# GENERAL CATALOGUE

accesus

"High performance equipment for work-at-height"


Versión 1, Marzo 2018

accesus

accesus® designs, manufactures and supplies solutions for works-at-heights, confined spaces and places of difficult people access.

accesus® team have wide experience, placing particular emphasis on safety, functionality and cost-effectiveness.

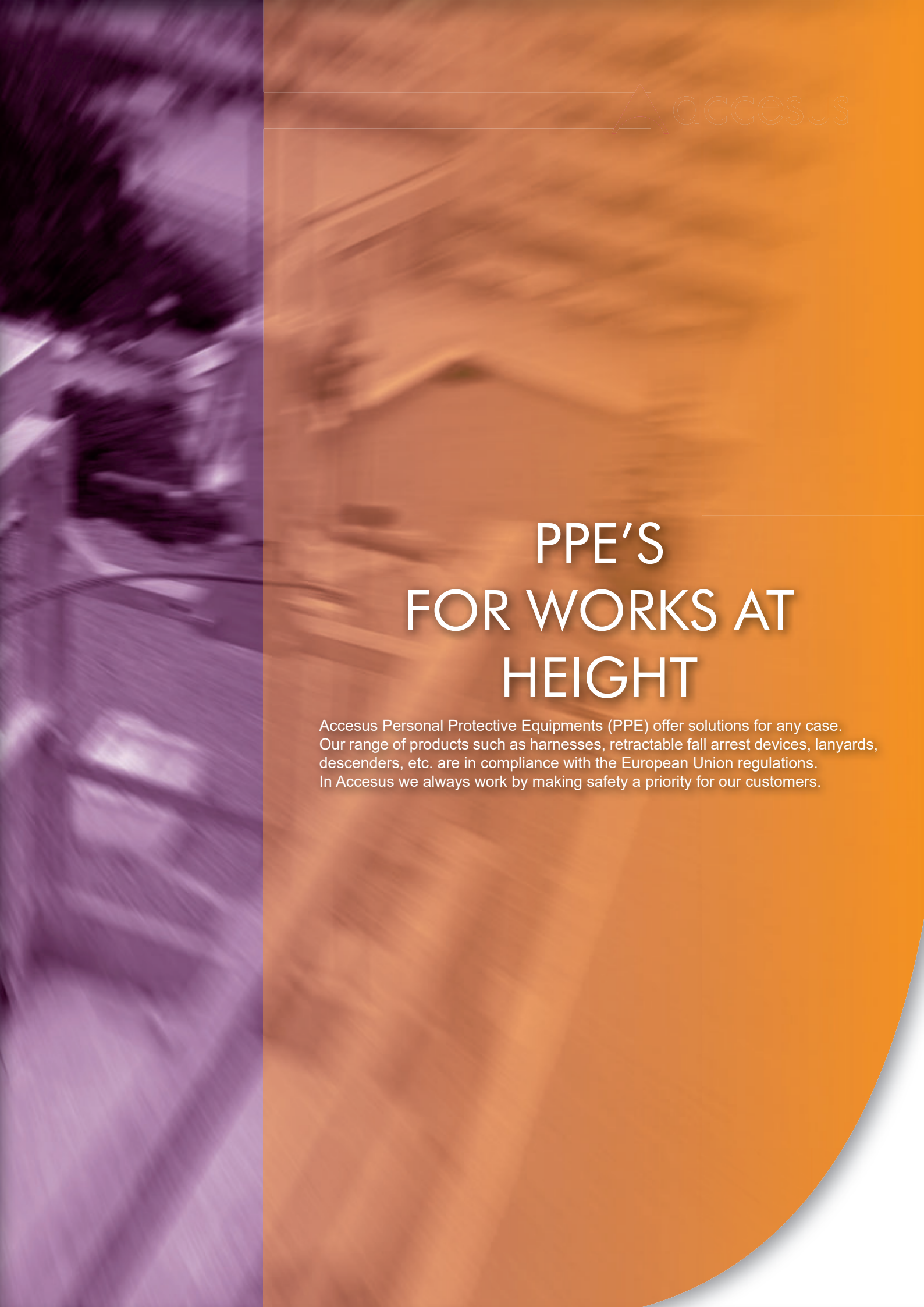
We care about the entire lifecycle of the solution: the initial analysis of the needs, the research and development of the best solution, its manufacturing and assembly at the customer location, training and maintenance.

In accesus® we have experience in a wide variety of market sectors: from construction (buildings, refurbishing, civil engineering, bridges, silos, tanks, dams, etc.) to industrial sectors (food industry, capital goods production, products & raw material manufacturers, steelworks, mines, paper mills) and energy production (thermal power plants, power and nuclear plants, chimneys, water treatment plants, windturbines, hydroelectric power plants).

All our equipments and solutions are certified in order to meet all safety requirements and the current legislation by placing strong emphasis on the documentation quality that we offer our costumers as well as the training for the users of our products.

Furthermore, in accesus® we work together with different industries, engineering and construction companies to adapt their equipment and processes to the legal requirements applicable to their respective industries.

This new catalogue incorporates our long-term experience by solving many different cases. We offer you now this experience.

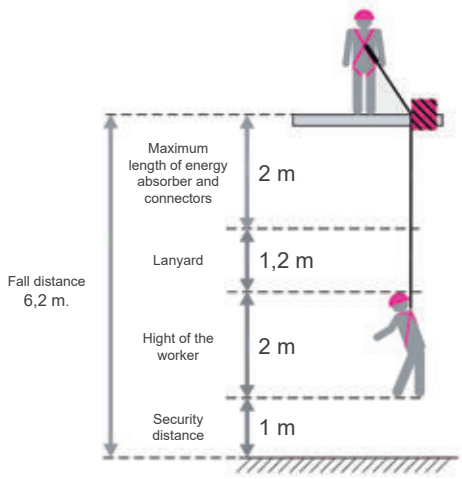


# PPE'S FOR WORKS AT HEIGHT

Accesus Personal Protective Equipments (PPE) offer solutions for any case.
Our range of products such as harnesses, retractable fall arrest devices, lanyards, descenders, etc. are in compliance with the European Union regulations.
In Accesus we always work by making safety a priority for our customers.

## FREE FALL DISTANCE

The free fall distance needed under the worker in order not to collide with any object in case of falling. The free fall distance changes depending on the safety system of the worker: energy absorbers, fall arresters, retractable fall arrest devices, etc.



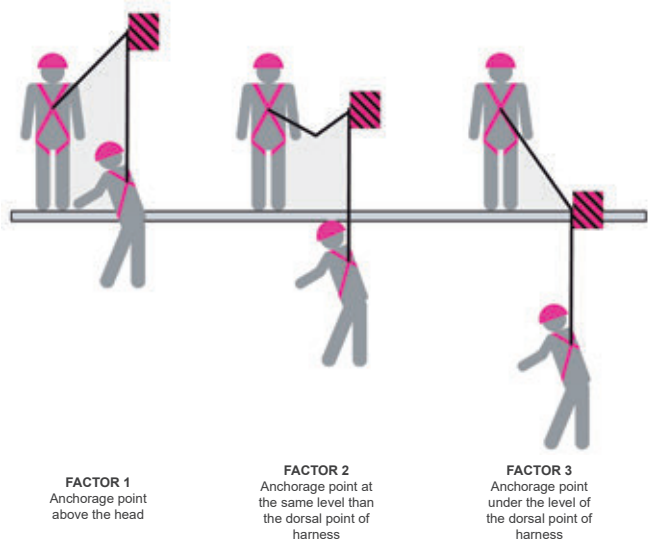

## FALL FACTOR

This factor shows the gravity of a fall.
It is calculated by using the following formula:

*Fall factor = Height / Rope length*

The following factors must be taken into account:

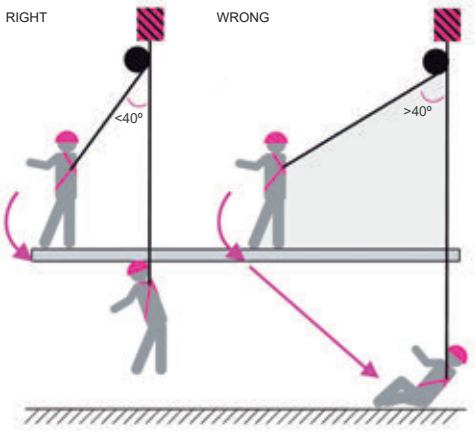
- The sum of the lengths of the energy absorber + lanyards + connectors like carabiners must not exceed 2 m.
- There must be no obstacles during the fall trejectory.
- The fall factor must be limited, avoiding works in Factor 2.
- Check the free fall distance before choosing a fall protection system.
- The worker is subject to a force higher than 6 kN during the fall.



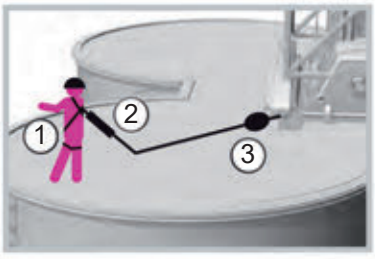

## PENDULUM EFFECT

There can be a pendulum effect in case of falling:

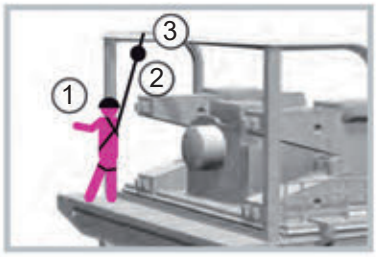
In order to minimise this effect, it is necessary to limit shifts by placing the anchorage point above the head of the worker and limiting it to a maximum angle of 40º.



