.5 m	45 mm nylon webbing	0.790 kg		

# Self retracting fall arrest devices

## New Rebel™ range

New



20m, 25m, 30m

### Protecta® continues to set the standard for performance and value.

The Rebel™ SRL line is built to last providing an economical fall protection solution without compromising performance or safety!

### Durable

- Built to last
- Heavy-duty housing types
  - Aluminium
  - Thermoplastic
- Stackable

### Markets Served

- Commercial Construction
- Residential Construction
- Industry & Manufacturing
- Roofing
- Steel erection

And more !

### Reliable

- 140 kg capacity
- Side cable exit
- Double swivel
- Fall indicator hook

### Easy to maintain

- The design of the SRL is made up of 30% parts less than usual SRL
- Several parts are common to different model sizes
- It makes the maintenance to be quicker and easier when the block needs to be maintained

### Easy to inspect

- Internal design and fall indicator hook allow a competent person to visually perform the yearly inspection
- No need to send the SRL back to authorized service centers for yearly inspection

### Sharp edge compliant

- Meets the last updated CE sharp edge certification for horizontal use



6m, 10m



15m

# EXPLORE THE SYSTEM

## 140 kg Capacity

High capacity for operator and tools

## Top Swivel

Limits lifeline twisting

## Stackable

Housing design allows for stacking on work surfaces

## Thermoplastic Housing

Lightweight, compact and durable

or

## Aluminium Housing

Provides exceptional strength and durability

## Ergonomic Carrying Handle

Built-in design makes transport, set-up and storage easy

## Side Cable Exit

Enables smooth operation and reduces cable wear

## Ergonomic Cable Handle

Provides added comfort and ease-of-use when making connections

## Use of additional sling extension

Ref : 3500050 allows all Rebel to be used on horizontal and to meet CE sharp edge certification

## Galvanized and SS Cable

Stainless steel option for added corrosion resistance

## Swivel Hook

Limits lifeline twisting

## Impact Indicator

Provides visual indication of Fall Arrest

## Self Locking Snap Hook

Automatically closes and locks for added safety

Complies with CE EN360-2002 standard

## 1,633 kg Gate Capacity

Reduces chance of accidental disengagement ("roll-out")

## Selection Table

Reference	Length	Depth	Width	Height	Weight	Housing type	Cable material
3590520	6m	12cm	25cm	57cm	5,3kg	Plastic	Galvanised
3590530	6m	12cm	25cm	57cm	6,7kg	Aluminium	Galvanised
3590521	10m	12cm	25cm	57cm	5,6kg	Plastic	Galvanised
3590531	10m	12cm	25cm	57cm	7,0kg	Aluminium	Galvanised
3590522	10m	12cm	25cm	57cm	5,6kg	Plastic	Stainless Steel
3590532	10m	12cm	25cm	57cm	7,0kg	Aluminium	Stainless Steel
3590570	15m	12cm	28cm	61cm	7,5kg	Plastic	Galvanised
3590580	15m	12cm	28cm	61cm	9,1kg	Aluminium	Galvanised
3590571	15m	12cm	28cm	61cm	7,5kg	Plastic	Stainless Steel
3590581	15m	12cm	28cm	61cm	9,1kg	Aluminium	Stainless Steel
3590610	20m	14cm	33cm	65cm	10,0kg	Plastic	Galvanised
3590620	20m	14cm	33cm	65cm	12,4kg	Aluminium	Galvanised
3590611	20m	14cm	33cm	65cm	10,0kg	Plastic	Stainless Steel
3590621	20m	14cm	33cm	65cm	12,4kg	Aluminium	Stainless Steel
3590650	25m	14cm	33cm	65cm	13,0kg	Plastic	Galvanised
3590660	25m	14cm	33cm	65cm	15,4kg	Aluminium	Galvanised
3590651	25m	14cm	33cm	65cm	13,0kg	Plastic	Stainless Steel
3590661	25m	14cm	33cm	65cm	15,4kg	Aluminium	Stainless Steel
3590690	30m	14cm	33cm	65cm	13,4kg	Plastic	Galvanised
3590700	30m	14cm	33cm	65cm	15,8kg	Aluminium	Galvanised
3590691	30m	14cm	33cm	65cm	13,4kg	Plastic	Stainless Steel
3590701	30m	14cm	33cm	65cm	15,8kg	Aluminium	Stainless Steel



# Self retracting fall arresters



## Rebel 6m fall arrest device

New

### Rebel™ 6 m fall arrest device

The Protecta® Rebel™ (Ref. 3101041) 6m Web SRL extends and retracts automatically, providing the user with increased mobility within a recommended working area. This product is engineered for reliable and customer friendly protection, locks when it should and won't lock when it shouldn't.

#### Application

The 6m Web SRL is suitable whenever a very light SRL with thermoplastic housing is required: Utilities, tile roof work, tower work, scaffolding / steel work, outdoor advertisement, maintenance, industry, aeronautic...

#### Easy to carry

The 6m Web SRL is an extremely lightweight device: 1,6kg for a lifeline length of 6m. This reduced weight is a major advantage for users that often are required to transport the SRL (in addition with other equipment) between work locations. As standard, there is also a top swivel designed to keep the webbing from twisting during work activity.

#### Protection of the fragile anchorage surfaces and structures

The risk of damage to sensitive structures such as painted surfaces, tiled roofs, aeronautic wings and wind mills is greatly reduced due to the units thermoplastic housing design.

### 3101041

Self retracting fall arrest device, in Dyneema 20 mm webbing

Rip stitch energy absorber, fall indicator, impact reduction < 6kN

Thermoplastic Housing

Connector : aluminium, opening 20 mm

Useful length : 6.0 m

System breaking strength >15 kN

Weight : 1.6 kg

CE EN360 - 2002

### Rebel 3 m fall arrest device

Ultra-compact, extremely light and daringly designed, Rebel performs exceptionally well. In particular, its 3 metres of line allow the user to work within a much larger radius than with a traditional line.



### AD111

Self retracting fall arrest device, in 25 mm nylon webbing

Rip stitch energy absorber, fall indicator, impact reduction < 6kN

Aluminium and stainless steel casing

Connector: AJ565, 18 mm opening

Useful length: 3.0 m

System breaking strength >15 kN

CE EN360



### AD111/1

AD111 self retracting fall arrest device with swivel snap hook

CE EN360

## Pocketbloc

This self retracting fall arrest device boasts some amazing features. First among these is its size - it can be held in one hand, thanks to its integrated energy absorption system. Furthermore, it only weighs 650 g (excluding snap hook), making this block the lightest in its class. A truly portable fall arrest device, it is designed so that you can take it with you anywhere. It can be connected directly to a harness, and is fitted with a swivel snap hook to avoid problems with twisted line, making it very easy and practical to use. Specially made for industry and construction professionals (maintenance work, interventions on scaffolding, pylons, in lifts...).

### AD101

Self retracting fall arrest device, with 15 mm kevlar line

Rip stitch energy absorber, fall indicator, impact reduction < 6kN

Polyamide shock-resistant housing

Connector: AJ565, 18 mm opening

Useful length: 1.65 m

System breaking strength >15 kN

CE EN360



Available in various versions:

AD101/1 without carabiner  
AD101/2 with an AJ527 carabiner  
AD101/3 with an AJ501 carabiner

## Rebel 4.5 m fall arrest device



If you are looking for a product that combines ease of handling with performance, you will be attracted by its reduced size and 'feather light' weight. Weighing only 2.9kg, the compact design incorporates a smooth housing with rounded corners for added comfort and ease-of-use. Contains 4.5m of galvanized cable 5mm. Kevlar®/Nomex® covered external shock pack reduces the forces imposed on the user and also acts as an impact indicator for visual inspection.

### AD115

Self retracting lifeline - 4.5m, with 5mm galvanized cable

Anodized aluminium housing

Snap hook : Zinc plated alloy steel, 22.2 kN minimum tensile strength with 16 kN rated gate. Swivel connector, 19 mm opening.

Useful length: 4.5 m

Maximal arresting force: 6 kN

System breaking strength >12 kN

CE EN360



## Autobloc 2.1 m fall arrest device

Compact, robust, economical and with a useful length of 2.1 m, the Autobloc is a real alternative to a fall arrest lanyard. Its retractable line reduces the stopping distance and avoids the dangers of stumbling.

