





Access the inaccessible

Petzl's mission is to create innovative solutions, tools or services that help people progress in vertical or dark environments. Our goal is to continuously strengthen our expertise in these two areas.

Its reason for being resides in the notion of accessing the inaccessible, a notion that is at the heart of the daily life of vertical and rope access professionals.

This translates into a determination to constantly search for solutions to your needs in terms of performance, ergonomics, comfort and reliability. Your requirements in the field have been the foremost consideration in our approach to design and manufacturing over the last forty years.

The Petzl products presented in this 2015 catalog are the result of that work. We hope they will help you in your plans, projects and operations, day after day.

Paul Petzl

VERTICALITY

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LIGHTING

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Gardoni, CNR Génissiat dam on the Rhone, France © Petzl / Lafouche

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Warning

- You must have understood and retained the information from your products' Instructions for Use to be able to apply the techniques presented in this document
- Gaining an adequate apprenticeship in appropriate techniques and methods of protection is your own responsibility. Petzl solutions are given for information only, with no guarantee of their effectiveness in your specific working situation. The relevance of these solutions varies by context, so always do your own risk analysis in the field
- Mastering the techniques presented here requires specific training and practice; work with a specialized organization for all training activities

General information on falls

The risk of falling is a key concept to master when working at height. The severity of a fall depends on independent factors:

- **The weight of the user, including his equipment:**

The greater the weight, the more energy to be dissipated during the fall.

- **The length of the fall:**

The longer the fall, the more energy to be dissipated during the fall. The risk of hitting an obstacle is also greater.

- **The position in relation to the anchor:**

When the worker moves above his anchor, the severity of the potential fall increases. The fall factor concept is sometimes used to describe the position of the worker in relation to the anchor and the severity of the fall.

This concept applies to climbing, restraint, or work positioning situations, when a dynamic rope lanyard is used.

Precautions for the type of system used:

The Instructions for Use specify the limitations for use of equipment, particularly in terms of length of a fall and the position of the worker in relation to the anchor.

Anticipating rapid evacuation

- **Limiting the effects of inert suspension:**

In case of a fall where the worker loses consciousness or is incapacitated, inert suspension in the harness presents a mortal danger requiring urgent treatment. Work teams must be equipped and trained to quickly evacuate an injured team member.

- **Evacuating a victim without assistance:**

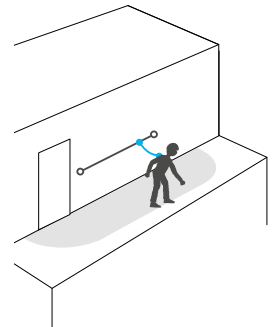
Procedures for evacuating workers should be determined whenever a new work site is established.

Releasable systems can be created during installation of working ropes to allow evacuation from below.

Working alone must be prohibited: a worker may find himself alone at height, but at least one person trained in evacuations should be present and equipped on site.

1. Restraint

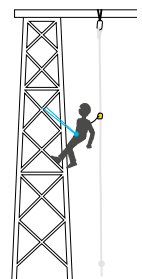
A restraint system limits the work zone, keeping the worker from entering an area that may present a risk of falling. This system is not designed to arrest a fall from height.



2. Work positioning

A work positioning system supports the user and allows him to position himself precisely, supported or suspended. This system is not designed to arrest a fall; the user must be under tension on his positioning system.

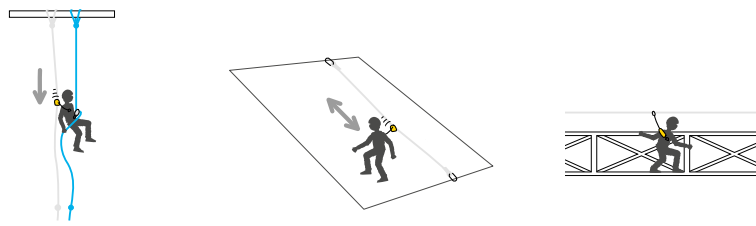
The work positioning system must be completed with a fall arrest system.



3. Fall arrest

The fall arrest system is a belay system that is independent of the progression or work positioning system, connected to the A (fall arrest) attachment point of the harness.

The fall arrest system doesn't prevent a free fall. Its role is to arrest it while limiting the impact force experienced by the user. It must therefore be used with enough clearance to allow for a free fall.



• Limiting the impact force: absorption of the energy of a fall:

A fall arrest system must ensure that the impact force experienced by the user is no more than 6 kN.

A fall arrest system usually has an energy absorber. It is designed to limit the impact force for a predefined maximum fall length, under the conditions specified in its Instructions for Use.

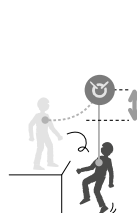
A dynamic rope lanyard has a low capacity for energy absorption. Its use requires great caution: reducing the length of a potential fall and staying in a work position below the anchor.

A sling lanyard or cable, with no capacity for energy absorption, can not be used to arrest a fall.

Example for 80 kg

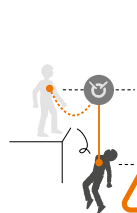
JANE or PROGRESS lanyard without energy absorber

Fall factor
0.5



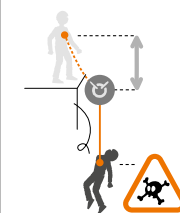
$F_c < 6 \text{ kN}$

Fall factor
1



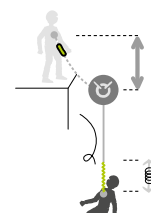
$F_c > 6 \text{ kN}$

Fall factor
2



$F_c > 6 \text{ kN}$

Lanyard with
ABSORBICA
energy absorber



$F_c < 6 \text{ kN}$

• Distance for fall arrest and clearance:

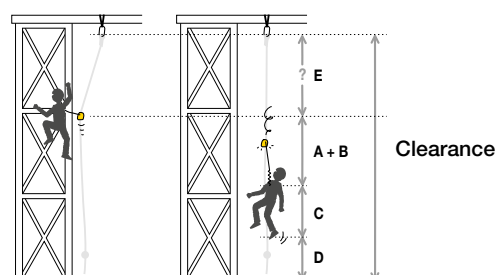
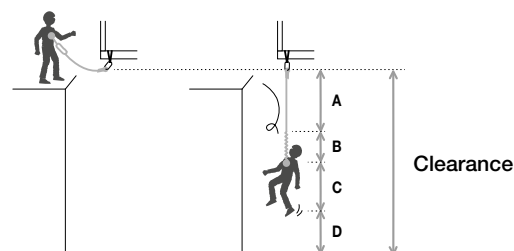
Clearance is the minimum amount of clear space below a fall arrest system that prevents the user from contacting any obstacle in case of a fall.

The required height varies with the system employed (energy-absorbing lanyard, mobile fall arrester...), with the user's weight, and with his initial position in relation to the anchor.

Clearance takes into account:

- The stopping distance of the mobile devices or the length of the lanyard (A)
- The tearing length of the energy absorber (B)
- The average height of the user (C)
- A safety margin (D)
- The potential elongation of the support (rope stretch) (E)

A clearance estimate is proposed in the Instructions for Use for each device.



Difficult access

Rope access work environments mostly involve significant heights, sometimes overhanging, and are incompatible with collective protection techniques. The work area is accessed with ropes by specialized operators, trained in rope access techniques. This can be done from the top (safer and simpler to set up), or from below (for example, a leader throws a rope up and around a fixed point, and then climbs up the rope, or uses rock climbing progression techniques). This is also the case for temporary operations where it is not practical to set up collective protection.

Confined spaces

Work done in confined spaces carries specific additional difficulties related primarily to the lack of space and to the lack of means of autonomous progression.



ASAP® LOCK

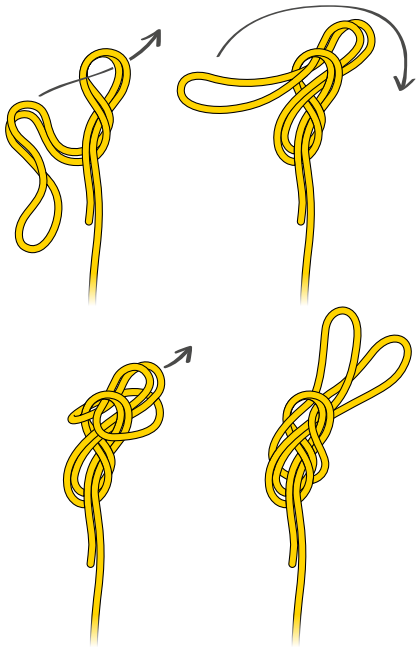
The ASAP LOCK mobile fall arrester has an integrated locking function that allows the user to immobilize the device to reduce the length of a fall. This function can also be used in very windy conditions to keep the rope from being blown upwards. This system is also undroppable when passing intermediate anchors.



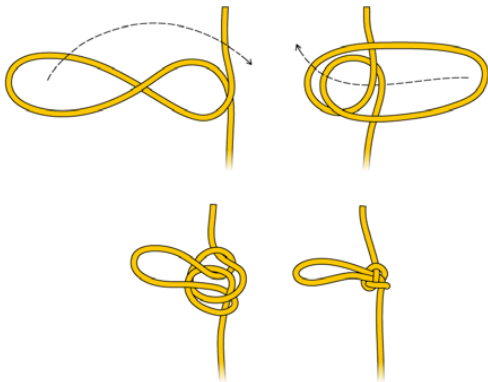
1. Installing ropes

Load-sharing anchors with the rope

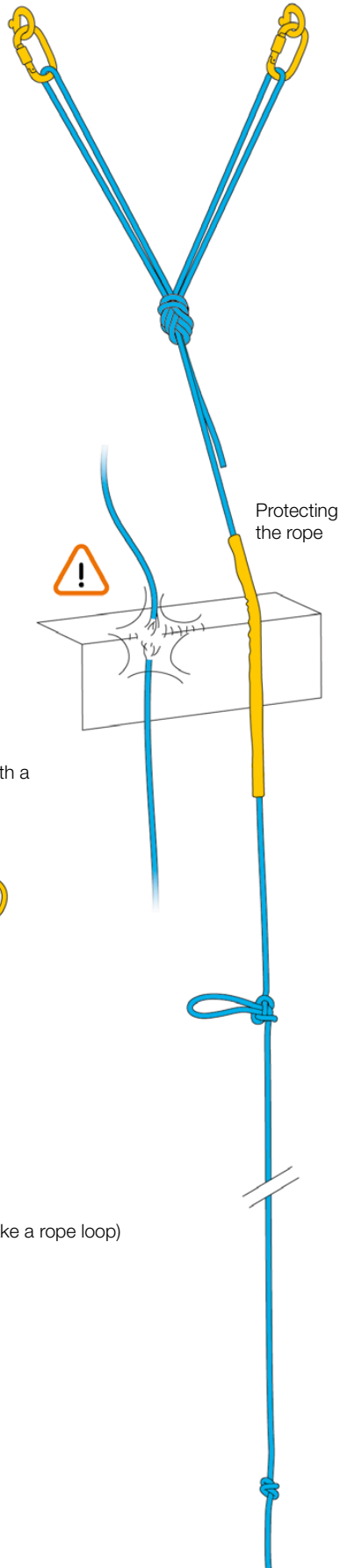
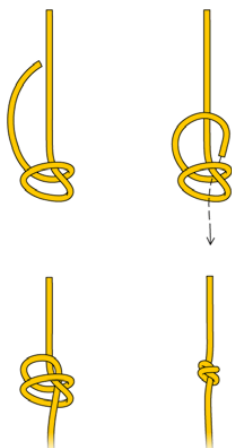
Bunny knot (for load-sharing anchors)



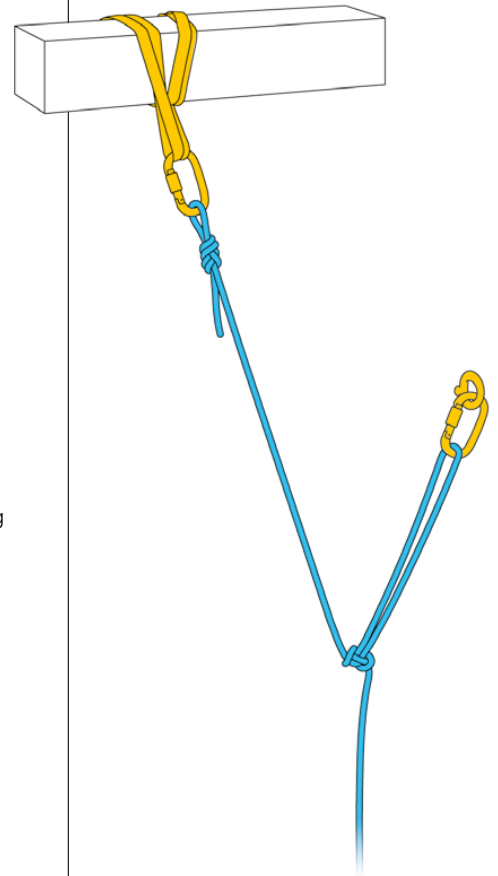
Special case: isolate a section of damaged rope with a butterfly knot



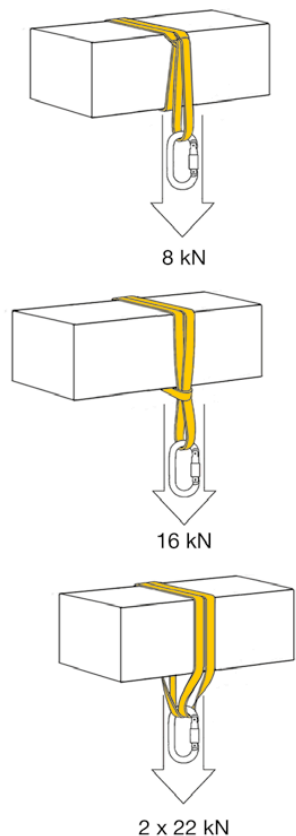
Double fisherman's knot (for the rope end or to make a rope loop)



Case with one anchor at a distance

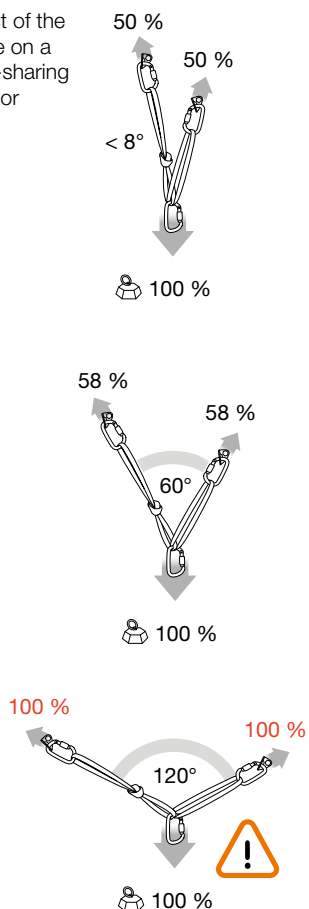


Anchor on a beam

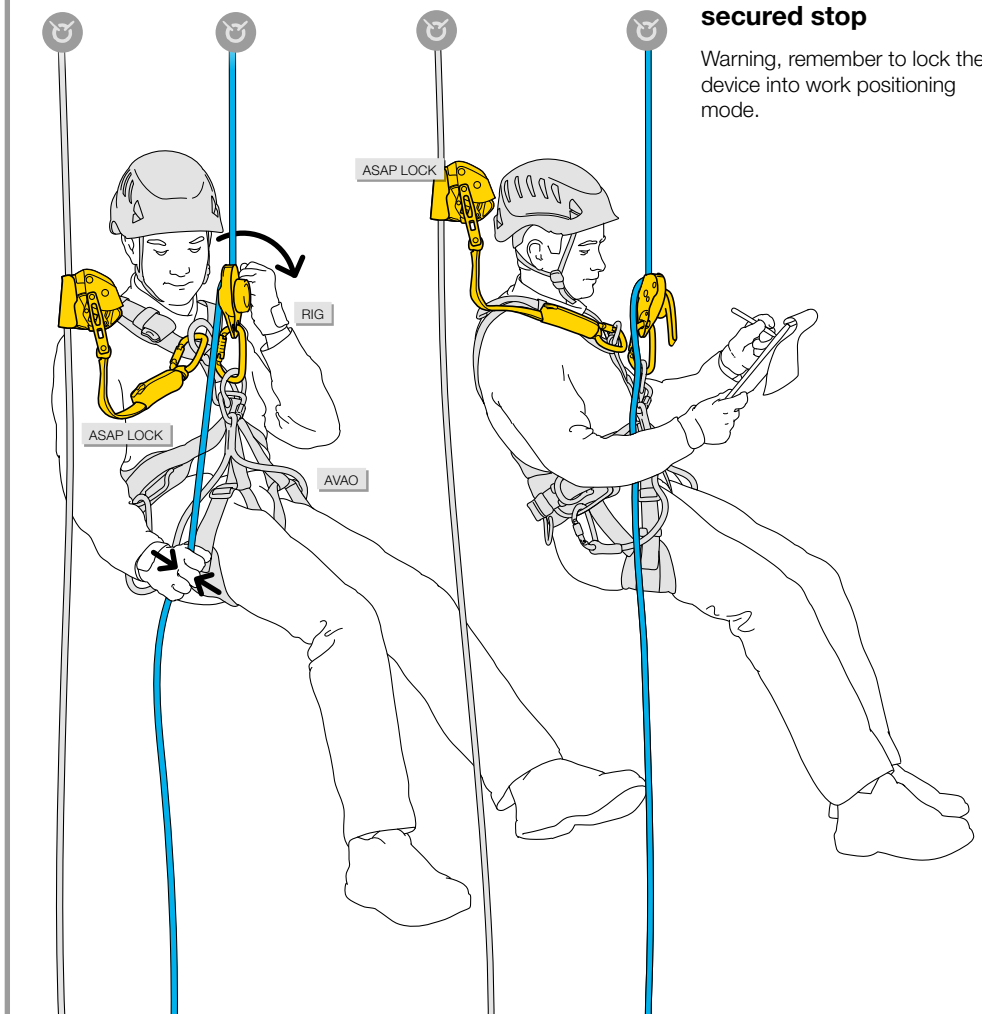


Load-sharing anchors with a sling

Effect of the angle on a load-sharing anchor



2. Descent

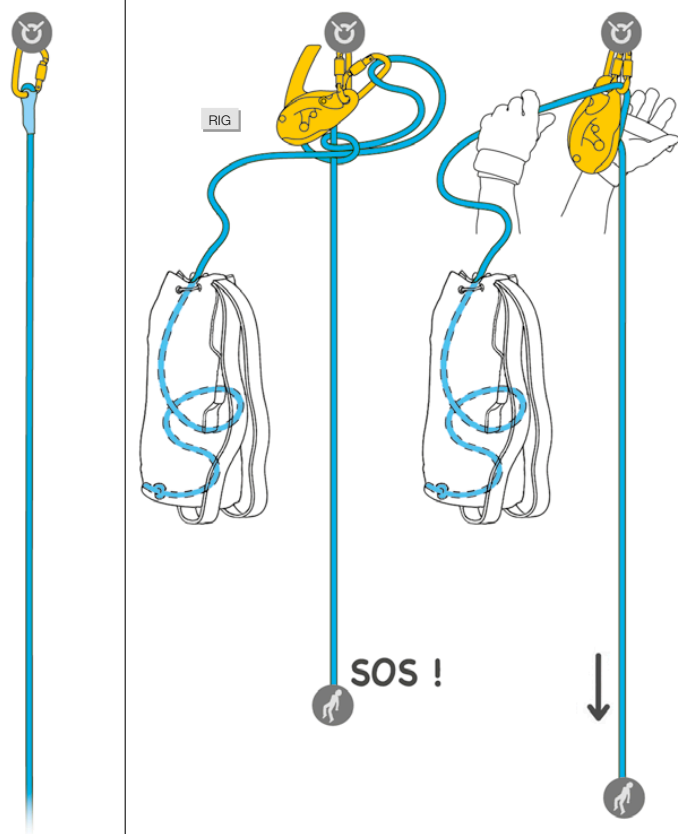


3. Work positioning - secured stop

Warning, remember to lock the device into work positioning mode.

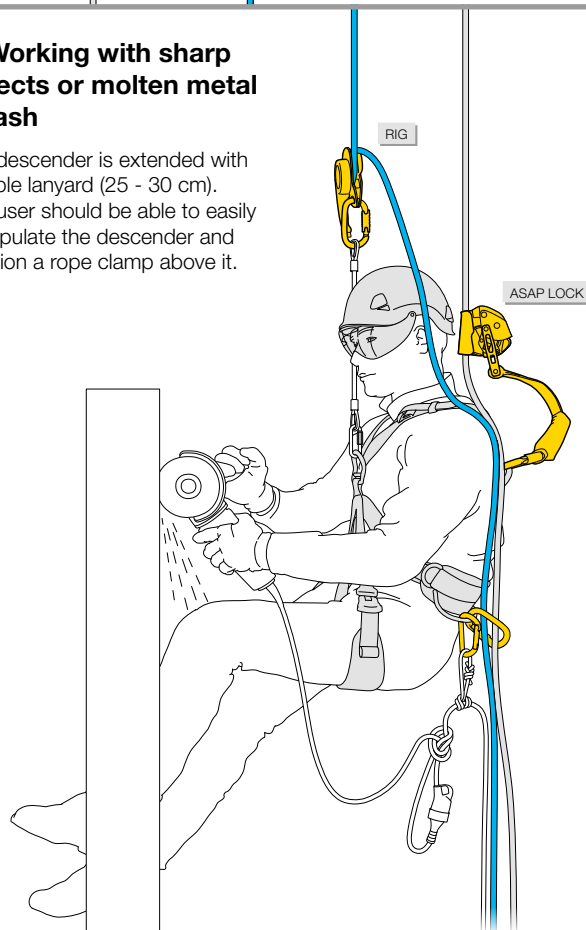
Fixed anchor

Releasable anchor



4. Working with sharp objects or molten metal splash

The descender is extended with a cable lanyard (25 - 30 cm). The user should be able to easily manipulate the descender and position a rope clamp above it.

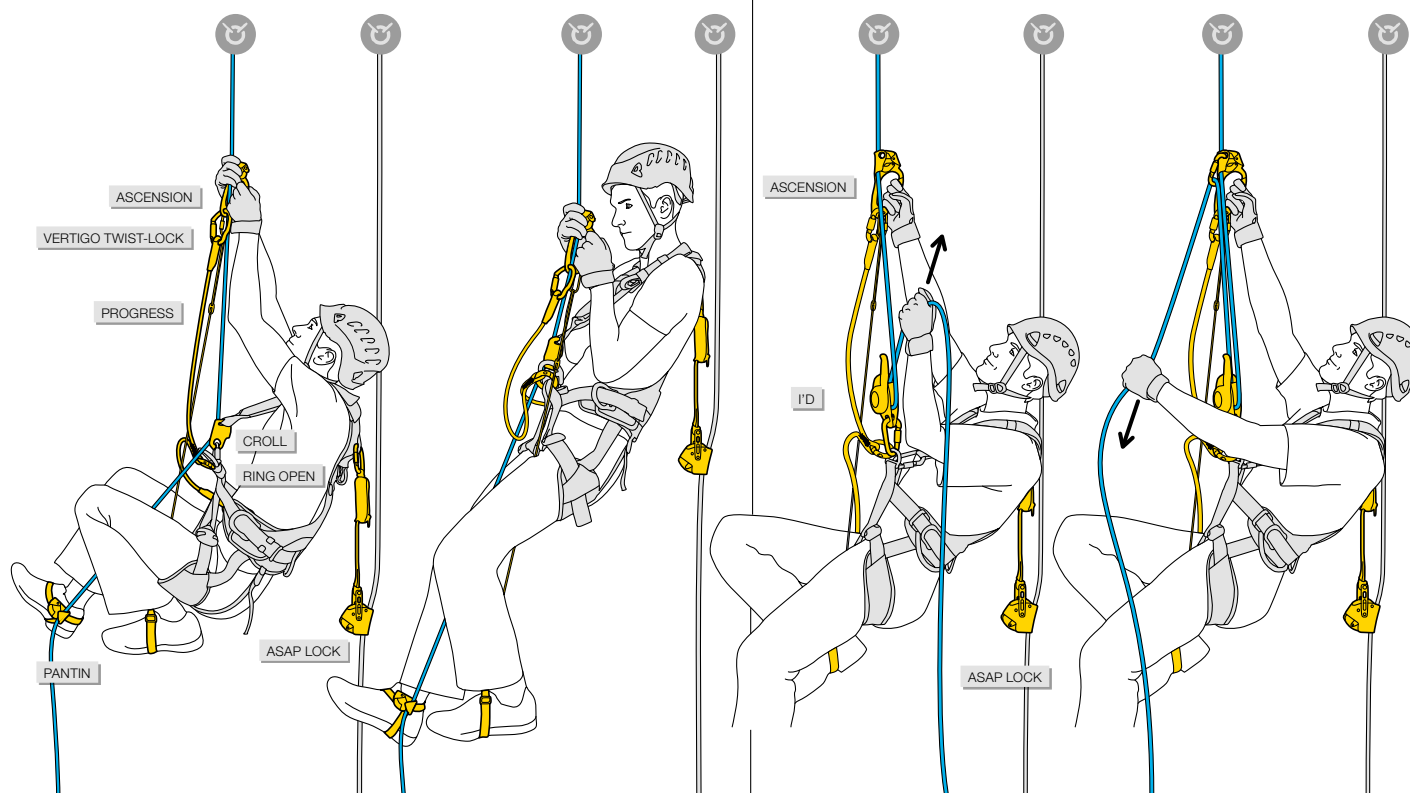


VERTICALITY

5. Ascent

Long rope ascent with ASCENSION handled rope clamp and PANTIN foot-mounted rope clamp (simultaneous technique)

Ascending a short distance of rope

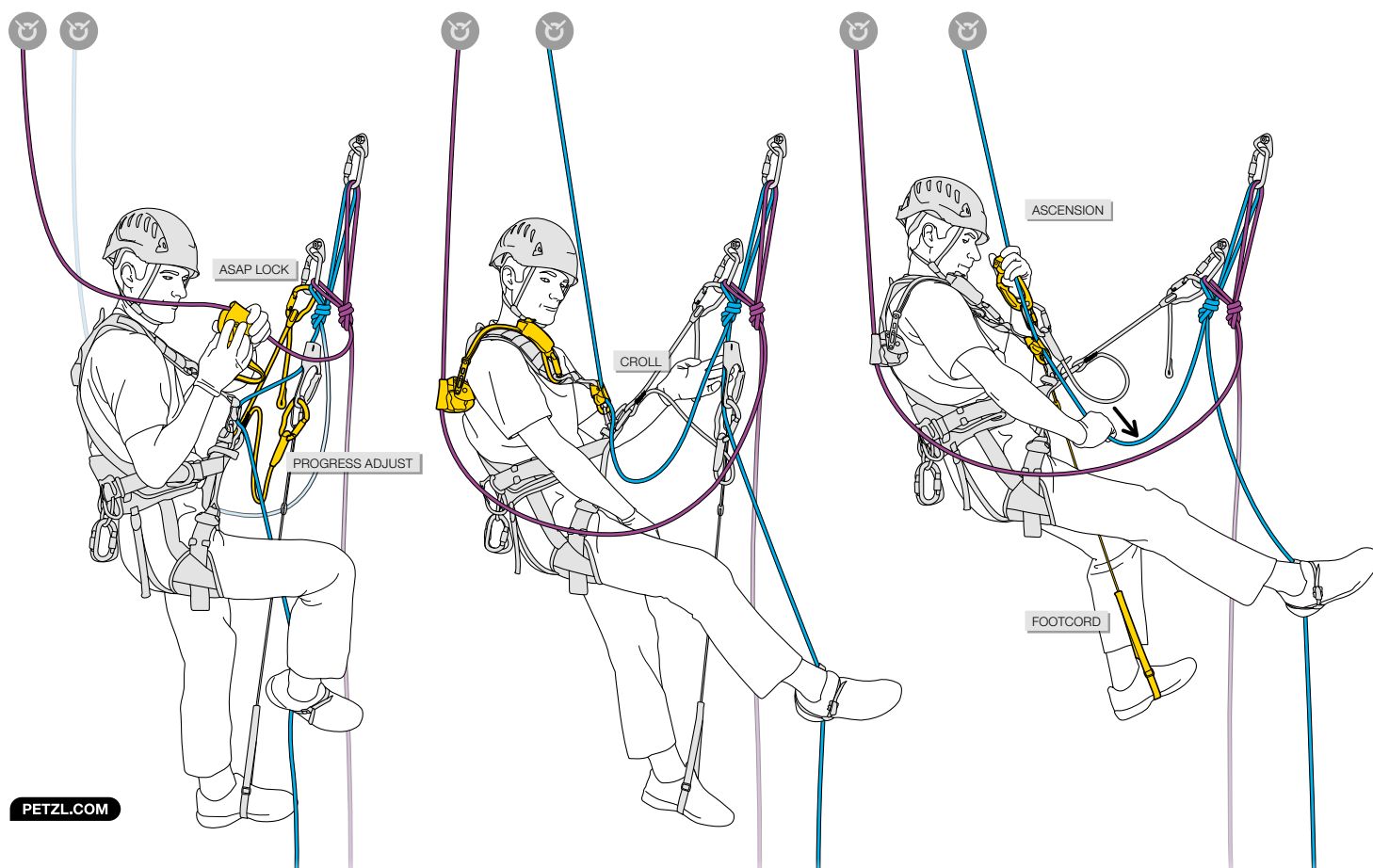


6. Passing a re-belay on ascent

1. Clip the lanyard into the re-belay and transfer the ASAP LOCK

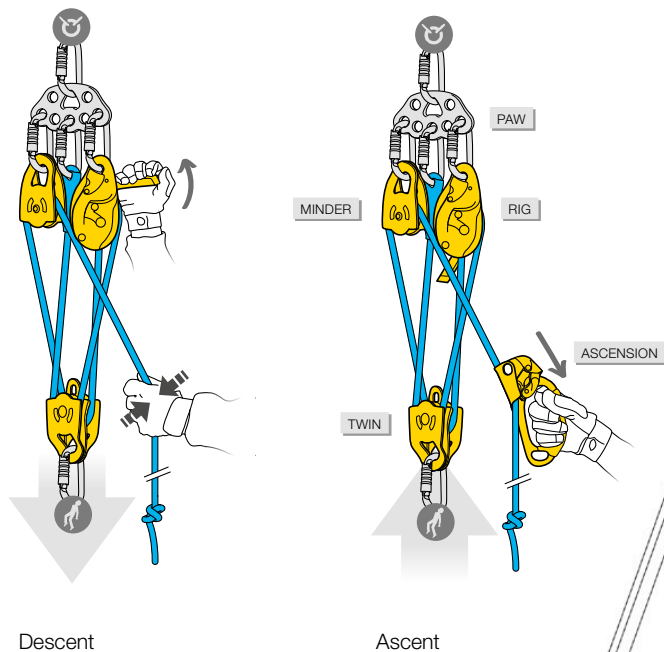
2. Weighting the foot loop, transfer the CROLL

3. Start the ascent and unclip the lanyard



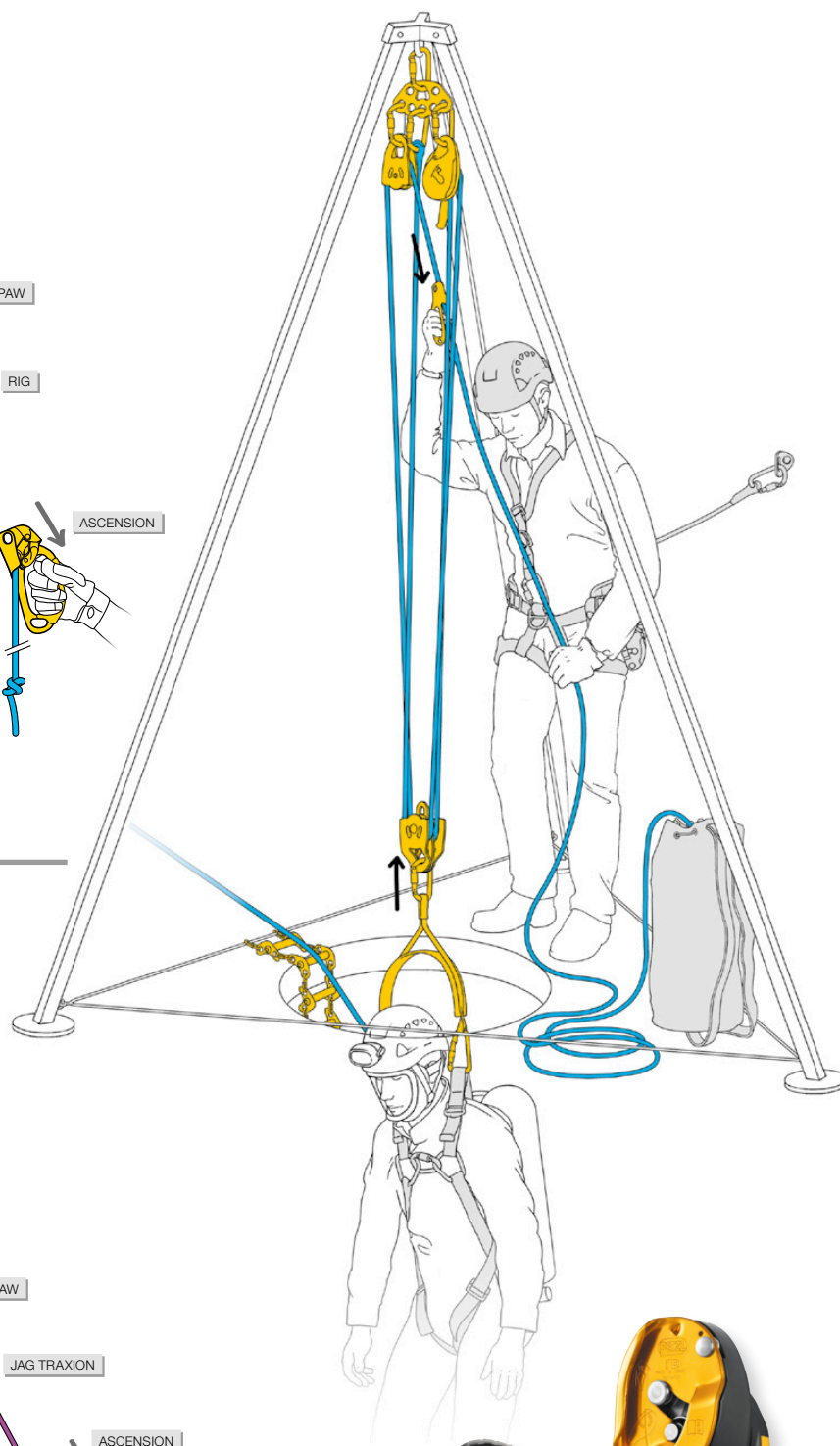
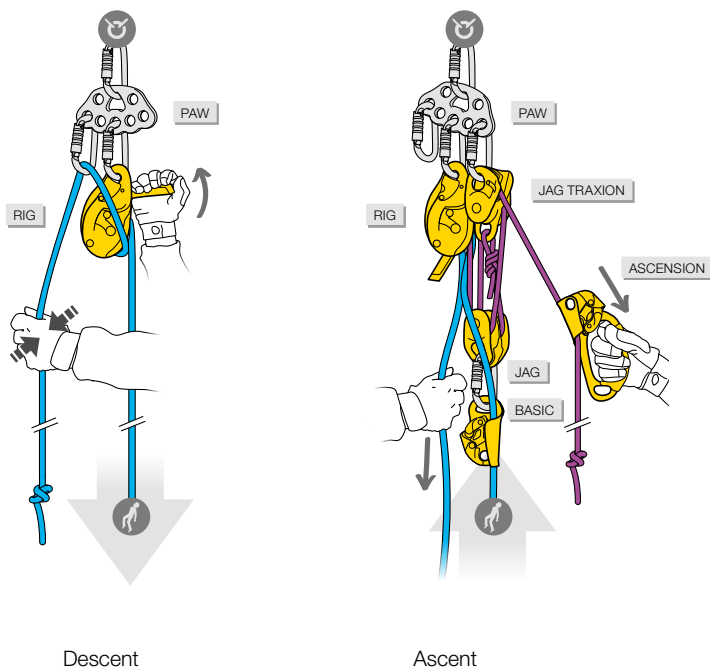
1. Combined lowering/raising system

- Advantage: quick transitions between modes (lowering/raising)
- Disadvantage: rope length is four times the travel distance



2. Independent lowering/raising systems

- Advantage: the length of the rope equals the travel distance
- Disadvantage: transitions are more complex (lowering/raising)



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Find more information on how to use the ASAP LOCK mobile fall arrester and I'D descenders in their Instructions For Use and "Product Experience" supplements, available at www.petzl.com/ASAP and www.petzl.com/ID.