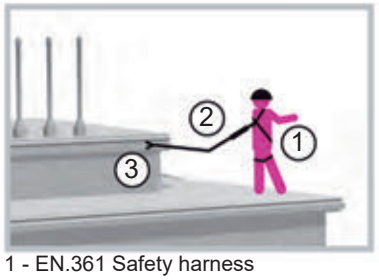

1 - EN.361 Safety harness
2 - EN.355 Lanyard with energy absorber



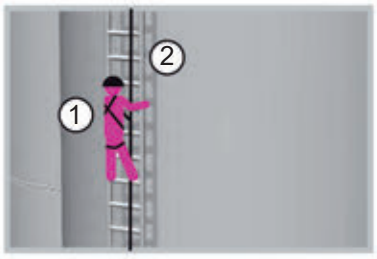

1 - EN.361 Safety harness
2 - EN.358 Positioning sling
3 - EN.360 Retractable fall arrester



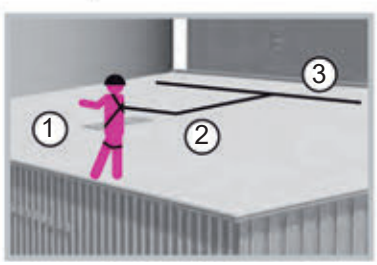

1 - EN.361 Safety harness
2 - EN.360 Retractable fall arrester
3 - EN.795 Anchorage point fall arrester




1 - EN.361 Safety harness
2 - EN.355-3 Lanyard with energy absorber
3 - EN.795 Anchorage point fall arrester




1 - EN.361 Safety harness
2 - EN.353-1 Rope lifeline




1 - EN.361 Safety harness
2 - EN.355-3 Lanyard with energy absorber
3 - EN.795 Anchorage point fall arrester


1 - EN.361 Safety harness
2 - EN.353-2 Temporary rope lifeline

## WITH ONE ANCHORAGE POINT

### A01 Harness

Basic harness for works at different sectors. With 1 dorsal anchorage point. Buckle for connection/adjustment on legs and chest. Weight: 650 gr.

CE
EN 361

### A01S Harness

Basic harness for works at different sectors. With sitting straps that prevent harness from moving through the legs when the worker bends down or gets up. With 1 dorsal anchorage point. Buckle for connection/adjustment on legs and chest. Weight: 700 gr.

CE
EN 361

## WITH TWO ANCHORAGE POINTS

### A03 Harness

Dorsal anchorage point.
Front anchorage point with 2 eyelets.
Buckle for connection/adjustment on legs and chest.
Weight: 700 gr.

CE EN 361

### A03S Harness

Dorsal anchorage point.
Front anchorage point with 2 eyelets.
Buckle for connection/adjustment on legs and chest.
Sitting strap.
Weight: 730 gr.

CE EN 361


### A30 Harness

Dorsal anchorage point with extensible strap.
Front anchorage point with two eyelets.
Buckle for connection/adjustment on legs and chest.
Buckle to adjust straps on shoulders.
Weight: 1.000 gr.

CE EN 361


### A32PRO Harness

Dorsal anchorage point.
Front anchorage point with 2 eyelets.
Padded shoulders, back and legs.
Automatic fastening
Hook holders.
Buckle for connection/adjustment on legs and chest.
Buckle to adjust straps on shoulders.
Weight: 1.315 gr.

CE EN 361

### A35E Harness

Harness with elastic straps.
Dorsal and frontal anchorage points with ring.
Buckle for connection/adjustment on legs and chest.
Buckle to adjust straps on shoulders.
Weight: 1.220 gr.

CE EN 361


### A40 Harness

2 frontal anchorage points with metal ring.
Dorsal anchorage point.
Buckle for connection/adjustment on legs and chest.
Buckle to adjust straps on shoulders.
Weight: 1.100 gr.

CE EN 361

## WITH WORK POSITIONING BELT

### A05S Harness

Sitting strap.
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets.
Positioning belt.
Buckle for connection/adjustment on belt. Buckle for connection/adjustment on legs and chest.
Weight: 1.160 gr.

CE
EN 361
EN 358


### A51E Harness

Dorsal anchorage point.
Frontal anchorage point with 2 eyelets. Rotating positioning belt.
Adjustable elastic strap.
Automatic fastening for connection on legs and belt.
Weight: 1.880 gr.

CE
EN 361
EN 358


### A50 Harness

Dorsal anchorage point with extension of 40 cm.
Frontal anchorage point with 2 eyelets.
Positioning belt.
Buckle for connection/adjustment on legs, chest and belt.
Buckle for adjustment on shoulders.
Weight: 1.460 gr.

CE
EN 361
EN 358

### A61E Harness

Elastic straps in shoulders.
Dorsal anchorage point with extensible strap
Frontal anchorage point with 2 eyelets.
Rotating positioning belt.
Buckle for connection/adjustment on legs, chest and belt.
Buckle for adjustment on shoulders.
Comfort padding for legs.
Weight: 1.720 gr.

CE
EN 361
EN 358


### CP10 Belt

Basic positioning belt with 2 lateral anchorage points. Buckle for connection/adjustment. With padding in back area.
Weight: 460 gr. Available size: M-L-XL.

CE
EN 358

### CP70 Belt

Positioning belt with 2 lateral anchorage points. Leg straps and tool belt.
Anchorage point for suspension work. With automatic buckle for connection/adjustment on legs as well as for adjustment on belt.
Weight: 990 gr. Available size: M-L-XL.

CE
EN 358
EN 813

## A10R Harness

Model recommended for rescue manoeuvers.
Anchorage point for rescue over the shoulders.
Dorsal and frontal anchorage points.
Buckle for connection/adjustment on legs and chest.
Buckle for adjustment on shoulders.
Weight: 1.460 gr.

EN 361
EN 1497

## A30H HIGH VISIBILITY Harness

With reflectant bands and high visibility fabrics.
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets.
Buckle for connection/adjustment on legs and chest.
Buckle for adjustment on shoulders.
Available colors: orange and yellow.
Weight: 1.000 gr.

EN 361


## A30N FIREPROOF Harness

Fireproof safety harness.
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets connected by a carabiner.
Buckle for connection/adjustment on legs.
Buckle for connection/adjustment on shoulders.
Weight: 1.030 gr.

EN 361
EN 358 p4 1.5

## A50N FIREPROOF Harness

Fireproof safety harness.
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets.
Positioning belt.
Automatic buckle for connection/adjustment on legs, chest and shoulders. Weight: 1.650 gr.

EN 361
EN 358 p4 1.5

## A50N FIREPROOF Harness

Fireproof safety harness with the advantage of ISOL protection
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets and positioning belt. Automatic buckle for connection/adjustment on legs, chest and belt. Buckle for adjustment on shoulders. Weight: 1.650 gr.

EN 361
EN 358 p4 1.5
EN 13237


## A51E ISOL Harness

ISOL harness.
Dorsal anchorage point.
Frontal anchorage point with 2 eyelets.
Rotating positioning belt.
Automatic fastening for connection on legs and belt.
Weight: 1.790 gr.

EN 361
EN 358
EN 13237

FOR SUSPENSION

# A73 Harness

The main characteristic of this range is based on the fact that these models are approved for doing suspension work according EN 813 standard. The A73 harness is an upmarket product with the most innovative features on the market. It is equipped with dorsal and frontal anchorage points made of aluminium. It has an anchorage point for suspension position as well as an adjustable positioning belt with 2 lateral anchorage points and tool belt. Includes automatic fasteners to connect/adjust straps on legs, which are easy to operate and can be quickly adjusted. This harness has a front fastener made of lightweight aluminum, adjustment of strap on dorsal and elastic straps on legs. Includes comfort padding on legs, waist and shoulders. It can bear an user weight up to 140 kg. Connection for Accesus ventral blocker. Weight: 1.780 gr. Available size: M-L-XL.
Adjustable buckles with an innovative system: easy, quick and comfortable to use.

CE

EN 361 - EN 358 - EN 813





more information



accesus

## A70 Harness

This harness model for suspension work includes a dorsal anchorage point made of aluminium, an anchorage point for suspension works made of aluminium and an adjustable positioning belt with 2 lateral anchorage points and tool belt. Includes a carabiner with frontal fastener that also works as frontal anchorage. Equipped with buckles of adjustment of straps on legs, shoulders and dorsal. With padding on the legs. Weight: 1.660 gr.

CE

EN 361 - EN 358 - EN 813

## A71E Harness

Safety harness with dorsal and frontal anchorage points as well as anchorage point for suspension position. All three devices are made of aluminium. Frontal fastener with carabiner. Includes elastic straps on shoulders for more movement. Positioning belt with 2 lateral anchorage points and tool belt. Padding on shoulders and legs. With buckle for adjustment on legs, belt and dorsal. Weight: 1.720 gr.


CE

EN 361 - EN 358 - EN 813

## A90 Harness

A top-of-the-range model, easy to put on thanks to a frontal fastener with carabiner. Includes dorsal and frontal anchorage points, both of them are made of aluminium. On the front side there is an anchorage point for suspension position which is also made of aluminium. Positioning belt with 2 lateral anchorage points and tool belt. Includes 1 anchorage point on the back for positioning. Padding on shoulders, back and legs. With buckle for adjustment of straps on legs, shoulders and belt. It can bear an user weight up to 140 kg. Weight: 1.720 gr.