### AD104

Self retracting fall arrest device, with 48 mm line

Rip stitch energy absorber, fall indicator, impact reduction < 6kN

Polyamide shock-resistant housing

Connector: AJ565, 18 mm opening

Useful length: 2.10 m

System breaking strength >15 kN

CE EN360

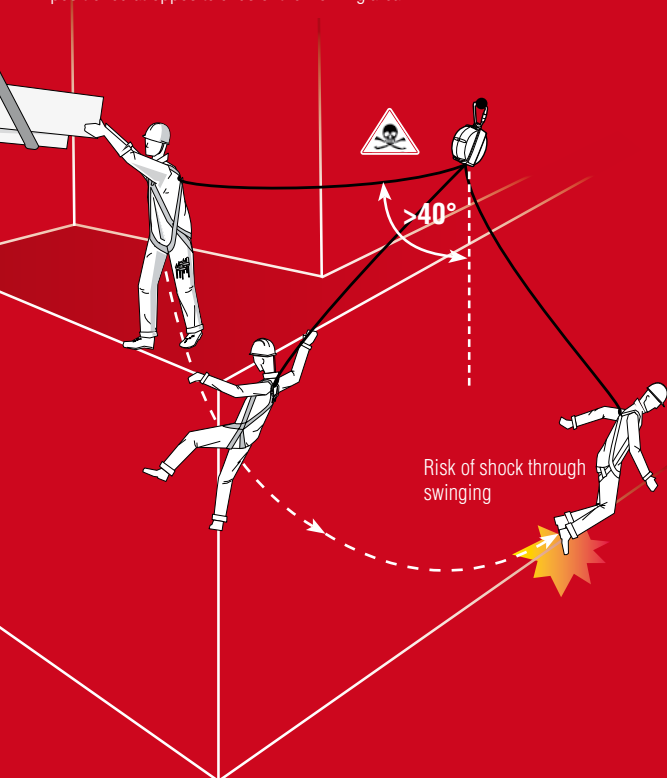
REFERENCE	LENGTH	WEIGHT	MATERIALS			SWIVEL	FALL INDICATOR	DIMENSIONS IN MM
			LINE PA	KEVLAR	CABLE			
AD101	1.65 m	0.85 kg		✓		✓	✓	90 x 140 x 76
AD101/1	1.55 m	0.65 kg		✓		✓	✓	90 x 140 x 76
AD101/2	1.80 m	1.00 kg		✓		✓	✓	90 x 140 x 76
AD101/3	1.65 m	0.80 kg		✓		✓	✓	90 x 140 x 76
AD104	2.1 m	1.50 kg	✓				✓	104 x 103 x 85
AD111	3.0 m	1.57 kg	✓			✓	✓	100 x 100 x 50
AD111/1	3.0 m	1.60 kg	✓			✓	✓	100 x 100 x 50
AD111/2	3.1 m	1.70 kg	✓			✓	✓	100 x 100 x 50
AD115	4.5 m	2.90 kg			✓	✓	✓	136 x 136 x 52
3101041	6.0 m	1.60 kg	✓			✓	✓	175 x 150 x 60
AD120/1	6.0 m	2.60 kg	✓			✓	✓	136 x 136 x 52



## Self retracting fall arresters

### Risks of the pendulum effect

In order to limit the risks of an accident caused by the pendulum effect (or sideways swing), the self retracting fall arrest device should be positioned vertically above the area where work is to be carried out. It is important to work within a 40° safety sector above the anchorage point of the fall arrest device. If the area where the work is to be carried out extends beyond the safety sector, a second fall arrest device should be used, and the two fall arresters should be positioned at opposite ends of the working area.



### Fall arrest JRG - 40 to 60 m

Protecta's range of self retracting fall arresters also comprises a series of long appliances, in lengths between 40 and 60 m. These appliances are designed to be used during construction at great heights, or for work on oil platforms, since only high capacity fall arrest devices still offer the possibility of working in complete safety in these situations. The metal housings of the appliances ensure that they have an extremely long life span and high resistance.

Versions equipped with stainless steel cables are also available.



#### AD340

Self retracting fall arrest device, with Ø4 mm cable

Internal shock absorbing element, integrated braking system, impact reduction < 6kN

Galvanised steel housing, polyurethane (PU) paint

Connector: AJ565, 18 mm opening

Useful length: 40 m

System breaking strength > 12 kN

CE EN360



## Tripod for working and rescue

With tasks in a confined space, a reliable anchorage point must be used to allow work to be carried out effectively and in complete safety. The AM100 tripod, made entirely of aluminium, can be very easily transported and deployed. Its four independent anchorage points mean that a rig (e.g. for suspended work) can be used in combination with a self retracting fall arrest device that incorporates a retrieval system, as fall arrest and rescue equipment.

### AM100

4 anchorage points

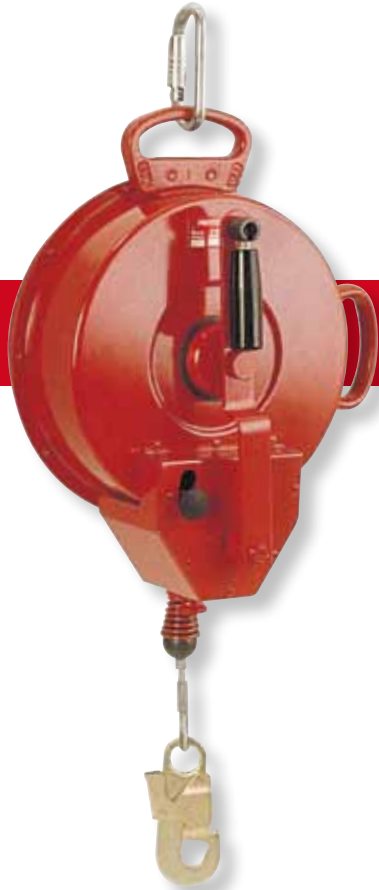
Aluminium head and feet

Maximum load: 500 kg

Usage height: 1.35 m to 2.35 m

Weight: 19 kg

CE EN795 B



## JRG fall arrest device with retrieval system

Certain applications, such as operations within a confined space, require the use of a retrieval system as well as the fall arrest function. These fall arresters have an integrated winch which, in an emergency, can be used to raise a colleague who has had an accident or become ill. Integrating this type of system into the fall arrest device allows fast and efficient rescue operations to be carried out.

(An adaptor (AT0525 for AD525 and AT0515 for AD515 ) allows these fall arresters to be directly mounted on the foot of the AM100 tripod, thereby making the system yet more efficient).



### AD515

Self retracting fall arrest device, with Ø 5mm cable and integrated retrieval winch

Internal shock absorbing element, integrated braking system, impact reduction < 6kN

Aluminium housing with polyurethane (PU) paint

Automatic swivel hook with fall indicator opening 17mm

Adaptor for AM100 tripod: ref. AT0515

Useful length: 15 m

System breaking strength > 12 kN

CE EN360 - EN1496B

### AD525

Self retracting fall arrest device, with Ø 5mm cable and integrated retrieval tripod.

Internal shock absorbing element, integrated braking system, impact reduction < 6kN

Integrated retrieval system

Galvanised steel housing, polyurethane (PU) paint

Connector: AJ565, 18 mm opening

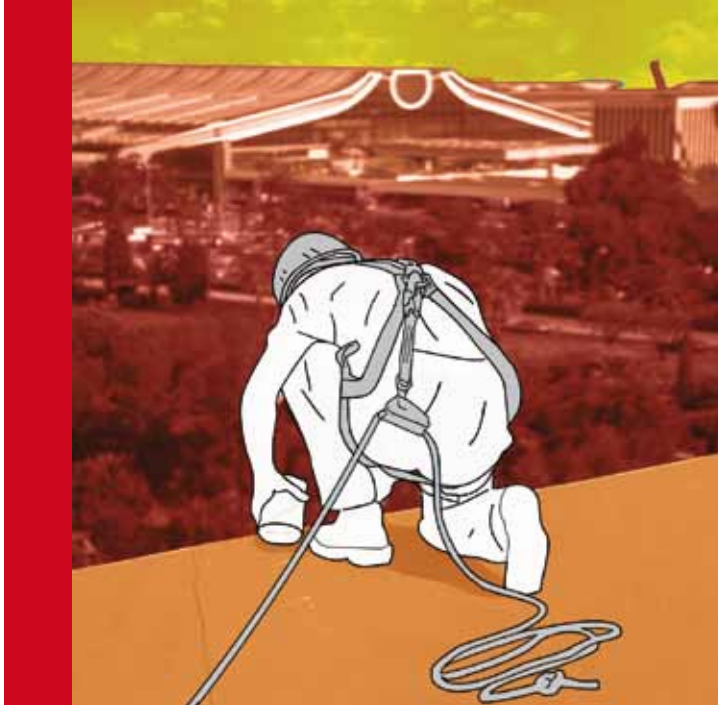
Adaptor for AM100 tripod: ref. AT0525

Useful length: 25 m

System breaking strength > 12 kN

CE EN360

REFERENCE	LENGTH	WEIGHT	MATERIALS		RETRIEVAL	DIMENSIONS IN MM
			CABLE GALVA- NISED	STAINLESS STEEL		
<b>AD334/5I</b>	34 m	17.10 kg		✓		290 x 410 x 145
<b>AD340</b>	40 m	17.64 kg	✓			290 x 410 x 145
<b>AD350</b>	50 m	24.37 kg	✓			332 x 500 x 145
<b>AD352/5I</b>	52 m	25.00 kg		✓		332 x 500 x 180
<b>AD360</b>	60 m	37.00 kg	✓			332 x 500 x 180
<b>AD515</b>	15 m	9.80 kg	✓		ascent/descent	220 x 330 x 200
<b>AD525</b>	25 m	17.20 kg	✓		ascent	335 x 390 x 180
<b>AD525I</b>	25 m	17.32 kg		✓	ascent	335 x 390 x 180



Protecta has pre-assembled a range of fall arrest kits so that you can quickly find a complete, ready-to-use set of equipment.

We've redesigned our line of Protecta Fall Arrest Kits to meet your comfort, quality and choice needs.



## Fall arrest kits

### Industrial maintenance kit



Ideal for isolated and localised operations, the maintenance kit comprises a sewn loop (as a multifunctional anchorage point), an Autobloc (with 2.1 m of line) to guarantee rapid and gentle fall arrest, and a light weight and comfortable PRO 100 harness.

### Construction kit

This kit is perfectly suited for maintenance, interventions on framework, or for use during roofing work. With its AB113 harness, complete with two anchorage points, one sternal and one dorsal, the AA095 kit can be used on flat or inclined roofs.