For moving and working in trees, when it is not possible or appropriate to use an exterior means (elevating platform, ladder...), the arborist uses a rope progression technique. To do this, he sets up a rope from the ground and installs an ascending system which is determined by the configuration and height of the tree. Once the arborist is in position, he should be comfortably and correctly positioned (harness with attachment bridge and adjustable lanyards). The work positioning system should always be backed up during a cutting operation.



**NEW
2015**



SEQUOIA and adjustable attachment bridge

The SEQUOIA is a tree care seat harness for ascents on a doubled rope. It is designed for the arborist's comfort. The extra-wide, semi-rigid waistbelt and leg loops give excellent support.

The adjustable attachment bridge allows quick and precise adjustment of the position of progression tools installed on the bridge.

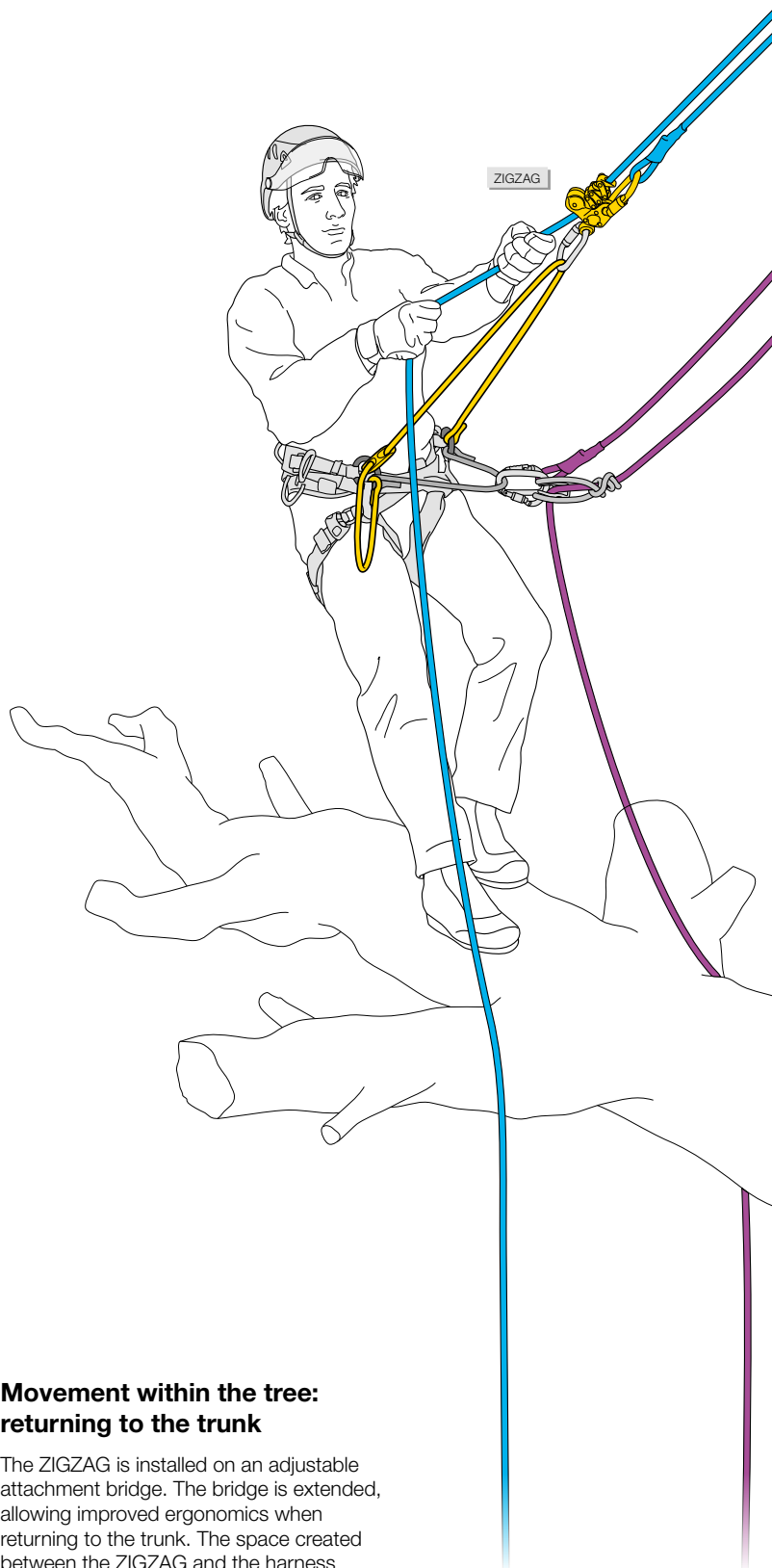
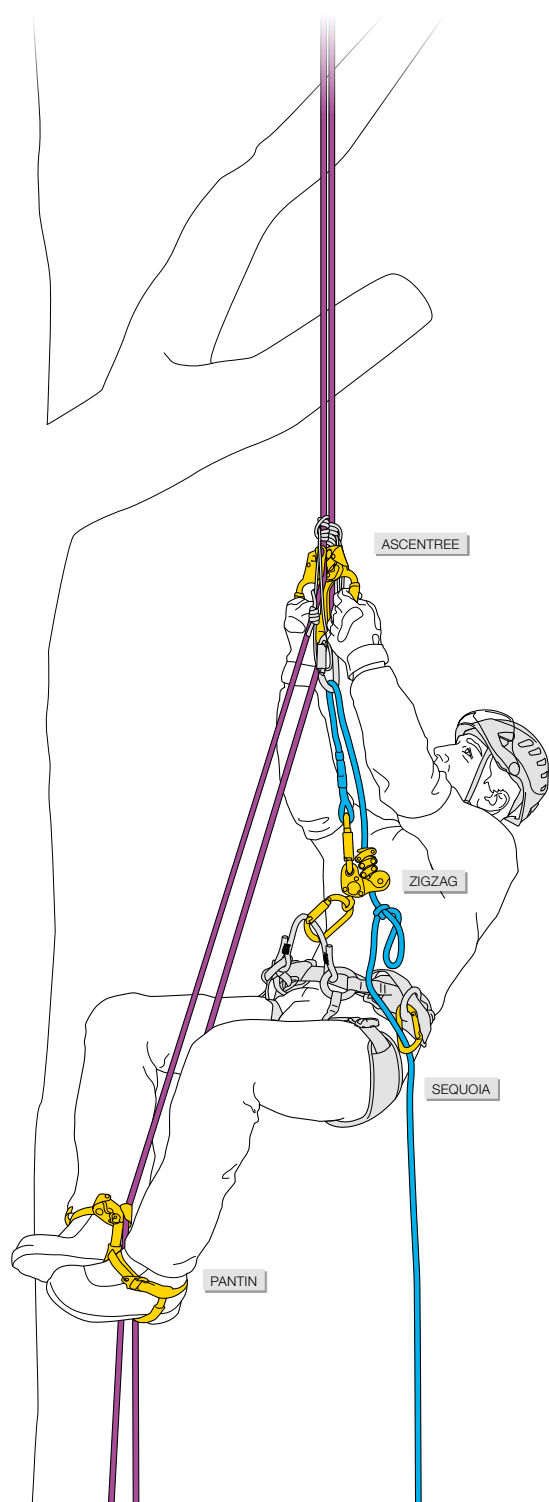


Loïc Daviet, Kevin Imbert Chateau de Monthoux, PRINGY, France © Marc Daviet

Tree access

• Double-rope ascent technique:

The arborist ascends his access rope (purple). In case of a hornet attack (or other problem) he can self-evacuate with the work rope (blue). A mule knot, or releasable knot, secures the ZIGZAG. This ascent technique is very efficient.

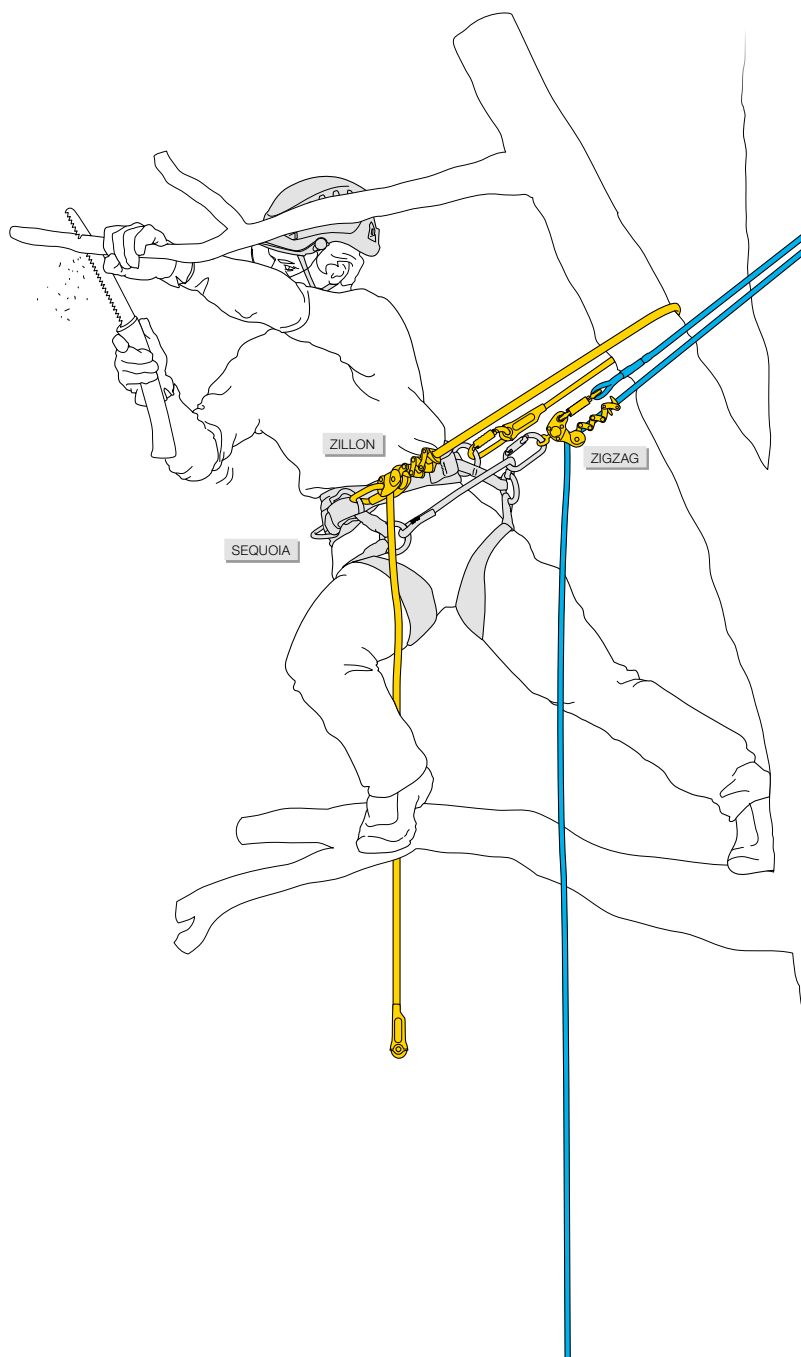


Movement within the tree: returning to the trunk

The ZIGZAG is installed on an adjustable attachment bridge. The bridge is extended, allowing improved ergonomics when returning to the trunk. The space created between the ZIGZAG and the harness allows pulling with both hands on the free end of the rope.

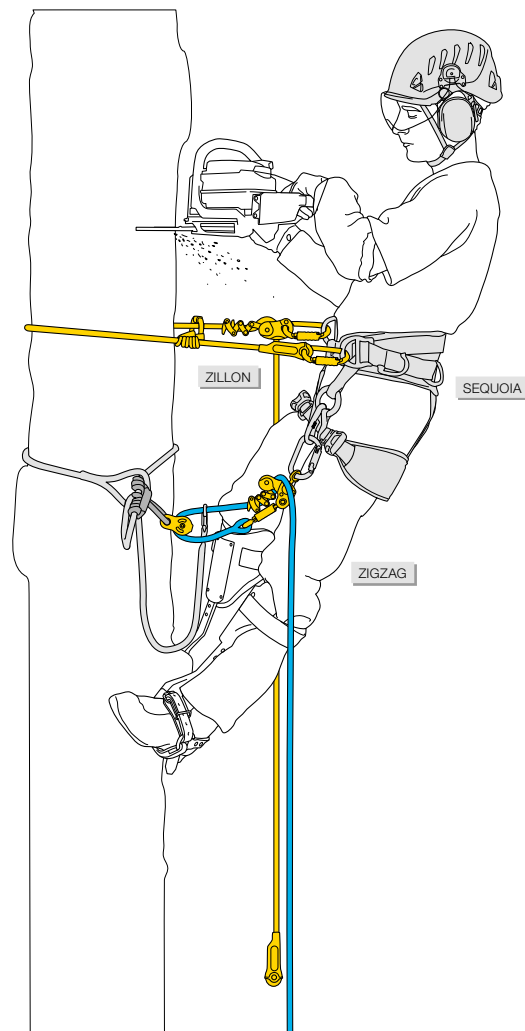
Work positioning: double point

- Stabilization using the ZIGZAG on the working rope and an adjustable ZILLON lanyard on a supplementary anchor.



Dismantling on the trunk

- Cutting operation with a second belay system. The ZIGZAG allows for a second system and the option to evacuate in case of a problem.



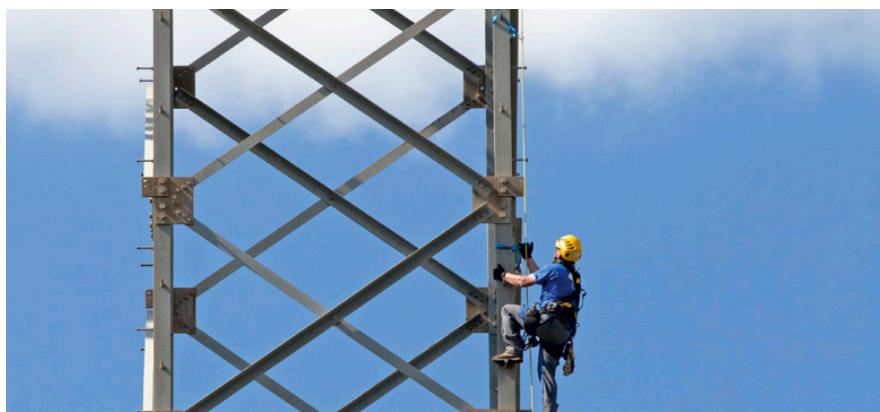
In these fields, work situations are characterized by moving about on structures such as towers, antennas, windmills... These situations are also typical of setting up or taking down structures for events.

The techniques used for moving around depend directly on the specifics of each structure and the presence/absence of collective protection. In its absence, team members must ensure their own safety with PPE (Personal Protective Equipment). To protect himself in case of a fall, each worker must use a fall arrest system (for example: self-belay on the structure with an energy-absorbing lanyard or on a lifeline with a mobile fall arrester). If necessary, a positioning system is used to enable hands-free work. If the structure does have collective protection, a work positioning system (adjustable lanyard) may be sufficient.

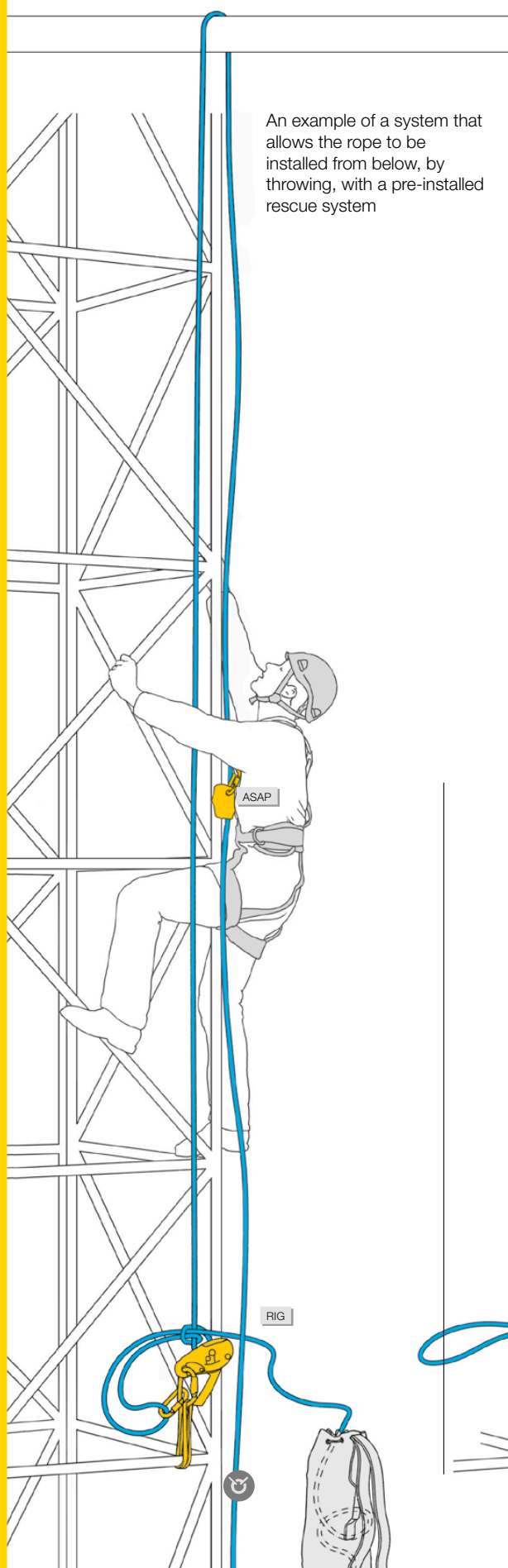


ASAP®

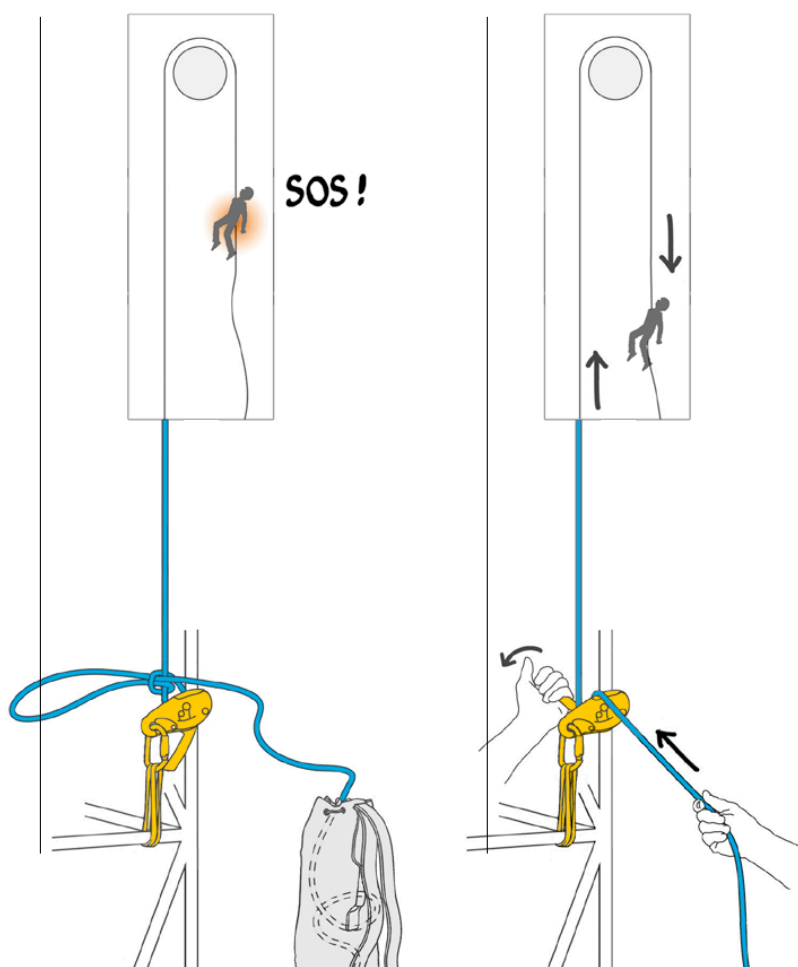
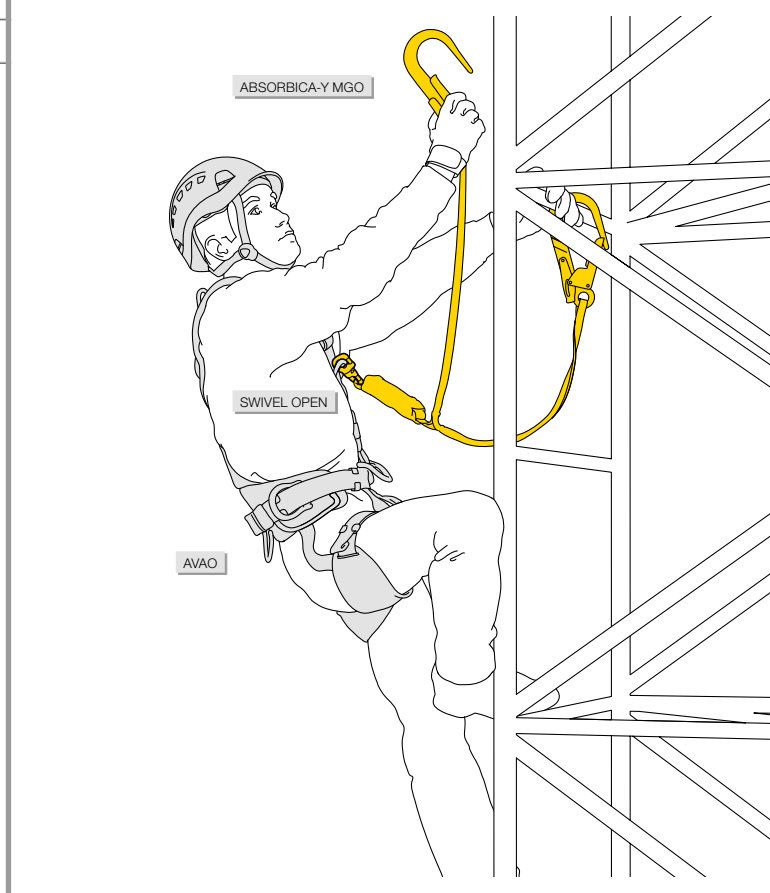
With its unique locking system, the ASAP mobile fall arrester is a reference product in fall protection for workers at height. It moves freely along the rope without any manual intervention and accompanies the user in all his movements. In case of shock or sudden acceleration, the ASAP mobile fall arrester locks on the rope and stops the user.



1. Backed-up ascent with a mobile fall arrester on the rope

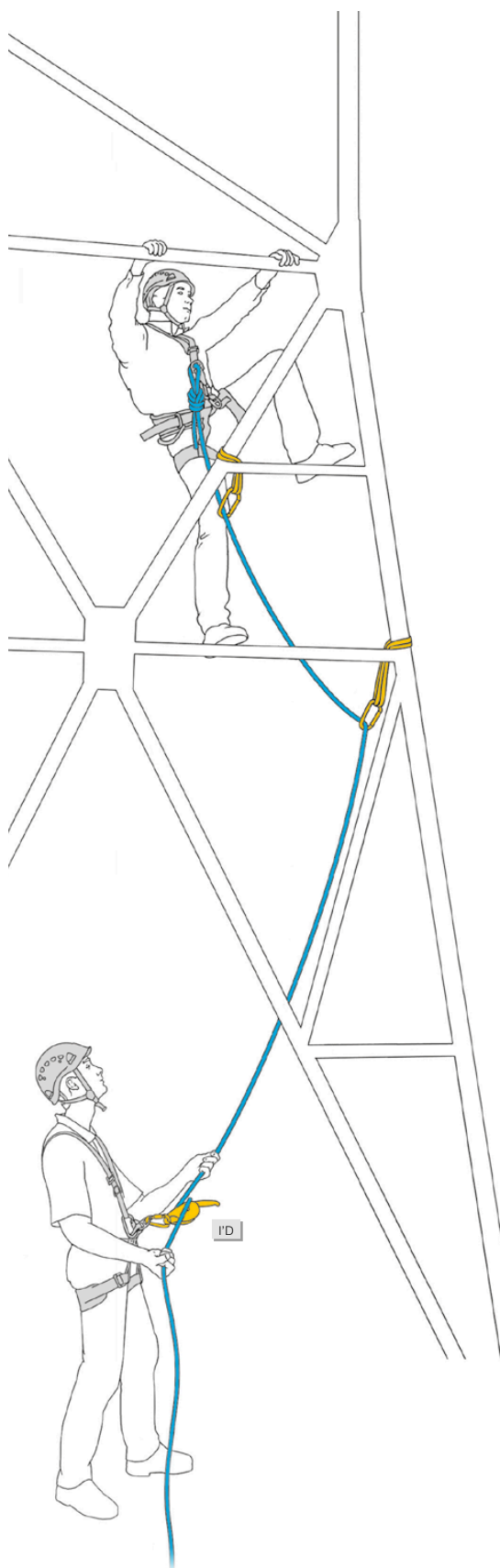


2. Backed-up ascent using a Y-shaped energy absorbing lanyard

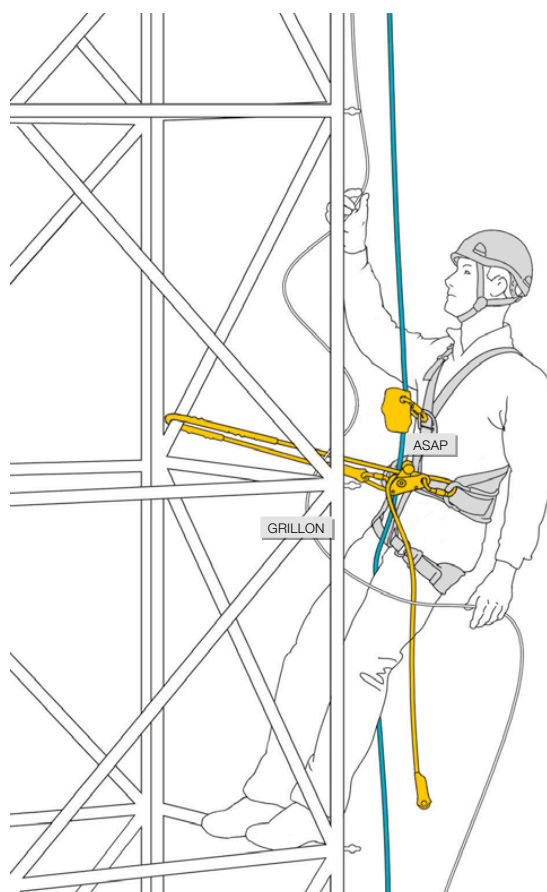


3. Backed-up ascent using climbing techniques

Minimizing fall length by placing intermediate anchor points.



4. Work positioning using an adjustable lanyard



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Find more information on how to use the ASAP mobile fall arrester in its Instructions for Use and PRODUCT EXPERIENCE supplement, available at www.petzl.com/ASAP.



A safety device must be put in place before working on a roof for protection in case of slips or falls.

The type of system is determined by the length of the operation. If the operation is long, it should be protected by collective protection in order to eliminate any risk of falling. If it is a short-term, temporary operation, individual protection is used. PPE is generally necessary for installing the collective protection, if the building is not already equipped with it. In this situation, there is a great risk of falling. Each person must use a fall arrest system (for example, energy absorber with mobile fall arrester and safety rope). If collective protection is present and adequate for fall protection, a work positioning system with adjustable lanyard is the perfect solution.



VERTEX BEST and VIZIR SHADOW

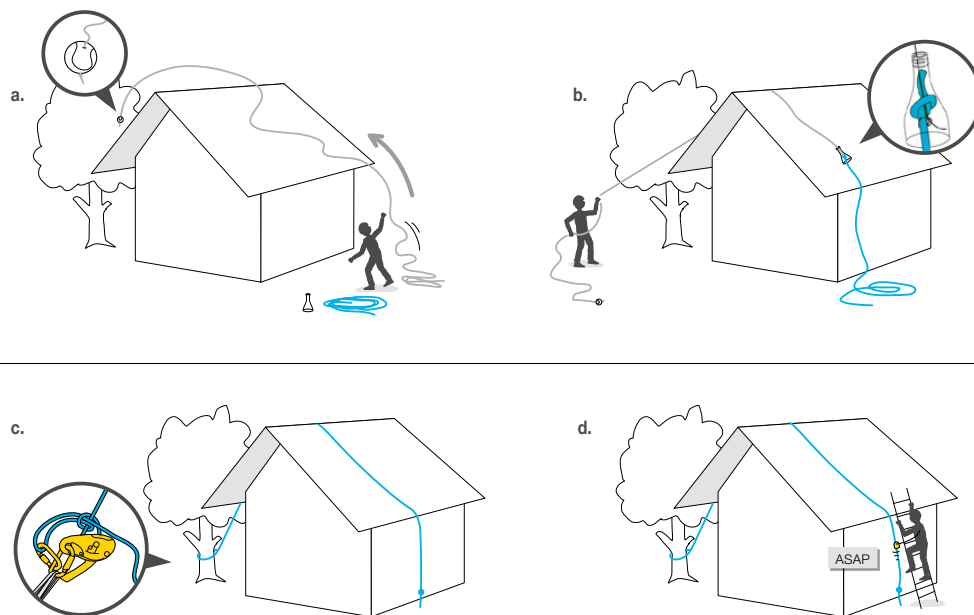
With its strong chinstrap, the VERTEX BEST helmet sets the standard in head protection for workers at height. Its closed shell ensures protection against electrical hazards and molten metal splash. Its six-point webbing suspension ensures comfort, and its CenterFit adjustment system adjusts the headband and keeps it centered on the head.

The VIZIR SHADOW visor ensures eye protection and integrates perfectly into the helmet. It has a level 2.5 solar protection filter with anti-scratch and anti-fog treatments.