CE

EN 361 - EN 358 - EN 813

see VIDEO

SINGLE

## ES100 Lanyard

Universal lanyard with **adjustable** position. It is made of polyamide with thimbles at one end and adjustment at the other end.
Ø12 mm. Lengths: 1 m - 1,5 m - 2 m

CE
EN 354 - EN 358

Ref. ES100-xx(A)

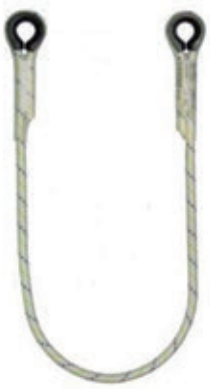
Ref. ES100-15(D)
Adjustable single sling of 1,5 m in length, with AA022 steel hook and Ø50 mm aperture

Ref. ES100-20(C)
Adjustable single sling of 2 m in length, with AA023 aluminium hook and Ø60 mm aperture

## ES101 Lanyard

Universal positioning lanyard.
It is made of polyamide, with thimbles at both ends.
Ø10,5 mm. Lengths: 1 m - 1,5 m - 2 m

CE
EN 354 - EN 358



Ref. ES101-xx(A)

Ref. ES101-15(C)
single sling of 1,5 m in length, with AA023 aluminium hook and Ø60mm aperture

## ABE+ES100 Lanyard

Universal ADJUSTABLE lanyard with energy absorber.
It is made of polyamide with thimble at one end and adjustment at the other end.
Ø12 mm. Length: 2 m.

CE
EN 354 - EN 355

Ref. ABE+ES100(A)
Adjustable single sling with absorber, 2 m in length, without hooks.

Ref. ABE+ES100(C)
Adjustable single sling with absorber, 2 m in length, with AA023 aluminium hook and Ø60mm aperture.

## ABE+ES101 Lanyard

Universal lanyard with energy absorber.
It is made of polyamide. With thimble at one end.
Ø10,5 mm. Length: 2 m

CE
EN 354 - EN 355

Ref. ABE+ES101(A)
Adjustable single lanyard with absorber, 2 m in length, without hooks.

Ref. ABE+ES101(D)
Adjustable single lanyard with absorber, 2 m in length, with AA022 steel hook and Ø50mm aperture

## ABE+EE101 Lanyard

Universal ELASTIC lanyard with energy absorber.
Tubular polyamide webbing with elastic core with thimble at one end.
Webbing: 30 mm.
Length: 2 m.

CE
EN 354 - EN 355

## ABE Energy Absorber

Fall energy absorber made of 100% polyamide.
Dimensions: 160 mm x 35 mm x 45 mm.
Weight: 160 g.
Maximum length: 2 m stretched.

CE
EN 355

## DOUBLE WITH ABSORBER

# ABE+2ES102 Lanyard

Universal double lanyard with energy absorber.
It is made of polyamide with thimbles at the 3 ends.
Ø10,5 mm. Length: 1 m, 1.5 m, 2 m.

CE
EN 354
EN 355

Ref. ABE+2ES102(A)
Double lanyard of 2 m in length without hooks

Ref. ABE+2ES102(C)
Double lanyard of 2 m in length, with two AA023 aluminium hooks and Ø60mm aperture

Ref. ABE+2ES102(D)
Double lanyard of 2 m in length, with two AA022 steel hooks and Ø50mm aperture

Ref. ABE+2ES102(F)
Double lanyard of 2 m in length, with two aluminium AA023 and Ø60mm aperture + AA002 hook

Ref. ABE+2ES102(C) 0,8M+CONEC
Double lanyard of 1 m in length, with two AA023 aluminium hooks and Ø60mm aperture

## ABE+2EE101 Lanyard

Universal ELASTIC double lanyard with energy absorber.
Tubular webbing is made of polyamide with elastic core with thimbles at the 3 ends.
Webbing: 30 mm.
Maximum length: 2 m.

EN 354
EN 355

Ref. ABE+2EE101A)

Ref. ABE+2EE101(C)
Double lanyard of maximum 2 m in length, with two AA023 aluminim hooks and Ø60mm aperture

## ABE+2ES100 Lanyard

Universal ADJUSTABLE double lanyard with energy absorber. It is made of polyamide with unadjustable thimbles at the ends.
Ø12 mm. Length: 2 m.

EN 354
EN 355

## POSITIONING LANYARDS

## ESP3 Lanyard

Positioning lanyard with retainer made of polyamide. Ø14 mm. Length: 2 m, 10 m (ask for other available sizes). With AA002 connector.

EN 358

## ESP11 Lanyard

Positioning lanyard with retainer made of polyamide. Ø12 mm. Length: 2 m, 5 m, 10 m, 20 m. With AA002 connector.

EN 354 - EN 355

## ESP40 Lanyard

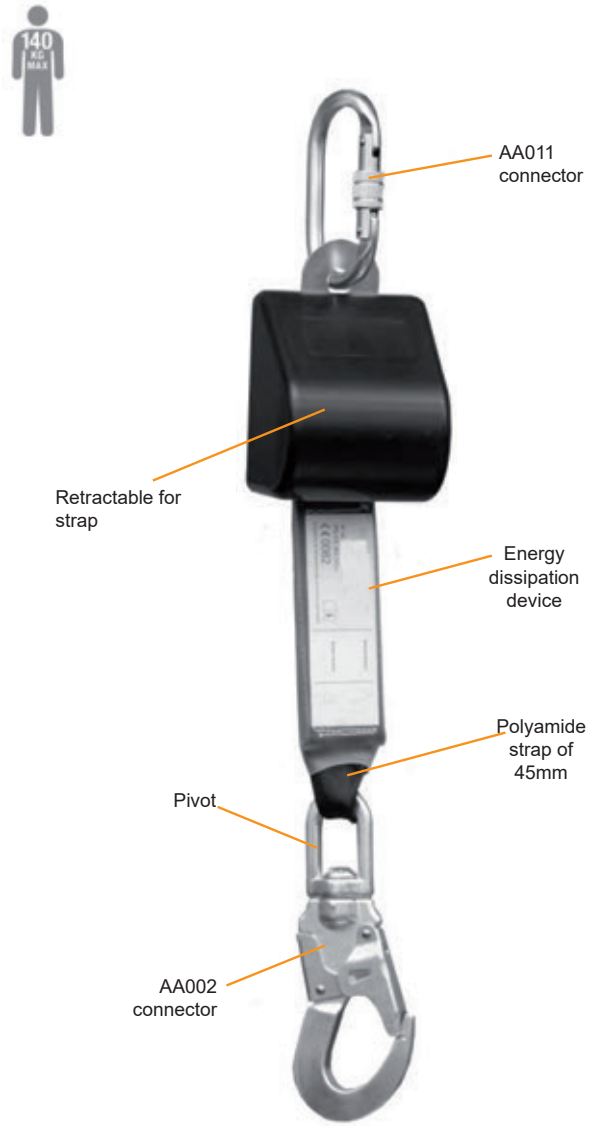
Positioning lanyard with retainer against cut. It is made of steel rope coated with polyester of Ø11 mm. Length: 2 m to 5 m. It can be delivered with or without connectors.

EN 358

## ANRH 2

Retractable fall arrester with polyamide strap (45mm in width). Length: 2,26 m. Includes inertia braking system. The strap goes forwards and backwards at the same time that the worker is moving. With external energy absorber.

CE EN 360




| | |
|---|---|
| Maximum length | 2.260 mm |
| Weight | 1.180 g |
| Dimensions | 96x98x320 mm |
| Max. user weight | 140 kg |
| Upper hook | AA011 (18 mm aperture.) |
| Bottom hook | AA002 (24 mm aperture) |
| Housing | Plastic |

## ANR 3

Retractable fall arrester with galvanized steel wire rope of Ø4mm. Length: 3 m. Double pivot (on the top and bottom).
With internal braking system and energy absorber.