All of the PPE included in this kit complies with European standards.

#### AA095

PRO 113 - 2 point fall prevention harness (AB11313)

Viper2 (AC400), a mobile fall arrest device on a rope with 10 m of 10.5 mm (AC410) rope and one screw gate carabiners, with a 17 mm opening (AJ501)

Cotton storage bag (AK053)

CE EN361 - EN353/2 - EN362

#### AA420

PRO 100 - 1 point fall arrest harness (AB10033)

Self retracting Autobloc fall arrest device, with 2.1 m line (AD104) + AJ565 + AJ501

Sewn loop, 80 cm (AM450/80)

Cotton storage bag (AK053)

CE EN361 - EN360 - EN795B - EN362



## FIRST kit



A simple and cost-effective solution when occasional protection against falls from a height is required. The First AA1000 fall arrest kit comes in a storage bag, which is ideal for keeping your equipment in good condition.

### AA1000

First 2 points fall arrest harness - AB1300

A mobile fall arrest device on a rope, First has 10 m of 12 mm rope - AC2010

Sewn loop, 80 cm - AM450/80

2 screw gate carabiners, 17mm opening AJ501

CE EN361 - EN353/2 - EN362 - EN795B



# Fall arrest kits

## Waterproof kit



This kit brings together two of the best selling pieces of equipment from the PRO range: the PRO 113 harness and the Rebel 10m self retracting fall arrest device. This simple grouping means that the kit can guarantee optimally efficient protection against falls from a height, whilst giving the user a high level of working freedom.

### AA113212

PRO 113 - 2 point fall arrest harness (AB11313)

Rebel cable self retracting fall arrest device, 10 m line (3590521) + 2 karabiners AJ565 + AJ501

Extension web for horizontal use (3500050)

Storage bag (AK053)

CE EN361 - EN360 - EN362

## Metal construction kit



The AA410 fall arrest kit is more particularly designed for protection against falls from a height during steel construction work. The AM450/80 sewn loop is multifunctional and allows an anchorage to be made on any type of structure. The AE522 fall arrest lanyard will protect the user, even from a factor 2 fall. N.B: It is important to check that there is sufficient clearance.

### AA410

PRO 100 - 1 point fall arrest harness (AB10033)

Rip-stitch energy absorber, 2 m in length (AE522) and 2 screw gate carabiners with 17 mm opening (AJ501)

Sewn loop, 80 cm - AM450/80

Storage bag (AK053)

CE EN361 - EN355 - EN795 - EN362

## FLEXA 11 kit



General-purpose kit for every working type in height

### AA011/1P

FLEXA, 1 point fall arrest harness (AB101E)

PRO™ Stretch energy absorbing lanyard (AE5220SAF), length 2m, 2 karabiners AJ501 + AJ595

Storage bag (AK053)

CE EN361 - EN355 - EN362



# Fall arrest systems



Offering solutions sure and simple is the desire of our designers. With lifeline kits, Protecta brings together all the elements necessary for the installation of a lifeline, horizontal or vertical, ready to install.



## Cabloc fall arrest device on cable

The Cabloc fall arrest device is a system that is permanently installed, designed to secure access to the work station (eg. tops of pylons, masts, chimneys, etc.). The glider secures the user against falls during ascent and/or descent, sliding freely on the cable that is fixed along the length of the ladder.

Cabloc is available in a kit that is ready for installation, or tailored to your wishes. Please contact our technical services department for more information.

### AC350

Fall arrest glider for steel cable  $\varnothing$  8 mm

Double blocking cam

Easy installation

Locking by means of specific carabiners

Weight: 0.700 kg

CE EN353-1 - EN353-2

### AC350/4

Available also in version with energy absorber

### AC340

Universal bracket in stainless steel

Can be installed on a wide range of profiles

Weight: 2.500 kg

EN795 class A



## Cabloc kit for vertical life line



With its Cabloc kit, Protecta has brought together all the elements needed to install a safety system, allowing access to a raised work station, on a ladder or a metal structure. The user will receive step by step guidance, thanks to usage instructions that explain in detail all the stages of system installation and the precautions that must be taken.

### AC3000 / 10, 20 and 30 m

Stainless steel cable,  $\varnothing$  8 mm with manufactured end

Cabloc AC530 fall arrest device

2 universal brackets (high and low), AC340

AC325 shock absorber

AC330 cable tensioner with pre-tension indicator

AN126 indicator kit

AC320 universal cable guide

System breaking strength > 15 kN

CE EN353-1



## 1200106

Temporary lifeline webbing  
 Tensioning system  
 Built in shock absorber  
 Useful length: 10 m  
 Available in 20m version: Ref : 1200107  
 System breaking strength > 22 kN  
 EN795 class C

New

## PRO-Line™ Temporary horizontal lifeline



### Stresses on a life line

The stresses placed on a line in the event of a fall can be 2 to 6 times greater than the weight of the falling person.

Any line configuration should therefore be studied, with a view to confirming that the stresses placed on the life line in the event of a fall are acceptable for the load bearing structure. A safety factor of 2 should always be retained.

Deflection: is the cable deflection in the event of a fall. In the event that a person falls, the cable will be deformed and lengthened. For each use, this maximum deflection should be determined, depending on the configuration and the number of persons expected to be using the device.

This deflection must be added to the stopping distance for the fall. The total distance should be less than the available clearance on the site, in order to avoid any collision with a possible obstacle (balcony, ground, beam...)



## Temporary rope lifeline



## AN410

Temporary lifeline in stranded rope  $\varnothing$  14 mm  
 Tensioning system with integrated blocking cam  
 Connector: 2 x AJ565, 17 mm opening  
 Useful length: 10 m  
 Available in 20m version: AN420  
 System breaking strength > 22 kN  
 EN795 class C

## Stud



\* Not available in UK

## AM250/500

Standard stud in stainless steel, section 100 x 100 x 5 mm  
 Fixed with M12 screw  
 Height: 500 mm - plate: 335 x 200 mm  
 Available in a 400mm height - AM250/400 I  
 Resistance: AM250/400I : 15 kN - AM250/500: 37 kN  
 Tightness seal, ref. AM251 - AM 250/1 back plate

## First kit for horizontal LIFE LINE wall-mounted installation



## First kit for horizontal LIFE LINE stud installation



\* Not available in UK



\* Not available in UK

This First life line kit brings together all the elements that are needed to install a close life line on a concrete structure. Each installation should be preceded by a study of the structure's resistance, and by a check on the clearance available.

Kit\* available in many lengths:

- 10 m: AN5000/10
- 20 m: AN5000/20
- 30 m: AN5000/30

\*This kit includes intermediate brackets AN5005 (1 for the 20 m length, 2 for the 30 m length)

## AN5000

Stainless steel cable,  $\varnothing$  8 mm, with sleeved and thimble ends  
 2 wall-mounted end plates AN5019  
 AC325 shock absorber  
 Cable tensioner case/ case AN5007/1  
 AN126/0 indicator plate  
 Intermediate brackets every 15 m maxi - AN5005  
 System breaking strength > 37 kN  
 EN795 class C

This First life line kit brings together all the elements that are needed to install a close life line with stud anchorage. Each installation should be preceded by a study of the structure's resistance, and by a check on the clearance available.

The studs are not included in the kit.

The kit\* is available in many lengths:

- 10 m: AN5001/10
- 20 m: AN5001/20
- 30 m: AN5001/30

\*This kit includes intermediate brackets AN5005 (1 for the 20 m length, 2 for the 30 m length)

## AN5001

Stainless steel cable,  $\varnothing$  8 mm, with sleeved and thimble ends  
 2 wall-mounted end plates for stud anchorage AN5018  
 AC325 shock absorber  
 Cable tensioner case/ case AN5007/1  
 AN126/0 indicator plate  
 AN51xx 10 m cable kit  
 Intermediate brackets every 15 m maxi - AN5005  
 System breaking strength > 37 kN  
 EN795 class C



Automatic rope-grab fall arresters, with blocking function, Protecta gliders accompany the user during ascent and descent, and require no intervention on the part of the user. They instantly lock onto the rope at the slightest sign of a fall. The anchor lines are available in various lengths, and in both stranded and kernmantel rope.

## □ □ ■ Rope-grab fall arresters

### COBRA rope-grab fall arrester

#### COBRA rope-grab fall arrester

A mobile fall arrest device on stranded rope -with  $\varnothing$  of 14 to 16 mm, the Cobra is extremely robust. Its articulated cam guarantees optimum slide on the rope, and blocks immediately in the event of a fall. Its simple and practical opening system means that it can be mounted on the rope or removed from it in any location, all you have to do is close the Cobra and it locks automatically. A lever allows you to position the Cobra on the rope by hand, which then makes it a fantastic tool for positioning or restraint.

#### AC202/03

Mobile fall arrest device on stranded rope, with  $\varnothing$  of 14 to 16 mm

Automatic or manual blocking function

28 cm extension strap with self locking carabiner

Body in bichromate steel

Automatic locking upon closure

AJ565 carabiner, 18 mm opening

System breaking strength: > 15 kN

Weight: 1.110 kg

CE EN353-2

#### AC210 / 220 / 230

14 mm stranded rope for Cobra fall arrester available in various lengths:  
10m - AC210 • 20m - AC220 • 30m - AC230

CE EN353-2



#### AC202/01

Mobile fall arrest device on stranded rope, with  $\varnothing$  of 14 to 16 mm

Automatic or manual blocking function

Body in bichromate steel

Automatic locking upon closure

Screw gate carabiner, 17 mm opening

System breaking strength > 15 kN

Weight: 1.270 kg

CE EN353-2





## First rope-grab fall ARRESTER

Ultra-compact rope-grab fall arrester, completely automatic, comes mounted on its rope (available in 3 lengths: 10, 20 and 30 m).