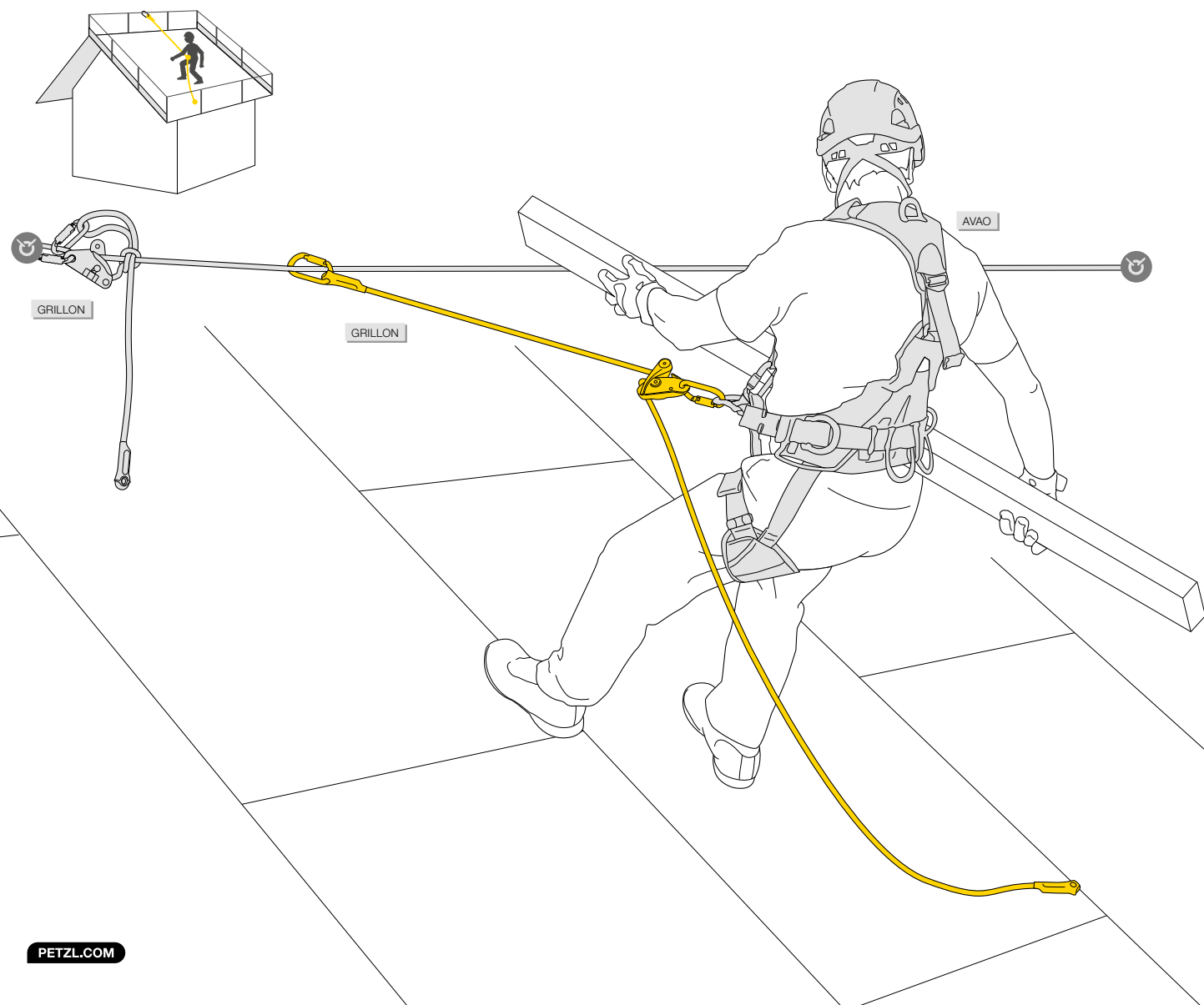
1. Roof access

Installing a rope with releasable anchor; backed up ascent with the ASAP



2. Long-term use

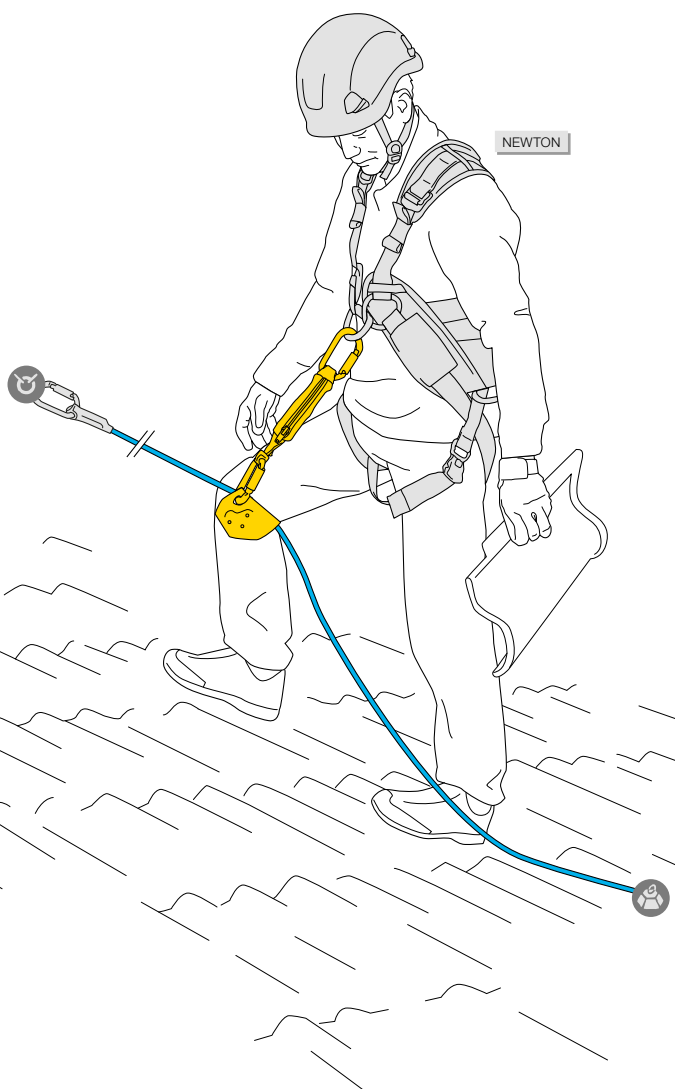
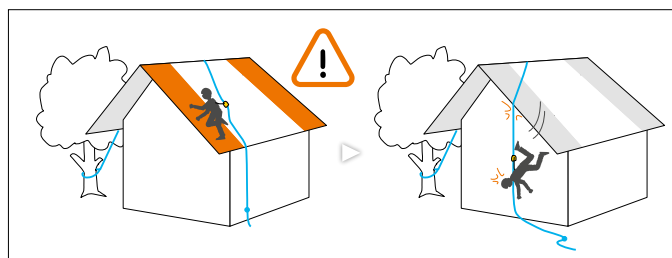
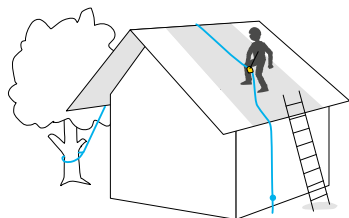
With individual positioning system and collective protection



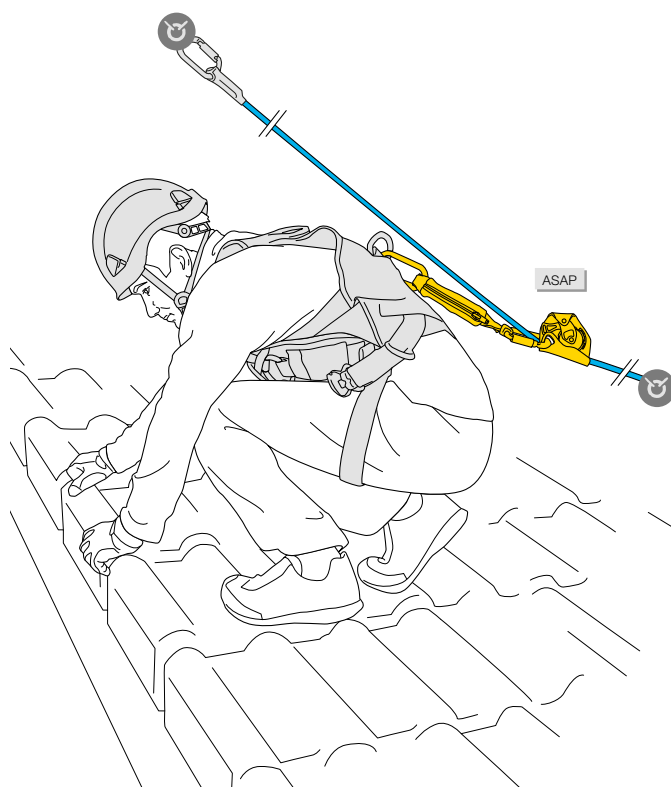
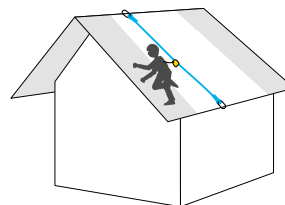
3. Occasional use

With individual fall arrest system

- Working in the center of the roof (limited access zone)



- Working at the edges



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Find more information on how to use the ASAP mobile fall arrester in its Instructions for Use and PRODUCT EXPERIENCE supplement, available at www.petzl.com/ASAP.





P.G.H.M., Mont Blanc massif, France
© Philippe Poulet



Hanging immobile in a harness, even for a short time, can cause serious physiological harm. In case of an accident, it is important to intervene quickly with the appropriate technique.

Self-rescue

On sites where the main access could be cut off by fire, people must be ready to evacuate the building quickly. They have evacuation kits. These kits are either portable or installed permanently on the structure. Where there is no identified anchor possibility, these people can use a hook-based system. In both cases, teams are regularly trained so as not to panic in case of a fire.

On-site rescue

When a worksite is being set up, the company must establish a risk prevention plan (inventory of risk situations):

1. It must protect the personnel from falls from height. The solutions chosen, whether collective or individual, must protect the team members while they work.
2. In the case of an incident, the company must be prepared with rescue systems for accessing, releasing and evacuating the victim. These solutions are established with:
 - ready-to-use rescue kits, adaptable to many situations and simple to use
 - personal equipment for the worker at height (solution requiring experienced and precisely trained teams)

In both cases, the teams undergo regular training so they can respond quickly in case of an accident.

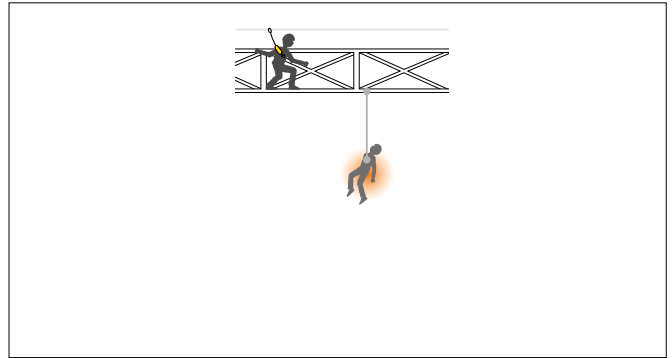
Technical rescue

Technical rescue teams must be able to respond quickly in any situation. They must choose the quickest, most effective way to access the victim.

- When access is easy or possible by motorized means, they can easily transport the rescue equipment
- In more difficult access situations, they may use rope access techniques, from above or below. They thus have lightweight, versatile equipment
- Finally, the helicopter can be a means that is used when victim access is complicated and/or remote, for example in the mountains

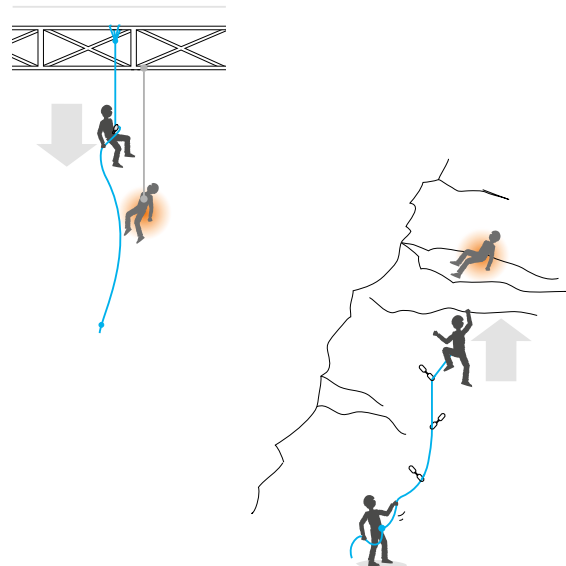
Ski lift evacuation

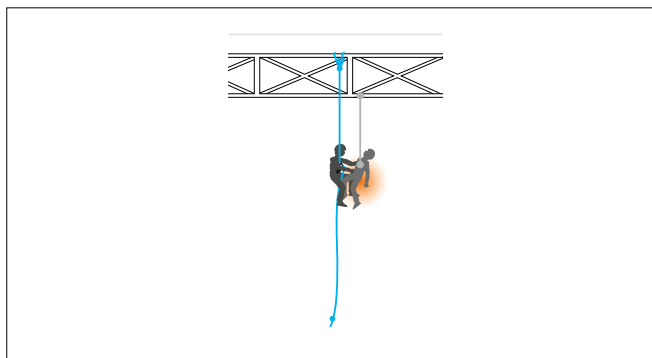
Ski lift evacuation operations follow an evacuation plan. Rescue kits are put together to meet the specific needs of each ski center.



1. Accessing the victim

Accessing the victim can sometimes be complicated. Difficult-access techniques are used in such a case. When access is possible from above, rescuers use rope descent techniques. If an access rope is in place, rescuers can ascend the rope using rope clamp techniques. In other situations, rescuers are obliged to use climbing techniques to reach the victim.





2. Releasing the victim

Hauling

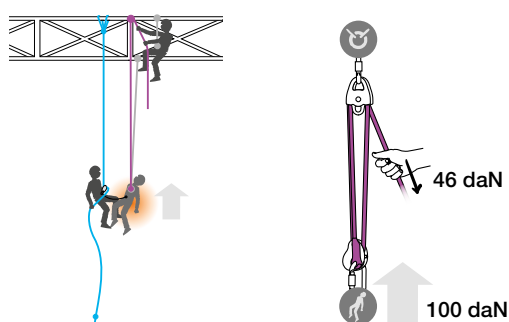
This involves using a mechanical advantage pulley system in order to easily raise the victim. When the rescuer is alone, he will create such a system to conserve energy. The disadvantage is that a long rope is required.

If there are enough rescuers, a lower mechanical advantage is used to hasten the operation.

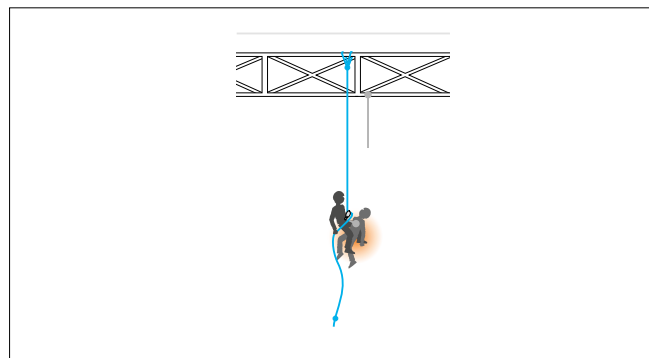
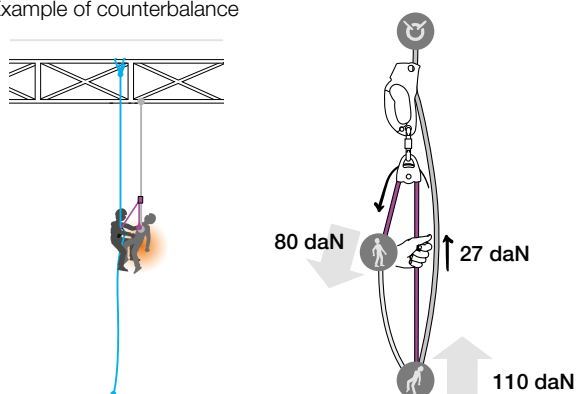
"Balancier" technique

This is a counterweight system. The rescuer is on one side, the victim on the other. The rescuer unweights the rope on the victim's side by pulling on it. The victim ascends and the rescuer descends. The advantage of this system is that it is easy to do with little equipment. Engaging the counterweight is the step that demands the most energy. After that, it is important to be careful to keep the system under control. Be careful when there is a big weight difference between the rescuer and the victim.

Example of hauling



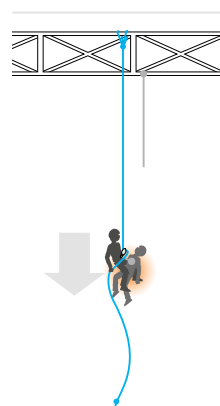
Example of counterbalance



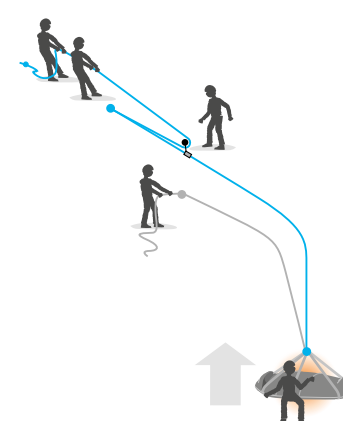
3. Evacuating the victim

Downward, the evacuation is carried out with a descender. This is the easiest technique currently in use. When downward evacuation is impossible, the victim is evacuated upward or horizontally. Upward, rescuers use either a counterweight or hauling technique. Horizontally, one or more ropes are tensioned. One rope is used for carriage, another is used as a back-up belay, and another to move the litter.

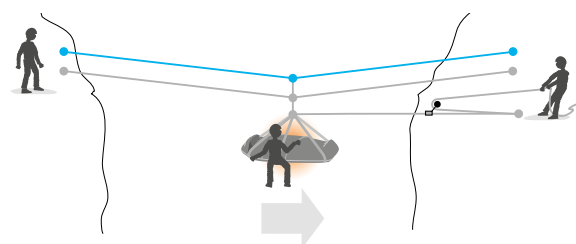
Downward



Upward



Horizontally



The New York Fire Department (FDNY) wanted to equip each firefighter with an individual system of protection, allowing emergency self-evacuation from a burning building, and so did a thorough study of their needs. Numerous technical solutions were proposed and over 5000 tests were carried out in their training centers. During this study, the FDNY approached Petzl to request the development of a device based on the GRIGRI (belay/rappel device) and to develop a new technique that would allow an individual to self-evacuate from a burning building with a good level of safety. Since 2006, all New York firefighters and many other organizations worldwide have been equipped with the EXO system.



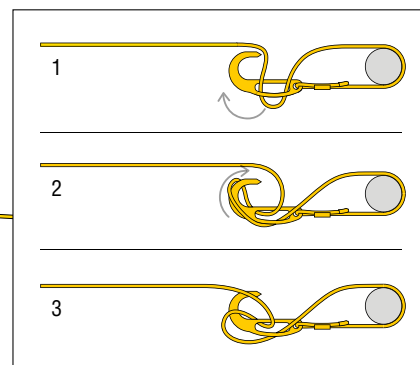
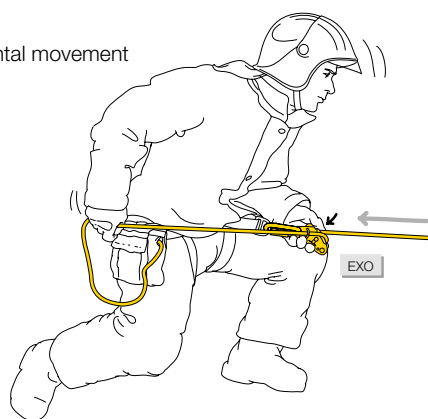
New York Fire Department, New York, USA © Kyra Neeley



EXO

The EXO personal escape system has an anchor hook suitable for situations where the possibility of finding an anchor point is uncertain. This solution applies particularly to firefighter operations in a burning building (e.g. attachment to a window sill as a last resort).

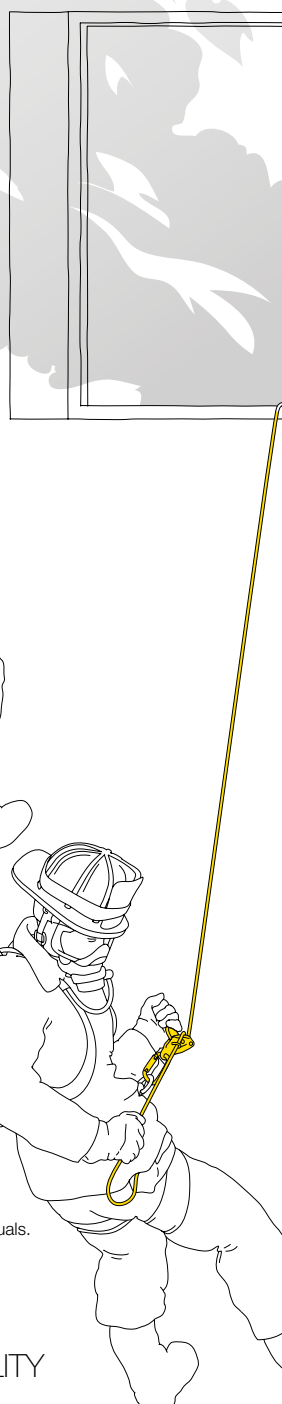
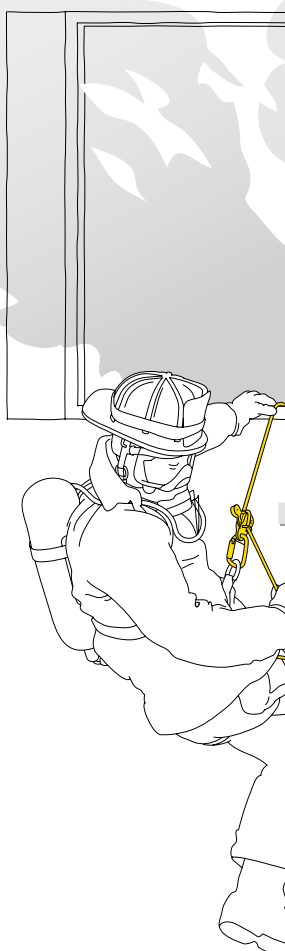
Rapid horizontal movement



Going through a window while maintaining the anchor hook on the window sill. Locking the left leg against the interior wall to go with the movement.

Re-establishment below the window while holding the free end of the rope.

Descending, one hand uses the handle to start the descent, and the other hand holds the rope to control it.



Information is non-exhaustive. Refer to the other pages as well as to the Instructions for Use and technical manuals. Technical training is essential.

THIS PRODUCT MUST ONLY BE USED AFTER THE USER HAS RECEIVED SPECIFIC PETZL TRAINING.

VERTICALITY

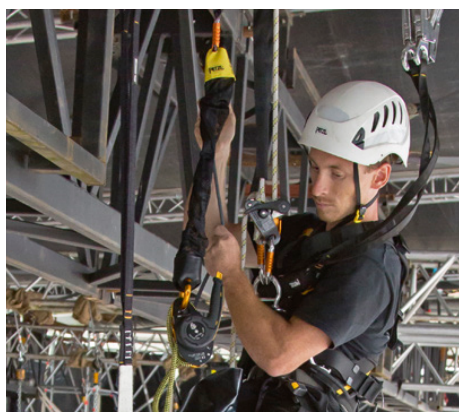
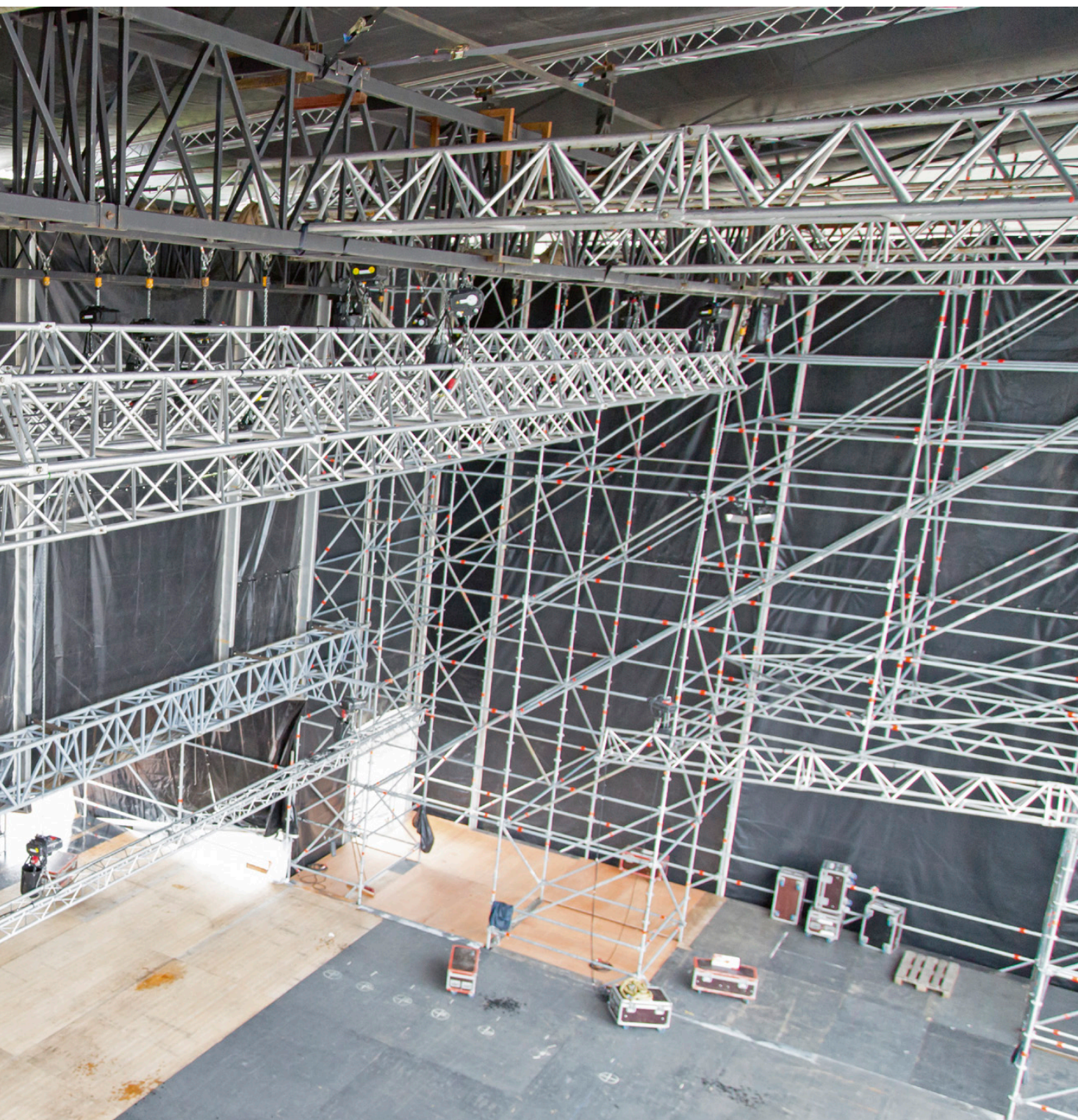
If a victim is not able to rescue himself, the on-site work team has to immediately intervene and move him to safety to wait for the outside rescue team to arrive. To be able to do this, the personnel should take a specialized course and train regularly. A rescuer will intervene with his own equipment or use a specific rescue kit, following the worksite's rescue plan.



**NEW
2015**

JAG SYSTEM

The JAG SYSTEM haul kit allows for easy victim pickoffs, thanks to its 4:1 mechanical advantage and excellent efficiency (sheaves with sealed ball bearings). The kit is quick and easy to deploy: it is ready to use thanks to the flexible cover that prevents any risk of tangling. The collapsed kit is very compact, making usage possible even if the distance to the anchor is very short.



Release and evacuation of a victim on a CROLL

Operation from below by a team member with his own equipment.

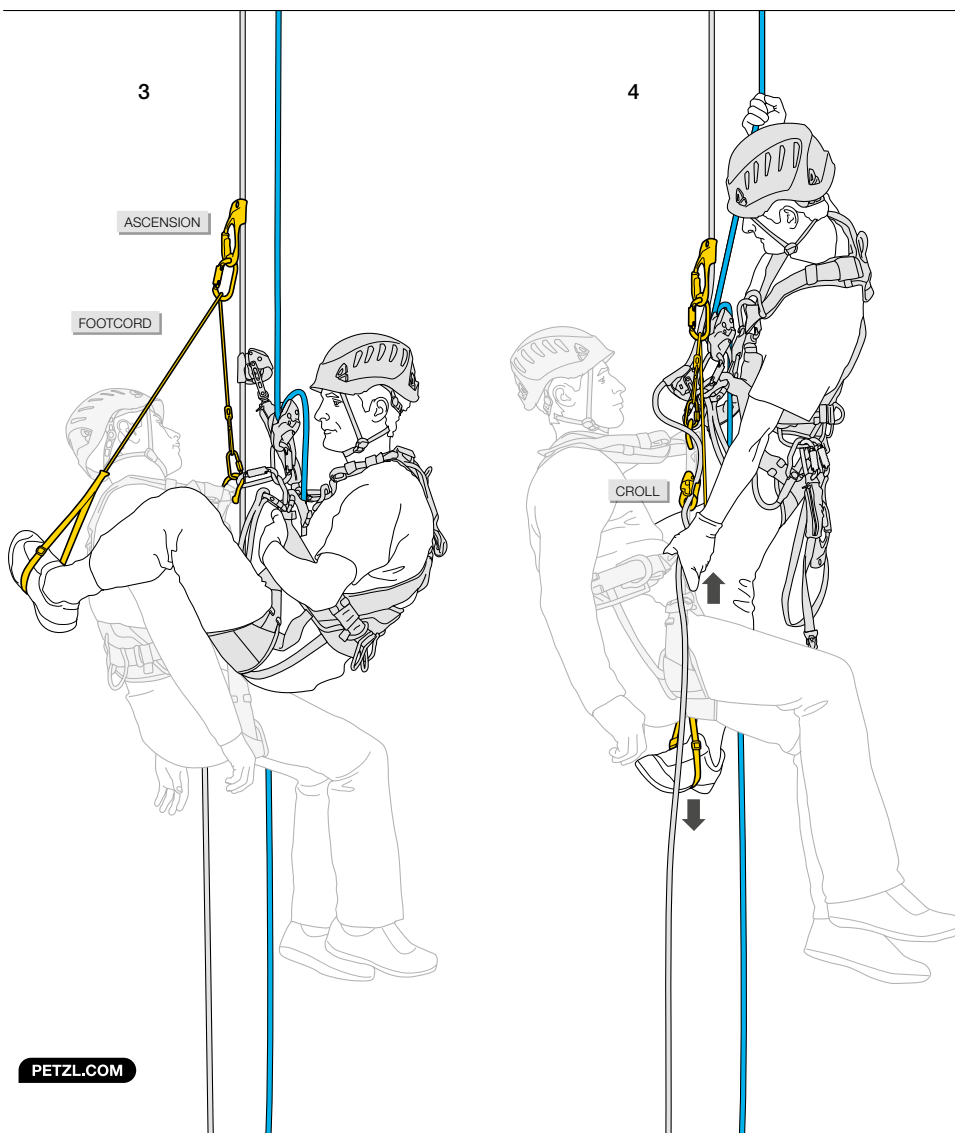
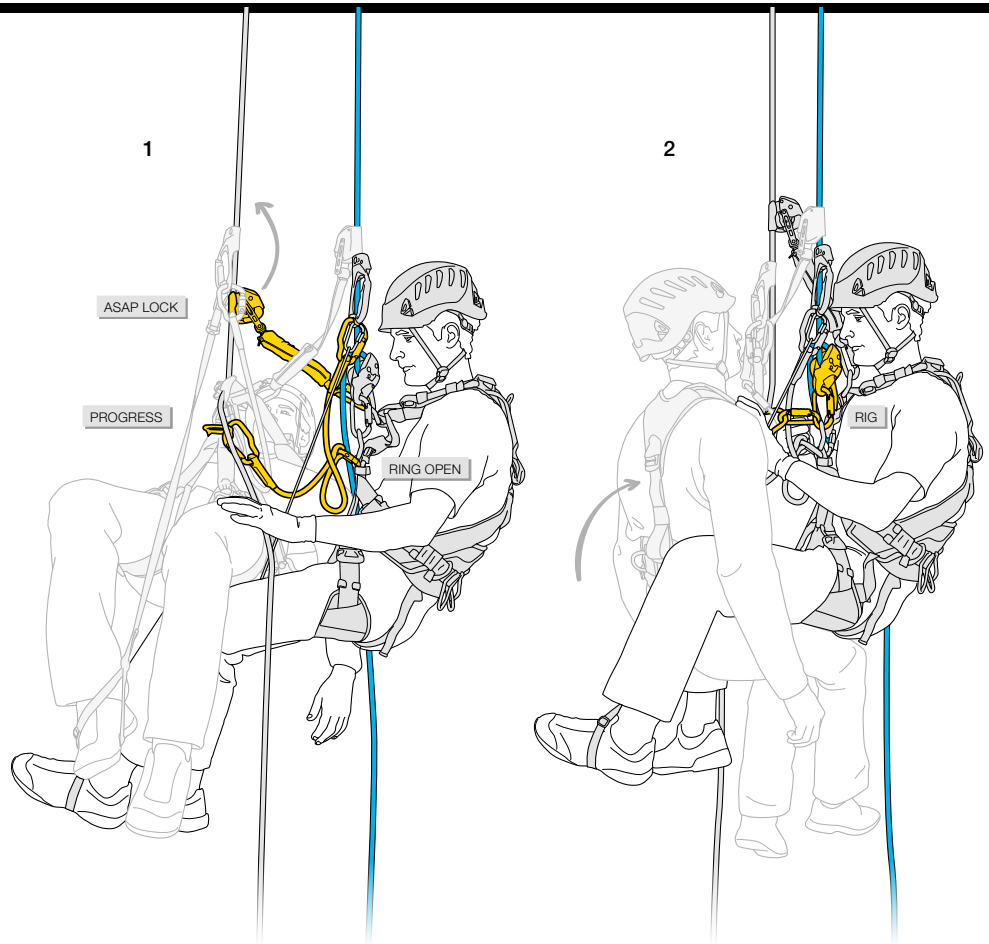
The rescuer must do his risk assessment before intervening and include a check that the victim's ropes are in good condition.

The counterbalance system is used to transfer the victim onto the descender.

The rescuer ascends on the victim's safety line.

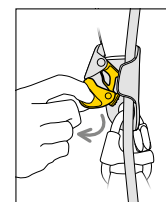
1. The rescuer transfers himself to the RIG descender, connects his lanyard to the victim and moves his ASAP above the victim.

2. The rescuer puts a second connection in place. He can then remove the equipment that is in the victim's way.

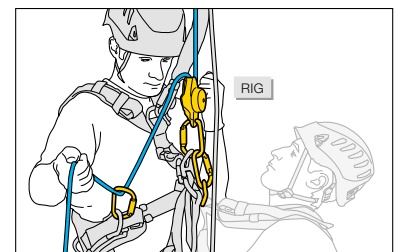


3. On the victim's rope, the rescuer installs his foot loop in counterbalance on the ASCENSION handled rope clamp.

4. In counterbalance on the foot loop, the rescuer blocks the rope from running through the CROLL and raises the victim. He removes the CROLL and takes up as much rope slack as possible in the RIG descender.