CE EN 360


| | |
|---|---|
| Maximum length | 3.000 mm |
| Weight | 1.750 g |
| Height | 580 mm |
| Max. user weight | 140 kg |
| Bottom hook | AA002 (24 mm aperture) |
| Housing | Plastic |

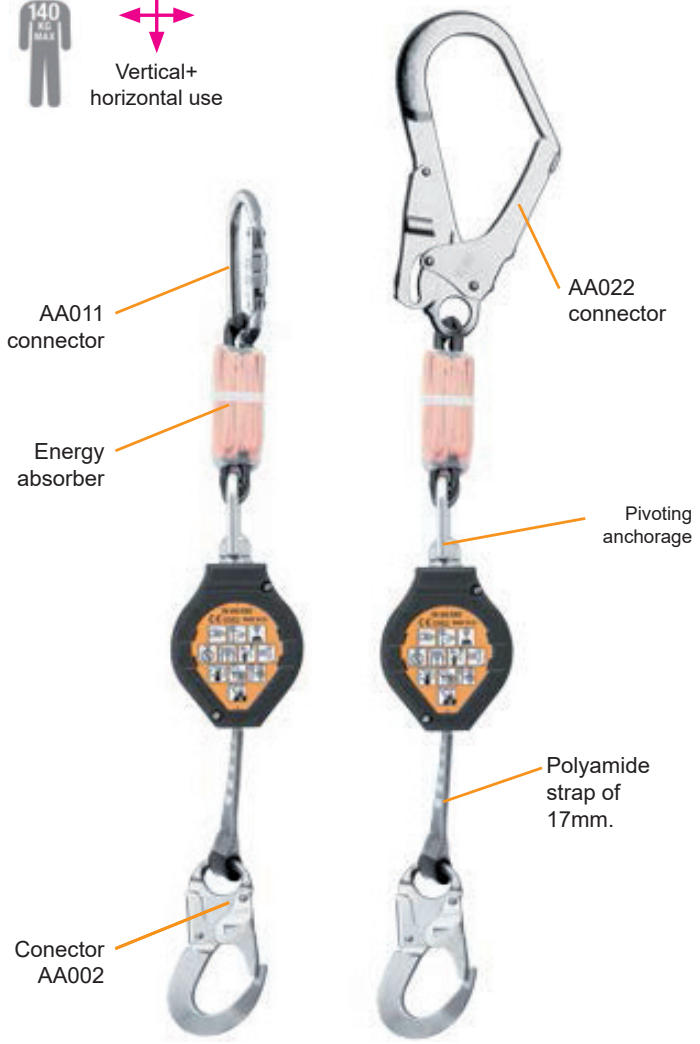
## ANR 25

Retractable fall arrester with polyamide strap (17 mm). Length: 2,5 m. For HORIZONTAL use.
With external energy absorber and internal braking system.

CE EN 360

140 KG MAX

Vertical+ horizontal use




ANR 25 ANR 25

## ANR 6

Retractable fall arrester with polyester-kevlar strap (17mm in width). Length: 6 m.
With internal braking system, energy absorber and fall indicator.
Pivoting anchorage in order to make movement of the worker easier.

CE EN 360

120 KG MAX


| | ANR 25 (A) | ANR 25 (B) |
|---|---|---|
| Maximum length | 2.450 mm | 2.550 mm |
| Weight | 1.030 g | 1.350 g |
| Height | 680 mm | 780 mm |
| Max. user weight | 140 kg. | 140 kg |
| Upper hook | AA011 (Ø18mm) | AA022 (Ø50mm) |
| Bottom hook | AA002 (Ø24mm) | AA002 (Ø24mm) |
| Housing | Plastic | Plastic |

| | |
|---|---|
| Maximum length | 6.000 mm |
| Weight | 1.500 g |
| Dimensions | 160x70x230 mm |
| Max. user weight | 120 kg |
| Bottom hook | AA002 (24 mm aperture) |
| Housing | Plastic |

## ANR 20

Retractable fall arrester with galvanized steel wire rope of Ø4mm.
Plastic housing. With internal brake & energy absorber.
Anchorage point in the form of a handle.
Length: 10 m and 15 m.

CE EN 360


## ANR 30

Retractable fall arrester with galvanized steel wire rope of Ø4mm.
Plastic housing. With internal brake & energy absorber.
Anchorage point in the form of a handle.
Length: 18 m, 20 m, 25 m, 28 m.

CE EN 360


| | ANR 20-10 | ANR 20-15 |
|---|---|---|
| Maximum length | 10 m | 15 m |
| Weight | 5.300 g | 6.100 g |
| Max. user weight | 140 kg | 140 kg |
| Bottom hook | AA002 (Ø24mm) | AA002 (Ø24mm) |
| Housing | Plastic | Plastic |

| | ANR 30-18 | ANR 30-20 | ANR 30-25 | ANR 30-28 |
|---|---|---|---|---|
| Maximum length | 18 m | 20 m | 25 m | 28 m |
| Weight | 11,15 kg | 11,25 kg | 11,50 kg | 11,65 kg |
| Max. user weight | 140 kg | 140 kg | 140 kg | 140 kg |
| Bottom hook | AA002 (Ø24mm) | AA002 (Ø24mm) | AA002 (Ø24mm) | AA002 (Ø24mm) |
| Housing | Plastic | Plastic | Plastic | Plastic |

## AA800 Safety Lanyard

Lanyard for using horizontal retractable devices. With 1,8 m of galvanized steel and Ø8mm. Includes an energy absorber made of aluminium. It is perfect for terraces, flat roofs and sloping roofs. To be used with the retractable fall arresters **ANR20** and **ANR30**.

CE EN 360

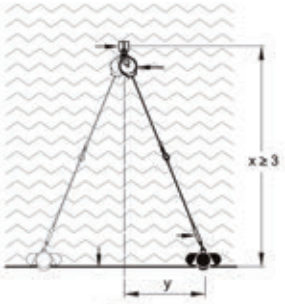



Fig. 1

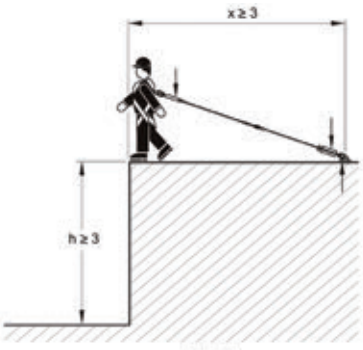



Fig. 2

## ANRW 300

Retractable fall arrester with manual rescue device for 1 person. Automatic braking system. Housing made of aluminium alloy. Length: 25 m. Compatible with Accesus tripods.

CE EN 360 - EN 1496B



| | |
|---|---|
| Maximum length | 25 m. |
| Weight | 15 kg. |
| Max. user weight | 140 kg. |
| Bottom hook | AA002 (24 mm aperture) |
| Housing | Aluminium alloy |

## FALL ARRESTER

### LV 80

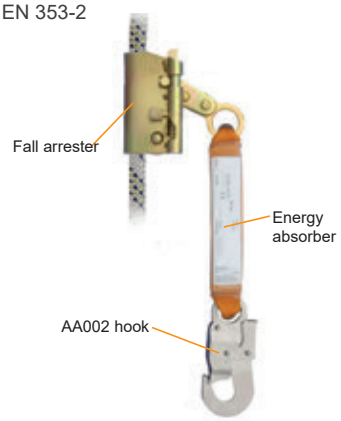
Fall arrester made of aluminium for temporary lifeline of **Ø12 mm** rope.
According to EN353-2.
According to EN358

CE EN 353-2 EN 358


### LV 10

Fall arrester made of steel with energy absorber and AA002 hook. For temporary lifeline of **Ø14 mm** rope.

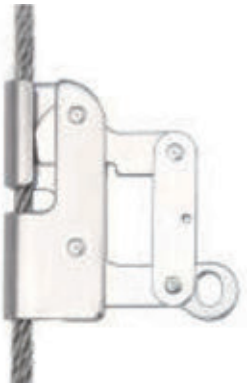
CE EN 353-2




### LV 36

Fall arrester made of stainless. For temporary lifeline of steel wire rope of Ø8 mm.
Weight: 380 g.

CE EN 353-2



## VERTICAL LIFELINES

### LV 100

Liflines with fall arrester of steel, energy absorber (model ABE), rope of polyamide, kernmantle of Ø12mm and hook of steel (model AA002).
**ECONOMIC MODEL**.

CE EN 353-2


### LV 100

lifeline rope of polyamide of **Ø14 mm.** compatible with fall arrester accesus LV10.

CE EN 353-2

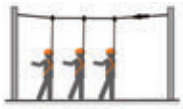

### LV 200

lifeline rope of polyamide of **Ø12 mm**. compatible with fall arrester accesus LV80.

CE EN 353-2

# LVH 320

Horizontal lifelines to adjust straps of 50 mm in width. Suitable for 3 people simultaneously. Includes carrying bag. Length: 10 m or 20 m.