### AC2010

First rope-grab fall arrester for stranded rope with Ø 12 mm

Body and cam in galvanised steel

Nylon stranded rope, length 10 m

Weight: 1.200 kg

CE EN353-2



Mobile fall arrester complete with its rope, available in various lengths:

- 10m - AC2010
- 20m - AC2020
- 30m - AC2030

## Viper2 rope-grab fall arrester

The ultra-compact Viper2 is an automatic rope-grab fall arrester for kernmantel rope with a diameter of 10.5 mm. The Viper2 slides freely on the rope and blocks at the slightest sign of a fall. Its extremely simple opening system means that the Viper2 can be attached to the rope or removed from it at any location. As soon as the connecting carabiner is put back into place, the Viper2 is locked and ready for use.



New

### AC401

Mobile fall arrest device on kernmantel rope, Ø 10.5 mm, with automatic blocking function

28 cm extension strap with self locking carabiner

Body in bichromate steel

Screw gate locking carabiner, 18 mm opening

System breaking strength:  
> 15 kN

Weight: 0.890 kg

CE EN353-2



New

### AC400

Mobile fall arrest device on kernmantel rope, Ø 10,5 mm, with automatic blocking function

Body in bichromate steel

Screw gate locking carabiner, 17 mm opening

Weight: 0.615 kg

CE EN353-2



### AC420

Kernmantel rope, Ø 10.5mm, for Viper fall arrester - length 20 m

See page 36

CE EN353-2





# Ropes



Protecta gives you a wide choice of ropes, both kernmantel and stranded, for use in every type of application.

## Anchor lines



Anchor lines are available in kernmantel or stranded rope for the Cobra and Viper mobile fall arresters. They come with a looped end and a carabiner, allowing the anchor line to be attached. All ropes are available in lengths of 5 to 50 m.

### AC420

Nylon static rope,  $\varnothing$  10.5 mm, with yellow and red wear indicator

Rope end: sewn loop underneath protective sleeve

Connector: AJ501, 17 mm opening

Useful length: 20 m

System breaking strength > 22 kN

CE EN352-2



### AC220

3 stranded nylon rope,  $\varnothing$  14 mm, with yellow and red wear indicator

Rope end: spliced loop

Connector: AJ501, 22 mm opening

Useful length: 20 m

System breaking strength > 22 kN

CE EN352-2



### AG6800621

Bolster backpack for the transportation and storage of 45 L rope

Available in version 68 L ref. AG6800622

## Rollgliss R250

15 years after the launch of its most well-known product, Rollgliss, the inventor of the twin safety descender, now returns in force with a new self blocking safety descender: the R250. It designed by and for rope work professionals, based on three principles: the search for the best possible functionality, simplicity of use and an unrivalled ergonomic design.

The R250 is extremely versatile, and can be used as an ascender, descender, positioning lanyard, evacuator with an anti-panic system, etc. It is highly ergonomic and an ideal partner for rope work or rescue operations.

### AG6250000

Automatic blocking descender and belay device, with aluminium 1/4 turn twist lock carabiner

Aluminium body and handle  
Stainless steel lockable cam

Double safety opening

Anti-panic safety system

Use only with rope AG6250 rope

Weight: 500 g

Breaking strength > 20 kN

CE EN 341 – EN 358



## Kernmantel ropes



### AL0105T/1

Nylon static rope, Ø 10.5 mm

Breaking strength > 25 kN

CE EN1891



### AG672000

Nylon static rope, Ø 9.5 mm

Breaking strength > 21 kN

CE EN1891

LENGTH	ANCHOR LINE STRANDED AJ501		ANCHOR LINE KERNMANTEL		ROPE STATIC KERN-MANTEL 9.5 mm
	12 mm	14 mm	AJ501 10 mm	AJ565 10 mm	
<b>5 m</b>	AC205B	AC205	AC405	AC405/1	
<b>10 m</b>	AC210B	AC210	AC410	AC410/1	AG6720010
<b>15 m</b>	AC215B	AC215	AC415	AC415/1	
<b>20 m</b>	AC220B	AC220	AC420	AC420/1	AG6720020
<b>25 m</b>	AC225B	AC225	AC425	AC425/1	
<b>30 m</b>	AC230B	AC230	AC430	AC430/1	AG6720030
<b>35 m</b>	AC235B	AC235	AC435	AC435/1	
<b>40 m</b>	AC240B	AC240	AC440	AC440/1	AG6720040
<b>45 m</b>	AC245B	AC245	AC445	AC445/1	
<b>50 m</b>	AC250B	AC250	AC450	AC450/1	AG6720050



Rollgliss, rescue systems favoured by rescue professionals. Flexible, robust, light, Rollgliss equipment will always be there when you need it.

## Rollgliss rescue systems

### Modular rescue and evacuation system

The R350 ascension and rescue system is the global favourite. Quick to install, multifunctional, easy to use and reliable, the R350 has been adopted by a large number of rescue services throughout the world. It allows people to effortlessly ascend (or descend) in complete safety. It can be configured in various versions, with its system of interchangeable rigged pulleys in 2:1, 3:1 or 5:1, depending on your needs.

#### Rollgliss R350

Modular evacuation system

Safety pulley for 9 mm rope

Modular rigging system: 2:1, 3:1, 5:1

Aluminium body and pulley

Useful lengths of: 10 to 100 m

Connector: AJ514, 17 mm opening

Maximum load: 150 to 250 kg depending on reduction coefficient

Weight: 1.75 kg (bare device)

CE EN341 A / EN1496 B



**AG6350ST51**  
Rollgliss R350 assembled system with a 5:1 reduction



During descent, load braking is guaranteed by the friction of the rope on the drum, while a ratchet wheel makes ascent easy.



#### STORAGE BOX

Resistant and light aluminium box practical for storing the Rollgliss R350 system, and available in 6 sizes. (See page 53)

## Hand winch

The hand winch that accompanies the Rollgliss R350 system (with a minimum reduction of 3:1) permits an extremely rapid and precise ascent, and can be fitted directly to the AM100 tripod. The braking lever allows the rope to be completely blocked, and the regulator permits a slow descent.

### AG6800300B

Hand winch for 9 mm lanyard

Aluminium body and pulley

Can be installed directly on the AM100 tripod

Jumar braking lever, with regulator

Maximum load: 150 kg  
depending on reduction coefficient

Weight: 4.400 kg

EN1496 class B

Cross section of a Rollgliss pulley:

- Reinforced brass axle
- Aluminium side plates
- Polyamide pulley
- Indestructible setting



## Different configurations of the R350 system



### AG6350ST21

R350 assembled system with a 2:1 reduction

Rope length =  
useful length x 3

### AG6350ST31

R350 system assembled with a 3:1 reduction

Rope length =  
useful length x 4

### AG6350ST51

R350 system assembled with a 5:1 reduction

Rope length =  
useful length x 6

## Modular pulleys for the Rollgliss R350 system

### 2:1 reduction



**AG6350200**  
Upper anchorage



**AG6350210**  
Single pulley

### 3:1 reduction



**AG6350220**  
Upper pulley



**AG6350230**  
Pulley with recovery

### 5:1 reduction



**AG6350260**  
Double upper pulley



**AG6350270**  
Double pulley with recovery



### AG6720xxx

9.5 mm kernmantel rope for the Rollgliss system

Available in lengths of 10 to 340 m



Rollgliss R350 system shown on the AM100 tripod with hand winch





# Descenders, blockers

Both rope work and rescue operations require high performance equipment that is tailored to extreme situations. Protecta offers a range of dedicated equipment and accessories.

## Automatic blocking descender R250

A multifunctional tool for rescue teams, the R250 permits belaying, descent, evacuation, rope work and also restraint. Descent can be regulated easily using the handle, and an anti-panic function eliminates the risk of an accident caused by incorrect usage. Its aluminium body and stainless steel cam make it light and robust, with a long life span.

### AG6250000

Automatic blocking descender and belay device with aluminium 1/4 turn twist lock carabiner

Aluminium body and handle

Stainless steel lockable cam

Double safety opening

Anti-panic safety system

Use only with rope AG6250 rope

Weight: 500 g

Breaking strength > 20 kN

1 person

CE EN 341 – EN 358



## Double safety descender



The descender functions on a rope with Ø of 9 to 12 mm. The speed of the descent is controlled by applying pressure on the handle. The descender is fitted with a double safety blocking system.

### AG560

Double safety descender

Material: green anodised aluminium

Anti-panic safety system

Weight: 490 g

Breaking strength > 20 kN

1 person

CE EN341 Class A - EN 12841 C

## Blockers



### AG562

Ascender

Uses: climbing up a rope, self-belaying and cam for rigging.

Material: green anodised aluminium

Compatible with ropes Ø 8 to 12 mm

Weight: 170 g

Breaking strength > 20 kN

CE EN567



### AG561

Chest ascender

Uses: climbing up a fixed rope, connection to chest harness

Material: green anodised aluminium

Compatible with ropes Ø 8 to 12 mm

Weight: 180 g

Breaking strength > 20 kN

CE EN567

## Ascent handle



### AG563

Right-handed handled ascender for climbing up a fixed rope.