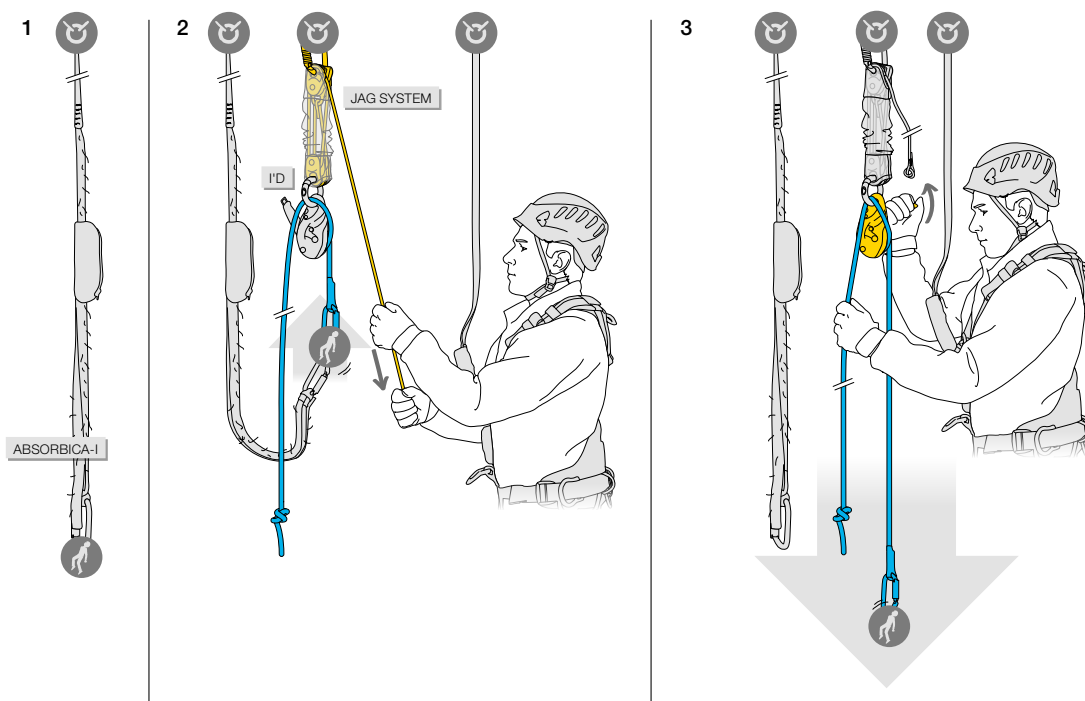
5. The rescuer, hanging on the RIG, recovers his rope clamp. He installs a braking carabiner and accompanies the victim to the ground.



Release and rescue using reversible rescue kit

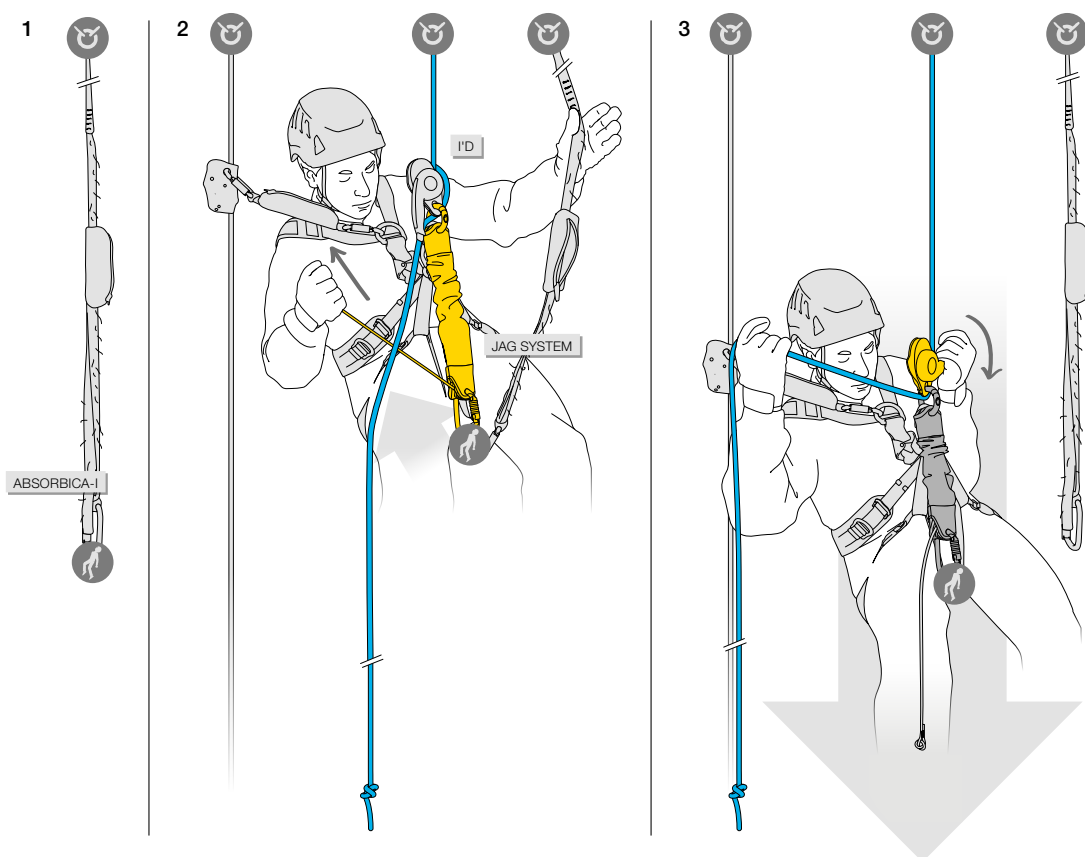
• Unaccompanied evacuation (victim doesn't require monitoring, or for a free-hanging evacuation):

1. Victim suspended by his lanyard, with the energy absorber torn by the fall
2. Hauling (allows the victim to be released)
3. Lowering the victim



• Accompanied evacuation (protecting and distancing the victim from the structure):

1. Victim suspended by his lanyard, with the energy absorber torn by the fall
2. Hauling (allows the victim to be released)
3. Accompanied descent



petzl.com

Find more information on how to use the JAG SYSTEM haul kit in its Instructions for Use and PRODUCT EXPERIENCE supplement, available at www.petzl.com/JAG.

Technical rescue teams intervene in particularly difficult or dangerous situations. Intensively trained and taught, they operate in any environment. These specialists master all the progression and belay techniques on rope.

- Downward evacuation takes advantage of gravity, applying different techniques determined for specific types of terrain
- Upward evacuation is a team effort and requires perfect coordination by everyone involved. It demands techniques which are sometimes particularly complex: hauling with a mechanical winch, creating a hauling system built from lightweight pulleys, using counterweight techniques...
- Tyrolean evacuation is used for difficult locations: urban or industrial sites, confined spaces, canyons...
- Evacuation by helicopter: this technique is used when accessing the victim is difficult or remote, or when the situation is very urgent. Its implementation relies on specific devices

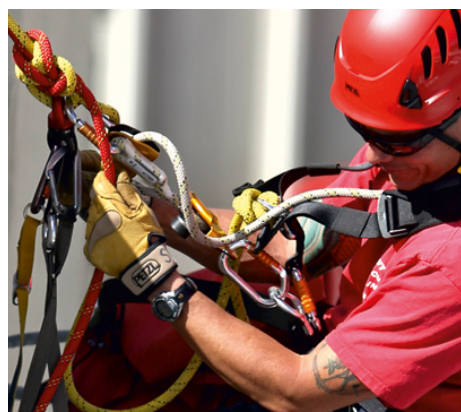


**NEW
2015**



PRO

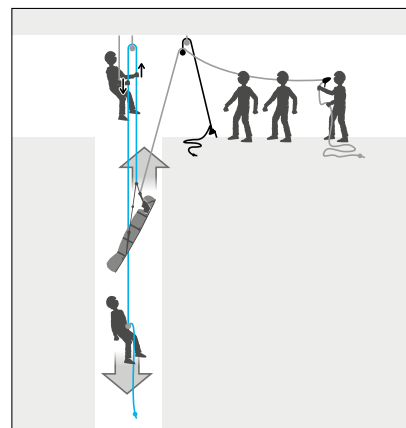
Openable even when attached to the anchor, the PRO pulley is designed for maximum simplicity when setting up hauling or load deviation systems. The side plate that locks under load, the large-diameter sheave and the high efficiency sealed ball bearings make a pulley that is well suited for handling heavy loads.



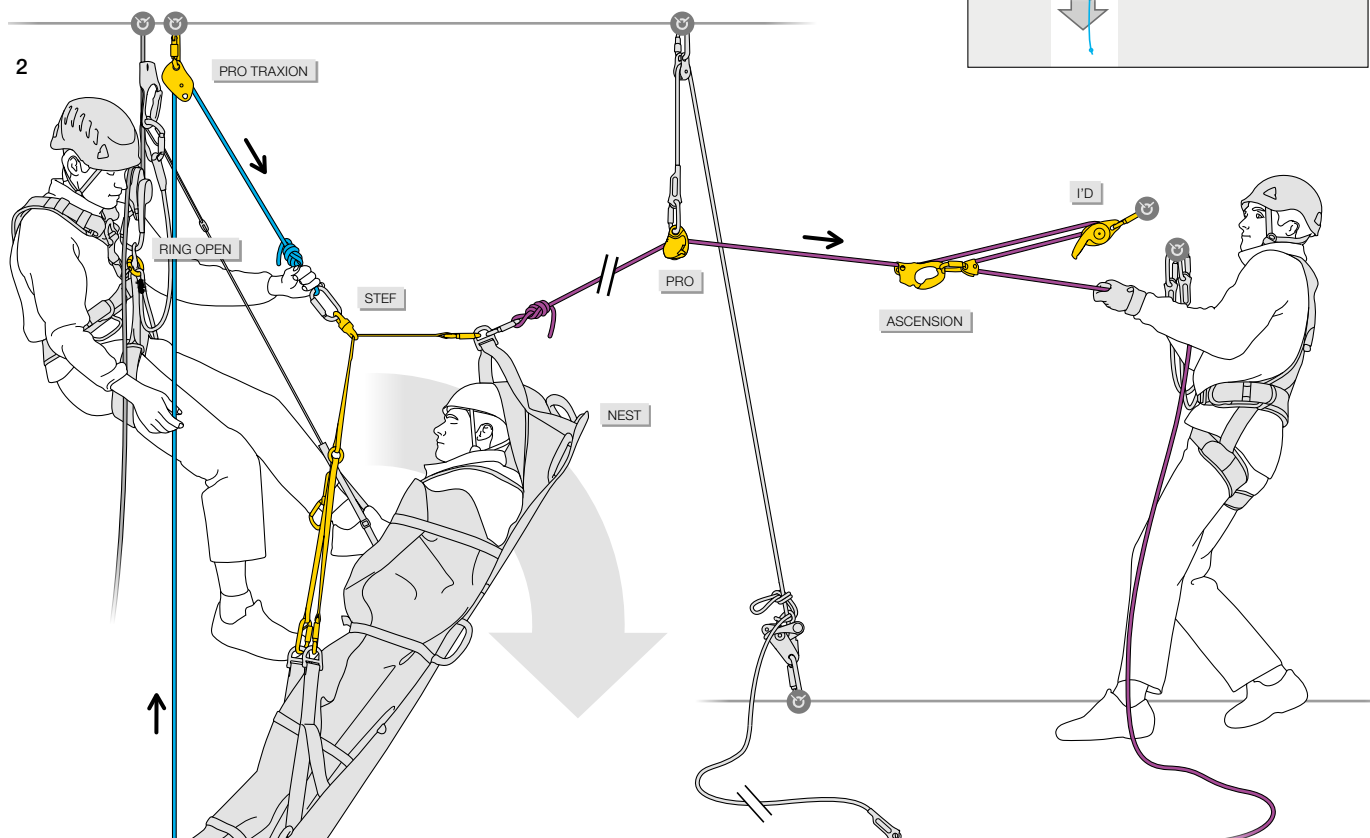
Upward and horizontal evacuation in a confined space

1. Rescuer hauls the NEST litter in counterbalance on rope clamps. Rescuer regulates the hauling. A third person back-up belays on a second rope.
2. The rescuer below gives slack using a descender. The back-up belayer hauls the NEST litter, allowing it to tilt to a horizontal position with the help of the STEF.
3. Recovery of the NEST by team members.

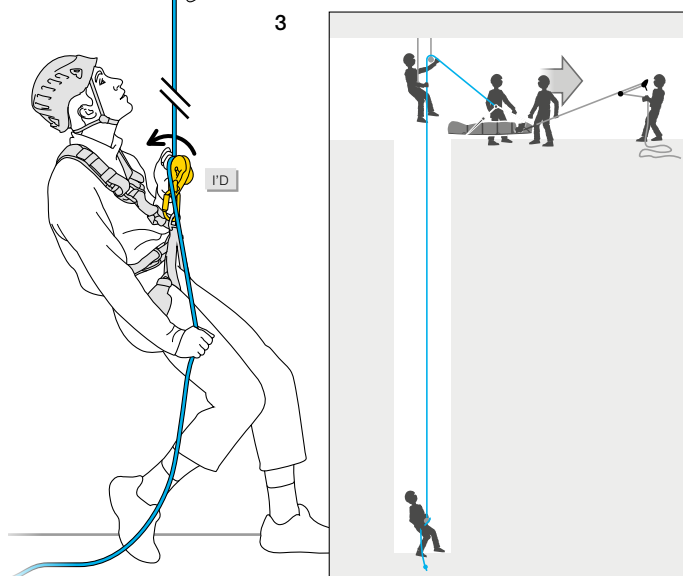
1



2



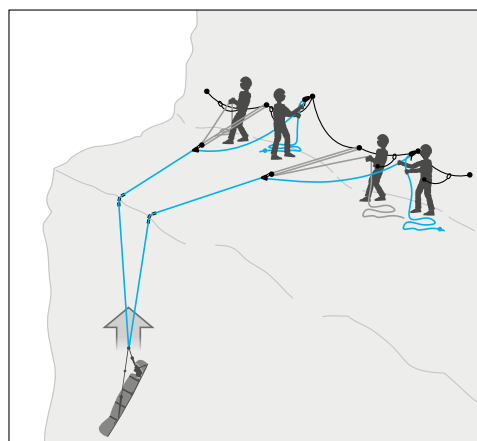
3



petzl.com

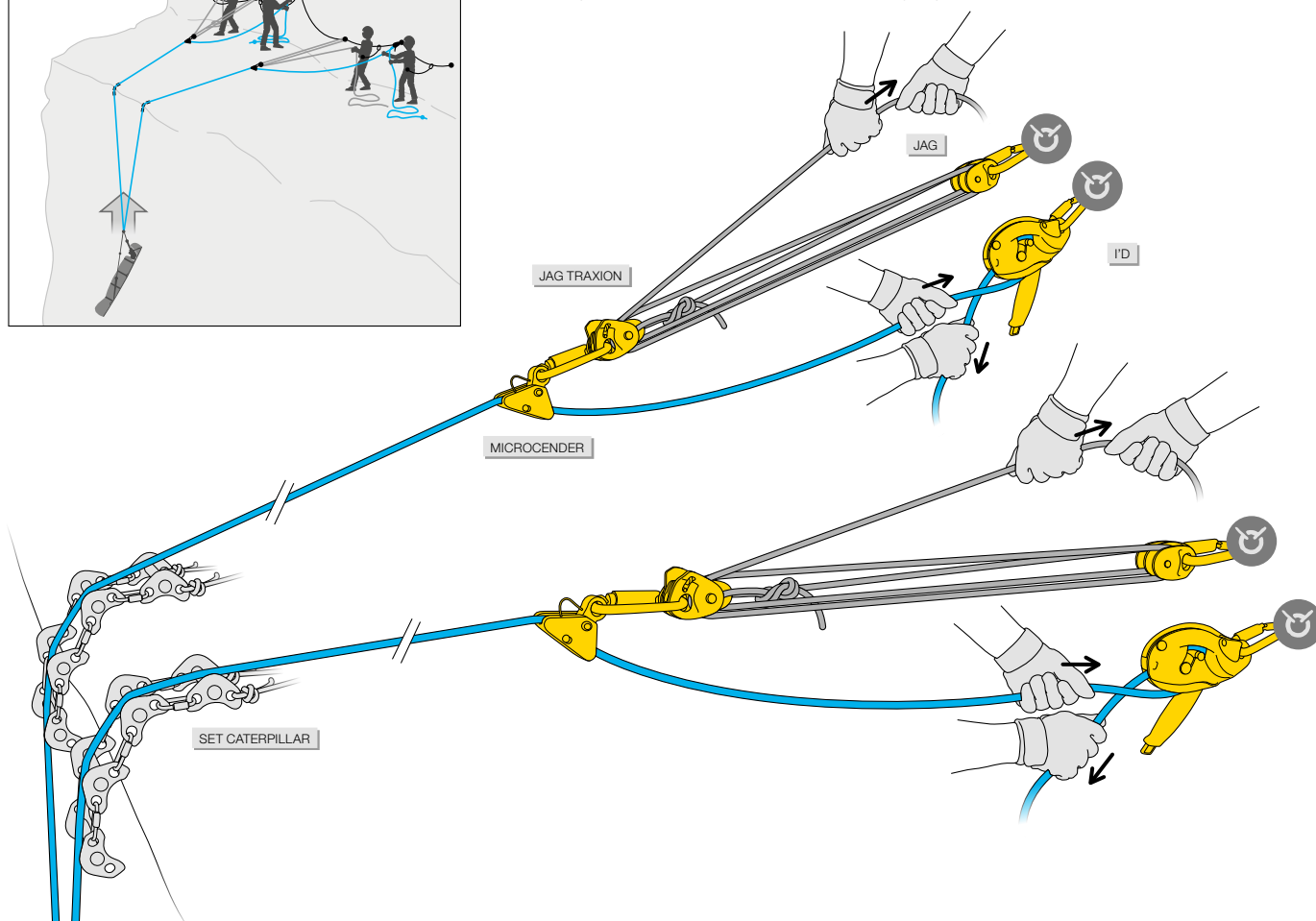


Find more information on how to use the PRO TRAXION progress capture pulley and I'D descenders in their Instructions For Use and PRODUCT EXPERIENCE supplements, available at www.petzl.com/PROTRAXION and www.petzl.com/ID.



Upward and horizontal evacuation by simultaneous traction on two lines

The blue ropes are used as both work and safety rope.

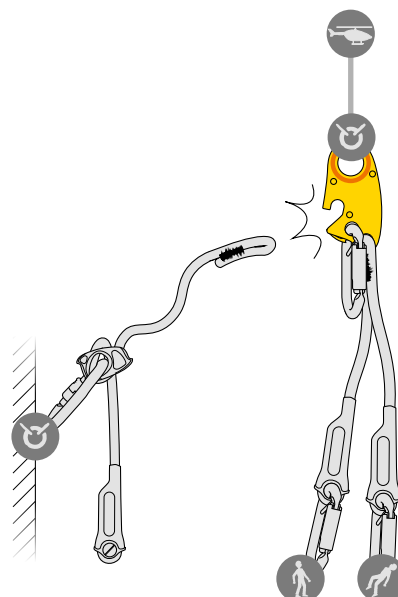
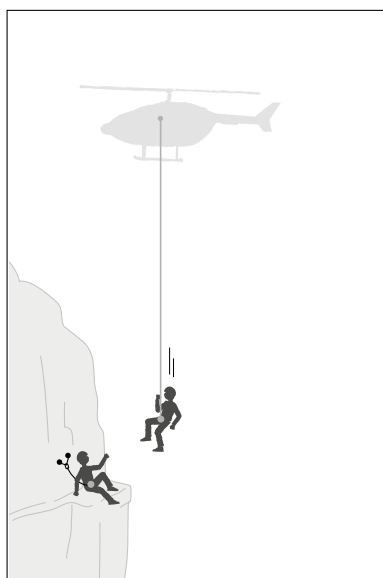


Helicopter evacuation with the LEZARD helivac lanyard

During a rescue, in the drop-off and recovery phase, there is a period where the rescuer is attached to the helicopter and the cliff at the same time; this situation is especially critical when there is turbulence. The LEZARD lanyard helps secure this phase: in case the helicopter moves away involuntarily, the LEZARD releases the adjustable lanyard. The adjustable lanyard remains attached to the cliff, and the rescuer and/or victim stay attached to the helicopter.

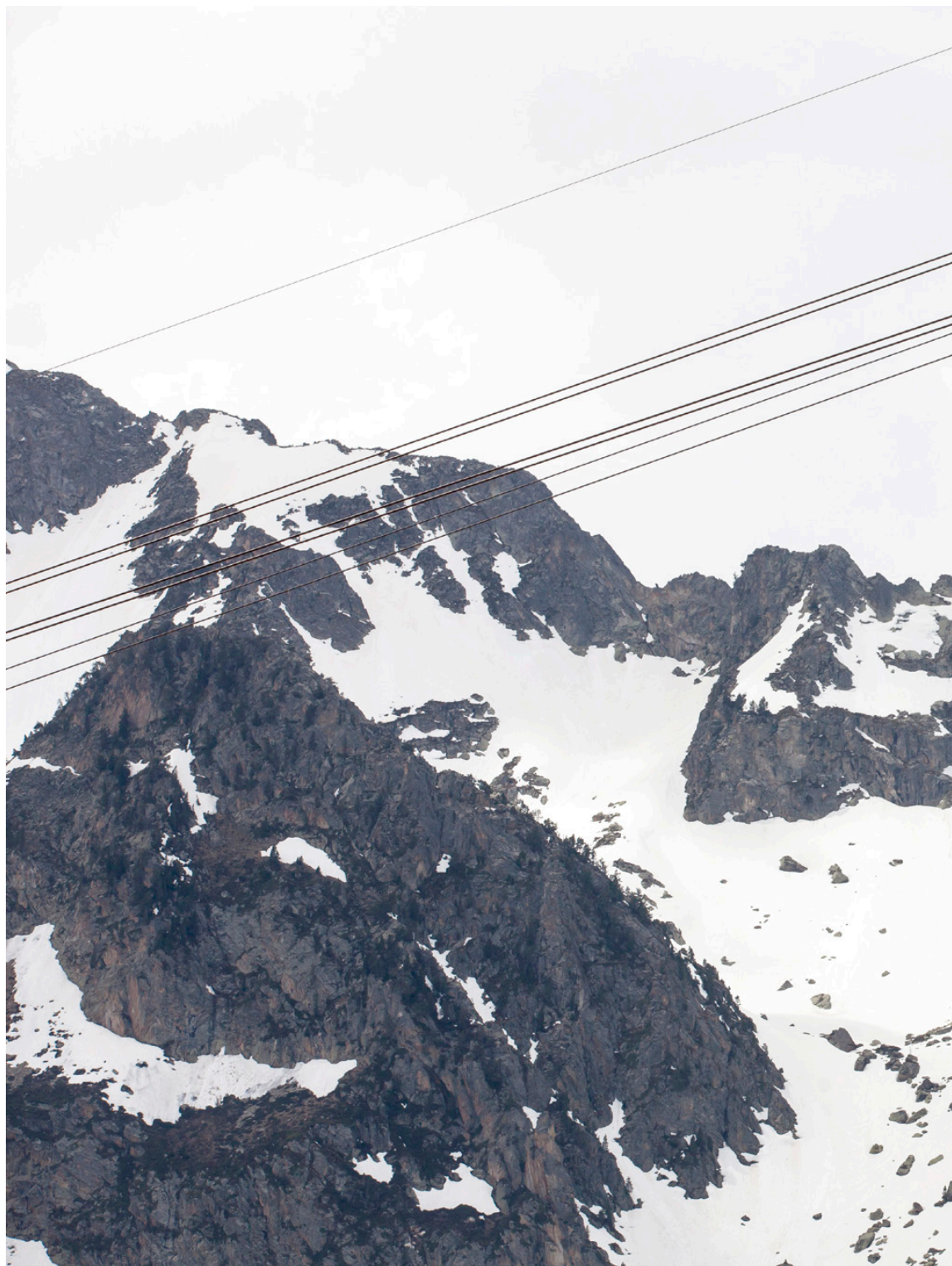


Find more information on the LEZARD helivac lanyard on page 78 and at www.petzl.com/LEZARD.



If ski lift equipment fails, the person in charge must evacuate passengers according to the evacuation plan. This document explains precisely how all the operations should be carried out and what human and material means must be employed.

The evacuation of all passengers must be carried out within a predetermined time frame. These operations are generally carried out by the operating personnel. In case of difficulty, the operator may call in organized rescue squads. Evacuation of a ski lift requires specific techniques for movement along a cable. For maximum efficiency, these operations are led simultaneously by several independent teams, generally composed of two people (one suspended on the cable for evacuation, the other on the ground to receive the passengers and to guide the movements of his colleague). The success of these operations hinges largely on the instruction, training and practice of the operating personnel (at least once a year).



AVAO® BOD FAST

The AVAO BOD FAST fall arrest and work positioning harness was designed for greater comfort in use. The X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension. The FAST buckles allow the harness to be donned with both feet on the ground, while retaining its adjustment settings.



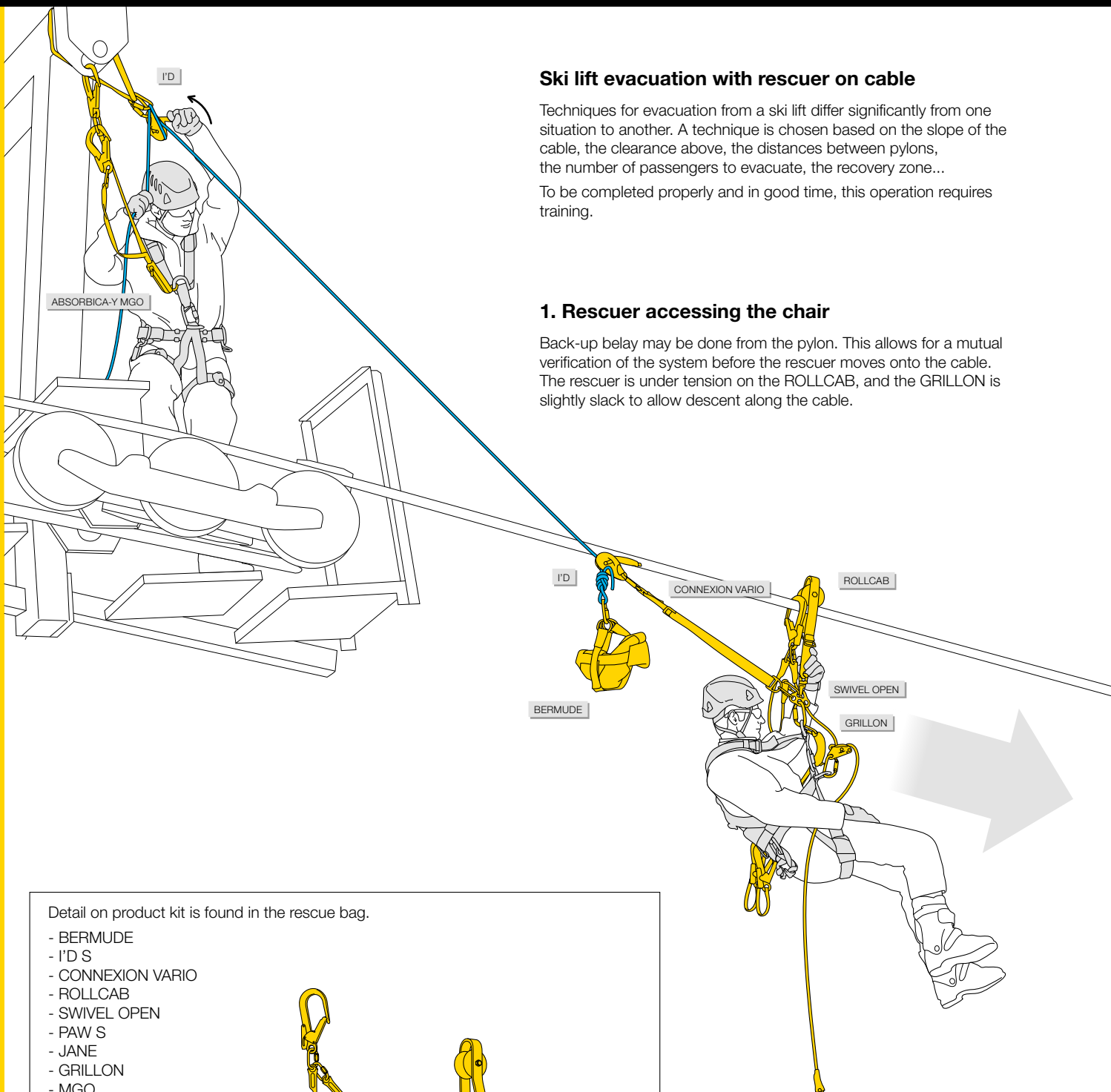
Ski lift evacuation with rescuer on cable

Techniques for evacuation from a ski lift differ significantly from one situation to another. A technique is chosen based on the slope of the cable, the clearance above, the distances between pylons, the number of passengers to evacuate, the recovery zone...

To be completed properly and in good time, this operation requires training.

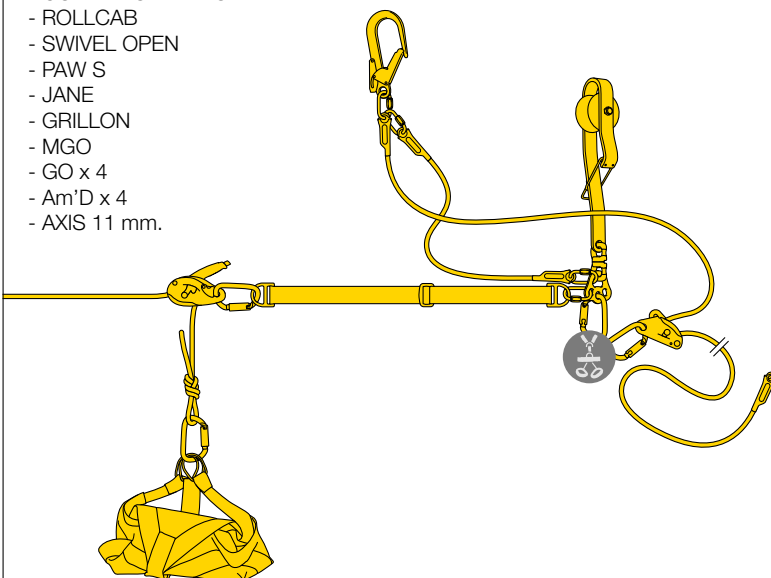
1. Rescuer accessing the chair

Back-up belay may be done from the pylon. This allows for a mutual verification of the system before the rescuer moves onto the cable. The rescuer is under tension on the ROLLCAB, and the GRILLON is slightly slack to allow descent along the cable.



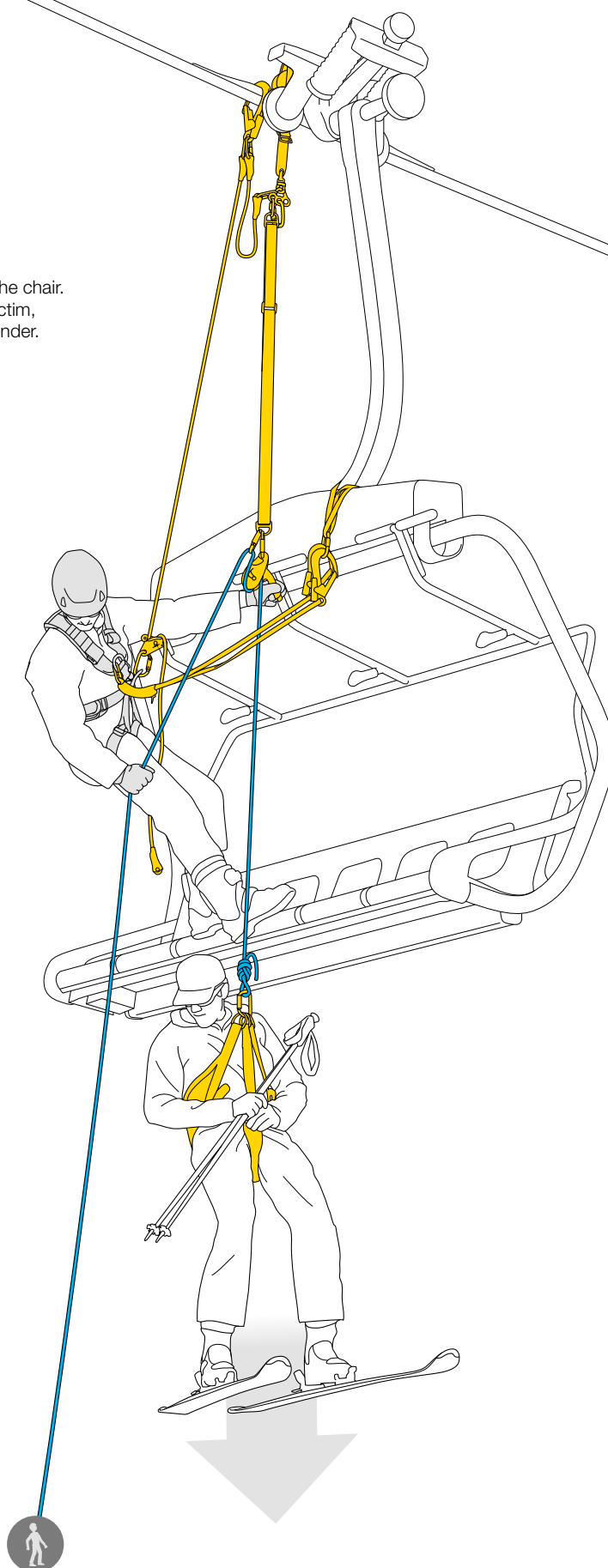
Detail on product kit is found in the rescue bag.

- BERMUDE
- I'D S
- CONNEXION VARIO
- ROLLCAB
- SWIVEL OPEN
- PAW S
- JANE
- GRILLON
- MGO
- GO x 4
- Am'D x 4
- AXIS 11 mm.



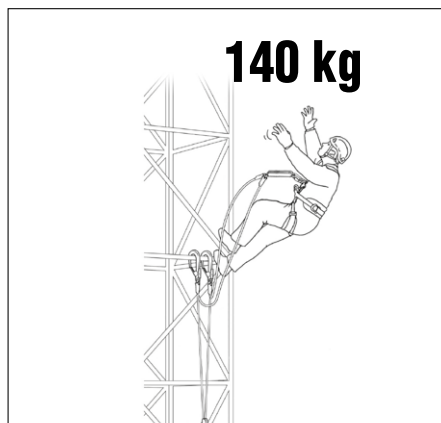
2. Evacuating the passenger

The rescuer descends on the GRILLON to the chair.
He installs the BERMUDE harness on the victim,
then evacuates the victim with his I'D descender.



Petzl's expertise in vertical terrain is expressed by its line of products specifically designed for work at height and rescue professionals.

These products address all of the issues faced by professionals every day: repeated and intensive use of equipment, weather, diverse terrain... They maximize usability, simplicity and ease of use, while meeting the highest quality standard.



Petzl solutions for workers over 100 kg

For workers weighing between 100 and 140 kg (with their equipment), Petzl offers tailored hardware solutions. In particular, these solutions involve:

- the ASAP fall arrester
- GRILLON and ABSORBICA lanyards
- I'D and RIG descenders
- ASCENSION and CROLL rope clamps

Find these solutions in the PRODUCT EXPERIENCE for the products involved at www.petzl.com.

Special products in black

Certain Personal Protective Equipment, such as harnesses, rope clamps for progression... are also available in black. These versions are designed for professions where being discreet is essential. They are indicated in the product descriptions in this catalog.