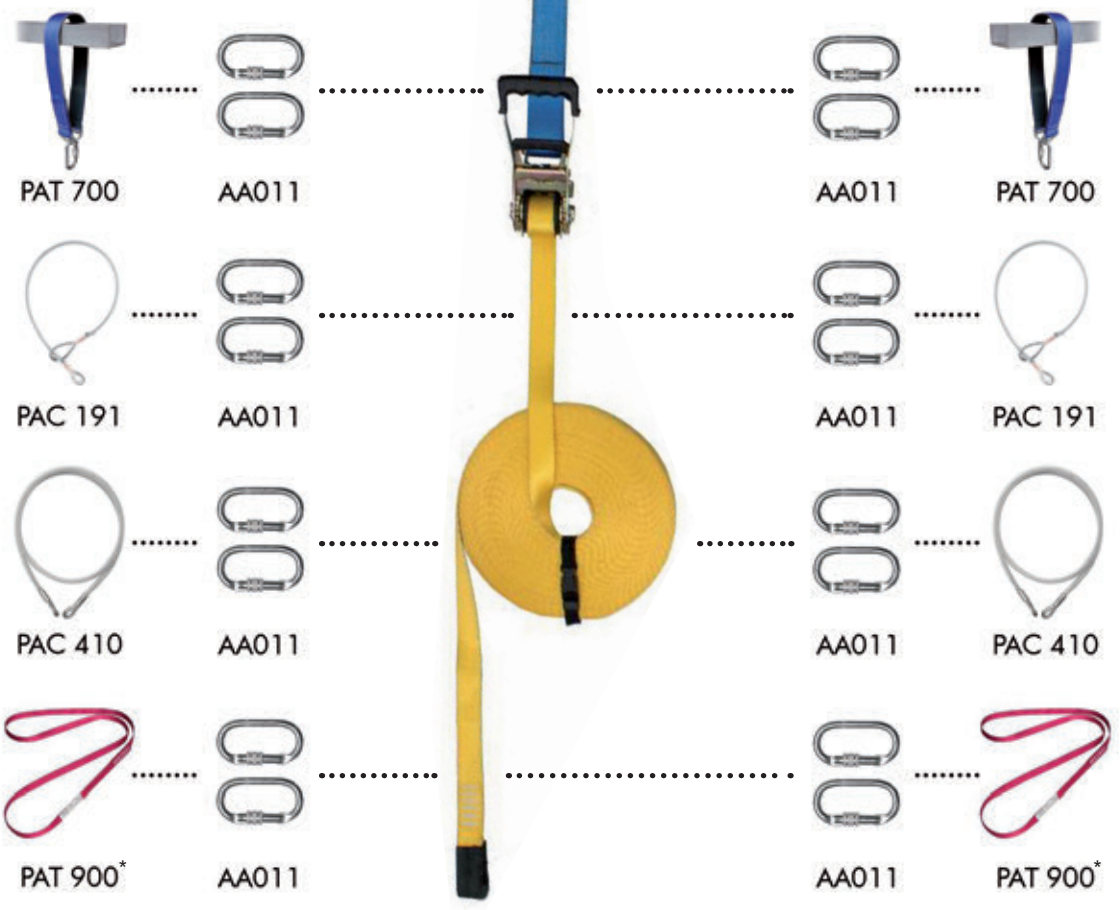


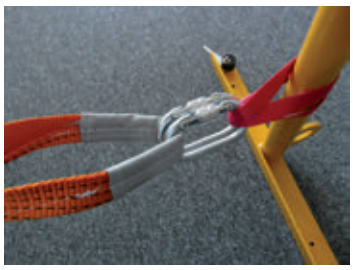
Up to 3 people simultaneously

Combinations suitable for 3 people:

IN CONCRETE


ON EXISTING STRUCTURES



* In case of the PAT 900 anchorage point, it must be mounted in a double way as shown in these photographs.

CE EN 795-B

## CONNECTORS

### AA011

Carabiner made of galvanized steel.
Clip locking.
Ø18mm aperture.
Weight: 170g.

CE EN 362 25kN

### AA011T

Carabiner made of galvanized steel.
Automatic locking.
Ø18mm aperture.
Weight: 170g.

CE EN 362 20kN

### AA012T

Carabiner made of aluminium alloy.
Automatic locking.
Ø18mm aperture.
Weight: 90g.

CE EN 362 25kN

### AA014T

Carabiner made of aluminium alloy.
Automatic locking.
Ø24mm aperture.
Weight: 80g.

CE EN 362 20kN

### AA017T

Carabiner made of galvanized steel.
Automatic locking.
Ø25mm aperture.
Weight: 200g.

CE EN 362 20kN

### AA019T

Carabiner made of aluminium alloy.
Automatic locking.
Ø27mm aperture.
Weight: 80g.

CE EN 362 20kN

### AA111

Hook made of aluminium alloy.
Automatic locking.
Ø45mm aperture.
Weight: 220g.

CE EN 362 20kN

### AA090

Oval quick link made of stainless steel.
Clip locking.

CE EN 362 20kN

### AA002

Hook made of galvanized steel.
Automatic locking.
Ø18mm aperture.
Weight: 220g.

CE EN 362 20kN

### AA022

Hook made of galvanized steel.
Automatic locking.
Ø50mm aperture.
Weight: 500g.

CE EN 362 20kN

### AA023

Hook made of aluminium alloy.
Automatic locking.
Ø60mm aperture.
Weight: 480g.

CE EN 362 20kN

### AA024

Hook made of aluminium alloy.
Automatic locking.
Ø100mm aperture.
Weight: 920g.

CE EN 362 20kN

## AA025

Hook made of galvanized steel.
Automatic locking.
Ø80mm aperture.
Weight: 800g.

CE EN 362 20kN

## AA125

Hook made of aluminium alloy.
Automatic locking.
Ø90mm aperture.
Weight: 460g.

CE EN 362 20kN

## AA200

Collar connector.
Length: 340 to 440 mm. Aperture: 81 to 140 mm, depending on the model.

CE EN 362 20kN

# POLLEYS

## PO 101

Polley made of galvanized steel and composite.
Dimensions: 133x56x128mm
Max. Ø of the rope: 12 mm. Load limit: 5kN.

## PDC 101

Double polley made of aluminium. Max. Ø of the rope: 13 mm.
Dimensions: 103x90x33 mm.
Load limit: 4,8kN

CE EN 12278

## PO 430

Polley of aluminium.
Dimensions: 119x82x37mm
Weight: 257 g.
Max. Ø of the rope: 15 mm. Load limit: 6kN

## PO 431

Polley of aluminium with 2 trolleys. Dimensions: 139x82x70 mm.
Weight: 470 g.
Max. Ø of the rope: 15 mm. Load limit: 6kN.

# ANCHORAGE POINTS

These devices make possible to connect our lifelines, positioning lanyards, etc.
In case of fixed anchorage points, this connection will take place on a fixed surface or tough structure, so that it won't be able to remove them again.
In case of temporary anchorage points, as the fixed ones too, we can connect our devices to a fixed surface or tough structure. However it is possible to dismantle them, so that they can be assembled and disassembled depending on the user needs.

**ANCHORAGE POINTS accesus:**

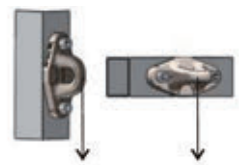
* Fixed anchorage points.
* Temporary anchorage points.

## FIXED ANCHORAGE POINTS

### PAF 150

Fixed anchorage point made of aluminium.
Dimensions: 135x60x2,8 mm.
Weight: 300 g.
Workload: 12kN

CE EN 795A



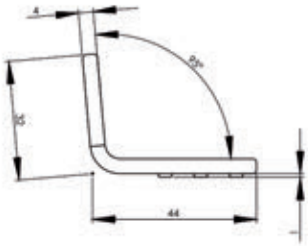
Load directions

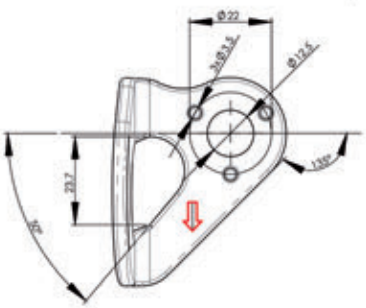
### PAF 180

Fixed anchorage point made of stainless steel.
Dimensions: 56x48x35 mm.
Weight: 65 g.
Workload: 12kN

CE EN 795A


Load direction



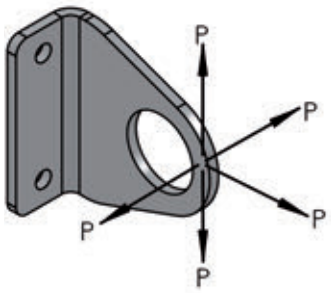



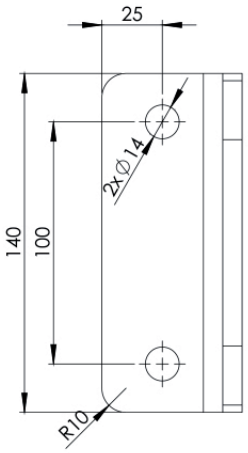
# PAF 153

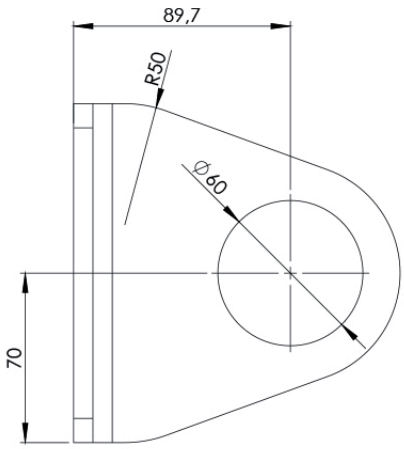
Fixed anchorage point made of stainless steel. Perfect to anchorage horizontal lifelines for 3 people.
Dimensions: 140x135x58 mm.
Weight: 1.100 g.
Workload: 32kN

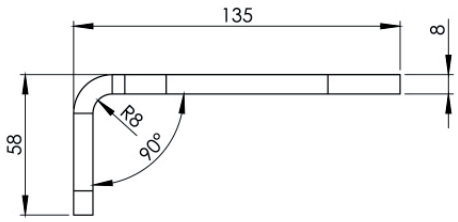
CE EN 795A

Load direction



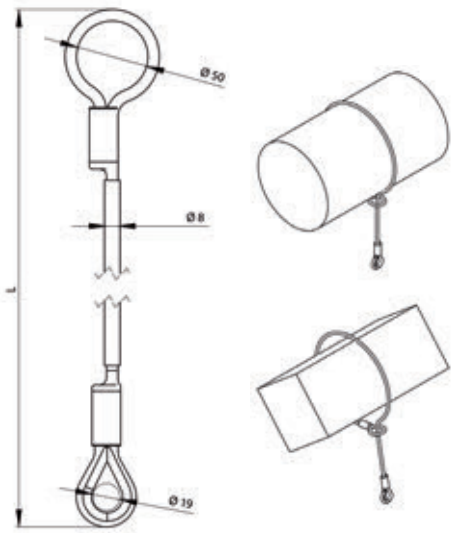



## TEMPORARY ANCHORAGE POINTS

### PAC 191

Anchorage point made of steel wire rope with plastic protector.
Ø8 mm. Length: 1 m and 3 m.
Workload: 30kN