Material: green anodised aluminium

Compatible with ropes Ø 8 to 14 mm

Weight: 240 g

Breaking strength > 15 kN

Also available in a left-handed version: AG563/1

CE EN567



# Pulleys



In order to provide something suitable for every scenario, Protecta offers a large choice of pulleys, single or double, with moveable or fixed side plates - all types and combinations are possible.



## Double in-line pulley that can be opened

Essential equipment for rope work, whether for rigging or guides, Protecta pulleys with moveable side plates combine superb performance with an exceptional life span.

### AG572/1

Double in-line pulley that can be opened

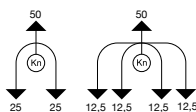
Aluminium pulley and side plates

Compatible with ropes of maximum  $\varnothing$  16 mm

Weight: 470 g

Breaking strength > 50 kN

CE EN12278



### AG570

Single pulley with moveable side plates (can be opened)

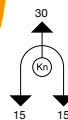
Aluminium pulley and side plates

Compatible with ropes of maximum  $\varnothing$  16 mm

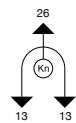
Weight: 270 g

Breaking strength > 30 kN

CE EN12278



## Pulley that can be opened



### AG570/1

Single pulley with moveable side (can be opened)

Polyamide pulley - aluminium side plates

Compatible with ropes of maximum  $\varnothing$  11 mm

Weight: 85 g

Breaking strength > 26 kN

CE EN12278



## Alloy carabiners

Protecta offers you a large choice of aluminium alloy carabiners, designed for attaching and connecting various pieces of equipment and accessories which are necessary for rope work.

### AJ530 & AJ531

Screw gate carabiners (AJ530) or self 1/4 turn (AJ531)

Material: aluminium alloy

Opening: 17 mm (AJ530) - 17 mm (AJ531)

Weight: 62 g (AJ530) - 75 g (AJ531)

Breaking strength > 28 kN

CE EN362 B



### AG511

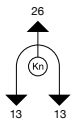
Triple-anchorage plate

Material: aluminium alloy

Breaking strength > 20 kN

CE EN795 B

## Pulley with fixed side plates



### AG571

Pulley with fixed side plates

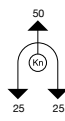
Polyamide pulley - aluminium side plates

Compatible with ropes of maximum Ø 11 mm

Weight: 91 g

Breaking strength > 26 kN

CE EN12278



### AG571/1

Pulley with fixed side plates

Polyamide pulley - aluminium side plates

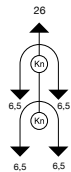
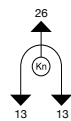
Compatible with ropes of maximum Ø 20 mm

Weight: 300 g

Breaking strength > 50 kN

CE EN12278

## Stacked double pulley that can be opened



### AG572

Stacked pulley with moveable side plates

Polyamide pulley - aluminium side plates

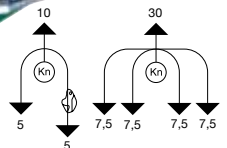
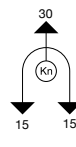
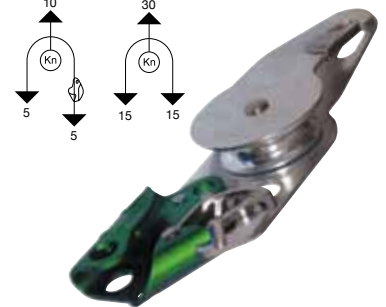
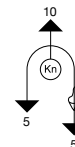
Compatible with ropes of maximum Ø 13 mm

Weight: 410 g

Breaking strength > 26 kN

CE EN12278

## Pulley brake that can be opened



### AG573 & AG573/1

Pulley with moving side-plates and blocker. Double in-line pulley version available, ref. AG573/1

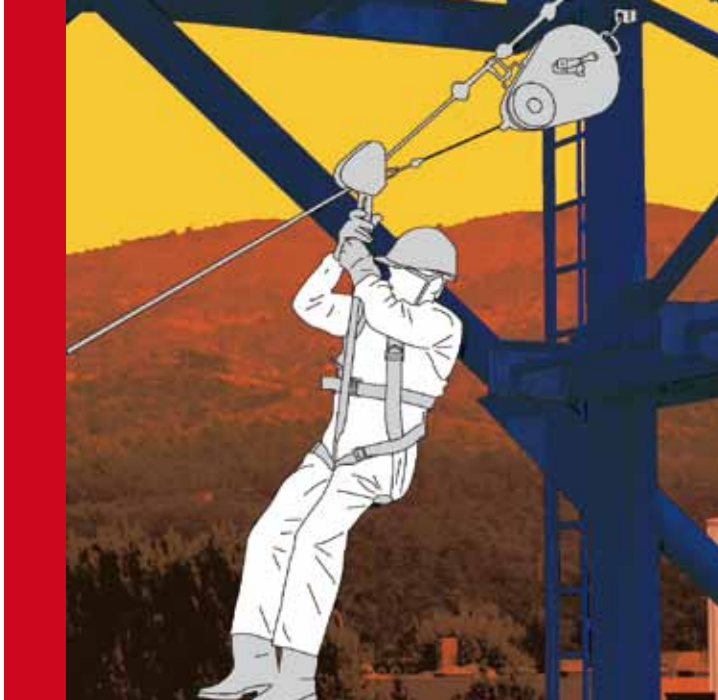
Pulley aluminium - side plates stainless steel

Compatible with ropes of maximum Ø 12 mm

Weight: 550 g (AG573) - 780 g (AG573/1) -

Breaking strength > 30 kN

CE EN12278



Another of Protecta's objectives is to ensure users' safety by putting in place evacuation systems tailored to each scenario. These will allow the user fast escape from a hazardous area.

## □ □ ■ Descenders & evacuation systems



### Recovery and rescue kit

Constructed on the basis of the R250 descender, this recovery kit is an extremely versatile solution that allows rescue and recovery of a victim to be carried out after a fall. Quick and easy to use, it is even aimed at non-professionals who need to carry out rescue operations (after suitable training). It comes with a rucksack that makes it easy to transport and store on site.

#### AG62501010

R250 automatic blocking descender and belay device with 10 m rope, Ø 10.5 mm

Also available in version up to 100m :  
20m : AG62501020 - 30 m: AG62501030 ...

5 m telescopic rod

Rigging system with blockers

Ascent handle

Anchorage ring

Carrying bag

Weight: 6.100 kg

CE EN341 Class A



## Rescue stretcher

Glass fibre stretcher designed for the evacuation of a victim. Light and resistant, its multiple fixing points mean that it can be used for transport on a Tyrolean traverse, or while the victim is winched to safety by helicopter.

### AG810

Glass fibre evacuation stretcher

Comes complete with straps for using during evacuation on a Tyrolean traverse, or when the victim is winched to safety by helicopter.

Straps for holding the injured person in place

Dimensions: L 2150 mm - W 640 mm

Maximum load: 270 kg

Weight: 18.3 kg

Complies with directive 93/42/CEE



**PROTECTA**

### AG503

Opening evacuation strap

Also available in non-opening version, under reference AG502

Weight: 290 g

EN1498 class B



## Bimatic DESCENDER



**AG161/2**  
Protective cover

With its alternative method of functioning, the Bimatic descender enables the successive evacuation of multiple persons, without loss of time.

Also available in a stainless steel version for marine use (AG152I & AG157/I)

### AG152

Alternating automatically regulating descender

Evacuation from heights of 5 to 100 m, depending on the length of the cable.

Galvanised 5 mm cable with woven sheathing, in lengths from 5 to 100 m - ref. AG107

Comes with 2 evacuation straps

Speed of descent is self-controlled: 1.2 m/s

Maximum load: 136 kg

Weight: 4.3 kg (excluding cable)

CE EN341 Class C

## Sauvmatic DESCENDER



The Sauvmatic is often permanently installed in a hazardous area in order to permit rapid evacuation of the personnel present in the event of danger. Its self-regulating system allows a rapid descent, in complete safety, from heights of up to 60 m.

### AG416/I

Automatically regulating descender with self-retracting cable

Evacuation from heights of 2 to 16 m

Also available in: 32 m version, (ref. AG432/I), and 60 m version (ref. AG460/I)

Metal housing, stainless steel cable, Ø 5 mm

Speed of descent is automatically regulated: 1.2 m/s

Maximum load: 136 kg

Weight: 13.54 kg ( for 16 m version)

CE EN341 Class B

## Trollmatic INCLINED PLANE DESCENDER



**AG300**  
Evacuation carriage with braking system

An evacuation solution for use on inclined planes, allowing users to escape the hazardous area by moving sideways. More particularly, this system is designed for the evacuation of personnel from derricks. Requires a load-bearing cable to be installed, and use of the AG300 evacuation carriage.

### AG360/I and AG399

Self regulating descender for use on inclined planes, with load-bearing cable

Angle of load-bearing cable: 30° to 60°

Useful length: 60 m / 100m

Metal housing, 5 mm stainless steel cable

Manual cable retraction

Speed of descent is automatically regulated: 4 m/s

Maximum load: 136 kg

Weight: 20 kg / 36 kg

CE EN341 Class B





Since a good fall arrest system begins with a good anchorage point, Protecta offers a wide range of solutions: mobile anchorage points and permanent anchorages, for both work and rescue.