Equipment inspection

To ensure the longevity of your equipment, it is necessary to inspect it regularly.

The individual identification code is composed like this: 10271AF0721 (example).

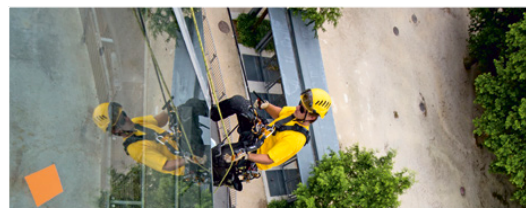
10: year of manufacture

271: day of manufacture in that year

AF: Petzl code related to manufacture

0721: individual identifier

Harnesses



HARNESSES

Helmets



HELMETS

Lanyards and energy absorbers



LANYARDS
ENERGY
ABSORBERS

Mobile fall-arresters



MOBILE FALL
ARRESTERS

Connectors



CONNECTORS

Descenders



DESCENDERS

Rope clamps



ROPE CLAMPS

Pulleys



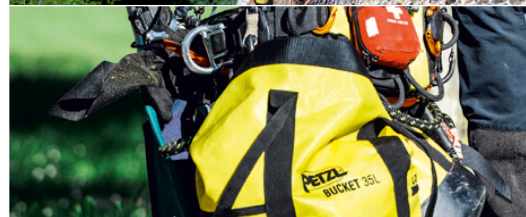
PULLEYS

Anchors and ropes



ANCHORS
ROPES

Packs and accessories



PACKS
ACCESSORIES



Acrosite, Barsalou, Stade des Alpes, Grenoble, France © Petzl / Lafouche

To meet the specific needs of each activity, as well as the different situations encountered in the field, Petzl offers several harness types. These products provide maximum efficiency and security for workers at height. They are simple to use, comfortable and technically adapted to the needs of the tasks for which they are designed. Petzl also offers various accessories that allow supplementary functionality to be integrated into the harness, as well as rescue equipment.

Work positioning and fall arrest harnesses

Versatile and comfortable harnesses for fall arrest and for working in suspension.



AVAO BOD FAST
AVAO BOD



AVAO SIT FAST
AVAO SIT



TOP



TOOLBAG

Harnesses for difficult access

Comfortable harnesses, with integrated ventral rope clamp for ascending a rope.



AVAO BOD CROLL FAST



AVAO SIT FAST
AVAO SIT



TOP CROLL



PODIUM



TOOLBAG

Tree care harnesses

Comfortable harnesses, with attachment bridge, for greater freedom of movement (triangulation facilitating lateral mobility).



SEQUOIA SRT



SEQUOIA

Rescue harnesses

Lightweight and versatile harnesses adapted to different rescue environments.



FALCON



FALCON MOUNTAIN



FALCON ASCENT

Fall arrest harnesses

Simple and easy to don harnesses for fall arrest.



NEWTON FAST JAK



NEWTON

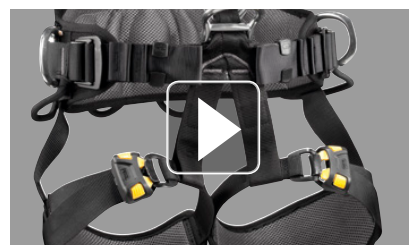
Strong points of AVAO BOD harnesses



AVAO BOD FAST
AVAO BOD



AVAO BOD CROLL FAST



Find the AVAO harness video presentation at www.petzl.com/AVAO.

Comfort



The dorsal construction of the AVAO is X-shaped to more completely envelop the user. This design optimally distributes pressure in order to ensure great comfort during prolonged suspension.



The waistbelt and the leg loops of the AVAO harness are semi-rigid and wide in order to limit pressure points and ensure effective support. These two zones are sculpted and lined with breathable perforated foam for a more comfortable feel and good ventilation. This construction also facilitates harness donning.



The foam shoulder straps are widely spaced to reduce neck chafing.

Ergonomics

Practical adjustment



The AVAO harness may be adjusted at the waistbelt and shoulder straps. These adjustment points are equipped with self-locking DoubleBack buckles. These do not require re-threading to be locked: the harness adjusts easily in seconds.



To facilitate donning the harness with the feet on the ground or with larger footwear, the AVAO harness is also available with new FAST automatic buckles on the leg loops. Once adjusted, these buckles open and close easily and quickly - the harness can be put on without adjusting all the buckles.

Optimal organization of tools



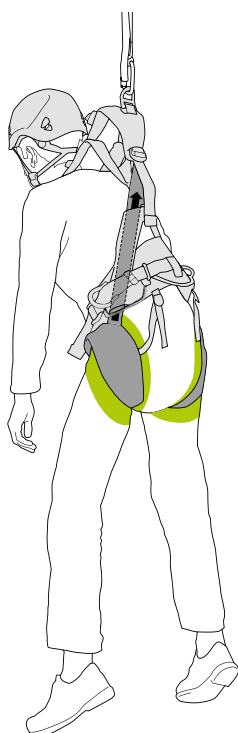
AVAO harnesses are equipped with six equipment loops: on the sides and at the rear of the waistbelt. They are shaped to facilitate clipping carabiners. Each harness also has retainers designed for the CARITOOL tool holder and the TOOLBAG pouch.

Less traumatizing post-fall position

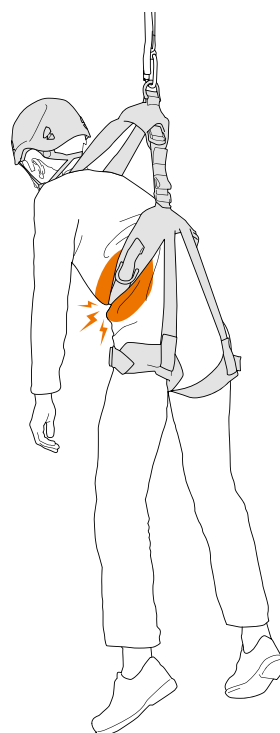
AVAO harnesses are equipped with a dorsal attachment point for connecting a fall arrest system. In case of a fall, the weight of the user is automatically transferred to the leg loops to limit pressure points. This way, the user can remain suspended longer while waiting for rescue.

Warning: Provisions for a rescue plan for each work site should always be made in advance in order to be prepared to rescue a victim as quickly as possible.

AVAO harness



Standard harness



AVAO® BOD

Comfortable work positioning and fall arrest harness



- Designed for comfort in any situation:
 - X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension
 - semi-rigid, wide waistbelt and leg loops for excellent support; sculpted and lined with breathable perforated foam for comfort during suspension
 - foam shoulder straps are widely spaced to reduce neck chafing; when the waistbelt is loaded, they help distribute this load over the shoulders
- Practical adjustment:
 - waistbelt and shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging

- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITOOL tool holder retainers
 - two slots for TOOLBAG tool pouch
- Less traumatizing post-fall position:
 - in case of a fall on the dorsal attachment point, the load is distributed over the leg loops, allowing the user to remain suspended longer while awaiting rescue
- Available in versions certified to European and Russian standards:
 - AVAO BOD (C71AAA): leg loops equipped with self-locking DoubleBack buckles
 - AVAO BOD FAST (C71AFA): leg loops equipped with FAST automatic buckles

- Available in international versions (certified to North American, European and Russian standards), with a fall indicator (a red indicator appears on the dorsal attachment point after a fall to indicate that the harness should be retired):
 - AVAO BOD (C71AAA U): leg loops equipped with self-locking DoubleBack buckles
 - AVAO BOD FAST (C71AFA U): leg loops equipped with FAST automatic buckles
 - AVAO BOD FAST black (C71AFN U): black, leg loops equipped with FAST automatic buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



AVAO® SIT

Work positioning seat harness

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent support; sculpted and lined with breathable perforated foam for comfort during suspension
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITOOL tool holder retainers
 - two slots for TOOLBAG tool pouch
- The rear attachment point on the waistbelt allows connection of a restraint lanyard or a TOP chest harness (new or old version), transforming the harness into a fall arrest harness
- Available in three versions:
 - AVAO SIT (**C79AAA**): leg loops equipped with self-locking DoubleBack buckles
 - AVAO SIT FAST (**C79AFA**): leg loops equipped with FAST automatic buckles
 - AVAO SIT black (**C79AAN**): black, leg loops equipped with self-locking DoubleBack buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



TOP

Chest harness for seat harness

- Transforms the AVAO SIT, FALCON and SEQUOIA SRT seat harnesses into fall arrest harnesses
- Joins at the rear buckle and connects to the ventral attachment point
- Foam shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is loaded, they help distribute the load over the shoulders.
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Sternal attachment point for connecting a fall arrest system
- Available in two versions:
 - TOP (**C81AAA**)
 - TOP black (**C81AAN**): color: black



TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- Available in two sizes:
 - TOOLBAG S (**S47Y S**): for smaller items (measuring tape, pencil, nuts/bolts...), 2.5 liters, 170 g
 - TOOLBAG L (**S47Y L**): for hand tools (hammer, screwdriver...), 5 liters, 240 g

AVAO® BOD CROLL FAST

Comfortable harness for rope access

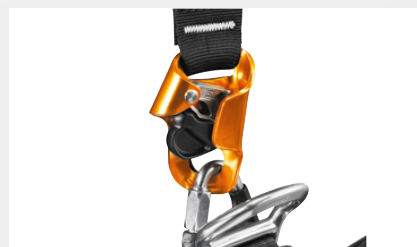


X-shaped dorsal construction

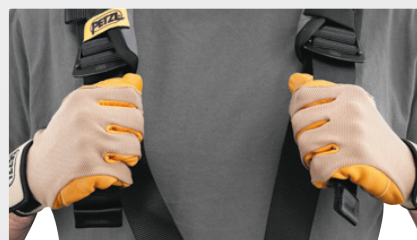
CROLL ventral rope clamp

Reinforced semi-rigid waistbelt

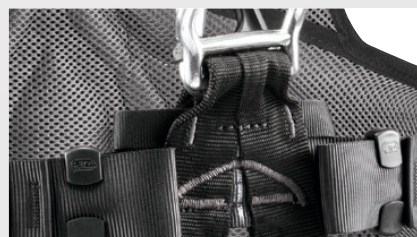
Leg loops equipped with FAST automatic buckles



Integrated CROLL ventral rope clamp. The shoulder-strap/waistbelt connector is equipped with a captive bar to inhibit connector rotation.



Shoulder straps with self-locking DoubleBack buckles for easier harness adjustment.



Two connection points allow a PODIUM seat to be attached, for greater comfort during prolonged suspension.

- Integrated CROLL ventral rope clamp for ascending ropes
- Built for comfort:
 - X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension
 - semi-rigid, wide waistbelt and leg loops for excellent support; sculpted and lined with breathable perforated foam for comfort during suspension
 - foam shoulder straps are widely spaced to reduce neck chafing; when the waistbelt is loaded, they help distribute this load over the shoulders
 - hooking points for installing a PODIUM seat for use in prolonged suspension

- Practical adjustment:
 - waistbelt and shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - leg loops equipped with FAST buckles for quick and easy opening and fastening without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITOOL tool holder retainers
 - two slots for TOOLBAG tool pouch
- Less traumatizing post-fall position:
 - in case of a fall on the dorsal attachment point, the load is distributed over the leg loops, allowing the user to remain suspended longer while awaiting rescue

- Available in European version (certified to European and Russian standards):
 - AVAO BOD CROLL FAST (C71CFA)
- Available in international versions (certified to North American and European standards), with a fall indicator (a red indicator appears on the dorsal attachment point after a fall to indicate that the harness should be retired):
 - AVAO BOD CROLL FAST (C71CFA U)
 - AVAO BOD CROLL FAST black (C71CFN U): black color

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



AVAO® SIT

Work positioning seat harness

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent support; sculpted and lined with breathable perforated foam for comfort during suspension
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITool tool holder retainers
 - two slots for TOOLBAG tool pouch
- The rear attachment point on the waistbelt allows connection of a restraint lanyard, or a TOP CROLL (new or old version) to make the harness into a rope access harness
- Available in three versions:
 - AVAO SIT (C79AAA): leg loops equipped with self-locking DoubleBack buckles
 - AVAO SIT FAST (C79AFA): leg loops equipped with FAST automatic buckles
 - AVAO SIT black (C79AAN): black, leg loops equipped with self-locking DoubleBack buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



TOP CROLL C81CAA

Chest harness for seat harness, with integrated CROLL ventral rope clamp

- Integrates a CROLL ventral rope clamp to transform the AVAO SIT, FALCON, FALCON ASCENT and SEQUOIA SRT harnesses into rope access harnesses
- Joins at the rear buckle and connects to the ventral attachment point with the DELTA directional connector
- Foam shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is loaded, they help distribute the load over the shoulders.
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Sternal attachment point for connecting a fall arrest system



PODIUM



TOOLBAG

PODIUM S70

Podium seat designed for prolonged suspension

- Wide, comfortable sitting position offers excellent stability
- Rigid sides prevent the webbing straps from cutting into the thighs
- Straps are adjustable with self-locking DoubleBack buckles
- Three equipment loops
- Easily positioned on the back when not in use
- Weight: 1170 g

TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- Available in two sizes:
 - TOOLBAG S (S47Y S): for smaller items (measuring tape, pencil, nuts/bolts...), 2.5 liters, 170 g
 - TOOLBAG L (S47Y L): for hand tools (hammer, screwdriver...), 5 liters, 240 g

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

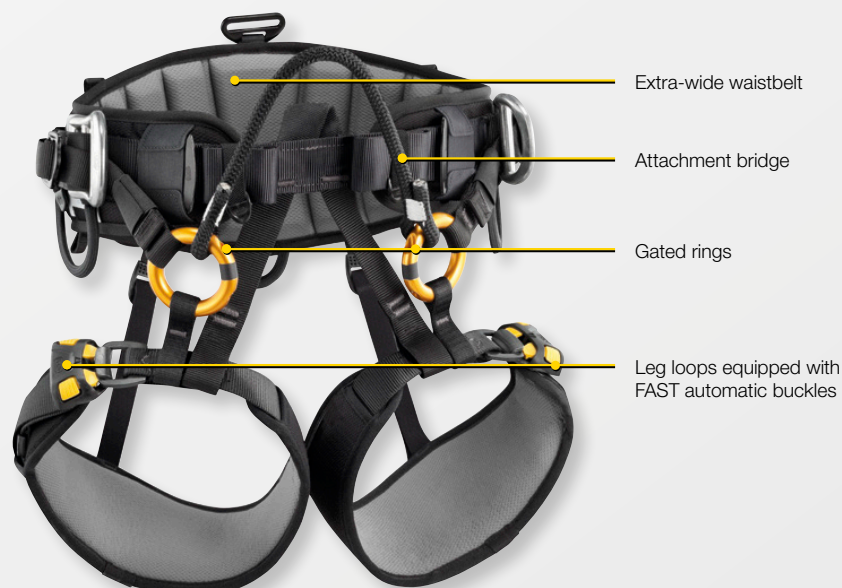
PULLEYS

ANCHORS
ROPES

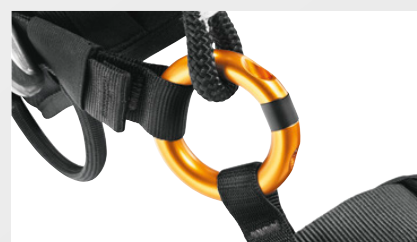
PACKS
ACCESSORIES

SEQUOIA SRT C69BFA

Tree care seat harness for single rope ascent techniques



Sculpted waistbelt is lined with perforated foam for improved comfort when suspended.



Gated rings for installing accessories (RING or SWIVEL) directly or for changing the attachment bridge (adjustable or fixed).

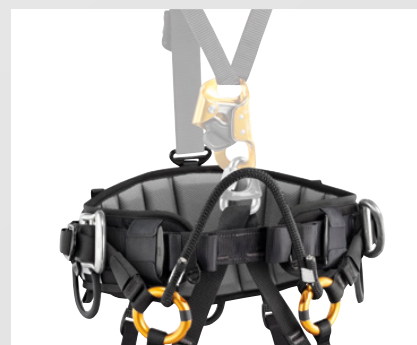
- Harness designed for ascents on a single rope: ventral attachment point and rear buckle for installing a CROLL ventral rope clamp with SECUR shoulder straps
- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with perforated foam for comfort during suspension
 - foam on leg loops can be adjusted for perfect positioning
 - mobile side attachment points allow the user to follow the orientation of the lanyard during lateral movement
 - 30 cm attachment bridge improves lateral mobility
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - leg loops equipped with FAST buckles for quick and easy opening and fastening without the need to readjust them, even while wearing gloves
 - buckles to adjust weight distribution between the waistbelt and the leg loops
 - gated rings for installing accessories directly on the attachment bridge (RING or SWIVEL) or for changing the attachment bridge (adjustable or fixed)

- Facilitates carrying and organization of tools:
 - seven pre-shaped equipment loops with protective sheath
 - five slots for CARITool tool holder
 - two retainers for a carabiner to hold a chainsaw or handsaw
 - elastic for attaching a first aid kit
- Can be accessorized in order to adapt the harness to its use:
 - seat (**S69**), which improves comfort during prolonged suspension
 - shoulder straps (**C69B**): connect to the ventral attachment point and the two rear slots on the waistbelt to transfer the load from the waistbelt to the shoulders

Find the SEQUOIA harness video presentation at www.petzl.com/SEQUOIA.



Waistbelt designed to facilitate carrying and organization of tools.



Ventral attachment point and rear buckle for installing a CROLL ventral rope clamp with SECUR shoulder straps.



Shoulder straps for SEQUOIA SRT harness



Seat for SEQUOIA
and SEQUOIA SRT harness



RING S

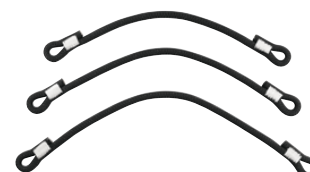


RING L

**NEW
2015**



Adjustable attachment bridge for SEQUOIA
and SEQUOIA SRT harness



Attachment bridge for SEQUOIA
and SEQUOIA SRT harness

SEQUOIA C69AFA

Tree care seat harness for doubled rope ascent techniques

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with perforated foam for comfort during suspension
 - foam on leg loops can be adjusted for perfect positioning
 - mobile side attachment points allow the user to follow the orientation of the lanyard during lateral movement
 - 30 cm attachment bridge improves lateral mobility
- Practical adjustment:
 - waistbelt and leg loops equipped with FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - buckles to adjust weight distribution between the waistbelt and the leg loops
 - gated rings to adapt the length of the attachment bridge and to install accessories directly on the attachment bridge (RING, SWIVEL)
- Facilitates carrying and organization of tools:
 - seven pre-shaped equipment loops with protective sheath
 - five slots for CARITOOL tool holder
 - two retainers for a carabiner to hold a chainsaw or handsaw
 - elastic for attaching a first aid kit
- May be used with seat accessory (S69) to improve comfort during prolonged suspension

Shoulder straps for SEQUOIA SRT harness C69B

- Take up the load on the waistbelt to better distribute it over the shoulders
- Shoulder straps are widely spaced to reduce neck chafing
- Connects to the ventral attachment point of the SEQUOIA SRT harness and to the two slots at the rear of the waistbelt
- DoubleBack self-locking buckle for quick, easy adjustment
- Weight: 280 g

Seat S69

- Wide, comfortable seat for working comfortably during suspension
- Adjustable width to reduce bulk and facilitate movement within the tree
- Straps adjust with self-locking DoubleBack buckles for quick and easy adjustment
- Easy to position on the back when not in use
- Connects to the two gated rings of the SEQUOIA and SEQUOIA SRT harnesses
- Weight: 950 g

RING

Connection ring

- Designed for direct installation on the SEQUOIA or SEQUOIA SRT harness's attachment bridge to improve the arborist's lateral mobility: the round shape ensures a firm stop against the gated rings.
- Breaking strength: 23 kN
 - Certification(s): CE
 - Available in two sizes:
 - RING S (C04620): 40 g
 - RING L (C04630): 70 g

Adjustable attachment bridge C69R

- Offers greater lateral mobility to the arborist
- Allows the position of progression tools installed on the bridge to be adjusted
- Very quick and precise length adjustment thanks to the ergonomic shape of the ADJUST rope clamp
- Connects to the two gated rings of the SEQUOIA and SEQUOIA SRT harnesses
- Length: 180 cm
- Certification(s): CE EN 358
- Weight: 220 g

Attachment bridge C69F

- Offers greater lateral mobility to the arborist
- Connects to the two gated rings of the SEQUOIA and SEQUOIA SRT harnesses
- Certification(s): CE EN 358
- Available in 3 lengths:
 - 25 cm, 43 g (C69F 25)
 - 30 cm, 45 g (C69F 30)
 - 35 cm, 46 g (C69F 35)

FALCON

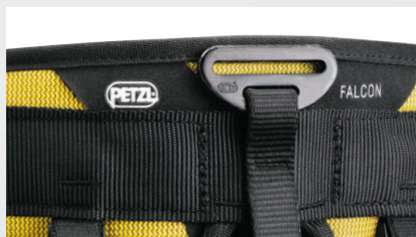
Lightweight seat harness for rescue

The waistbelt and leg loops are compact and lightweight for excellent mobility



Textile side attachment points for occasional use

- Waistbelt and leg loops lined with breathable perforated foam for maximum comfort
- A ventral attachment point that distributes the load between the waistbelt and the leg loops during suspended work
- Two textile side attachment points (for occasional use) distribute the load evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Rear attachment buckle for attaching TOP or TOP CROLL chest harnesses
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITOOL tool holder
- Available in two versions:
 - FALCON (C38AAA)
 - FALCON black (C38AAN): color: black



The rear buckle allows a TOP chest harness to be attached when winching a load up to a helicopter, or a TOP CROLL chest harness to transform the FALCON into a difficult-access harness



FALCON

MOUNTAIN C38CAA

Seat harness for mountain rescue

- Waistbelt and leg loops lined with breathable foam for maximum comfort
- Bridge construction for optimum mobility when progressing with climbing techniques
- Two textile side attachment points (for occasional use) distribute the load evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITOOL tool holder



CHEST'AIR C98A

Chest harness for seat harnesses

- Transforms the FALCON, FALCON MOUNTAIN, AVAO SIT and SEQUOIA SRT seat harnesses into fall arrest harnesses
- Connects simply to the harness ventral attachment point for rapid installation
- Textile sternal attachment point does not interfere when not in use
- Ventral straps and shoulder straps equipped with DoubleBack buckles to quickly adapt the chest harness to all body types
- Chest size: 145 cm maximum



FALCON ASCENT C38BAA

Seat harness, efficient for rope ascents

- Waistbelt and leg loops lined with breathable perforated foam for maximum comfort
- Two-part ventral attachment point increases the efficiency of rope ascents when using a CROLL ventral rope clamp
- Two textile side attachment points (for occasional use) distribute the load evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Harness can be used with the CROLL ventral rope clamp, in combination with the SECUR shoulder straps or the TOP CROLL chest harness (connection point at rear of waistbelt)
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITOOL tool holder



OMNI TRIACT-LOCK



OMNI SCREW-LOCK

OMNI

Multi-directional semi-circle carabiner

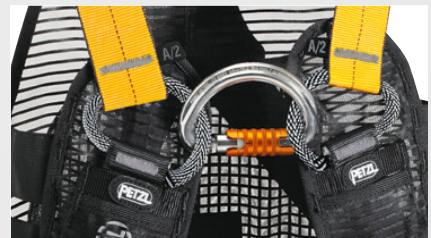
- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 TL): TRIACT-LOCK
 - OMNI (M37 SL): SCREW-LOCK
- Also available in black:
 - OMNI (M37 TLN): TRIACT-LOCK black
 - OMNI (M37 SLN): SCREW-LOCK black

NEWTON FAST JAK C73JF0

Basic modular fall arrest harness with JAK vest

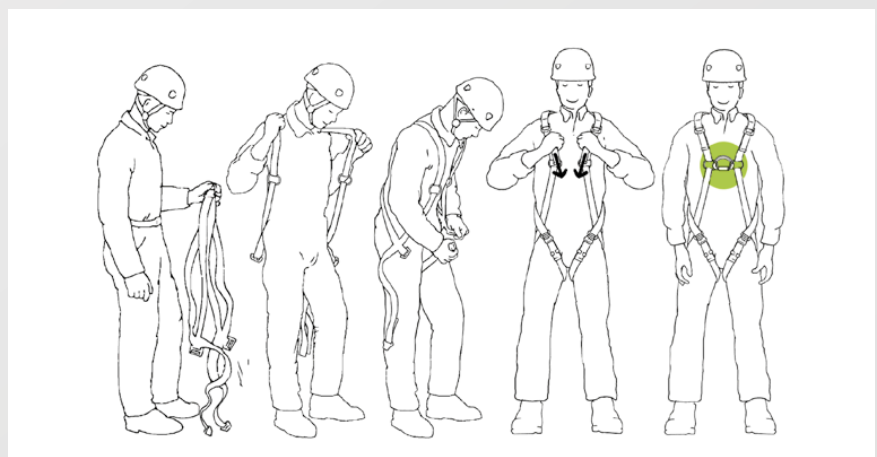


The JAK vest and the automatic FAST buckles make the harness easy to put on



The two-part sternal attachment point is used with the semi-circular OMNI carabiner

- JAK vest facilitates proper donning of the harness
- FAST rapid buckles on leg loops allow the harness to be put on easily with both feet on the ground
- A sternal and a dorsal attachment point for connecting a fall arrest system
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Two equipment loops with protective sheath
- Work positioning on the side attachment points is possible with the PAD FAST waistbelt
- Upright descent with the help of the LIFT spreader
- Also available in a black version without dorsal attachment point: NEWTON FAST JAK STERNAL (C73JFN)



The harness can be donned with both feet on the ground, while retaining its adjustment settings, thanks to the two-part attachment point and FAST buckles



NEWTON C73000

Basic modular fall arrest harness

- Upper and lower straps are different colors to facilitate donning the harness correctly
- A sternal and a dorsal attachment point for connecting a fall arrest system
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Two equipment loops with protective sheath
- Work positioning on the side attachment points is possible with the PAD FAST waistbelt
- Upright descent with the help of the LIFT spreader



OMNI TRIACT-LOCK

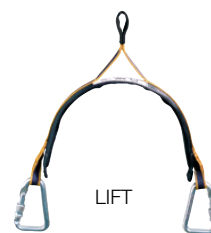


OMNI SCREW-LOCK

OMNI

Multi-directional semi-circle carabiner

- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 TL): TRIACT-LOCK
 - OMNI (M37 SL): SCREW-LOCK
- Also available in black:
 - OMNI (M37 TLN): TRIACT-LOCK black
 - OMNI (M37 SLN): SCREW-LOCK black



LIFT



PAD FAST



JAK

LIFT L54

Spreader for NEWTON harness allows upright descent (for confined spaces)

- Triangular carabiners for easier insertion into harness slots
- Rigid structure keeps its shape around the head
- Weight: 520 g
- Certification(s): CE

PAD FAST

Work positioning waistbelt for NEWTON harness

- Transforms the basic fall arrest harness into a work positioning and fall arrest harness
- Comfortable for work positioning with the feet supported against a surface
- Two side attachment points
- FAST rapid buckle for easy and quick opening and fastening without the need to readjust
- Certification(s): CE EN 358
- Available in three sizes:
 - size 0 (C89 0F): 60 - 95 cm (344 g)
 - size 1 (C89 1F): 75 - 105 cm (387 g)
 - size 2 (C89 2F): 95 - 120 cm (417 g)

JAK

Pre-shaped vest makes it easier to don the NEWTON harness

- Keeps the harness in shape, ready to don
- Attaches with loops and Velcro patches
- Breathable mesh fabric
- Available in two sizes:
 - size 1 (C73101 1): 250 g
 - size 2 (C73101 2): 290 g

The NEST litter was developed in partnership with the French national caving rescue organization. It is therefore ideal for all technical rope rescue, particularly in confined spaces.



NEST S61

Litter for confined spaces

- Allows the victim to be transported horizontally, vertically or at an angle, to adapt to irregular or narrow terrain
- Litter has a complete body harness integrated in it to secure the victim. Color coded to avoid any installation error
- DoubleBack self-locking buckles for quick, easy adjustment
- Smooth, rigid plastic bottom ensures good sliding
- Foam padding provides comfort for the victim's back
- Rigid stays can be removed to reduce bulk during access
- Optional accessory: STEF inclination device allows the litter to be easily tilted according to the terrain
- Weight: 12.8 kg
- Dimensions: 200 x 50 x 5 cm

STEF S59

Tilting device for NEST litter

- Allows the litter to be easily tilted according to the terrain
- TRIACT-LOCK directional connectors automatically lock the three connection points
- Swivel allows the litter to be precisely oriented
- SPIRIT carabiner integrated for fixing the litter in horizontal position
- Weight: 600 g

Evacuation triangles are mainly used for rescue, on ski lifts and by firefighters. They are used to evacuate unequipped people as quickly as possible.



PITAGOR



BERMUDE

PITAGOR C80 BR

Evacuation triangle with shoulder straps

- Shoulder straps make it easy to put on
- Adjusts quickly and easily on the victim with self-locking DoubleBack buckles
- Certification(s): CE EN 1497, EN 1498
- Weight: 1290 g

BERMUDE C80

Evacuation triangle without shoulder straps

- Easy and quick to put on (even on a sitting person)
- Adapts to different builds without adjustment (many position options on attachment points)
- Certification(s): EN 1498
- Weight: 795 g



RING OPEN P28

Multi-directional gated ring

- Ring designed for semi-permanent connection of the equipment to the harness
- Round shape ensures optimal functioning in all directions
- Wide opening allows installation of ropes with sewn terminations
- Breaking strength: 23 kN
- Weight: 70 g
- Certification(s): CE EN 362



TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- Available in two sizes:
 - TOOLBAG S (**S47Y S**): for smaller items (measuring tape, pencil, nuts/bolts...), 2.5 liters, 170 g
 - TOOLBAG L (**S47Y L**): for hand tools (hammer, screwdriver...), 5 liters, 240 g



CARITOOOL

Tool holder

- Tools accessed and organized with one hand
- Flat top aids in sorting attached gear
- Small hole on top for attaching keeper cord to tools
- Slips through the waistbelt slots or on the harness straps and stays in place, thanks to its stabilizing clip
- Available in two sizes:
 - CARITOOOL (**P42**): maximum load: 5 kg, weight: 25 g
 - CARITOOOL L (**P42 L**): maximum load: 15 kg, weight: 60 g

Note: This tool holder is not PPE.

		European version		International version		
		reference	certification	reference	certification	
	AVAO BOD	C71AAA 0	CE EN 361 CE EN 358 CE EN 813 EAC	C71AAA 0U	ANSI Z359.1 NFPA 1983 Class III CSA Z259.10 CE EN 361 CE EN 358 CE EN 813 EAC	
		C71AAA 1		C71AAA 1U		
		C71AAA 2		C71AAA 2U		
	AVAO BOD FAST	C71AFA 0		C71AFA 0U / C71AFN 0U		
		C71AFA 1		C71AFA 1U / C71AFN 1U		
		C71AFA 2		C71AFA 2U / C71AFN 2U		
	AVAO BOD CROLL FAST	C71CFA 0	CE EN 361 CE EN 358 CE EN 813 CE EN 12841 type B EAC	C71CFA 0U / C71CFN 0U	ANSI Z359.1 CSA Z259.10 CE EN 361 CE EN 358 CE EN 813 CE EN 12841 type B	
		C71CFA 1		C71CFA 1U / C71CFN 1U		
		C71CFA 2		C71CFA 2U / C71CFN 2U		
	AVAO SIT	C79AAA 1 / C79AAN 1	CE EN 358 CE EN 813 EAC	-	-	
		C79AAA 2 / C79AAN 2				
	AVAO SIT FAST	C79AFA 0				
		C79AFA 1				
		C79AFA 2				
	TOP	C81AAA / C81AAN	CE EN 361 (with an AVAO SIT, NAVAHO SIT, FALCON, SEQUOIA SRT) EAC (C81AAA)	-	-	
	TOP CROLL	C81CAA	CE EN 361 (with an AVAO SIT, NAVAHO SIT, FALCON, FALCON ASCENT, SEQUOIA SRT) CE EN 12841 type B EAC	-	-	
	SEQUOIA SRT	C69BFA 1	CE EN 358 CE EN 813 EAC	-	-	
		C69BFA 2				
	SEQUOIA	C69AFA 1	CE EN 358 CE EN 813			
		C69AFA 2				
	FALCON	C38AAA 1 / C38AAN 1	CE EN 358 CE EN 813 EAC	-	-	
		C38AAA 2 / C38AAN 2				
	FALCON MOUNTAIN	C38CAA 1	CE EN 813 CE EN 358 CE EN 12277 type C			
		C38CAA 2				
	FALCON ASCENT	C38BAA 1	CE EN 813 CE EN 358 EAC			
		C38BAA 2				
		C98A	CE EN 361 (with a FALCON, FALCON MOUNTAIN, AVAO SIT, SEQUOIA SRT seat harness) CE EN 12277 type D	-	-	
	NEWTON FAST JAK	C73JF0 0	CE EN 361 EAC	-	-	
		C73JF0 1 / C73JFN 1S				
		C73JF0 2 / C73JFN 2S				
	NEWTON	C73000 1				
		C73000 2				

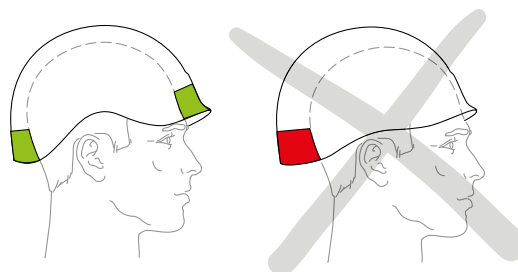
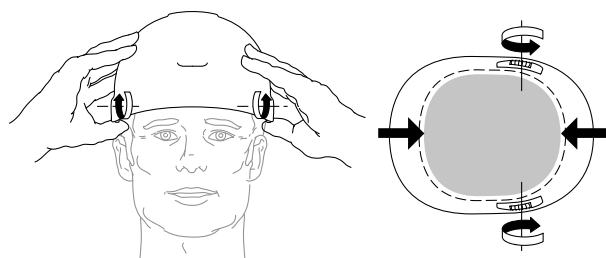
	Attachment point				Size			Weight	
	dorsal	sternal	ventral	lateral	Waistbelt	Leg loops	Height		
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2055 g	HARNESSES
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2100 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2180 g	
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2145 g	HELMETS
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2190 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2270 g	
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2330 g	LANYARDS ENERGY ABSORBERS
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2375 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2455 g	
	-	-	●	●	70 - 110 cm	45 - 65 cm	-	1125 g	
	-	-	●	●	80 - 130 cm	60 - 75 cm	-	1140 g	
	-	-	●	●	60 - 90 cm	45 - 65 cm	-	1200 g	MOBILE FALL ARRESTERS
	-	-	●	●	70 - 110 cm	45 - 65 cm	-	1215 g	
	-	-	●	●	80 - 130 cm	60 - 75 cm	-	1230 g	
	-	●	-	-	-	-	160 - 200 cm	660 g	CONNECTORS
	-	●	-	-	-	-	160 - 200 cm	880 g	
	-	-	●	●	70 - 100 cm	50 - 65 cm	-	1530 g	DESCENDERS
	-	-	●	●	85 - 120 cm	60 - 75 cm	-	1590 g	
	-	-	●	●	65 - 100 cm	50 - 65 cm	-	1390 g	
	-	-	●	●	85 - 120 cm	60 - 75 cm	-	1450 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	840 g	ROPE CLAMPS
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	930 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	795 g	
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	830 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	780 g	
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	800 g	
	-	●	-	-	-	-	-	495 g	PULLEYS
	●	●	-	-	68 - 95 cm	45 - 60 cm	165 - 180 cm	960 g	ANCHORS ROPES
	● / -	●	-	-	75 - 104 cm	53 - 66 cm	173 - 187 cm	1020 g / 890 g	
	● / -	●	-	-	97 - 125 cm	55 - 75 cm	180 - 194 cm	1070 g / 930 g	
	●	●	-	-	75 - 104 cm	53 - 66 cm	173 - 187 cm	780 g	
	●	●	-	-	97 - 125 cm	55 - 75 cm	180 - 195 cm	810 g	



CenterFit adjustment

The headband is adjusted with the simultaneous action of the two CenterFit adjustment wheels. The adjustment wheels are easy to manipulate while wearing gloves.