CE EN 795B




### PAC 410

Lanyard made of steel with plastic protector and 2 identical eyelets to connect with carabiner.
Ø8 mm. Length: 0,5 - 1 - 2 - 3 - 5 m.
Workload: 15kN

CE EN 795B - EN354

### PAT 700

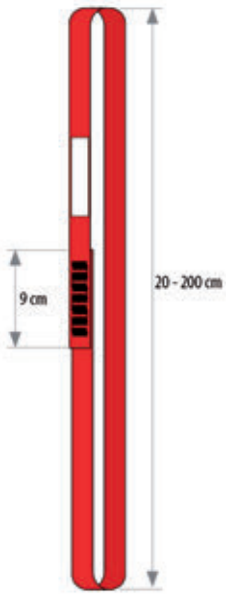
Strap made of polyester and polyamide of 45 mm wide.
Length: 0,9 - 1,4 - 2 m.
Workload: 30kN

CE EN 795B

## PAT 900

Anchorage point with polyester strap of 20 mm wide.
Length: 0,3 - 0,6 - 0,8 - 1,2 - 1,5 - 2 m.
Workload: 22kN

CE EN 795B - EN354 - EN566

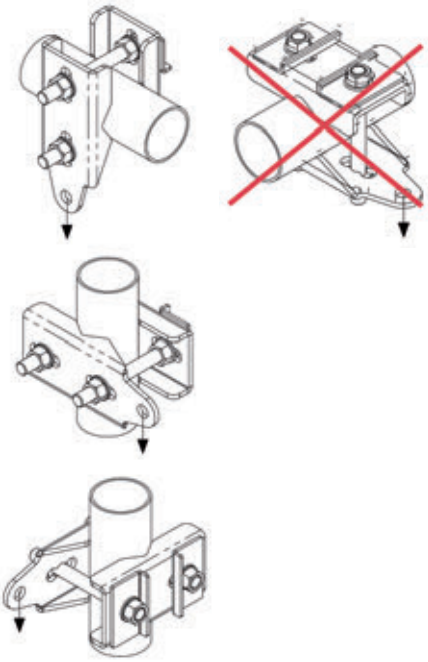



## PAT 340

Anchorage point for structures.
Weight: 2.500 g.
Made of stainless steel.
Clamping range: 75-140mm.
Workload: 12kN

CE EN 795A

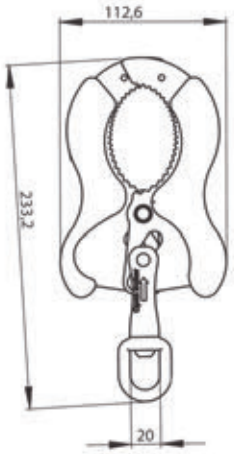
Direcciones de carga.



## PAT 300

Anchorage point for structures.
Weight: 880 g.
Made of stainless steel.
Diameter: 52 mm.
Workload: 12kN

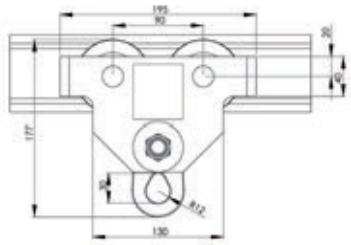
CE EN 795B

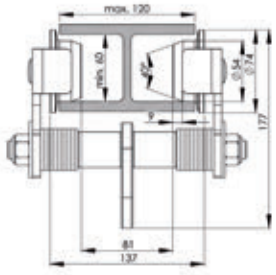


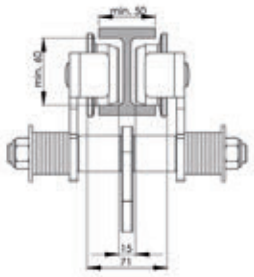

## PAT 10

Movable temporary anchor for beam.
Adjustable to the beam width between 50 m and 120 mm.
Painted steel.
Weight: 5,2 Kg.

CE EN 795B



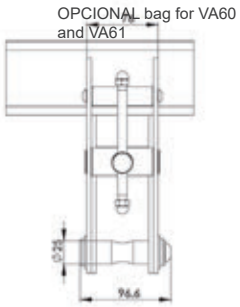


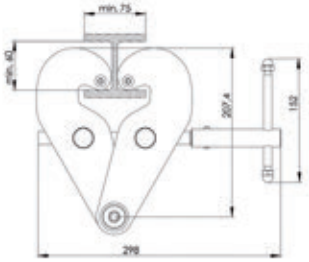


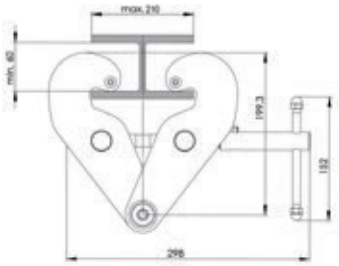
## PAT 20

Temporary anchor clamp.
Adjustable to the beam width between 75 m and 210 mm.
Painted steel.
Weight: 4 Kg.

CE EN 795B



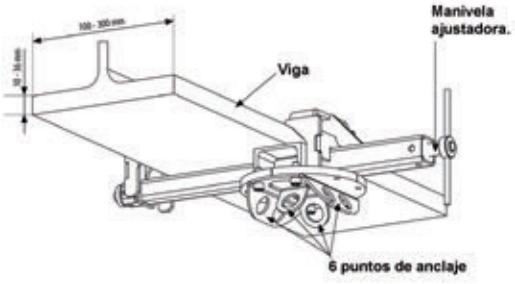



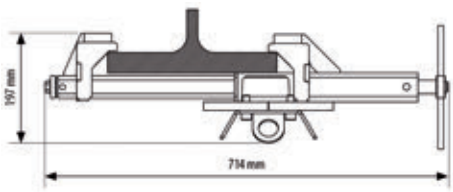


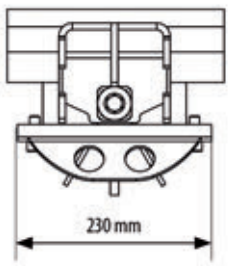
## PAT 30

Anchorage point for beams with 6 anchorage points for 6 people simultaneously.
Max. aperture: 300 mm.
Adjustable to the beam width between 100 m and 300 mm.

CE EN 795B



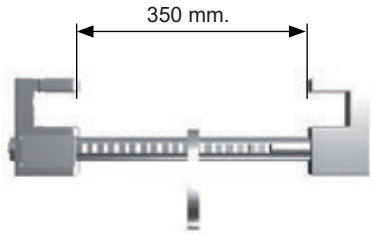



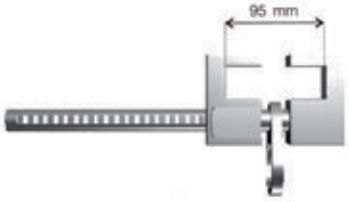



## PAT 250

Temporary anchorage point. Adjustable to the width of the beam flange between 95 m and 320 mm.
Made of aluminium.

CE EN 795B

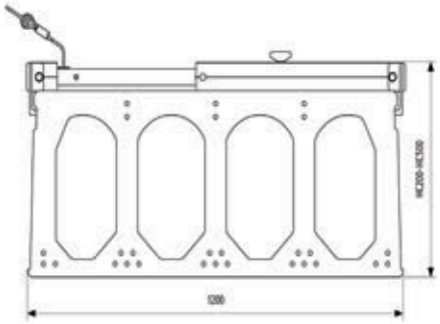


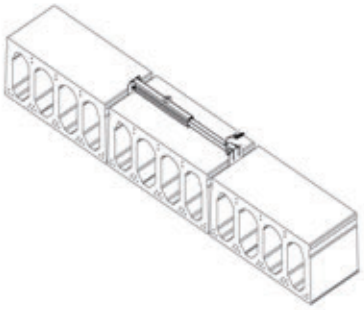




## PAT 251

Temporary anchorage point made of aluminium to hold prefab bricks blocks for floor structures. Max. aperture: 1200 mm. Suitable for working 3 people simultaneusly.

CE EN 795B

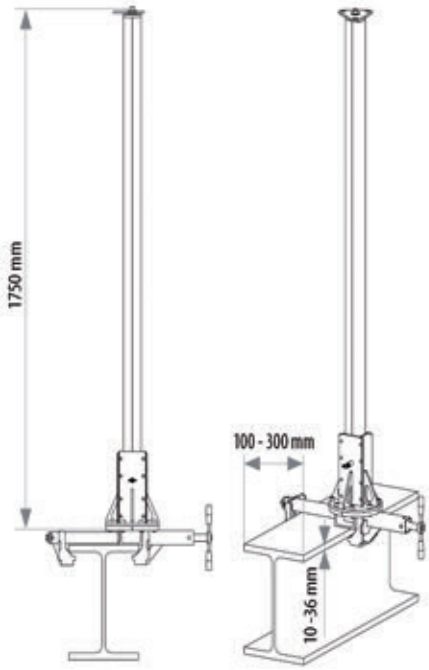




## PAT 6

Temporary anchorage point for metal framing.
Made of aluminium. Minimum height: 1,75 m.
Aperture from 100 m to 300 mm.