## Anchorage



### Mobile tripod

With tasks in a confined space, a reliable anchorage point must be used to allow work to be carried out effectively and in complete safety. The AM100 tripod, made entirely of aluminium, can be very easily transported and deployed. Its four independent anchorage points mean that a rig for suspended work can be used in combination with a self retracting fall arrest device that incorporates a retrieval system, as fall arrest and rescue equipment.

#### AM100

- 4 anchorage points
- Aluminium head and feet
- Automatically locking feet
- Maximum load: 500 kg
- Non slip bedplate
- 8 adjustable positions
- Usage height: 1.35 m to 2.35 m
- Base: diameter 1.54 to 2.56 m
- Weight 19 kg

CE EN795 Class B

#### AK0100

- Carrying bag for tripod
- PVC cotton
- Quick velcro closure



### Rescue winch



This winch is designed to facilitate the descent and/or ascent of a person during work in a confined space. Thanks to its integrated fixing plate, it can be easily mounted on the mobile tripod or the swivelling bracket. Its reduction ratio (4.1/1) means that a victim can be rapidly retrieved.

N.B: a rescue winch should always be used together with a fall arrest system

#### AT200I/20

Automatic blocking system

Fitted with a fixing plate that can be adapted to suit the AM100 tripod

Stainless steel cable, Ø 5 mm, with swivel carabiner

Maximum load: 136 kg

Useful length: 20 m

Weight: 9.150 kg

EN1496 Class B



#### AM450/80

Sewn loop in nylon webbing size - 25 mm

4 safety seams

Useful length: 0.80 m

Version in 1.50 m length - reference AM450/150

System breaking strength > 22 kN

CE EN795 Class B

## Fall factor

The choice of anchorage point is vital for the user's safety. It is important that you always choose an anchorage point located above the user's waist, or better still, above his or her shoulders.

The hazardousness of a fall increases in exponential fashion as soon as there is a high fall factor. A high fall factor creates greater stresses, while falling from a greater height increases the risk of injury caused by the fall (hitting an object below), and results in a longer and more complex emergency rescue operation.

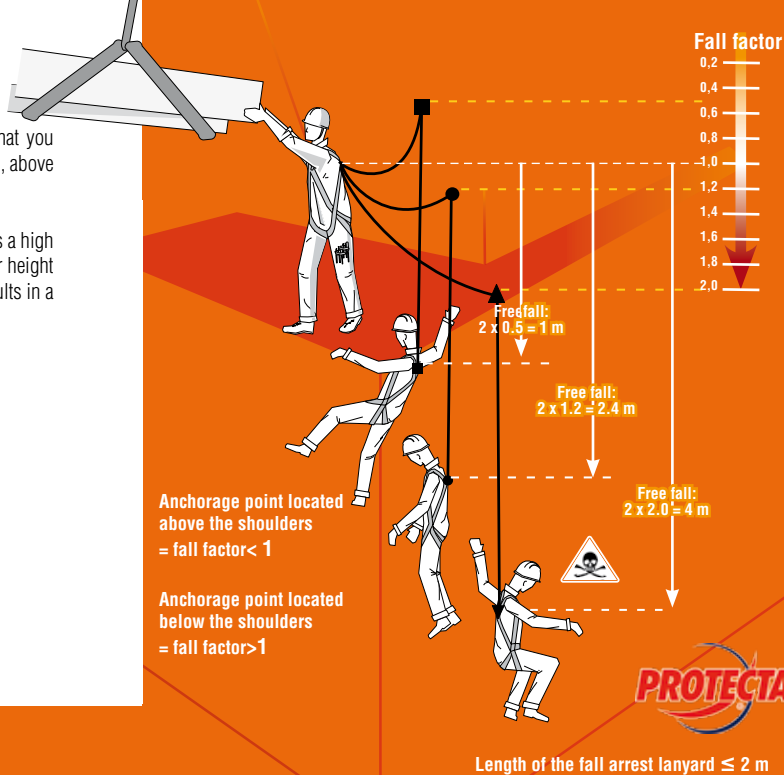


### AT052/1

Steel guide pulley

Compatible with cable with maximum  
Ø 5 mm

Weight: 0.920 kg



Anchorage point located  
above the shoulders  
= fall factor < 1

Anchorage point located  
below the shoulders  
= fall factor > 1

**PROTECTA**

Length of the fall arrest lanyard ≤ 2 m



New

### 2130006

PLAKET® Anchor-Fall Arrest Anchor Point

Fall indicator

Up to 2 users

System breaking strength 22 kN

Weight : 180 g

CE EN795 Class A



### AM210

Anchorage plate

Stainless steel - 3.5 mm thickness

Fixed with stainless steel bolts, Ø 12 mm

System breaking strength > 15 kN

Weight: 43 g

CE EN795 Class A



### AM211

Anchorage ring

Stainless steel

Fixed with stainless steel bolts, Ø 12 mm

Can be used in 3 load directions

System breaking strength > 15 kN

Weight: 130 g

EN795 Class A



New

### 2100094 & 2100105

Rod connector, 60 mm opening  
(2100105)

Fibre glass rod (2100094)

Length when fully open: 7.8 m

System weight: 4 kg

CE EN795 Class B



### AM401G

Galvanised steel sling, Ø 6 mm  
thimble ends

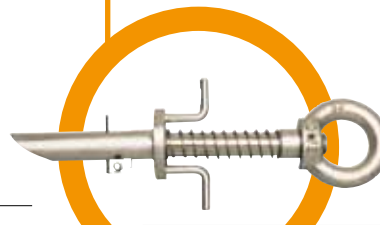
PVC protective sleeve

Useful length: 1.0 m

Version in 2.0 m length - reference AM402G

System breaking strength > 15 kN

CE EN795 Class B



### AM201

Mobile anchorage point for steel  
structures

Can be used both horizontally and  
vertically

Diameter of the hole: from 20 to 22 mm

System resistance > 10 kN

Weight: 0.680 kg

CE EN795 Class B



Accessories for connecting the different parts of a fall arrest system (lanyard, harness, anchorage point), the steel carabiners and connectors are equipped with a double locking system. Protecta offers you a huge range of products, all CE certified.

## □ □ ■ Connectors

### Screw gate steel carabiners



Screw gate carabiners are still the safest choice of connectors, although they should only ever be used in tasks involving limited connection/ disconnection (2 to 3 times a day).

#### AJ501

Screw gate carabiners  
 Material: galvanised steel  
 Opening: 17 mm  
 Weight: 170 g  
 Breaking strength > 25 kN

CE EN362 Class B

Available in a box of 20 pieces - ref. AJ501/B20

### Steel self locking carabiners

#### AJ514

1/4 turn self locking carabiners  
 Material: galvanised steel  
 Opening: 18 mm  
 Weight: 170 g  
 Breaking strength > 25 kN

CE EN362 Class B

Available in a box of 20 pieces - ref. AJ514/B20

### Screw gate alloy carabiners



#### AJ520

Screw gate carabiners  
 Material: aluminium alloy  
 Opening: 17 mm  
 Weight: 93 g  
 Breaking strength > 23 kN

CE EN362 Class B



## Quick links

Quick links enable a semi-permanent connection between different parts of a fall arrest system (eg. a harness and a lanyard, or a positioning lanyard and a belt).

### AJ509

Stainless steel delta quick link, with 8 mm opening

Weight 45 g - Breaking strength > 12 kN



### AJ502

Stainless steel quick link, with 10 mm opening

Weight 79 g - Breaking strength > 35kN



### AJ508

Stainless steel delta quick link, with 10 mm opening

Weight 89 g - Breaking strength > 27 kN



### AJ507

Stainless steel quick link, with 17 mm opening

Weight 62 g - Breaking strength > 25 kN



## Self locking alloy carabiners



### AJ521

1/4 turn self locking carabiners

Material: aluminium alloy

Opening: 18 mm

Weight: 100 g

Breaking strength > 20 kN

CE EN362 Class B

## Screw gate alloy carabiners



### AJ530

Screw gate carabiners

Material: aluminium alloy

Opening: 17 mm

Weight: 77 g

Breaking strength > 28 kN

CE EN362 Class B

## Self locking alloy carabiners



### AJ531

1/4 turn self locking carabiners

Material: aluminium alloy

Opening: 17 mm

Weight: 80 g

Breaking strength > 28 kN

CE EN362 Class B

# Connectors



Double safety connectors, whether the self locking or automatic snaphook type, can be very easily operated with one hand. Their automatic closure and automatic locking means that they are suited for frequent use.



## 1/4 turn carabiner, 50 mm

A multifunctional carabiner with a large gate, the AJ593 can be used equally well as an anchorage point for a fall arrest device, or at the end of a lanyard. This carabiner is equipped with a pin that allows you to permanently connect a lanyard to the carabiner, preventing it from becoming lost.

### AJ593

1/4 turn self locking carabiner

Material: galvanised steel

Opening: 50 mm

Weight: 780 g

Breaking strength > 25 kN

Comes with a pin

CE EN362 Class A

### AJ592

Double safety self locking carabiners

Material: galvanised steel

Opening: 85 mm

Weight: 835 g

Breaking strength > 18 kN

CE EN362 Class A



## Self locking scaffolding carabiner



### AJ595

Double safety self locking carabiner

Material: galvanised steel

Opening: 50 mm

Weight: 540 g

Breaking strength > 23 kN

CE EN362 Class A

## Manucroche connector

An anchor clamp in stainless steel wire, the Manucroche is the ideal connector for anchoring a fall arrest system to a steel structure. Its double locking system guarantees a connection that will withstand any challenge.