The CenterFit system allows the helmet to be perfectly centered on the head for a better fit.



Adding accessories

VERTEX and ALVEO helmets adapt to your lighting needs and additional protection requirements in seconds.

For self-protection: the user can install a protective VIZIR, VIZIR SHADOW or VIZEN eye shield using the two side inserts, and can add hearing protection with the two side slots.

For lighting: each helmet has a front and rear mounting slot for attachment of a PIXA or ULTRA VARIO headlamp, and four positioning hooks for mounting a headlamp with an elastic headband.
















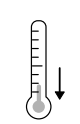
Personalizing

Each user can adapt his/her VERTEX or ALVEO helmet according to the need:

- **Page of transparent stickers:** allows the user to display a personal marking on the helmet
- **Page of reflective stickers:** provides better visibility in the dark
- **Absorbent foam:** textile foam ensures better absorption of perspiration, needs regular maintenance
- **Replacement foams:** foams similar to those provided with each helmet do not absorb perspiration



In the absence of specific European helmet standards for work at height, Petzl references different existing standards to develop its line of helmets suited to the needs of professionals:

			  			 		
			VERTEX BEST	ALVEO BEST	VERTEX BEST DUO LED 14	VERTEX VENT	ALVEO VENT	VERTEX ST
	Protection against mechanical impacts	EN 397		•			•	•
		EN 12492		•			•	•
	Ventilation	EN 12492		-			•	-
	Protection against electrical risks	EN 397	•		-		-	•
		EN 50365	•		-		-	•
	Limited risk of choking in case of helmet snagging	EN 397		-			-	• ⁽¹⁾
	Limited risk of losing helmet during a fall	EN 12492		• ⁽²⁾			• ⁽²⁾	-
	Protection against molten metal splash	EN 397		•			-	•
	Protection against lateral deformation	EN 397		•		•	-	•
	Use at low temperatures	EN 397		•		•	-	•
European certifications:			CE			CE EN 12492 ⁽⁴⁾		CE EN 397 CE EN 50365
US certifications:			ANSI Z89.1-2009 type I class E			ANSI Z89.1-2009 type I class C ⁽⁴⁾		ANSI Z89.1-2009 type I class E
Canadian certifications:			CSA Z94.1-05 type 1 class E ⁽³⁾	-		- ⁽⁴⁾		-

(1) Chinstrap designed to release if snagged (strength less than 25 daN).

(2) Chinstrap limits risk of losing helmet during a fall (strength greater than 50 daN).

(3) See product guide.

(4) ALVEO VENT is also UIAA certified.

VERTEX

VERTEX helmets have a six-point webbing suspension system for maximum comfort on the head. Shock absorption achieved through deformation of the outer shell
Weight: 455 g



Comfortable helmets

• For work at height and rescue

Helmets with mesh headband for optimal comfort and a strong chinstrap.



VERTEX BEST



VERTEX BEST DUO LED 14



VERTEX VENT

• For industrial use

Helmets with mesh headband for optimal comfort and a strong chinstrap designed to release when snagged.



VERTEX ST

ALVEO

ALVEO helmets have an internal expanded polystyrene foam liner for reduced weight. Shock is absorbed by deformation of this liner.
Weight: 350 g



Lightweight helmets

• For work at height and rescue

Helmet with expanded polystyrene liner for less weight and a strong chinstrap.



ALVEO BEST



ALVEO VENT

VERTEX and ALVEO helmet accessories



VIZIR



VIZIR SHADOW



VIZEN



Absorbent foam



Replacement foams



Transparent stickers
Reflective stickers

VERTICALITY

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

VERTEX® BEST

Comfortable helmet for work at height and rescue



Slot for mounting
PIXA or ULTRA VARIO
headlamp

Adjustable and
removable chinstrap

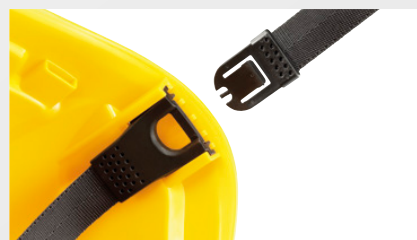


- Optimal protection for work at height:
 - shock absorption achieved through deformation of the outer shell
 - closed shell for protection against electrical risk and molten metal splash
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Very comfortable to wear:
 - six-point textile suspension conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (headlamp clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (side inserts)
 - hearing protection (side slots)
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning

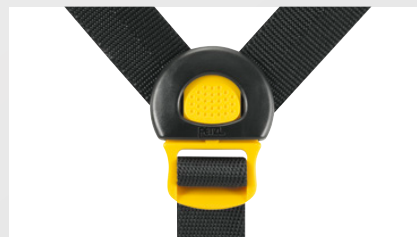
- Replacement chinstrap available:
 - standard version (**A10300**)
 - version for black VERTEX BEST (**A10310**)
 - Size: 53-63 cm
 - Weight: 455 g
 - Available in versions certified for European and United States standards, available in six colors:
 - VERTEX BEST (**A10BYB**): yellow
 - VERTEX BEST (**A10BWB**): white
 - VERTEX BEST (**A10BRB**): red
 - VERTEX BEST (**A10BNB**): black
 - VERTEX BEST (**A10BOB**): orange
 - VERTEX BEST (**A10BBB**): blue
 - Versions certified for European, United States and Canadian standards, available in six colors:
 - VERTEX BEST (**A10BYC**): yellow
 - VERTEX BEST (**A10BWC**): white
 - VERTEX BEST (**A10BRC**): red
 - VERTEX BEST (**A10BNC**): black
 - VERTEX BEST (**A10BOC**): orange
 - VERTEX BEST (**A10BBC**): blue
- NB : the chinstrap is not removable for these versions



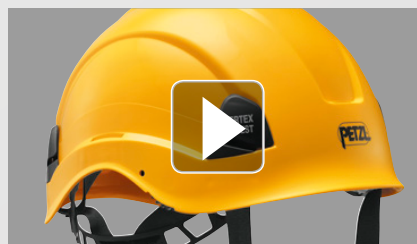
Headband can be adjusted, even while wearing gloves, by simultaneously turning the two adjustment wheels. The CenterFit system allows the helmet to be perfectly centered on the head for a better fit.



Chinstrap is easily removed for changing or cleaning.



The chinstrap and buckle closure are designed to limit the risk of losing the helmet in case of a fall



Go to www.petzl.com/VERTEX for the video featuring the helmet and its accessories



VERTEX® BEST

DUO LED 14 A10BWF

Comfortable helmet with integrated hybrid lighting

- VERTEX BEST helmet with durable headlamp that is waterproof to -5 meters (IP X8)
- Choose between two powerful light sources, according to the situation:
 - focused, distance lighting has adjustable zoom with halogen bulb
 - close-range lighting with three lighting modes (maximum, optimum, economic) and a long burn time, with fourteen LEDs for a constant level of lighting until the batteries are almost discharged
- Comfortable and practical:
 - on/off switch locks to prevent inadvertently turning on the headlamp
 - lamp body can be tilted
 - spare halogen bulb in the head of the lamp
- Replacement chinstrap available (**A10300**)
- Headband: 53-63 cm
- Weight: 625 g (including batteries)

Find all lighting performance information for the DUO LED 14 headlamp on page 155.

VERTEX® VENT

Comfortable ventilated helmet for work at height and rescue

- Excellent protection for work at height:
 - shock absorption achieved through deformation of the outer shell
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Very comfortable to wear:
 - six-point textile suspension conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - Vent holes with sliding shutters allow the ventilation to be adjusted as needed, while wearing the helmet.
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (headlamp clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (side inserts)
 - hearing protection (side slots)
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning
- Replacement chinstrap available:
 - standard version (**A10300**)
 - version for black VERTEX VENT (**A10310**)
- Headband: 53-63 cm
- Weight: 455 g
- Available in six colors:
 - VERTEX VENT (**A10VYB**): yellow
 - VERTEX VENT (**A10VWB**): white
 - VERTEX VENT (**A10VRB**): red
 - VERTEX VENT (**A10VNB**): black
 - VERTEX VENT (**A10VOB**): orange
 - VERTEX VENT (**A10VBB**): blue

VERTEX® ST

Comfortable helmet for industry

- Optimal protection for industry:
 - shock absorption achieved through deformation of the outer shell
 - its closed shell offers protection against electrical risk and molten metal splash
 - limits risk of choking, thanks to a chinstrap designed to release if snagged (strength less than 25 daN)
- Very comfortable to wear:
 - six-point textile suspension conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - chinstrap can be removed when not in use
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (headlamp clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (side inserts)
 - hearing protection (side slots)
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning
- Replacement chinstrap available (**A10320**)
- Headband: 53-63 cm
- Weight: 455 g
- Available in two colors:
 - VERTEX ST (**A10SWB**): white
 - VERTEX ST (**A10SRB**): red

ALVEO VENT

Ventilated helmet for work at height and rescue



Slot for mounting
PIXA or ULTRA VARIO
headlamp

Adjustable chinstrap



Headband can be adjusted, even while wearing gloves, by simultaneously turning the two adjustment wheels. The CenterFit system allows the helmet to be perfectly centered on the head for a better fit



The chinstrap and buckle closure are designed to limit the risk of losing the helmet in case of a fall



Go to www.petzl.com/ALVEO for the video featuring the helmet and its accessories.

- Excellent protection for work at height:
 - impacts are absorbed by deformation of the expanded polystyrene liner
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Built for reduced weight
- Comfortable to wear:
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - ventilation holes allow airflow through the helmet
 - comes with two sizes of headband foam

- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (headlamp clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (side inserts)
 - hearing protection (side slots)
- Headband: 53-63 cm
- Weight: 340 g
- Available in three colors:
 - ALVEO VENT (A20VYA): yellow
 - ALVEO VENT (A20VWA): white
 - ALVEO VENT (A20VRA): red

Contains Alveolen® of Sekisui Alveo AG.



ALVEO BEST

Lightweight helmet for work at height and rescue

- Optimal protection for work at height:
 - impacts are absorbed by deformation of the expanded polystyrene liner
 - its closed shell offers protection against electrical hazards and molten metal spray
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Built for reduced weight
- Comfortable to wear:
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (headlamp clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (side inserts)
 - hearing protection (side slots)
- Headband: 53-63 cm
- Weight: 350 g
- Available in three colors:
 - ALVEO BEST (A20BYA): yellow
 - ALVEO BEST (A20BWA): white
 - ALVEO BEST (A20BRA): red

Contains Alveolen® of Sekisui Alveo AG.



VIZIR



VIZIR SHADOW



VIZEN

VIZIR A15A

Protective eye shield for VERTEX and ALVEO helmets

- Mounting inserts for easy installation on VERTEX (2011 version and later) and ALVEO helmets
- Pivots quickly from work position to storage position on top of the helmet
- Scratch- and fog-resistant
- Weight: 65 g
- Certification(s): CE EN 166, 1B, ANSI Z87.1-2010

VIZIR SHADOW A15AS

Tinted eye shield for VERTEX and ALVEO helmets

- Technical specifications identical to those for the VIZIR
- Level 2.5 solar protection filter protects the eyes from sun
- Additional certification: CE EN 172, 5-2.5

VIZEN A14

Eye shield with electrical protection for VERTEX and ALVEO helmets

- Ultra-wrap shield completely protects face against dangers of an electric arc
- Mounting inserts for easy installation on VERTEX (2011 version and later) and ALVEO helmets
- Pivots quickly from work position to storage position on top of the helmet
- Scratch- and fog-resistant
- Weight: 180 g
- Certification(s):
 - CE EN 166, 1BT8
 - CE EN 170, 2C-1,2
 - ANSI Z87.1-2010
 - GS ET-29, class 1



Transparent stickers



Reflective stickers



Absorbent foam



Replacement foams

Transparent stickers A10100

- Page of 36 transparent stickers for personalizing VERTEX and ALVEO helmets
- Marking with permanent marker or laser printer

Reflective stickers

- Page of four pre-cut reflective stickers for increased visibility
- Available in two versions:
 - for VERTEX helmet (A10110)
 - for ALVEO helmet (A20110)

Absorbent foam

- Comfort foam absorbs perspiration
- Needs regular maintenance
- Machine washable
- Weight: 15 g
- Available in two versions:
 - for VERTEX helmet (A10200)
 - for ALVEO helmet (A20200)

Replacement foams

- Standard replacement foam:
 - regular foam for most head sizes
 - thick foam for smaller head sizes
- Easy maintenance
- Weight: 15 g
- Available in two versions:
 - for VERTEX helmet (A10210)
 - for ALVEO helmet (A20210)



Acrosite, Barsalou, Stade des Alpes, Grenoble, France © Petzl / Lafouche

There are two main types of lanyards:

- adjustable positioning lanyards for precise and comfortable positioning at a work station
- lanyards with an energy absorber designed to limit the impact force transmitted to the user in case of a fall

The Petzl lanyard range also includes specialized lanyards for specific uses:

- progression lanyards for difficult access
- lanyards with energy absorber for the ASAP mobile fall arrester
- helivac lanyards
- positioning lanyards for tree care



Sewn terminations

Sewn terminations on rope lanyards give an increase in strength (compared to a knotted termination) while reducing bulk.



Plastic sheaths and STRING

Plastic sheaths and STRINGs hold the connectors in place. They also protect the ends of the lanyards from abrasion.



Adjustable lanyards for work positioning

Adjustable lanyards are used to build a work positioning system as a complement to a fall-arrest system. Their length can be very easily and precisely adjusted as necessary for comfortable positioning at a specific work station.



GRILLON



GRILLON HOOK



GRILLON MGO

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

Lanyards with energy absorber

Lanyards with energy absorber are used when there is a fall risk. The energy absorber, sized according to lanyard length, allows energy to be dissipated through the tearing of specific webbing or stitching. Petzl offers two types of lanyards with absorber:

- single-arm I lanyards for fixed work stations (ABSORBICA-I), or two-arm Y models for progression (ABSORBICA-Y)
- component lanyards having a maximum length of two meters (asymmetrical lanyards, mixed lanyards with two different connectors... with ABSORBICA and JANE)

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES



ABSORBICA-I



ABSORBICA-I MGO



ABSORBICA-Y



ABSORBICA-Y MGO



JANE



JANE MGO



ABSORBICA

Specialized lanyards

Progression lanyards for difficult access

NEW
2015



PROGRESS
ADJUST



PROGRESS

Lanyards with energy absorber for ASAP or ASAP LOCK mobile fall arresters



ASAP'SORBER

Helivac lanyards

NEW
2015



LEZARD

NEW
2015



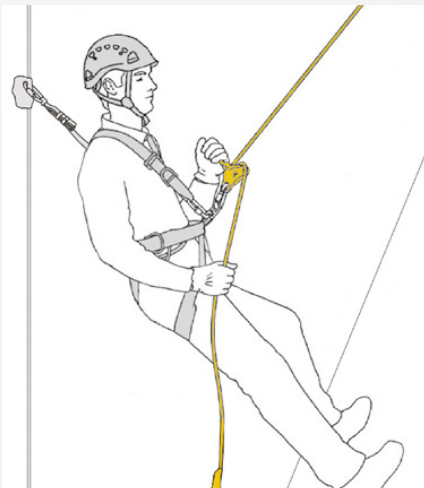
IGUANE

Positioning lanyards for tree care



ZILLON

VERTICALITY



Usage: single

When the anchor is located above the user, the GRILLON lanyard is connected to the harness ventral attachment point, so that the load is comfortably distributed between the belt and leg loops. The user adjusts his position by operating the handle, while holding the free end of the lanyard.



GRILLON

Adjustable lanyard for work positioning

- Lanyard with fine adjustment system for precise work positioning
- Can be used in two ways:
 - in double mode on the side attachment points of the harness, to distribute the weight on the belt (user has weight on his feet): length is adjusted by pressing on the pivoting cam)
 - in single mode on the harness ventral attachment point, to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard

- Removable protective sheath protects the rope from abrasive surfaces and allows smooth rope glide

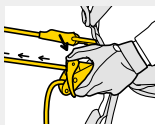
The protection can be removed when the lanyard is used in single mode, to bring the user closer to the anchor

- Available in several lengths:
 - GRILLON (L52A 002): 2 m, 435 g
 - GRILLON (L52A 003): 3 m, 515 g
 - GRILLON (L52A 004): 4 m, 595 g
 - GRILLON (L52A 005): 5 m, 675 g
- Certification(s): CE EN 358, EAC



Usage: double

The GRILLON lanyard can be used in double mode (on the harness lateral attachment points) when the user must work with a supporting surface for the feet. This type of attachment gives better load distribution on the belt. The user precisely adjusts his position by pressing on the lanyard's pivoting cam.



NOTE: GRILLON lanyards can also be used to create adjustable anchors or horizontal lifelines; please see specific versions of GRILLON lanyards for these uses in the Anchors and Ropes section.



GRILLON HOOK

Adjustable work positioning lanyard with HOOK connector

- Lanyard with fine adjustment system for precise work positioning
- Used in double mode on the harness side attachment points to distribute the weight on the belt (user has weight on his feet): length is adjusted by pressing on the pivoting cam
- May be used in single mode on the harness ventral attachment point to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard
- Removable protective sheath protects the rope from abrasive contact and enhances rope glide. The protection can be removed for single mode use, to bring the user closer to the anchor
- Available in several lengths:
 - GRILLON (L52H 002): 2 m, 625 g
 - GRILLON (L52H 003): 3 m, 735 g
 - GRILLON (L52H 004): 4 m, 815 g
 - GRILLON (L52H 005): 5 m, 895 g
- Certification(s): CE EN 358

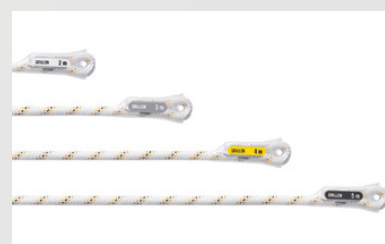
GRILLON MGO

Adjustable work positioning lanyard with MGO large opening connector

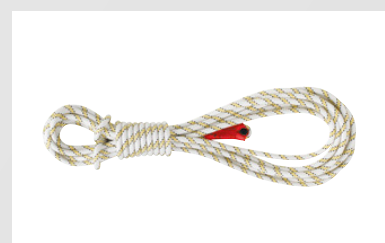
- Lanyard with fine adjustment system for precise work positioning
- Used in single mode on the harness ventral attachment point to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard
- Available in one length:
 - GRILLON (L52M 003): 3 m, 995 g
- Certification(s): CE EN 358, EAC



All GRILLON lanyards have a handle which allows the lanyard to be used in single mode when connected to the harness ventral attachment point. The handle allows the cam to be unlocked to adjust position while holding the free end of the rope.

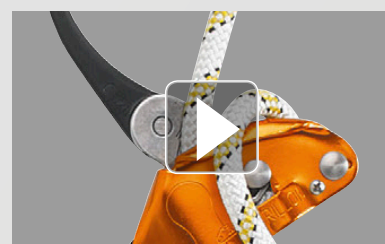


GRILLON lanyard length is identified by a color-coded label at the connector end.



GRILLON lanyard ropes are also available individually:

- GRILLON rope: (L52R 002, 003, 004, 005)
- GRILLON HOOK rope: (L52RH 002, 003, 004, 005)
- GRILLON MGO rope: (L52RM 003)



Find all the possibilities of GRILLON positioning lanyards at www.petzl.com/GRILLON.



ABSORBICA-I

Energy absorber with integrated single lanyard

- Designed for protection on a horizontal lifeline (rope or cable)
- The energy of the fall is absorbed by the tearing of specific webbing
- Mesh pouch with zipper protects the energy absorber from abrasion or spray and allows regular inspection of the absorber's condition
- Energy absorber end equipped with STRING
- Available without connector or with MGO large-opening connector, so in two lengths:
 - ABSORBICA-I 80 (**L58**): 0.8 m not including connector (1.5 m after tearing), 160 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-I 80 MGO (**L58 MGO**): 1.05 m (1.75 m after tearing), 655 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-I 150 (**L70150 I**): 1.5 m not including connector (3.35 m after tearing), 365 g, maximum clearance (factor 2 fall): 6.1 m
 - ABSORBICA-I 150 MGO (**L70150 IM**): 1.75 m (3.6 m after tearing), 825 g, maximum clearance (factor 2 fall): 6.1 m
- Certification(s):
 - ABSORBICA-I 80 and 150: CE EN 355, EAC
 - ABSORBICA-I 80 MGO and 150 MGO: CE EN 355, CE EN 362, EAC

ABSORBICA-Y

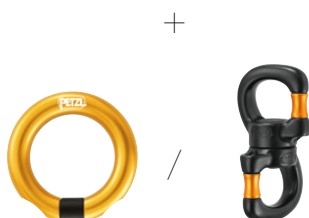
Energy absorber with integrated double lanyard

- Designed for continuous protection while passing intermediate anchors
- The energy of the fall is absorbed by the tearing of specific webbing
- Mesh pouch with zipper protects the energy absorber from abrasion or spray and allows regular inspection of the absorber's condition
- Energy absorber end equipped with STRING
- Available without connector or with MGO large-opening connector, so in two lengths:
 - ABSORBICA-Y 80 (**L59**): 0.8 m not including connector (1.5 m after tearing), 210 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-Y 80 MGO (**L59 MGO**): 1.05 m (1.75 m after tearing), 1120 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-Y 150 (**L70150 Y**): 1.5 m not including connector (3.35 m after tearing), 500 g, maximum clearance (factor 2 fall): 6.1 m
 - ABSORBICA-Y 150 MGO (**L70150 YM**): 1.75 m (3.6 m after tearing), 1420 g, maximum clearance (factor 2 fall): 6.1 m
- Certification(s):
 - ABSORBICA-Y 80 and 150: CE EN 355, EAC
 - ABSORBICA-Y 80 MGO and 150 MGO: CE EN 355, CE EN 362, EAC

Component lanyards with energy absorber



JANE



RING OPEN

SWIVEL OPEN



ABSORBICA

NEW
2015



RING OPEN



SWIVEL OPEN



ABSORBICA



JANE

JANE MGO

RING OPEN^{P28}

Multi-directional gated ring

Find a complete description of the RING OPEN on page 59.

SWIVEL OPEN^{P58 SO}

Gated swivel with sealed ball bearings

Find a complete description of the SWIVEL OPEN on page 115.

ABSORBICA^{L57}

Tear-webbing energy absorber

- Used in combination with a JANE lanyard to set up an energy-absorbing lanyard with a maximum length of two meters
- Ends equipped with STRING to hold the connector in position and protect the webbing from abrasion
- Compact and lightweight
- Length: 0.3 m
- Length after complete tearing: 1.6 m
- Maximum clearance (fall factor 2): 3.9 m + length of energy absorber, lanyard and connectors
- Weight: 190 g
- Certification(s): CE EN 355

JANE

Non-adjustable dynamic rope lanyard

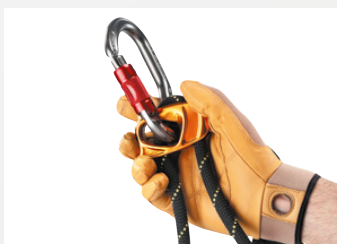
- Can be combined with an ABSORBICA energy absorber to set up an energy-absorbing I or Y lanyard with a maximum length of two meters
- Sewn ends protected by plastic sheath to hold the connector in place and protect the ends from abrasion
- Available without connector or with large-opening MGO connector for attachment to metal structures, cables and large diameter bars (large-opening, auto-locking connector permanently sewn into the lanyard termination)
- Available without connector:
 - JANE 0.6 m (**L50 60**): 110 g
 - JANE 1 m (**L50 100**): 130 g
 - JANE 1.5 m (**L50 150**): 185 g
- Available with MGO connector:
 - JANE MGO 0.6 m (**L53 60**): 565 g
 - JANE MGO 1 m (**L53 100**): 585 g
 - JANE MGO 1.5 m (**L53 150**): 640 g
- Certification(s): CE EN 354, EAC

Progression lanyards for difficult access

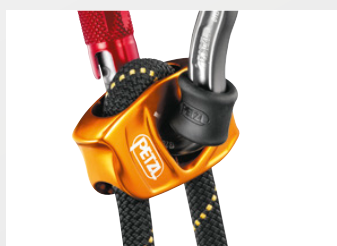
PROGRESS ADJUST^{L44R} Adjustable progression lanyard



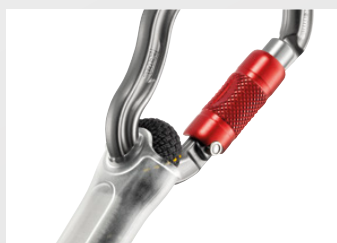
**NEW
2015**



The PROGRESS ADJUST lanyard adjusts very quickly and easily thanks to the ADJUST rope clamp, which releases with a simple turn and handles easily due to its ergonomic shape.



The rubber ring holds the carabiner in position, facilitating clipping.



The plastic sheath on the fixed arm holds the carabiner in position, facilitating clipping. It also protects the ends of the lanyard from abrasion.

- Adjustable double lanyard that provides a continuous connection in all types of progression:
 - rope ascent: fixed arm for attaching an ASCENSION handled rope clamp, adjustable arm to adjust lanyard length when passing intermediate anchors
 - moving along traverse lines: fixed arm and adjustable arm of the same length to facilitate progression
- Easy manipulation:
- Very quick and precise length adjustment of the adjustable arm thanks to the ergonomic shape of the ADJUST rope clamp
- facilitated clipping due to connectors held in correct position
- Dynamic rope lanyard to limit the impact transmitted to the user in case of a short fall (1)
- Used with two VERTIGO TWIST-LOCK auto-locking carabiners
- Lengths:
 - fixed arm: 65 cm
 - adjustable arm: up to 95 cm
- Weight: 245 g
- Certification(s): CE EN 358, EAC

(1) Progression lanyards do not have energy absorbers. They thus should only be used if the fall factor is less than 1 (used below the ASCENSION handled rope clamp or anchor point).



VERTIGO TWIST-LOCK

**NEW
2015**



TANGA

VERTIGO TWIST-LOCK^{M40A RLA}

Carabiner for progression lanyard

- Designed for use at the end of a PROGRESS or PROGRESS ADJUST lanyard
- Facilitates manipulations when passing intermediate anchors
 - ergonomic shape for excellent grip
 - TWIST-LOCK automatic locking system is easy to use. It is unlocked by a simple rotation
 - wide opening for easy connection of the carabiner
 - Keylock system to avoid any involuntary snagging of the carabiner
- Simplified inspection:
 - H profile protects markings from abrasion
 - identification with Datamatrix code for quick inspection of product
- Strength: major axis: 25 kN, minor axis: 10 kN, open gate: 8 kN
- Gate opening: 25 mm
- Weight: 100 g
- Certification(s): CE EN 362

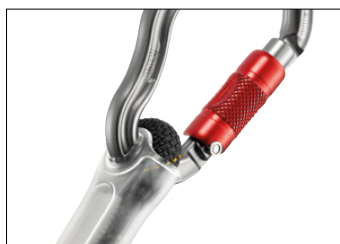
TANGA^{M92000}

Connector positioning ring

- Holds the connector in the correct position



Fall indicator: the green stitching disappears when the lanyard is subjected to a major fall (improper use).



The plastic sheaths hold the carabiners in position, facilitating clipping. They also protect the ends of the lanyard from repeated abrasion.

PROGRESS L44

Progression lanyard

- Double lanyard allows continuous connection during rope ascents:
 - long arm for attaching an ASCENSION rope clamp
 - short arm for clipping in when passing intermediate anchors
- Ends equipped with a plastic sheath that holds the connector in place and protects against abrasion
- Dynamic rope lanyard to limit the impact transmitted to the user in case of a short fall (1)
- Fall indicator: the green stitching disappears when the lanyard is subjected to a major fall (improper use): the lanyard must then be retired
- Used with two VERTIGO TWIST-LOCK auto-locking carabiners
- Lengths:
 - short arm: 30 cm
 - long arm: 65 cm
- Weight: 150 g
- Certification(s): CE EN 354, EAC

(1) Progression lanyards do not have energy absorbers. They thus should only be used if the fall factor is less than 1 (used below the ASCENSION handled rope clamp or anchor point).

Lanyards with energy absorber for ASAP or ASAP LOCK mobile fall arresters



ASAP'SORBER



STRING

ASAP'SORBER L71

Lanyard with energy absorber for ASAP or ASAP LOCK

Find a complete description of the ASAP'SORBER lanyard on page 81.

STRING

Webbing protection

- Holds the connector in place and protects the webbing from abrasion
- Available in two sizes:
 - STRING L (**M90000 L**): for webbing from 15 to 20 mm in width (ABSORBICA-I and ABSORBICA-Y)
 - STRING XL (**M90000 XL**): for webbing from 25 to 30 mm in width (ASAP'SORBER, ABSORBICA)

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

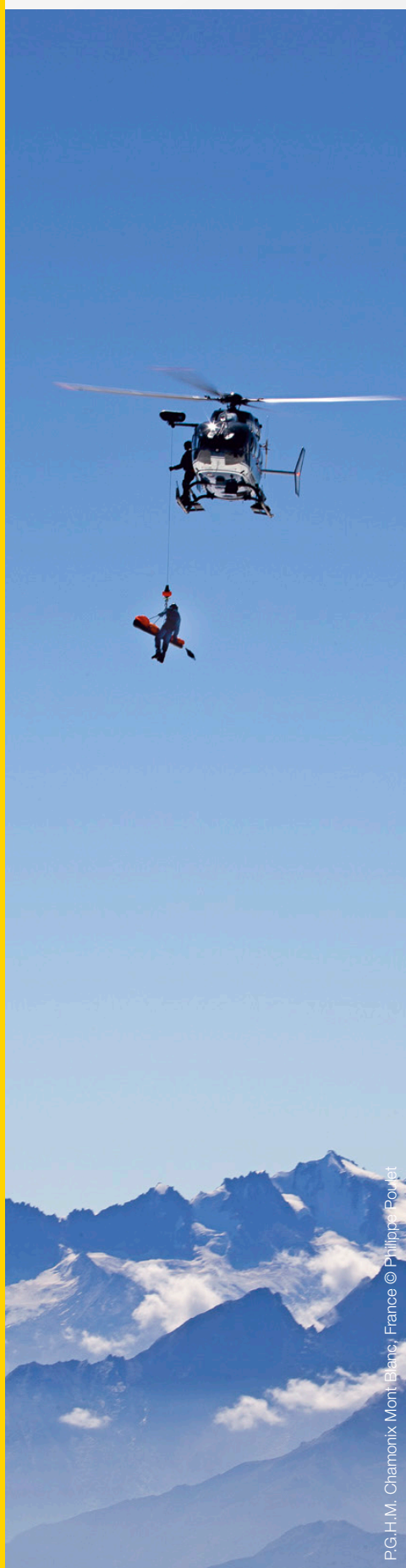
ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

Helivac lanyards



LEZARD L01

Helivac lanyard with securing of the drop off/recovery phases

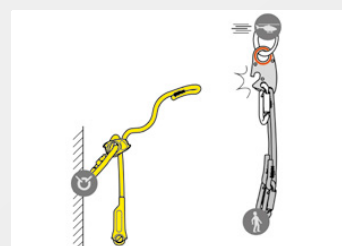
NEW
2015

- Designed for high altitude helivac:
 - on the metal frame, a large upper hole for rapid attachment of the helicopter winch
 - adjustable arm allowing its length to be adjusted for connecting to the belay station
 - double lower end allowing the rescuer and victim to be connected
 - carabiner fixed to the metal frame to attach a litter
- It allows the drop off/recovery phases to be secured: if the helicopter needs to suddenly leave its stationary position, the adjustable arm instantly ejects to free the victim, rescuer and the helicopter
- Easy manipulation:
 - instant identification of the attachment elements thanks to their color coding
 - Very quick and precise length adjustment of the adjustable arm thanks to the ergonomic shape of the ADJUST rope clamp
 - facilitated clipping due to connectors held in correct position
- Dynamic rope lanyard to limit the impact transmitted to the user in case of a short fall (1)
- Lanyard developed in partnership with the Peloton de Gendarmerie de Haute Montagne de Chamonix Mont-Blanc (France)
- Weight: 880 g
- Certification(s): CE

(1) The LEZARD helivac lanyard does not have an energy absorber. It should thus only be used if the fall factor is less than 1 (used below the anchor point).