CE EN 795A



# VA60 - VA61 - VA62

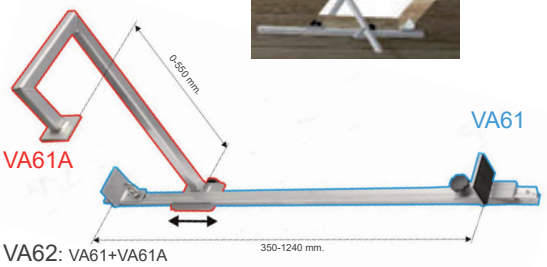
Temporage anchorage point for 1 person. Suitable for maintenance work, overhangs cleaning, windows cleaning, etc. It has to be fixed to a door frame, where the anchorage point must be adjusted. Includes adjustable plates with a width between 350 mm and 1.240 mm (for VA60 beam) and between 300 mm and 1.270 mm (for VA61 beam).
The VA60 beam is made of galvanized steel while the VA61 beam is made of aluminium.
The VA62 beam is a set of VA61 and VA61A.

CE EN 795B


VA60


VA61

OPCIONAL bag for VA60 and VA61

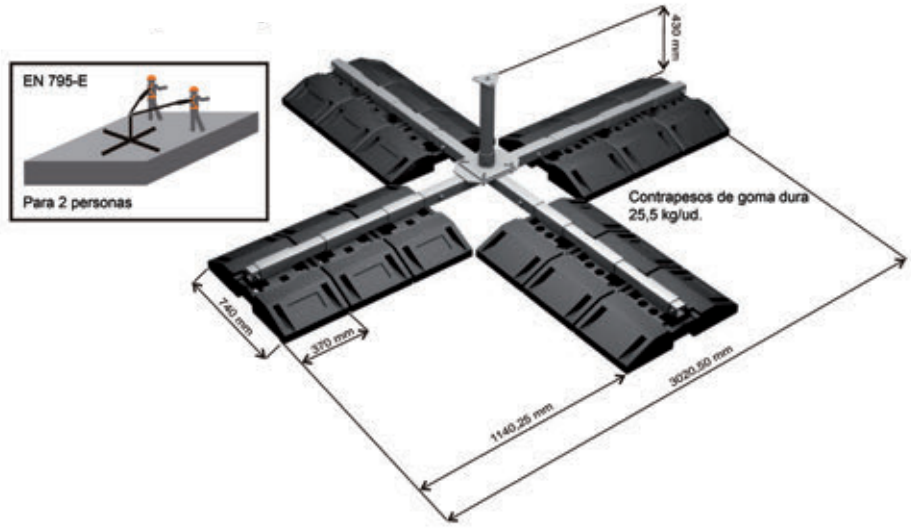


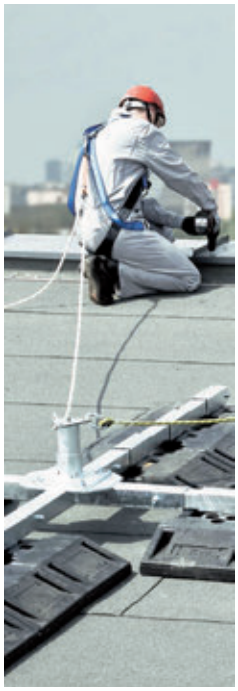

VA62: VA61+VA61A

# BAM 200

Dead-weight anchorage base for 2 people.
Set weight: 374 kg. Unit weight: 25,5 kg.
Made of galvanized steel of zinc and heavy rubber.
Dimensions: 3.020,5 x 3.020,5 x 400 mm.

CE EN 795E



These products are specially designed to be used vertical works where the worker can rest sitting during the vertical position. A complete range is available: ergonomic work seats, lightweight, with vertical movement possibility.

## SIBA100

Suspended work seat with a padded base, adjustable buckles for straps and 3 tool belts.

## SIBA200

Suspended work seat with rigid board and padded base. With adjustable buckles for straps and adjustable belt for the worker. Includes 3 carabiners.

## SD10

Suspended work seat, lightweight and cost-effective, easy to transport, manual lifting.
Gear reduction 1:5 and bracking device.
Length: 20 m - 30 m - 40 m.

## ACCESSORIES FOR VERTICAL WORK

### BCDL 201

Ventral blocker of 135 gr, lightweight, for ascent manouvers. Suitable for a 10Ø to 12Ø rope.

CE EN 567

### BCDL 211 / BCDL 212

Handled ascender of 205 gr, lightweight for semi-static rope, designed with ergonomic grip. Available to be used with right or left hand.

CE EN 567

### PM 402

Multi-anchor plate with a main point with 2 additional holes and 5 connection holes. Load capacity: 50kN.

### PM 403

Multi-anchor plate with 8 holes on one side and 5 holes on the other side of Ø20mm. Load capacity: 50kN.

### PM 401

Multi-anchor plate with one main point and connection 3 holes of Ø20mm.
Load capacity: 36kN.

### CU 1310105

Semi-static rope of Ø 10,5 mm delivered by the meter.

CE EN 1891A

### PH 003

Retractable tool lanyard of 115 cm.
Weight: 2 kg.

### BLS 502

Canvas tool bag with external pocket.
Dimension: 30x40 cm.

### BLS 10

Canvas bag of 60x45x45cm. Zipper closure. Adjustable straps and inside pocket.

### BLS 501

Canvas tool bag.
Dimension: 24x30cm.

## ROPE PROTECTORS

### TU 321

Reinforced protector for rope.
Length: 1 meter.

### PC 907

Rope protector made of aluminium and stainless steel.
Length: 90 m, 300 m and 405 mm.

## ROPE LADDERS

### EC 10

Rope made of polyamide of Ø10,5 mm with aluminium steps. Easy to transport and store.
Available length: 5 m, 10 m, 15 m, 20 m, 25 m and 30 m. It is possible to connect flights of stairs in a row using connectors and special stoppers to a maximum of 100 m.
Static strength: 200 kg.

## HELMETS

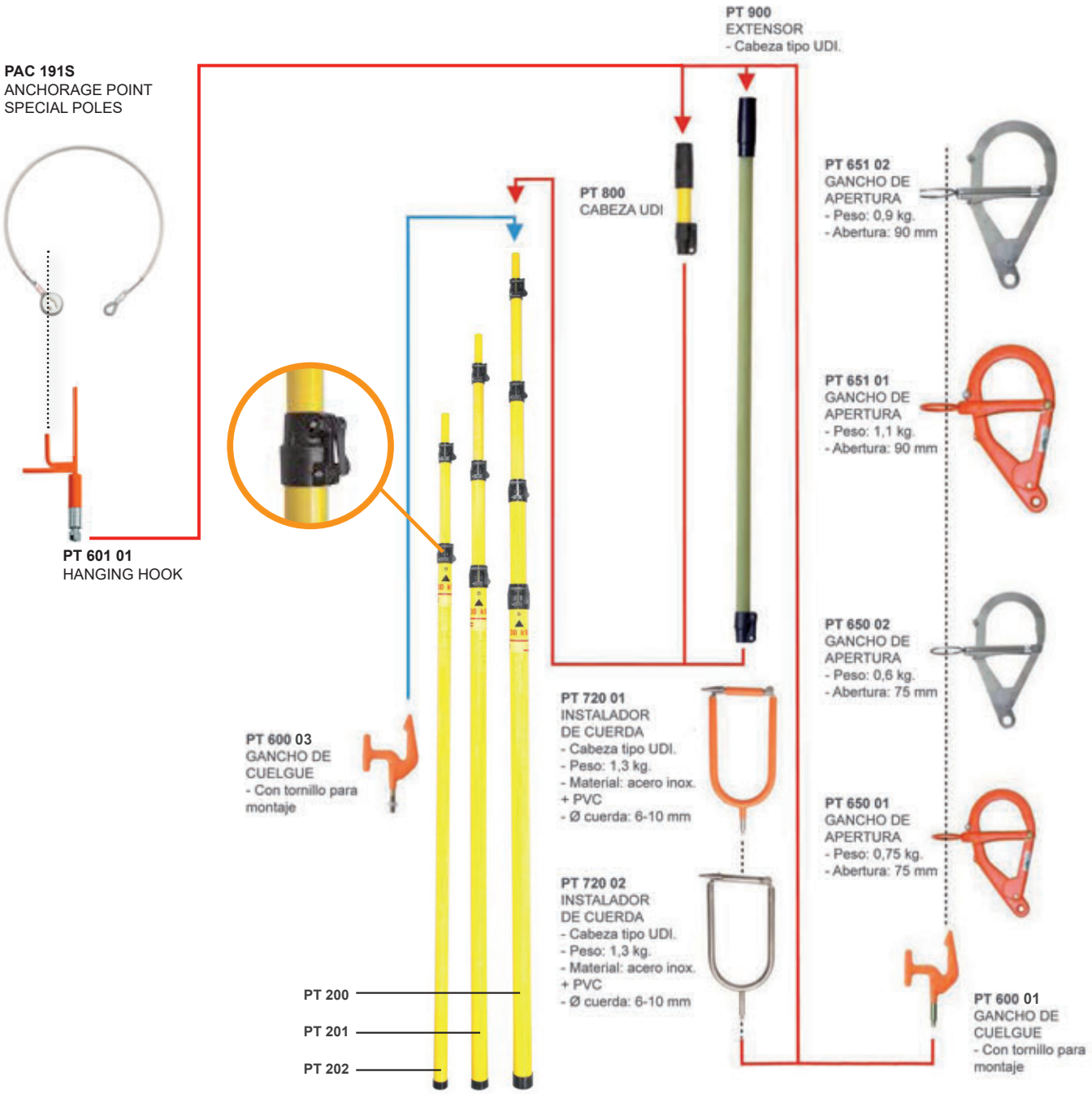
### AEL

Safety helmet for industry.
Interior harness made of fabrics with 6 anchorage points and one frontal band for sweating.
Rear wheel for right adjustment as well as side ventilation to reduce the temperature inside.
The chin strap has 4 anchorage points to insure that the helmet fits properly and it won't fall down.
Electrical insulation: 1.000v. Low-temperature resistance (-30º).
This helmet exceeds the EN397 requirements due to its lightweight housing made of ABS.
Impact resistance of 50 Joules.
Weight: 300 gr.
Size: 530-640 mm.