### AJ302

Connector with automatic closure

Material: stainless steel

Opening: 110 mm

Weight: 345 g

Breaking strength > 24 kN

CE EN362



Available in three sizes:

opening: 75 mm - AJ301

opening: 110 mm - AJ302

opening: 140 mm - AJ303

## Self locking carabiner



### AJ565

Self locking carabiner

Material: galvanised steel

Opening: 17 mm

Weight: 210 g

Breaking strength > 23 kN

CE EN362 Class T

## Self locking swivelling carabiner



### AJ571

Double safety self locking carabiner

Material: chrome steel

Opening: 19 mm

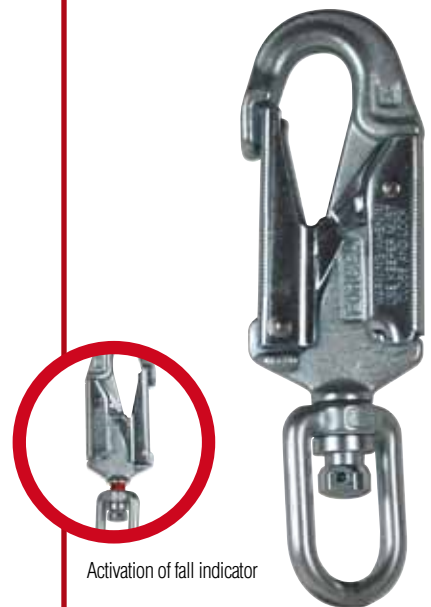
Weight: 420 g

Breaking strength > 22 kN

Swivel snap hook

CE EN362 Class T

## Self locking carabiner with fall indicator



Activation of fall indicator

### AJ573

Double safety self locking carabiner

Material: galvanised steel

Opening: 19 mm

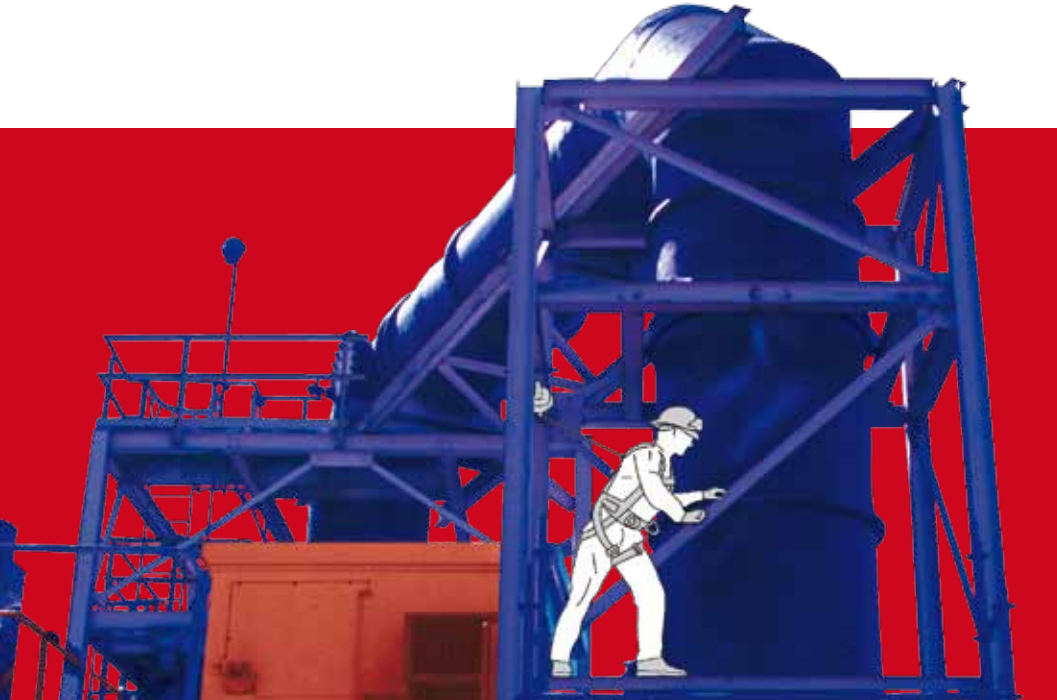
Weight: 460 g

Breaking strength > 22 kN

Swivel snap hook with fall indicator

CE EN362 Class T

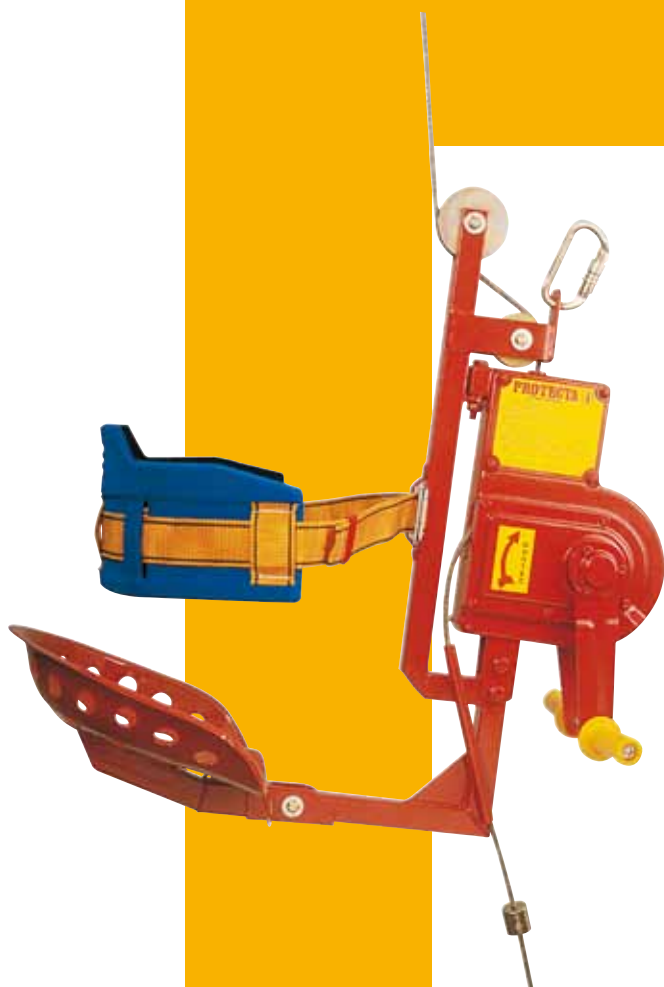




To complement its fall arrest products, Protecta offers a range of accessories and storage bags to make your equipment last longer.



## Accessories



### “Ouisiti” working seat

A compact personal access system that is easy to install, the “Ouisiti” working seat is designed for use in any situation where it is impossible, or too expensive, to use a gondola or scaffold. A practical tool for maintenance and inspection work, cleaning, painting, etc...

#### AH600

A personal access system, on cable with a textile core.

Automatic blocking system.

Available length of cable: 10 to 50 m

Comes with positioning belt

AH602 footrest and rigid back pad

AH601 available optionally.

To be used safely with a fall arrest device

Maximum capacity: 136 kg.

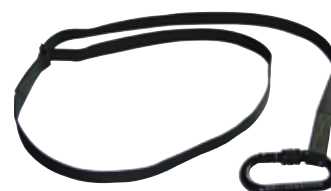
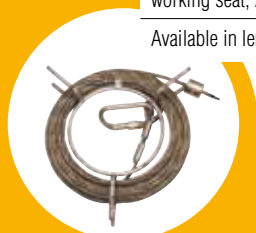
Weight: 16.5 kg

Machine directive 89/392/CEE

#### AH6xx

8 mm cable with textile core for working seat, AH600

Available in lengths of 10 to 50 m



#### AG565

Adjustable ascension loop with AJ520 carabiner

18 mm nylon line

## Safety helmet

Ultra-light protective helmet, with an extremely comfortable three-point chin strap to guarantee that the helmet remains securely on the user's head. The Protecta helmet is fitted with an elastic strap that allows a head lamp to be positioned. A good fit on the head is guaranteed by a simple and effective velcro system. Perspiration is controlled by the helmet's excellent ventilation and by the headband with its extremely absorbant brushed cotton lining.



### AG580

Safety helmet

CE EN 397

### AK010

Comfort shoulder pads

Can be clipped onto any type of harness



### AG502/1

Webbing evacuation seat harness

EN1498 Class B



### AG501

Adjustable evacuation triangle

EN1498 Class B



### AG703

Working seat

Wooden seat, non-slip surface

## Rope bag



Storage backpack for ropes and accessories  
Its rigid rod and plastic clip closure ensures that it remains relatively air tight. Available in 2 sizes:  
Bag 45 l. - ref : **AG6800621**  
Bag 68 l. - ref : **AG6800622**

## Storage box



A practical box in resistant and light aluminium for storing ropes and bulky accessories. Available in 6 sizes:

**AG6800652** : 350 x 250 x 310 mm  
**AG6800653** : 550 x 350 x 220 mm  
**AG6800654** : 550 x 350 x 310 mm  
**AG6800655** : 550 x 350 x 380 mm  
**AG6800656** : 750 x 550 x 380 mm  
**AG6800657** : 850 x 450 x 350 mm

## Storage bag



Protecta offers various bags and cases for storing the equipment:

Marine bag ref: **AK043** - ø 300 x 500 mm  
Carrying bag ref: **AK066** - 350 x 200 x 200 mm  
PVC storage case ref: **AK041** - 500 x 125 x 370 mm

## Carrying bag

Ref: **AG6800624** - 18 l.