BECAUSE OF THE SPECIFICITY OF THE LEZARD HELIVAC LANYARD, SPECIFIC TRAINING IS MANDATORY.

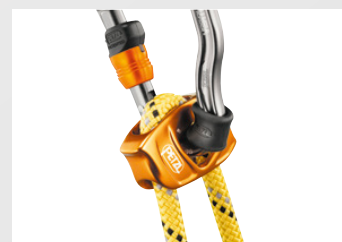
Contact your distributor for more information.



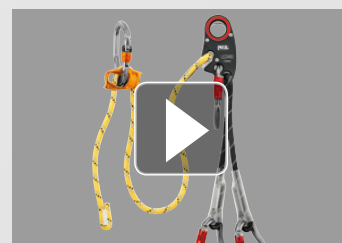
If the helicopter needs to suddenly leave its stationary position, the adjustable arm ejects instantly to free the victim, rescuer and helicopter.



The length of the adjustable arm adjusts quickly and easily thanks to the ADJUST rope clamp, which releases with a simple turn and handles easily due to its ergonomic shape.



The rubber ring on the adjustable arm holds the carabiner in position, facilitating clipping.



Find the LEZARD helivac lanyard video presentation at www.petzl.com/LEZARD.



IGUANE L01G

Helivac lanyard for ground drop off/recovery

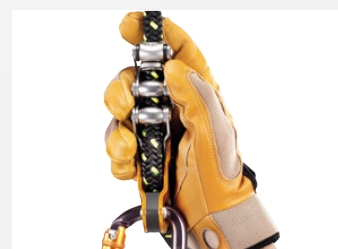
- Designed for ground helivac:
 - on the metal frame, a large upper hole for rapid attachment of the helicopter winch
 - double lower end allowing the rescuer and victim to be connected
 - carabiner fixed to the metal frame to attach a litter
- Easy manipulation:
 - instant identification of the attachment elements thanks to their color coding
 - facilitated clipping due to connectors held in correct position
- Dynamic rope lanyard to limit the impact transmitted to the user in case of a short fall (1)
- Lanyard developed in partnership with the Peloton de Gendarmerie de Haute Montagne de Chamonix Mont-Blanc (France)
- Weight: 600 g
- Certification(s): CE

(1) The IGUANE helivac lanyard does not have an energy absorber. It should thus only be used if the fall factor is less than 1 (used below the anchor point).

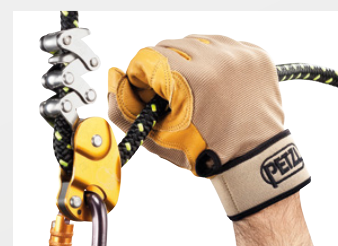
Positioning lanyard for tree care

ZILLON®

Adjustable work positioning lanyard for tree care



Easily adjusted with one hand thanks to the progressive locking/unlocking action of the device.



Pulley mounted on sealed ball bearings allows slack to be taken up easily.

- It is used doubled, on the harness side attachment points, to distribute the load on the waistbelt
- Easily adjusted with one hand thanks to the progressive locking/unlocking action of the device
- Pulley mounted on sealed ball bearings to allow slack to be taken up easily
- Steel friction elements for increased longevity
- Available in three lengths:
 - ZILLON 25 (**L22 025**): 2,5 m (605 g)
 - ZILLON 40 (**L22 040**): 4 m (790 g)
 - ZILLON 55 (**L22 055**): 5,5 m (975 g)
- Replacement ropes available in different sizes:
 - 2,5 m (**L22R 025**)
 - 4 m (**L22R 040**)
 - 5,5 m (**L22R 055**)
- Certification(s): CE EN 358



Abside, Cathédrale de Meaux. Monuments Nationaux de France © Petzl / Lafouche



ASAP LOCK

Mobile fall arrester for rope, with locking function for difficult access.



ASAP

Mobile fall arrester for rope, for fall protection.



ASAP'SORBER

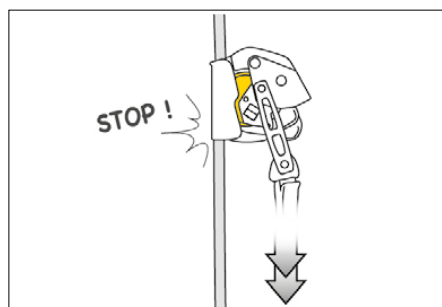
Lanyard with integrated energy absorber.

HARNESSES

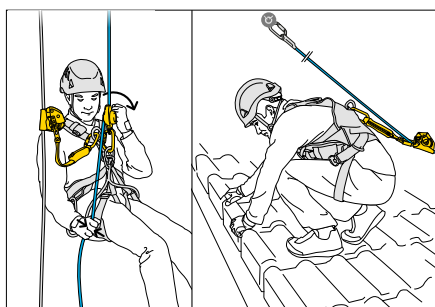
HELMETS

LANYARDS
ENERGY
ABSORBERS

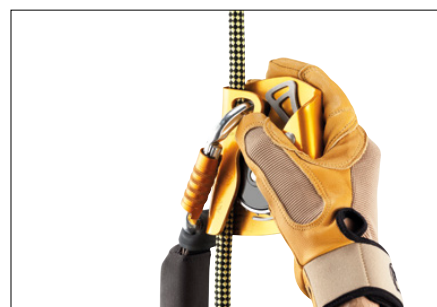
Constant fall protection



In case of a sudden movement due to a fall, slide or uncontrolled descent, the ASAP LOCK and ASAP fall arresters lock on the rope and stop the worker's fall.



These mobile fall arresters work equally well on vertical or angled ropes, to adapt to any work site configuration.



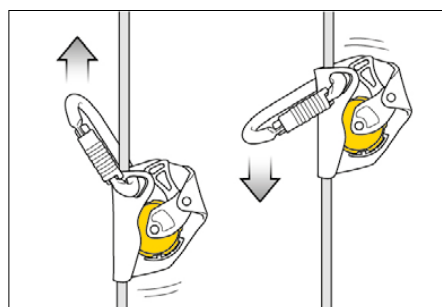
In a fall, the user may reflexively grab the device with his hands; the ASAP LOCK and ASAP mobile fall arresters will work, even in this situation.

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

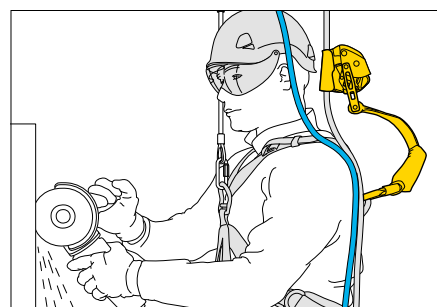
Simple to use and effective



The ASAP LOCK and ASAP follow the worker at height in all his movements, with no need for any manual operation. He can therefore focus completely on his task.



These mobile fall arresters may be quickly and easily installed anywhere on the rope by simply retracting the locking wheel.



The ASAP'SORBER energy-absorbing lanyard allows the user to distance the rope, freeing the work space and protecting the rope (from sharp tools, molten metal splash...).

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

ASAP® LOCK B71ALU

Mobile fall arrester with locking function



Button for activating locking function

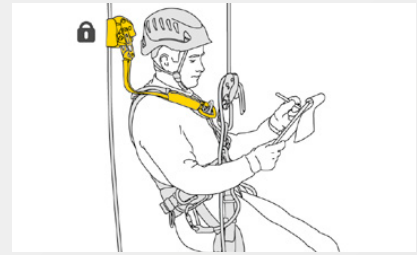
Catch for locking the wheel

Locking wheel

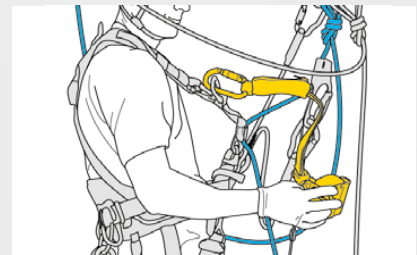
Connection arm

Connection point for ASAP'SORBER

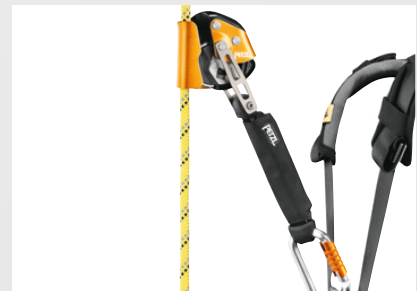
- Constant fall protection:
 - arrests falls, slides, and uncontrolled descents
 - works on vertical or angled rope
 - locks on the rope even if grabbed during the fall
- Integrated locking function allows the user to immobilize the device to reduce the length of a fall. In case of a strong wind, this function also prevents the rope from being blown upward.
- Simple to use, and effective:
 - moves up or down the rope without any manual manipulation of the device
 - easy to install and remove at any point on the rope
 - connection arm makes the system loss-resistant when passing intermediate anchors
 - is used with an ASAP'SORBER energy absorbing lanyard to work at a distance from the rope
- Rope compatibility:
 - use according to standard EN 353-2: AXIS 11 mm rope with sewn termination
 - use according to standard EN 12841 type A: 10 to 13 mm ropes, EN 1891 type A
- Weight: 425 g
- Certification(s): CE EN 353-2, CE EN 12 841 type A, EAC



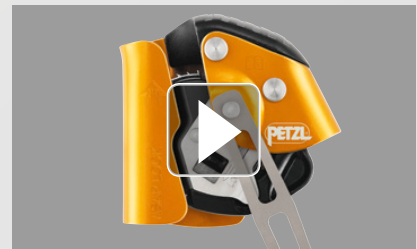
Locking function allows the user to immobilize the device to reduce the length of a fall.



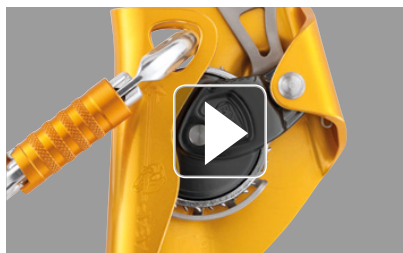
Connection arm makes the system loss-resistant when passing intermediate anchors.



Attachment to the user's harness by means of an ASAP'SORBER lanyard with energy absorber (20 or 40 cm).



Find all the possibilities of the ASAP LOCK mobile fall arrester at www.petzl.com/ASAP LOCK.



Find all the possibilities of the ASAP mobile fall arrester at www.petzl.com/ASAP.



ASAP® B71AAA

Mobile fall arrest device

- Constant fall protection:
 - arrests falls, slides, and uncontrolled descents
 - works on vertical or angled rope
 - locks on the rope even if grabbed during the fall
- Simple to use, and effective:
 - moves up or down the rope without any manual manipulation of the device
 - easy to install and remove at any point on the rope
 - may be combined with an ASAP'SORBER energy absorbing lanyard to work at a distance from the rope
- Comes with a OK TRIACT-LOCK automatic locking carabiner
- Rope compatibility:
 - use according to standard EN 353-2: AXIS 11 mm rope with sewn termination
 - use according to standard EN 12841 type A: 10 to 13 mm ropes, EN 1891 type A
- Weight: 370 g (295 g for ASAP and 75 g for OK TRIACT-LOCK)
- Certification(s): CE EN 353-2, CE EN 12 841 type A, EAC

ASAP'SORBER

Lanyard with energy absorber for ASAP or ASAP LOCK

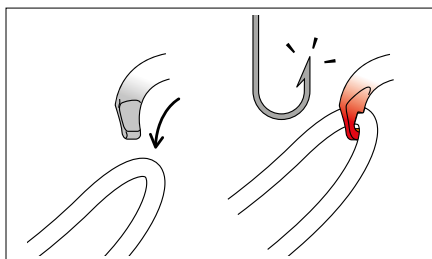
- Attaches the ASAP or ASAP LOCK mobile fall arrester to the harness
- Allows the user to distance himself from the rope in order to:
 - declutter the work area
 - protect the rope from sharp tools and molten metal splash
- Absorb the energy of a fall by the tearing of specific stitching
- Zippered fabric pouch protects the energy absorber from abrasion and other damage while allowing for regular inspection of the absorber
- Ends equipped with STRING to hold the connector in position and protect the sling from abrasion
- Available in two lengths for choice of the best balance between distance from the rope and reducing the fall length:
 - ASAP'SORBER (L71AA 20): 20 cm, 75 g
 - ASAP'SORBER (L71AA 40): 40 cm, 105 g
- Clearance: see explanations in the Instructions for Use and the Product Experience supplement available at www.petzl.com/ASAP
- Certification(s): CE EN 355, EAC





Alpic Accès Difficiles, Gorges du Borne, France © Petzl / Lafouche

To meet the many different needs encountered in the field, there exists a wide selection of connectors. Each product is designed for a specific use based on its materials, shape, size, gate-opening capacity and locking system.



Keylock system

To ensure optimal efficiency, all Petzl carabiners use the Keylock system: the body/gate interface does not have a hook that could snag on anchors, ropes, harness equipment loops...



Visual unlocked indicator

To facilitate equipment checks, SCREW-LOCK manual locking carabiners have a red band that is visible only when the carabiner is not locked.

Shapes



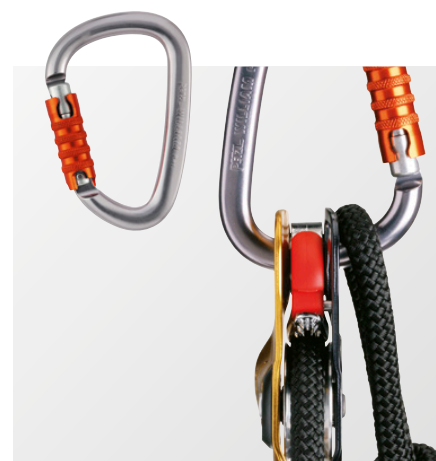
Oval shape

Versatile symmetrical shape specially adapted for devices with widely-spaced side plates (FIXE pulley, ASCENSION rope clamps...).



D-shape

Asymmetrical shape allows easy connection and good positioning of the device along the major axis.

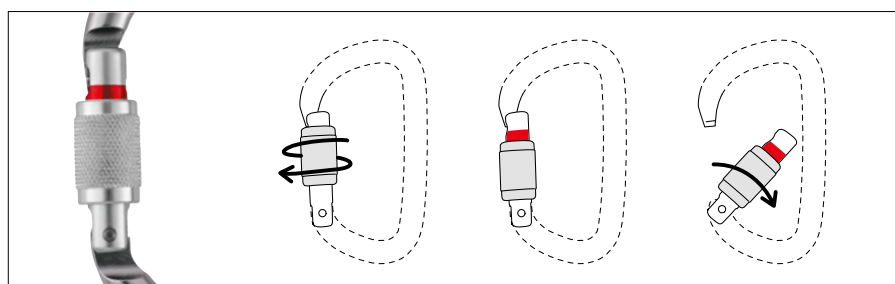


Pear shape

Asymmetrical shape has a wide opening and great capacity.

Locking systems

For occasional manipulation: manual locking

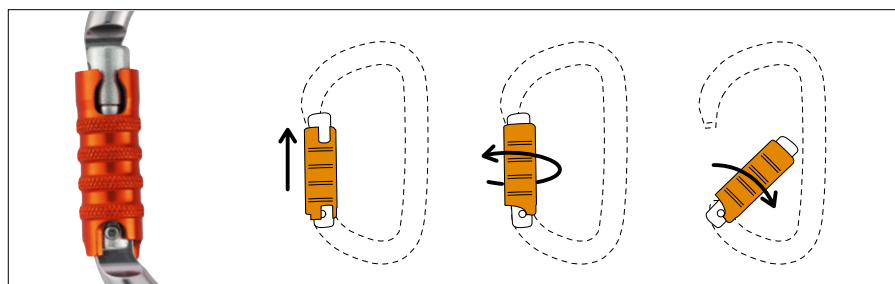


SCREW-LOCK

Manual screw gate locking system

- The red band provides a visual warning when the carabiner is unlocked
- Recommended for harsh environments (mud, ice), where dust and dirt could cause an automatic locking mechanism to malfunction
- Recommended when a carabiner needs to be opened and closed occasionally

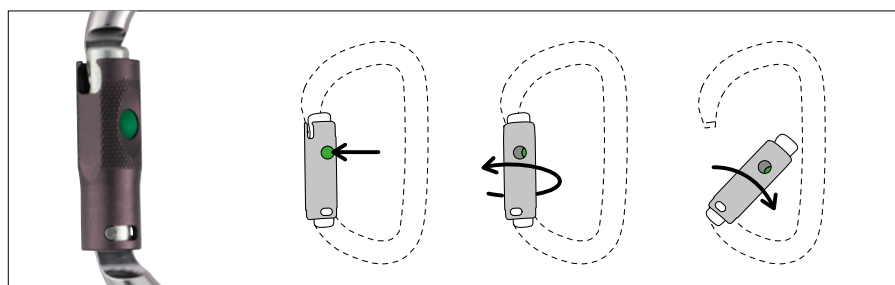
For frequent manipulation: automatic locking



TRIACT-LOCK

Auto-locking system

- Unlocks quickly in two steps, by raising and then turning the sleeve
- Recommended when a carabiner needs to be frequently opened and closed



BALL-LOCK

Auto-locking system with lock indicator

- Green dot indicates when sleeve is locked
- Quick to unlock in two steps, by pressing on the green dot and turning the sleeve
- Can be opened and closed with one hand
- Recommended when a carabiner needs to be frequently opened and closed

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

Aluminum carabiners

Lightweight carabiners with an optimal weight-to-strength ratio, designed for the worker at height.



WILLIAM



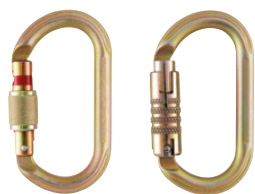
Am'D



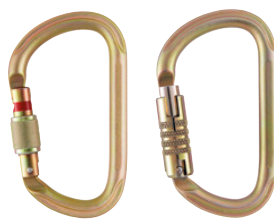
OK

Steel carabiners

Carabiners suitable for difficult environments, primarily used for setting up anchors and for connecting to metal structures.



OXAN



VULCAN

Large connectors

Connectors with a wide gate opening designed for connecting to thick structures.



MGO 110



MGO 60

Special aluminum carabiners

Lightweight carabiners designed for specific uses: harness fastening, use at the end of a lanyard, additional braking on a descender...



OMNI



VERTIGO TWIST-LOCK



FREINO



SPIRIT

Quick links

Screw links for semi-permanent connection of equipment.



DELTA



GO



DEMI ROND



WILLIAM SCREW-LOCK



Am'D SCREW-LOCK



OK SCREW-LOCK



WILLIAM TRIACT-LOCK



Am'D TRIACT-LOCK



OK TRIACT-LOCK



WILLIAM BALL-LOCK



Am'D BALL-LOCK

WILLIAM

Large capacity aluminum carabiner

- Large size and opening for easy attachment of multiple items
- Pear shape facilitates belaying with a Munter hitch
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Available in three different locking systems:
 - WILLIAM (M36 SL): SCREW-LOCK
 - WILLIAM (M36 TL): TRIACT-LOCK
 - WILLIAM (M36 BL): BALL-LOCK
- Also available in black:
 - WILLIAM (M36 SLN): SCREW-LOCK black
 - WILLIAM (M36 TLN): TRIACT-LOCK black

Am'D

Asymmetrical aluminum carabiner

- Especially suitable for attaching devices
- Excellent strength-to-weight ratio
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Available in three different locking systems:
 - Am'D (M34 SL): SCREW-LOCK
 - Am'D (M34 TL): TRIACT-LOCK
 - Am'D (M34 BL): BALL-LOCK
- Also available in black:
 - Am'D (M34 TLN): TRIACT-LOCK black

OK

Oval aluminum carabiner

- Versatile oval symmetrical shape for optimal positioning of devices (pulleys, rope clamps, mobile fall arresters...)
- Ideal for hauling
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OK (M33 SL): SCREW-LOCK
 - OK (M33 TL): TRIACT-LOCK
- Also available in black:
 - OK (M33 SLN): SCREW-LOCK black
 - OK (M33 TLN): TRIACT-LOCK black

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES



OXAN SCREW-LOCK



VULCAN SCREW-LOCK



OXAN TRIACT-LOCK



VULCAN TRIACT-LOCK



MGO 110



MGO 60

OXAN

Oval steel carabiner

- Steel suitable for harsh conditions
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OXAN (**M72 SL**): SCREW-LOCK
 - OXAN (**M72 TL**): TRIACT-LOCK
- Also available in black and in specific versions that meet European and North American work standards (see summary table):
 - OXAN (**M72 SLN**): SCREW-LOCK black
 - OXAN (**M72 TLA**): TRIACT-LOCK (European and North American work standards)
 - OXAN (**M72 TLN**): TRIACT-LOCK black (European and North American work standards)

VULCAN

High-strength steel carabiner

- Steel suitable for harsh conditions
- For use with heavy loads
- Large size for easy attachment of multiple items
- Large opening for connection to thick anchors
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - VULCAN (**M73 SL**): SCREW-LOCK
 - VULCAN (**M73 TL**): TRIACT-LOCK
- Also available in black and in specific versions that meet European and North American work standards (see summary table):
 - VULCAN (**M73 SLN**): SCREW-LOCK black
 - VULCAN (**M73 TLA**): TRIACT-LOCK (European and North American work standards)
 - VULCAN (**M73 TLN**): TRIACT-LOCK black (European and North American work standards)

MGO

Auto-locking directional connector with very large gate opening

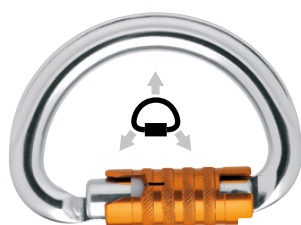
- Designed for connection to metal structures or to large-diameter cables and bars
- Ergonomic unlocking handle
- Available in two versions:
 - MGO (**MGO 110**): 110 mm gate opening
 - MGO (**MGO 60**): 60 mm gate opening



OMNI SCREW-LOCK



VERTIGO TWIST-LOCK



OMNI TRIACT-LOCK



FREINO

SPIRIT

OMNI

Multi-directional semi-circle carabiner

- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent the carabiner snagging during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 SL): SCREW-LOCK
 - OMNI (M37 TL): TRIACT-LOCK
- Also available in black:
 - OMNI (M37 SLN): SCREW-LOCK black
 - OMNI (M37 TLN): TRIACT-LOCK black

VERTIGO

TWIST-LOCK M40A RLA

Carabiner for progression lanyard

Complete description of the VERTIGO TWIST-LOCK carabiner on page 76.

FREINO

Carabiner with friction spur for descenders

- The spur helps increase friction for improved descent control with a heavy load (e.g. two-person rescue situation)
- Rope is easily inserted into the spur, without opening the carabiner
- TWIST-LOCK automatic locking sleeve, unlocked by a simple rotation
- Keylock system helps prevent the carabiner snagging during maneuvers
- Used, for example, with the I'D and RIG self-braking descenders

SPIRIT

Non-locking progression carabiner

- Should be used only for progression using climbing techniques
- Non-locking, clips easily
- Keylock system helps prevent the carabiner snagging during maneuvers



DELTA (P11 8)



DELTA (P11 8B)



DELTA (P11)



GO



DEMI ROND

DELTA

Triangular steel quick link

- When closed with a wrench, it becomes a semi-permanent anchor ring
- Available in three versions:
 - DELTA (P11): 10 mm diameter rod stock
 - DELTA (P11 8): 8 mm diameter rod stock
 - DELTA (P11 8B): 8 mm diameter rod stock (with bar for positioning the CROLL on a harness)
- Also available in black:
 - DELTA (P11 8BN)

GO

Oval steel quick link

- When closed with a wrench, it becomes a semi-permanent anchor ring

DEMI ROND

Semi-circle aluminum alloy quick link

- Used to close any harness having two attachment points that must be joined with a connector
- When closed with a wrench, it becomes a semi-permanent anchor ring

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERSMOBILE FALL
ARRESTERS





CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPESPACKS
ACCESSORIES

	Locking	Reference					Certification	Weight
Aluminum carabiners								
WILLIAM	SCREW-LOCK	M36 SL / SLN	25 mm	25 kN	7 kN	7 kN	CE EN 362 EAC	90 g
	TRIACT-LOCK	M36 TL / TLN	24 mm					
	BALL-LOCK	M36 BL	24 mm					
Am'D	SCREW-LOCK	M34 SL	21 mm	28 kN	7 kN	8 kN	CE EN 362	75 g
	TRIACT-LOCK	M34 TL / TLN	21 mm					
	BALL-LOCK	M34 BL	22 mm					
OK	SCREW-LOCK	M33 SL / SLN	19 mm	24 kN	10 kN	7 kN	CE EN 362	75 g
	TRIACT-LOCK	M33 TL / TLN	19 mm		8 kN			
Steel carabiners								
OXAN	SCREW-LOCK	M72 SL / SLN	20 mm	27 kN	16 kN	7 kN	CE EN 362 NFPA 1983 Technical Use EAC	195 g
	TRIACT-LOCK (European standards)	M72 TL	19 mm					215 g
	TRIACT-LOCK (North American and European standards)	M72 TLA / TLN	18 mm				CE EN 362 ANSI Z359.12 NFPA 1983, Technical Use CSA Z259.12, EAC	235 g
VULCAN	SCREW-LOCK	M73 SL / SLN	29 mm	40 kN	16 kN	11 kN	CE EN 362 NFPA 1983, General Use EAC	265 g
	TRIACT-LOCK (European standards)	M73 TL	28 mm					285 g
	TRIACT-LOCK (North American and European standards)	M73 TLA / TLN	27 mm				CE EN 362 ANSI Z359.12 NFPA 1983, General Use CSA Z259.12 EAC	305 g
Large connectors								
MGO	Automatic	MGO60	60 mm	25 kN	-	-	CE EN 362	455 g
		MGO110	110 mm	23 kN	15 kN	7 kN	CE EN 362	940 g
Special aluminum carabiners								
OMNI	SCREW-LOCK	M37 SL / SLN	22 mm	20 kN	15 kN	7 kN	CE EN 362	85 g
	TRIACT-LOCK	M37 TL / TLN	22 mm					90 g
FREINO	TWIST-LOCK	M42	15 mm	25 kN	10 kN	9 kN	CE EN 362	85 g
SPIRIT	Non-locking	M53 S / SN	21 mm	23 kN	8 kN	9 kN	CE EN 12275 type B	39 g
Quick links								
DELTA	Quick link	P11	12 mm	25 kN	10 kN	-	CE EN 362 type Q	150 g
		P11 8 / P11 8B P11 8BN	10 mm	25 kN	10 kN	-	CE EN 362 type Q	85 / 95 g
GO	Quick link	P15	16 mm	25 kN	10 kN	-	CE EN 362 type Q	60 g
DEMI ROND	Quick link	P18	10 mm	25 kN	10 kN	-	CE EN 362 type Q	55 g



VERTICALITY

PACKS
ACCESSORIES

ANCHORS
ROPES

PULLEYS

ROPE CLAMPS

DESCENDERS

CONNECTORS

MOBILE FALL
ARRESTERS

LANYARDS
ENERGY
ABSORBERS

HELMETS

HARNESSES



Abscisse, Centrale EDF de Randens, France © Pascal Tournaire

For both work-at-height and rescue, access from above is preferable because it allows one to take advantage of the force of gravity to save energy. Descenders are designed to help regulate friction and control the descent on a fixed rope. They allow a worker to position himself at any point on the rope. Some descenders can also be used to belay a leader using lead climbing techniques.

Self-braking descenders

Descenders with a self-braking feature and multi-functional handle allow the user to control the descent and to get into position without having to tie off the device. These devices are primarily designed for difficult to access work sites and rescue: for positioning at a work station or for movement along low-angle or horizontal terrain. The I'D S and I'D L descenders have an integrated anti-panic function and an anti-error catch. The RIG descender is designed for expert users.



I'D S



I'D L



RIG

Mechanical Prusik for tree care

The ZIGZAG mechanical Prusik allows the user to move around efficiently in a tree using classic Prusik pulley system technique.



ZIGZAG

Personal escape systems

Rescue devices that allow a single person to get himself out of a building or structure in case of an emergency. This specialized equipment is available in two versions:

- EXO: has an anchor hook adapted for locations where the possibility of finding an anchor point is uncertain
- EXO EASHOOK: has an anchor carabiner for use when an evacuation plan with anchor point possibilities is clearly identified



EXO



EXO EASHOOK

Standard descenders

Descenders with a simple design, using the friction between the rope and the device to brake a descent. The speed of the descent is regulated by varying the grip on the free end of the rope.



RACK



HUIT

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

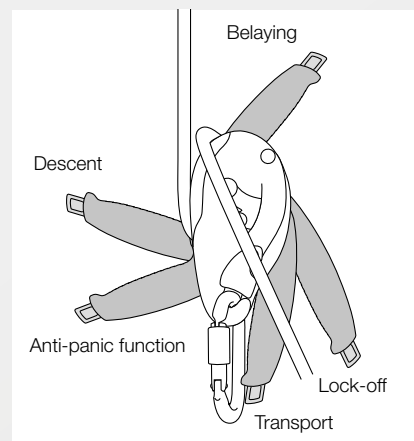
I'D S

Self-braking descender with anti-panic function

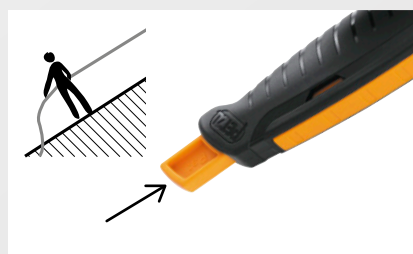


- Multi-function handle allows the user to:
 - unlock the rope and control the descent with the hand on the free end of the rope
 - move more easily on horizontal or inclined terrain, thanks to the button on the handle
 - position himself at the work station without having to tie off the device
- Anti-panic function activates if the user pulls too hard on the handle: it brakes and stops the descent automatically
- Anti-error catch to reduce the risk of an accident due to incorrect installation of the device on the rope. The shape of the cam is designed to improve rope glide when ascending
- The gate on the moving side plate helps prevent dropping the device and facilitates rope installation when passing intermediate anchors
- Pivoting cam facilitates taking up the slack in the rope. Can also be used to make a progress-capture haul system, and for short rope ascents (by adding a FOOTAPE or FOOTCORD foot loop and an ASCENSION handled rope clamp)
- The moving side plate locks with a screw, allowing the I'D S to be integrated into rescue kits

- Lowers heavy loads up to 250 kg (only for expert users; consult the Instructions for Use for the device at www.petzl.com)
- Rope compatibility: 10 to 11.5 mm in diameter
- Available in two colors:
 - I'D S (D200S0): yellow
 - I'D S (D200SN): black
- Certification(s):
 - CE EN 341 class A
 - CE EN 12841 type C
 - NFPA 1983 Technical Use
 - EAC
- Weight: 530 g



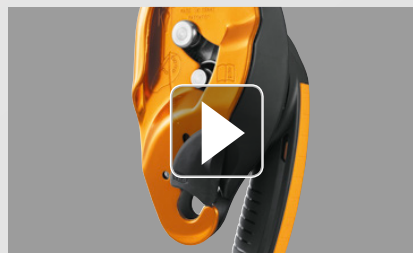
The I'D S descender's multi-function handle allows the user to control the descent and to position himself at the work station. It also has an anti-panic function that engages if the user pulls too hard on the handle.



The button on the multi-function handle facilitates smooth movement along inclined or horizontal terrain.



The anti-error catch reduces the risk of an accident due to incorrect installation of the rope in the device. The locking screw of the swinging side-plate allows the I'D S to be part of a rescue kit.



Find all the possibilities of the I'D self-braking descenders at www.petzl.com/ID.



I'D L

Self-braking descender for rescue, with anti-panic function

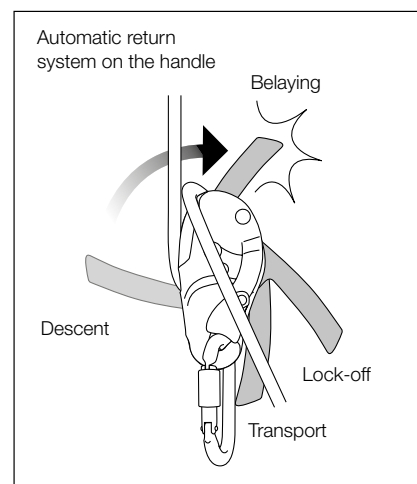
- Designed for rescue: no gate
- Multi-function handle allows the user to:
 - unlock the rope and control the descent with the hand on the free end of the rope
 - move more easily on horizontal or inclined terrain, thanks to the button on the handle
 - position himself without having to tie off the device
- Anti-panic function activates if the user pulls too hard on the handle: it brakes and stops the descent automatically
- Anti-error catch to reduce the risk of an accident due to incorrect installation of the device on the rope
- Pivoting cam facilitates taking up the slack in the rope. Can also be used to make a progress-capture haul system, and for short rope ascents (by adding a FOOTAPE or FOOTCORD foot loop and an ASCENSION handled rope clamp)
- Lowers heavy loads up to 272 kg (only for expert users; consult the Instructions for Use for the device at www.petzl.com)
- Rope compatibility: 11.5 to 13 mm in diameter
- Available in two colors:
 - I'D L (D200LO): red
 - I'D L (D200LN): black
- Certification(s):
 - CE EN 341 class A
 - CE EN 12841 type C
 - NFPA 1983 General Use
 - EAC
- Weight: 530 g



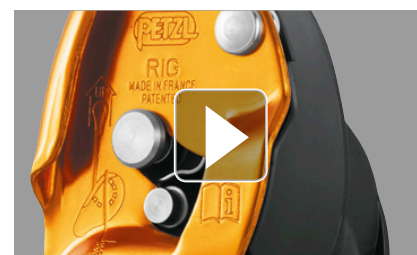
RIG

Compact self-braking descender

- Designed for rope access work (expert users only)
- Multi-function handle allows the user to:
 - unlock the rope and control the descent with the hand on the free end of the rope
 - position himself at the work station without having to tie off the device
- The automatic return system on the handle limits risks in case of an involuntary action by the user
- Handle storage position reduces the risk of snagging when the descender is being carried on the harness
- The gate on the moving side plate helps prevent dropping the device and facilitates rope installation when passing intermediate anchors
- Pivoting cam facilitates taking up the slack in the rope. Can also be used to make a progress-capture haul system, and for short rope ascents (by adding a FOOTAPE or FOOTCORD foot loop and an ASCENSION handled rope clamp)
- Lowers heavy loads up to 200 kg (only for expert users; consult the Instructions for Use for the device at www.petzl.com)
- Rope compatibility: 10.5 to 11.5 mm in diameter (single rope)
- Available in two colors:
 - RIG (D21A): yellow
 - RIG (D21AN): black
- Certification(s):
 - CE EN 12841 type C
 - CE EN 341 class A
 - NFPA 1983 Technical Use
 - EAC
- Weight: 380 g



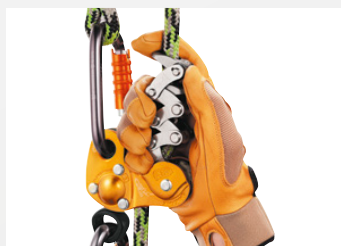
The RIG descender's multi-function handle allows the user to control the descent and to position himself at the work station. The automatic return system on the handle limits risks in case of an involuntary action by the user.