CE EN 397

# PT200 - PT201 - PT202

The PT200 pole is specially recommended to connect our temporary lifelines with an anchorage point or fixed lifeline, which is located at great height, since it has an extension capacity over 8m.

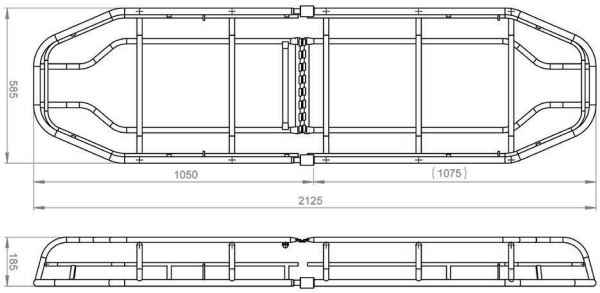



| | Maximum range | Maximum length | Minimum length | Weight | Maximum load | Voltage support |
|---|---|---|---|---|---|---|
| PT200 | 8,88 m. | 7,38 m. | 1,96 m. | 4,17 kg. | 5 kg. | 30kV |
| PT201 | 7,50 m. | 6 m. | 1,85 m. | 2,70 kg. | 5 kg. | 30kV |
| PT202 | 5,78 m. | 4,28 m. | 1,80 m. | 2,38 kg. | 5 kg. | 30kV |

## CR 30

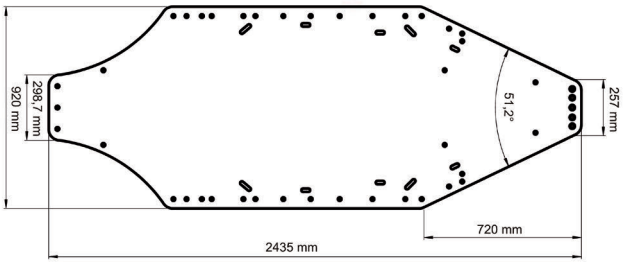
Stretcher with tubular structure, with grating and stiffening plastic board.
Easily dismantled in 2 pieces due to a a screw system. Includes 4 straps to hold the injured.
Material: stainless steel + plastic. Weight: 16 kg.

Desmontable en 2 mitades




## CR 20

Foldable stretcher perfect for confined spaces of limited access.
The person can be rescued in vertical or horizontal position.
Includes handles, straps, rope and bag.
Material: PVC + PS + stainless steel. Weight: 6 kg.




## STANDARDS

- **EN 341 STANDARD**. Descender devices for rescue. Personal protective equipment (PPE) against falls from a height. This European Standard specifies requirements, test methods, marking and information regarding the use of descender devices as rescue equipment with a personal fall protection equipment (fall arrest harness) or a rescue equipment (rescue harness).
- **EN 353-1 STANDARD**. Guided type fall arresters including a rigid anchor line. PPE Category III. This European Standard specifies requirements, test methods, marking and information regarding the use of guided type fall arresters including a rigid anchor line, which is generally fixed or incorporated to ladders or lifting systems that are properly fixed in appropiate structures.
- **EN 353-2 STANDARD.** Guided type fall arresters including a flexible anchor line. PPE Category III. This European Standard specifies requirements, test methods, marking and information regarding the use of guided type fall arresters including a flexible anchor line, which is fixed on an upper anchorage point. Guided type fall arresters which meet this standard are used with fall arrest systems that are specified in EN361 Standard.
- **EN 354 STANDARD**. Lanyards. Personal protective equipment (PPE) against falls from a height. Lanyards are connecting elements or components of a system like, for example, ropes of synthetic fibres, wire ropes, straps or chains. This European Standard specifies requirements, test methods, information regarding the use, marking and packaging of fixed and adjustable lanyards. Lanyards which meet this standard are used with fall arrest systems that are specified in EN363 Standard.
- **EN 355 STANDARD**. Energy absorbers. Personal protective equipment (PPE) against falls from a height. Energy absorbers are components of a fall arrest system that ensure the safety stop of a fall from a height under normal conditions of use. For its use it is required a safe anchorage point with a minimum necessary clear distance under the worker, which is the sum of the stopping distance plus an additional distance of 2,5 m. The last distance includes the lengthening of the harness and the free space situated under the worker feet after he has stopped.
- **EN 358 STANDARD**. Belts for work positioning and restraint and work positioning lanyards. Personal protective equipment (PPE) for work positioning and prevention of falls from a height. They are used to keep the worker fully safe in his work positioning as well as to prevent any point where a fall can occurs. It is very important to take into account that a personal protective equipment with these characteristics is not intended to meet the requirements demanded for stopping a fall. It may be necessary to complement this with other individual or collective means of protection. In practice, its use with complete safety depends on the proper training of the user.
- **EN 360 STANDARD**. Retractable fall arrest devices. Personal protective equipment (PPE) against falls from a height. Retractable fall arrest devices are fall arrester with an automatic blocking function and an automatic tensioning + recall system for the lanyard. In other words, we could say it is a retractable lanyard. An element of energy dissipation can be incorporated into the device or the retractable lanyard.
- **EN 361 STANDARD**. Safety harness. Personal protective equipment (PPE) against falls from a height. Safety harness is a full body device used to stopp falls. It is a component in a fall-arrest system. A safety harness can include bands, adjustment elements, buckles and other components that are properly adjusted to the user's body in order to hold this person during a fall situation and after the fall has stopped.
- **EN 362 STANDARD**. Connectors. Personal protective equipment (PPE) against falls from a height. Connectors are connection elements or components of a system. They can be carabiners or a hooks (connectors with an automatic locking mechanism and automatic and manual blocking). Connectors with manual blocking are suitable when the user does not have to connect and remove the hook repeatedly while he is working.
- **EN 795 a1 STANDARD**. Anchor devices. PPE Category III. They are anchor devices designed to be fixed by means of a structural anchor on vertical, horizontal surfaces like walls, pillars, roofs, ceilings or any structure place. Its design must allow to connect a PPE against falls through the appropriate and compatible connector, so that it cannot be disconnected unintentionally. It is a protection system for confined spaces to carry out material and rescue handling operations. It is possible to connect different users to different heights.
- **EN 795 a2 STANDARD**. Anchor devices. PPE Category III. They meet the same requirements than the Class A1 anchor devices. However this design allow them to be fixed on sloping roofs and it must allow to connect a PPE against falls. The design must allow to connect a PPE against falls through the suitable and compatible connector, so that it can't be disconnected unintentionally.
- **EN 795 b STANDARD**. Anchor devices. PPE Category III. They are provisional and movable anchor devices. The design must allow to connect a PPE against falls hrough the appropriate and compatible connector, so that it can't be disconnected unintentionally.
- **EN 813 STANDARD**. Harnesses for suspension work. Harnesses for suspension work are intended to be used in restraint systems where a low connection point is required. They include a set of bands, ironworks, buckles and other components that form a belt with a low connection point. Together with these supports that surround each leg, it is possible to hold the body of a conscious person in a sitting position. Sit harnesses may include straps or be integrated in a suit. They must not be used for stopping a fall.
- **EN 1496 A STANDARD**. Rescue lifting devices. Personal protective equipment (PPE) against falls from a height. They are designed to lift workers during a rescue operation. They can be combined with other components or subsystems like descent devices according to EN 341 or retractable fall arrest devices according to EN360.
- **EN 1496 B STANDARD**. Rescue lifting devices. Personal protective equipment (PPE) against falls from a height. They allow to lift a person during a rescue operation as well as a descent length of 2 m. They can be combined with other components or subsystems like descent devices according to EN 341 or retractable fall arrest devices according to EN360.
- **EN 1497 STANDARD**. Rescue harnesses. Personal protective equipment (PPE) against falls from a height. They can be designed only for rescue use or can be incorporated into designs of other harness models for protection against falls (fall arrest harness). Rescue harnesses are not intended to be used as a body pressure device in fall arrset systems.
- **EN 12841 STANDARD.** Rope access systems. Rope adjustment devices. Personal protective equipment (PPE) against falls from a height. They are used together with the anchor lines (working or safety ones) of a rope. Devices of rope adjustment are intended to be used by connecting sit harnesses or fall arrest harnesses to a working line or a safety line in order to allow access, exit or change of the working position as well as to hold or protect against falls.

accesus

Accesus S.L.
C/ Energía, 54 08940 Cornellà de Llobregat.
(Barcelona) España.
Telf. (+34) 93 475 17 73
accesus@accesus.es www.accesus.es