## Backpack



Ref: **AK053**



Tree surgery is a task for which it is necessary to have tools that are completely suitable. Protecta has developed a range of dedicated equipment for working in the trees, which is tailor-made to satisfy demanding professionals.



## Tree Surgery



### Harness for tree surgery

Developed in consultation with professionals, the harness for tree surgery performs at an extremely high standard. By integrating a belt with an ergonomic back pad, 4 positioning D rings (2 of them at central points), and a rigid seat, this harness allows the user to work comfortably for hours.

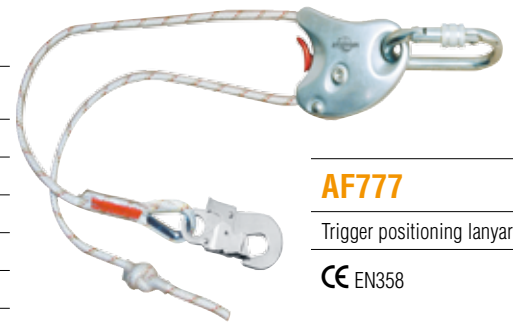
#### AB201

- 1 dorsal attachment D ring
- 2 positioning D rings on the belt
- 2 central positioning D rings
- Adjustable belt with positioning back panel
- Adjustable thigh and shoulder straps
- Rings to carry accessories
- Rigid working seat
- Weight: 2.970 kg

CE EN361 / EN358



### Positioning ropes



#### AF777

Trigger positioning lanyard

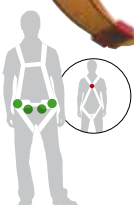
CE EN358



#### AF763/2

Manustop positioning lanyard

CE EN358





## Climbing spikes

### AK031

Single clamp

Adjustable and protective strap

Comes with protective cover

Materials: galvanised steel

Weight: 1,910 kg



### AG570

Single pulley with moveable side plates (can be opened)

Aluminium pulley and side plates

Compatible with ropes of maximum Ø 16 mm

Weight: 270 g

Breaking strength > 30 kN

CE EN12278



## Accessories



### AJ596

Self locking carabiner

Opening: 60 mm

Weight: 245 g

CE EN362



### AK016

Thin cord for throw bag

Length: 50 m



### AK015

Throw bag

Weight: 320 g

## Lanyards



### AL415C

1.5 m connecting lanyard

CE EN354



### AG6800621

Storage backpack, 45 l

Also available in bag version, 68 l  
ref : AG6800622 .

## Ropes



### AC420

20 m nylon static kernmantel  
rope, Ø 10.5 mm

For other lengths, please see page 37

Breaking strength > 15 kN



### AC220

Nylon stranded rope,  
in 20 m length, Ø 14 mm

For other lengths, please see page 37

Breaking strength > 22 kN



## **P P E : European standards and legislation**

### **European regulations : “ Who does what? “**

**European directives:** the Council of European Communities, at the Commission’s instigation, establishes and determines directives (laws) giving general guidance.

**The European Committee for Standardisation** is the recognised body which brings the standards into line and adopts them, working in cooperation with the Commission.

**The Commission** publishes these standards in the Official Journal of the European Community.

**The bodies that are notified** are named by the European Commission and are constantly reassessed. Manufacturers send them the PPE models that require a “CE type” inspection, as well as all the necessary technical documentation. They establish and certify that the PPE model in question complies with the clauses of the directive, and then grant “CE type” certificates.

**Manufacturers** (or their appointed representatives) submit their products to “CE type” inspections with the notified bodies. They draw up a declaration of compliance, attesting that the PPE products that are brought onto the market comply with the clauses of the directive, and affix the CE symbol to each item of PPE. Furthermore, the manufacturer should guarantee that the manufacturing process allows homogenous production (according to article 11 of the directive 89/686/CEE), and that the finished product conforms completely with the model which has been inspected and approved.

## Please note:




“The CE type inspection” is the procedure in which the agreed controlling body ascertains and attests that the PPE model which has been presented for examination complies with the clauses of the directive. “CE type” certificates are issued for an unlimited period of time. A manufacturer must only recertify a product if a major change had been made to its construction, its performance, or, in the case of considerable modification, to the manufacturing process.



## Consolidated standards which are applicable to fall arrest protection and rescue equipment

Within the framework of the implementation of the 89/686/CEE directive, the European Commission has published a certain number of standards intended to control the design and use of rescue and personal protection equipment against falls from a height.

These standards must be adhered to, and are applicable in all the member states.

EN 341	Descender devices	
EN 353-1	Guided type fall arresters including a rigid anchor line	
EN 353-2	Guided type fall arresters including a flexible anchor line	
EN 354	Lanyards	
EN 355	Energy absorbers	
EN 358	Belts for work positioning and restraint and lanyards for work positioning	
EN 360	Retractable type fall arresters	
EN 361	Full body harnesses	
EN 362	Connectors	
EN 363	Fall arrest systems	
EN 364	Test methods	
EN 365	General requirements for instructions for use, maintenance, periodic examination, repairs, labelling and packaging	
EN 795	Anchor devices. Requirements and testing	
EN 813	Sit harnesses	
EN 1496	Rescue lifting devices	
EN 1497	Rescue harnesses (Rescue equipment)	
EN 1498	Rescue loops	
EN 1891	Low stretch kernmantel ropes	
BS 7883	Code of practice for the design, selection, installation use and maintenance of anchor devices conforming to BS EN 795 (only in UK)	 





## European directives and protection against falls from a height.

Two important directives relate to **Personal Protection Equipment (PPE\*)** : directive **89/686/CEE**, which consolidates the conditions for marketing PPE and its free circulation within the European Union, and the more specific directive **89/656/CEE**, which sets out the minimum health and safety prescriptions for the use of PPE by professionals manoeuvring at height.

### • Directive 89/686/CEE on personal protective equipment

This directive is principally concerned with product manufacture. It sets out the conditions subject to which products may be brought onto the market, the manner in which they may be used by member states, and their free circulation within the European Community. This directive establishes general rules pertaining to design, and defines the certification procedure for equipment, which varies depending on three levels of risk (the greater the risk, the stricter the certification procedure):

- **Category I** - minor risks
- **Category II** - risk of lesions (CE type inspection is obligatory)
- **Category III** - risk of death (CE type examination is obligatory, and ISO 9000 guideline on quality during production must be adhered to)

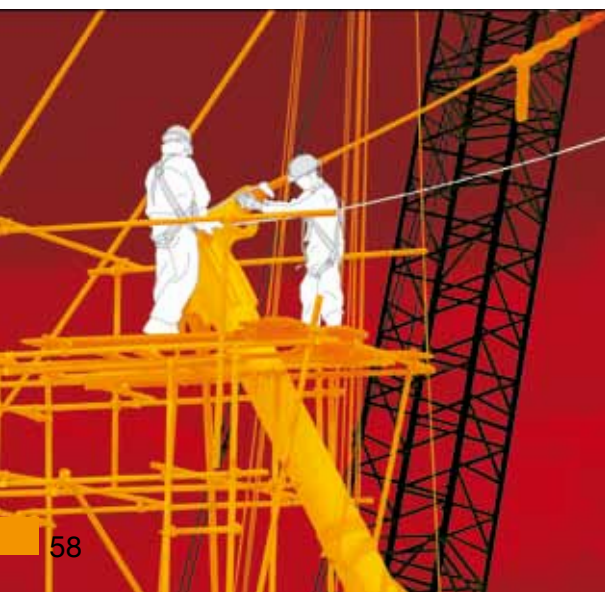
PPE equipment designed to protect professionals from risks associated with a fall from height make up part of Category III: Protection against mortal dangers or dangers which could seriously and irreversibly damage health, or those whose effects can not be ascertained at the appropriate time.

### • Directive 89/656/CEE described the use of PPE at work

This directive examines the correct usage conditions for PPE, and its role in improving health and safety conditions in the work place.

As referred to in this directive, PPE is understood to be:

**“...all equipment designed to be worn or held by the worker with a view to protecting him/her from one or more risks that are liable to threaten his safety or his health in the workplace ...”**





Following on from this, the directive reminds us that, from the moment when the risks to health and safety can be ascertained, the priority should be to eliminate the risk by changing the method of working, or by providing collective protection.

PPE should only be considered if it is not possible to achieve the necessary level of protection by one of these methods, or as an element of collective protection.

**The directive stresses that:**

- all items of PPE should comply with the regulations in force, such as the directive 89/686/CEE
- all PPE provided should fit the wearer and be suitable for the task to be carried out, following the manufacturer's instructions,
- in the event of multiple risk factors demanding that more than one item of personal protective equipment be worn simultaneously, these items of equipment should be compatible with each other,
- as far as possible, the items of PPE should be intended for use by one person.

**In accordance with the directive, the employer should also:**

- carry out a risk evaluation study,
- define the characteristics of the equipment that is necessary to protect his/her employees,
- provide his/her employees with PPE that complies with legal regulations,
- undertake regular checks on the equipment, and note these checks on the products' identity cards,
- retain evidence of the evaluations and the reasons which justified the choice of a particular type of PPE.

**Definition of**

\* PPE: PPE is taken to mean any device or means designed to be carried or held by a person for the purpose of protecting him/her from hazards that could be damaging to his/her health and safety.



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