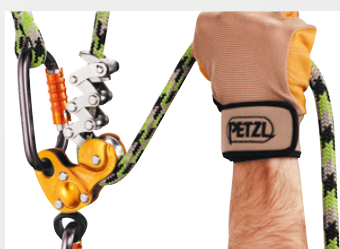
Find more about the RIG at www.petzl.com/RIG.

ZIGZAG® D22A

Mechanical Prusik for tree care

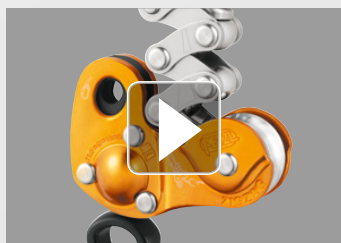


The device is released by simply pressing on the release lever. When the lever is released, the device locks again. Adjusting the pressure on this lever controls the speed of movement.



The pulley is mounted on sealed ball bearings to allow the rope to be taken up easily. The swivel keeps the product in the right position.

- Technique identical to classic Prusik pulley system
- Release lever mounted on spring for great precision when locking/releasing the device. Adjusting the pressure on this lever controls the speed of movement
- Friction links provide progressive braking action for smooth movement
- Pulley mounted on sealed ball bearings to allow slack to be taken up easily
- Swivel always keeps the device in position for better rope glide through the device
- Steel construction for improved durability
- Upper connection point for easily connecting the end of the doubled rope. It has a flexible ring that helps maintain the connector in the major axis position
- Only for use on doubled ropes
- Rope compatibility: semi-static 11.5 to 13 mm diameter ropes, EN 1891 type A
- Certification(s): CE
- Weight: 320 g



Find all the possibilities of the ZIGZAG mechanical Prusik at www.petzl.com/ZIGZAG.



EXO D30015 B

Personal escape system with anchor hook adapted for locations where the possibility of finding an anchor point is uncertain

- Two ways to use the multi-purpose anchor hook:
 - around a structure, fixed with a locking hitch
 - on a window sill, as a last resort
- Self-braking system for:
 - rapid horizontal movement
 - going out a window
 - controlling and stopping a descent
 - limiting the force transmitted to the user in case of a fall
- Technora (aramid fiber) 7.5 mm diameter static rope, resists abrasion and high temperatures
- Meta-aramid fiber (fire-resistant) carry bag for attaching the system directly to the harness
- Certification(s): NFPA 1983 Escape Use
- Weight: 1700 g
- Product comes with 15 m rope (other lengths available by special order)

BECAUSE OF THE UNIQUE SHAPE OF THE ANCHOR HOOK, SPECIFIC PETZL TRAINING FOR THE EXO IS MANDATORY.



EXO EASHOOK

Personal escape system with EASHOOK carabiner (used during an evacuation where possible anchor points have been identified)

- EASHOOK anchor carabiner is easy to manipulate
- Technora (aramid fiber) 7.5 mm diameter static rope, resists abrasion and high temperatures
- Self-braking system for:
 - easily giving slack
 - controlling and stopping a descent
 - limiting the force transmitted to the user in case of a fall
- Meta-aramid fiber (fire-resistant) carry bag for attaching the system directly to the harness
- Available in two versions:
 - EXO EASHOOK (D30015 CN)
 - EXO EASHOOK black (D30015 CNN): black
- Certification(s): CE, EN 341 type D
- Weight: 1300 g
- Product comes with 15 m rope (other lengths available by special order)



RACK



HUIT

RACK D11

Variable friction descender with brake bars

- Allows the friction to be adjusted during the descent according to the weight of the rope: the lower bar is removable and easy to put in place
- Distributes friction and heat to help preserve the rope
- Does not twist the rope
- Rope compatibility: 9 to 13 mm diameter (single rope), 8 to 11 mm diameter (half rope)
- Weight: 470 g

HUIT D02

Figure 8 descender

- Square shape helps reduce rope twist, and girth hitch formation
- Compact and lightweight
- Rope compatibility: 8 to 13 mm diameter (single and half ropes)
- Weight: 100 g



Alpic Accès Difficiles, Gorges du Borne, France © Petzl / Lafouche

Rope clamps are primarily used for progression on ropes and for creating haul systems.



Easy to use

Rope clamps have to be easy and quick to use, for efficiency during progression, for passing intermediate anchors and for transitioning from ascending to descending. To do this, the rope is grabbed by a retractable spring-loaded cam. When the cam is locked in the open position, the rope channel is clear and thus facilitates the installation of the clamp onto the rope.

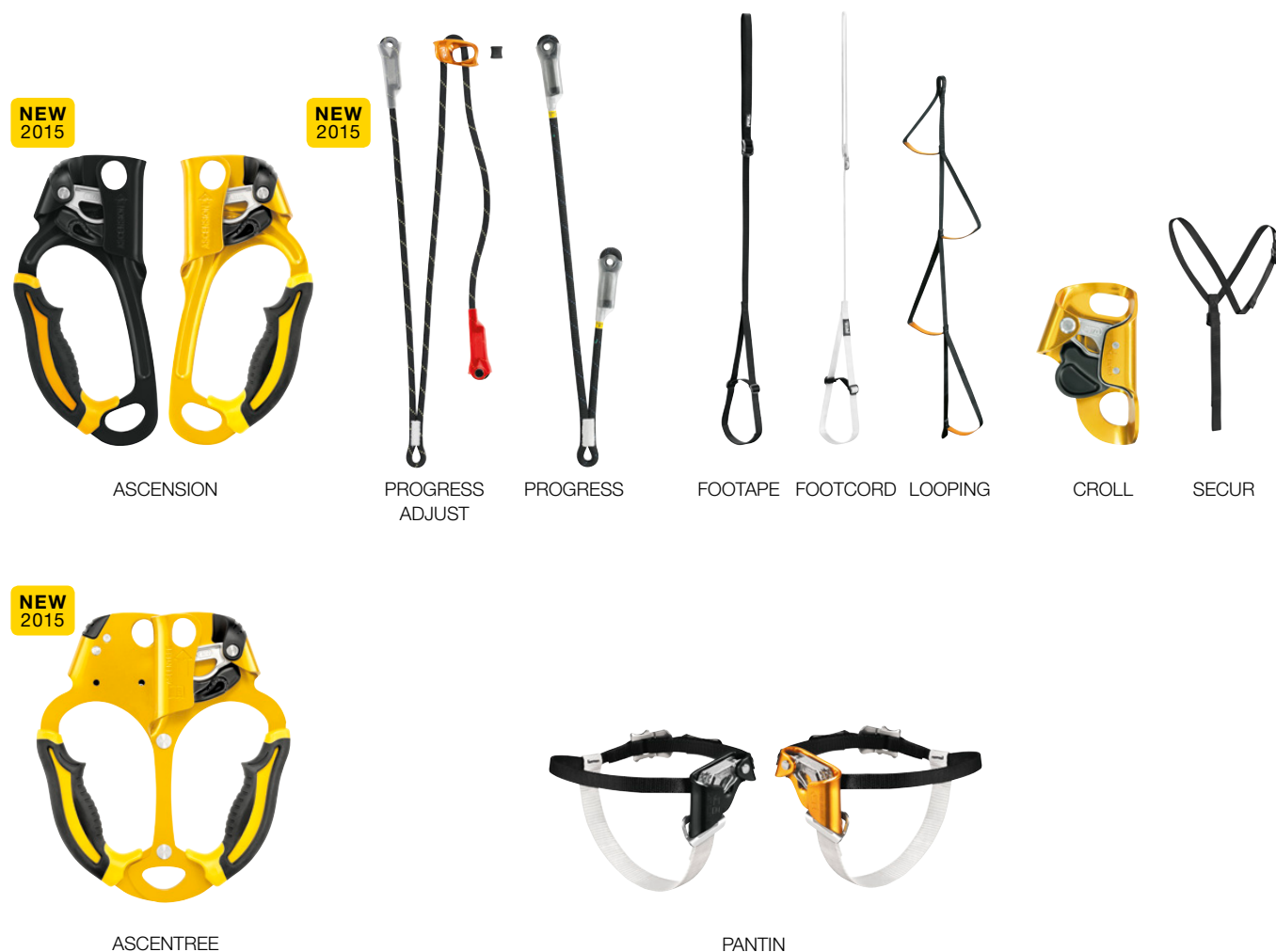


Optimal grip

Petzl's frame-loaded rope clamps are designed to function optimally under any conditions (wet, frozen, dirty ropes, for example). They are therefore equipped with a specific stainless steel cam. Its unique design, the shape of its teeth and its self-cleaning slot allow optimal grip on the rope without damaging it, while reducing the effort required to slide the device up the rope.

Rope clamps for progression

Frame-loaded rope clamps are easy to install and specially designed for rope ascents (handled rope clamps, ventral rope clamps and foot-mounted rope clamps).



HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

Rope clamp for hauling



BASIC

Emergency rope clamp

Ultra-compact, lightweight rope clamp allows occasional rope ascents and hauling system set-ups.



TIBLOC

ROPE CLAMPS

PULLEYS

Cam-loaded rope clamps



RESCUCENDER



MICROCENDER



MICROGRAB

ANCHORS
ROPES

PACKS
ACCESSORIES

ASCENSION

Handled ascender for rope ascents

NEW
2015ASCENSION
left-handedASCENSION
right handed

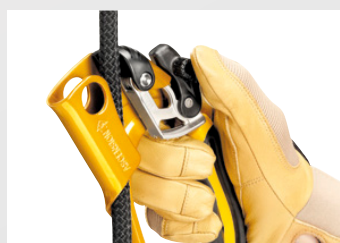
- Simple to use, and effective:
 - ergonomic molded handle allows a comfortable yet powerful grip
 - wide opening allows the handle to be easily grasped, even with thick gloves
 - ergonomic upper part to maximize power when pulling with two hands
 - safety catch is totally integrated into the body of the ascender to help prevent snagging
 - toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or dirty ropes...)
 - wide lower hole allows the carabiners of the PROGRESS ADJUST or PROGRESS lanyard and FOOTAPE or FOOTCORD footloop to be easily attached
 - upper hole for clipping a carabiner around the rope
- Available in left- or right-handed and in black/yellow or black versions
 - ASCENSION (B17ALA): left-handed, black/yellow
 - ASCENSION (B17ARA): right-handed, black/yellow
 - ASCENSION (B17ALN): left-handed, black
 - ASCENSION (B17ARN): right-handed, all black
- For single ropes between 8 and 13 mm in diameter
- Weight: 165 g
- Certification(s):
 - CE EN 567
 - CE EN 12841 type B
 - NFPA 1983 Technical Use
 - EAC



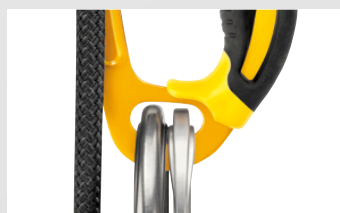
The overmolded dual-density grip has an area for the index finger and a wide, supportive base to keep the hand from slipping. This shape ensures a comfortable and powerful grip, increasing efficiency when ascending a rope.



Ergonomic upper part maximizes power when pulling with two hands.



The safety catch allows the handled rope clamp to be installed or removed anywhere on the rope with one hand. It is easily manipulated, even with gloves.



Wide lower hole allows the carabiners of the PROGRESS ADJUST or PROGRESS lanyard and FOOTAPE or FOOTCORD footloop to be easily attached.

NEW
2015PROGRESS
ADJUST

PROGRESS

PROGRESS
ADJUST L44R

Progression lanyard

Find a complete description of the PROGRESS ADJUST lanyard on page 76.

PROGRESS L44

Progression lanyard

Find a complete description of the PROGRESS lanyard on page 77.



FOOTAPE

FOOTCORD

LOOPING

FOOTAPE C47A

Adjustable webbing foot loop

- Attaches to an ASCENSION or BASIC rope clamp for rope ascents
- Underfoot strap is abrasion-resistant and is slightly rigid to make it easier to step into
- Elastic keeps foot in loop. It is adjustable in length, so it works with any type of shoe and stores easily when not in use
- DoubleBack buckle easily and quickly adjusts length of foot loop
- Weight: 65 g

FOOTCORD C48A

Adjustable cordage foot loop

- Attaches to an ASCENSION or BASIC rope clamp for rope ascents
- 100 % Dyneema for increased durability
- Elastic keeps foot in loop. It is adjustable in length, so it works with any type of shoe and stores easily when not in use
- Plate for adjusting foot loop length
- Weight: 40 g

LOOPING C25

Four-step etrier

- Attaches to an ASCENSION rope clamp for rope ascents or directly onto an anchor for progression in overhangs or roofs
- Underfoot strap is abrasion-resistant and is slightly rigid to make it easier to step into
- Weight: 145 g



CROLL® B16BAA

Chest ascender

- Compact, lightweight chest rope clamp
- Used with the ASCENSION handled rope clamp for rope ascents
- Toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or muddy ropes...). The stainless steel cam has better resistance to corrosion
- The rope channel is reinforced with stainless steel for greater durability
- Catch is opened by pinching for simple, quick manipulation
- Lower hole is angled to keep the device flat
- Upper hole for attaching a SECUR shoulder strap to keep the rope clamp in position
- Rope compatibility: 8 to 11 mm in diameter
- Weight: 85 g
- Certification(s):
 - CE EN 567
 - CE EN 12841 type B
 - EAC



SECUR C74A

Shoulder straps for positioning the CROLL rope clamp

- Simple construction for easy donning
- Front and rear DoubleBack buckles for easy, quick adjustment
- Mounts on rear ring of AVAO SIT, FALCON, FALCON ASCENT and SEQUOIA SRT seat harnesses
- Weight: 135 g

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

ASCENTREE B19AAA

Double-handled rope clamp for tree care

NEW
2015

- Designed for ascending doubled ropes in trees using the foot-lock technique or with two PANTIN foot ascenders
- Simple to use, and effective:
 - ergonomic overmolded handles allow a comfortable yet powerful grip
 - wide opening allows easy handling, even with thick gloves
 - safety catch is totally integrated into the body of the ascender to help prevent snagging
 - toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or dirty ropes...)
 - lower hole for connecting a lanyard
 - upper hole for clipping a carabiner around the rope
- For use on half ropes between 8 and 13 mm in diameter
- Weight: 330 g
- Certification(s): CE



The overmolded dual-density grips have an area for the index finger and a wide, supportive base to keep the hand from slipping. This shape ensures a comfortable and powerful grip, significantly increasing efficiency when ascending a rope.



The safety catch allows the handled rope clamp to be installed or removed anywhere on the rope with one hand. It is easily manipulated, even with gloves.



Left-foot PANTIN



Right-foot PANTIN

PANTIN®

Foot ascender - left and right foot versions

- Designed to make rope ascents faster and less tiring
- Used to complement CROLL, ASCENSION or ASCENTREE rope clamps
- Cam facilitates rope glide on the first few meters
- Toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or muddy ropes...). The stainless steel cam has better resistance to corrosion
- Mechanism is totally integrated into the body of the rope clamp to help prevent snagging
- Releases from the rope with a simple backwards movement of the foot
- Lower strap is 100 % Dyneema to resist abrasion
- Easy and quick adjustment with DoubleBack buckle
- Available in two versions:
 - right foot PANTIN (B02BRA): yellow
 - left foot PANTIN (B02BLA): black
- Rope compatibility: 8 to 13 mm in diameter
- Weight: 85 g

Warning: the PANTIN is not a PPE



BASIC B18BAA

Compact, versatile ascender

- Compact rope clamp for excellent grip
- Versatile: used to ascend a fixed rope, or as progress capture in a hauling system
- Toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or muddy ropes...). The stainless steel cam has better resistance to corrosion
- Wide lower hole allows lanyard and foot loop carabiners to be easily connected
- Upper hole for clipping a carabiner around the rope
- Rope compatibility: 8 to 11 mm in diameter
- Weight: 85 g
- Certification(s):
 - CE EN 567
 - CE EN 12841 type B
 - EAC



TIBLOC B01

Emergency rope clamp

- Extremely compact and lightweight: an efficient piece of basic equipment for rope access or rescue workers
- Versatile: this rope clamp is easy to use with a locking carabiner for ascending ropes or for setting up hauling systems (progress capture)
- Teeth and a self-cleaning slot optimize performance under any conditions (rope that is icy, muddy...)
- Attachment hole for keeper cord
- Rope compatibility: 8 to 11 mm rope with a locking carabiner having a 10 to 12 mm round or oval cross section (Am'D, WILLIAM...)
- Weight: 39 g
- Certification(s):
 - CE EN 567
 - EAC



RESCUCENDER



MICROCENDER



MICROGRAB

RESCUCENDER B50

Cam-loaded rope clamp

- Removable axle can be used to install or remove the rope clamp at any point on the rope
- Locking pin reduces the risk of the device accidentally coming off the rope
- Rope compatibility: 9 to 13 mm in diameter (single rope)
- Weight: 250 g
- Certification(s): CE EN 567

MICROCENDER B54

Cam-loaded rope clamp

- Removable axle can be used to install or remove the rope clamp at any point on the rope
- Locking pin reduces the risk of the device accidentally coming off the rope
- Rope compatibility: 9 to 13 mm in diameter (single rope)
- Weight: 160 g
- Certification(s):
 - CE EN 567
 - EAC

MICROGRAB B53

Cam-loaded rope clamp for permanent installation on a rope

- Bolted axle prevents the device accidentally coming off the rope; rope end must be threaded through the device.
- Rope compatibility: 9 to 13 mm in diameter (single rope)
- Weight: 175 g
- Certification(s): CE EN 567



SLFD training center, Salt Lake City, Utah, USA © Petzl / John Evans

Pulleys are used to haul up equipment or raise a person in a rescue situation. Some pulleys have an integrated rope clamp to make certain tasks easier. Certain pulleys also allow for movement along a rope or cable: for moving loads or evacuating a person.

Two factors determine a pulley's efficiency:

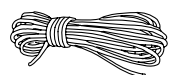
- Sheave size: the larger the sheave diameter, the higher the efficiency
- Bushings and bearings:
 - self-lubricating bushings are efficient, but they must be regularly maintained
 - sealed ball bearings are very efficient, and they do not require any maintenance



For easier selection of the appropriate pulley for each need, all Petzl pulleys with ball-bearings are identified by a symbol:



The second symbol represents the maximum rope diameter to be used with each pulley:



Progress capture pulleys

Pulleys with an integrated progress capture system may be used to replace a traditional pulley/rope clamp set-up in hauling systems.



PRO TRAXION



MICRO TRAXION

High-efficiency pulleys

Versatile, high-performance pulleys adapted for intensive use.

NEW
2015



PRO



PARTNER



RESCUE

Prusik pulleys

High-performance pulleys designed for use with a Prusik friction hitch to build a light progress capture system. The shape of the side plates allows the knot to be released when it comes against the pulley.



MINI



GEMINI



MINDER



TWIN

Single pulleys

Lightweight, versatile pulleys designed for situations that do not require a high level of efficiency (redirecting the rope...).



MOBILE



FIXE

Transport pulleys

Pulleys for movement along a rope or cable. Extremely quick and easy to install, these pulleys have fixed side plates and ensure perfect stability with their two aligned sheaves.



TANDEM



TANDEM SPEED

Specialized pulleys

Specialized pulleys are designed for particular applications requiring passage of knots or movement along a mechanical lift cable.



KOOTENAY



ROLLCAB

Haul kit

Haul kit for pickoffs, making a releasable anchor, or tensioning a system, thanks to its 4:1 mechanical advantage.

NEW
2015



JAG SYSTEM

NEW
2015



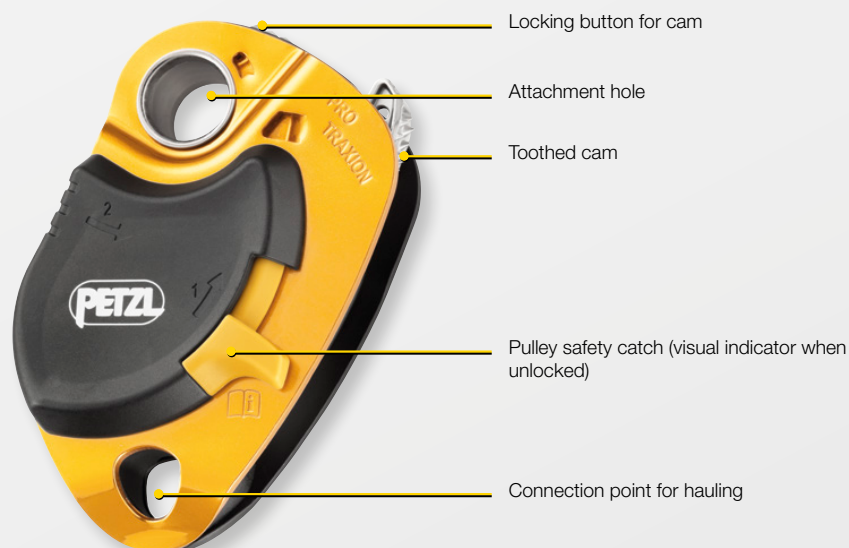
JAG TRAXION

NEW
2015



JAG

PRO TRAXION P51A

Very efficient loss-resistant progress capture pulley
 $8 \leq \varnothing \leq 13 \text{ mm}$

- Progress capture pulley designed to make it as simple as possible to install
 - the rope can be easily installed when the pulley is connected to the anchor
 - the pulley always stays attached to its connector, making it loss-proof
- Well suited for hauling heavy loads:
 - large diameter sheave mounted on sealed ball bearings for excellent efficiency
 - side plate locks when loaded and prevents opening of the pulley during use
- Versatile:
 - lower connection point for creating different types of hauling systems
 - toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or dirty ropes...)
 - may be used as simple pulley by locking the cam in the raised position



The rope may be installed in the PRO TRAXION pulley when the pulley is connected to the anchor.


 $8 \leq \varnothing \leq 11 \text{ mm}$

MICRO TRAXION P53

Very efficient, ultra-compact progress capture pulley

- Ultra-compact and lightweight
- Versatile:
 - toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or dirty ropes...)
 - may be used as simple pulley by locking the cam in the raised position
- Aluminum sheave mounted on sealed ball bearings for excellent efficiency

PRO P46

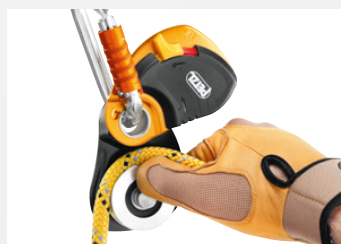
High-efficiency loss-proof pulley

**NEW
2015**

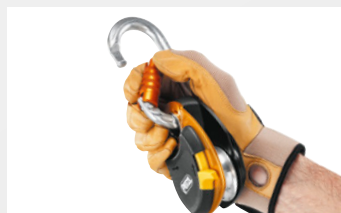


8 ≤ ϕ ≤ 13 mm

- Designed for maximum simplicity when setting up hauling or load deviation systems:
 - the rope can be easily installed even when the pulley is connected to the anchor
 - the pulley always stays attached to its connector, making it loss-proof
- Especially suited for handling heavy loads
 - large diameter sheave mounted on sealed ball bearings for excellent efficiency
 - side plate locks when loaded and prevents opening of the pulley during use



The rope may be installed even when the PRO pulley is connected to the anchor.



The pulley always stays attached to its connector, making it loss-proof.



The side plate locks under load to prevent opening of the pulley during use.



PARTNER



$\phi \leq 11$ mm



RESCUE



$\phi \leq 13$ mm

PARTNER P52A

Ultra compact, high efficiency pulley

- Ultra compact, very lightweight pulley
- Designed for daily tasks and for on-site rescue (Tyrolean traverse...)
- Sheave mounted on sealed ball bearings for excellent efficiency

RESCUE

High strength, high efficiency pulley

- For rescue professionals
- Designed to maneuver heavy loads or for intensive use
- Large diameter sheave mounted on sealed ball bearings for excellent efficiency
- Accepts up to three carabiners to facilitate use
- Available in two colors:
 - RESCUE red (**P50A**)
 - RESCUE black (**P50AN**)

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

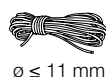
PULLEYS

ANCHORS
ROPES

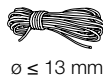
PACKS
ACCESSORIES



MINI

 $\varnothing \leq 11 \text{ mm}$ 

MINDER

 $\varnothing \leq 13 \text{ mm}$ 

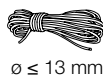
MOBILE

 $\varnothing \leq 13 \text{ mm}$ 

GEMINI

 $\varnothing \leq 11 \text{ mm}$ 

TWIN

 $\varnothing \leq 13 \text{ mm}$ 

FIXE

 $\varnothing \leq 13 \text{ mm}$

MINI P59A

Highly efficient and lightweight Prusik pulley

- Special side plates designed for use with a Prusik friction hitch in progress capture systems
- Sheave mounted on sealed ball bearings for excellent efficiency
- Compact and lightweight

GEMINI P66A

Highly efficient and lightweight double Prusik pulley

- Special side plates designed for use with a Prusik friction hitch in progress capture systems
- Parallel mounted sheaves and auxiliary attachment point for creating different types of hauling systems, including the most complex
- Sheave mounted on sealed ball bearings for excellent efficiency
- Compact and lightweight

MINDER P60A

High strength, high efficiency Prusik pulley

- Special side plates designed for use with a Prusik friction hitch in progress capture systems
- Large diameter sheave mounted on sealed ball bearings for excellent efficiency
- Accepts up to three carabiners to facilitate use

TWIN P65A

High strength, high efficiency double Prusik pulley

- Special side plates designed for use with a Prusik friction hitch in progress capture systems
- Parallel mounted sheaves and auxiliary attachment point for creating different types of hauling systems, including the most complex
- Large diameter sheaves mounted on sealed ball bearings for excellent efficiency
- Accepts up to three carabiners to facilitate use

MOBILE P03A

Versatile ultra-compact pulley

- Ultra compact, lightweight pulley
- Designed for hauling systems and deviations
- Sheave mounted on self-lubricating bushings for good efficiency

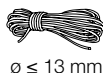
FIXE

Versatile compact pulley

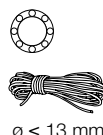
- Fixed side plates allow quick installation and coupling with a rope clamp
- Designed for hauling systems and deviations
- Sheave mounted on self-lubricating bushings for good efficiency
- For use with OK or WILLIAM type carabiner
- Available in two colors:
 - FIXE (P05W): yellow
 - FIXE (P05WN): black



TANDEM


 $\varnothing \leq 13 \text{ mm}$


TANDEM SPEED


 $\varnothing \leq 13 \text{ mm}$

TANDEM P21

Double pulley for Tyrolean traverses on rope

- Aluminum sheaves mounted on self-lubricating bushings for efficiency
- Accepts up to three carabiners to facilitate use

TANDEM SPEED P21 SPE

Double pulley for Tyrolean traverses on cable or rope

- Stainless steel sheaves for excellent durability
- Sheave mounted on sealed ball bearings for excellent efficiency
- Accepts up to three carabiners to facilitate use



KOOTENAY

260 mm

KOOTENAY P67

Knot-passing pulley

- High clearance rope channel allows passage of joining knots (long raise or Tyrolean traverse on two ropes)
- Large diameter sheave mounted on sealed ball bearings for excellent efficiency
- Locking pins on the sheave allow pulley to be used as an anchor
- Height: 260 mm



ROLLCAB

470 mm

ROLLCAB P47

Roller for movement along cable

- Designed for movement and evacuation along mechanical lift cables
- Large opening and large diameter sheave for use on cables up to 55 mm in diameter
- To be used with a back-up lanyard when moving
- Height: 470 mm

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

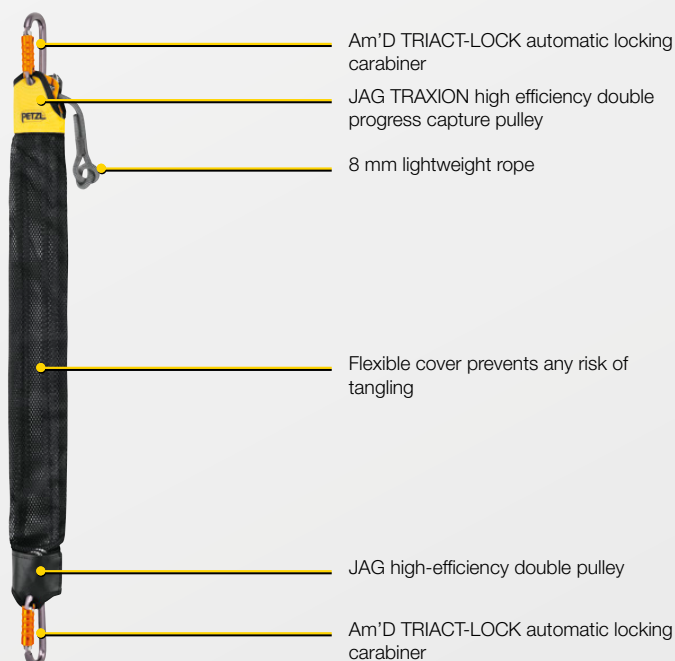
PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES

JAG SYSTEM P44

Haul kit

NEW
2015

- Versatile:
 - allows pickoffs, making a releasable anchor, tensioning a system...
 - can be coupled with an I'D descender to make a reversible rescue kit to pickoff and evacuate a victim
- Hauling effectiveness:
 - 4:1 mechanical advantage allows user effort to be divided by 4
 - excellent efficiency due to sheaves mounted on sealed ball bearings
 - deployment possible even when the distance to the anchor is very short, thanks to the extreme compactness of the collapsed system (30 cm)
 - 8 mm lightweight rope. The mechanical advantage guarantees a good grip
- Quick and easy to deploy:
 - kit always ready to use thanks to the flexible cover that prevents any risk of tangling
 - haul end immediately identifiable thanks to the yellow color of the end of the cover
 - the ends of the cover hold the connectors in position to facilitate clipping
- Comes with two Am'D TRIACT-LOCK auto-locking carabiners
- JAG and JAG TRAXION pulleys also available separately for making long haul systems (e.g. confined space descent/ascent system)
- Working load limit: 6 kN
- Breaking strength: 16 kN
- Weight: 590 g



The kit is always ready to use, thanks to the flexible cover that prevents any risk of tangling



The JAG SYSTEM is very compact, allowing use even when the distance to the anchor is very short

NEW
2015

JAG TRAXION P54

High efficiency double progress capture pulley

- Designed for use with the JAG double pulley to make a 4:1 haul system
- Toothed cam with self-cleaning slot optimizes performance under any conditions (frozen or muddy ropes...)
- Sheaves mounted on sealed ball bearings for excellent efficiency
- Sheave diameter: 25 mm
- Efficiency: 91 %
- Working load limit: $2 \times 1.5 \text{ kN} \times 2 = 6 \text{ kN}$
- Weight: 145 g
- Certification(s): CE EN 567, NFPA 1983 Technical Use

JAG P45

High-efficiency double pulley

- Designed for use with the JAG TRAXION double progress capture pulley to make a 4:1 haul system
- Sheaves mounted on sealed ball bearings for excellent efficiency
- Sheave diameter: 25 mm
- Efficiency: 91 %
- Working load limit: $2 \times 1.5 \text{ kN} \times 2 = 6 \text{ kN}$
- Weight: 120 g
- Certification(s): CE EN 12278, NFPA 1983 Technical Use

	Reference	Certification	Rope diameter	Sheave diameter	Ball bearings	Efficiency	Maximum working load	Weight	HARNESSES
Progress capture pulleys									HELMETS
PRO TRAXION	P51A	CE EN 567 NFPA 1983 Technical Use EAC	8 to 13 mm	38 mm	Yes	95 %	Pulley: 2.5 kN x 2 = 5 kN rope clamp: 2.5 kN	265 g	
MICRO TRAXION	P53	CE EN 567 EAC	8 to 11 mm	25 mm	Yes	91 %	Pulley: 2.5 kN x 2 = 5 kN rope clamp: 2.5 kN	85 g	LANYARDS ENERGY ABSORBERS
High-efficiency pulleys									
PRO	P46	CE EN 12278 NFPA 1983 Technical Use EAC	7 to 13 mm	38 mm	Yes	95 %	2.5 kN x 2 = 5 kN	205 g	MOBILE FALL ARRESTERS
PARTNER	P52A	CE EN 12278	7 to 11 mm	25 mm	Yes	91 %	2.5 kN x 2 = 5 kN	56 g	
RESCUE	P50A P50AN (black)	CE EN 12278 NFPA 1983 General Use	7 to 13 mm	38 mm	Yes	95 %	4 kN x 2 = 8 kN	185 g	
Prusik pulleys									CONNECTORS
MINI	P59A	CE EN 12278 NFPA 1983 Technical Use	7 to 11 mm	25 mm	Yes	91 %	2.5 kN x 2 = 5 kN	80 g	DESCENDERS
GEMINI	P66A	CE EN 12278 NFPA 1983 Technical Use	7 to 11 mm	25 mm	Yes	91 %	2 x 1.5 kN x 2 = 6 kN	135 g	
MINDER	P60A	CE EN 12278 NFPA 1983 General Use	7 to 13 mm	51 mm	Yes	97 %	4 kN x 2 = 8 kN	295 g	ROPE CLAMPS
TWIN	P65A	CE EN 12278 NFPA 1983 General Use	7 to 13 mm	51 mm	Yes	97 %	2 x 3 kN x 2 = 12 kN	450 g	
Single pulleys									PULLEYS
MOBILE	P03A	CE EN 12278	7 to 13 mm	21 mm	No	71 %	2.5 kN x 2 = 5 kN	75 g	
FIXE	P05W (yellow) P05WN (black)	CE EN 12278	7 to 13 mm	21 mm	No	71 %	2.5 kN x 2 = 5 kN	90 g	ANCHORS ROPES
Transport pulleys									
TANDEM	P21	CE EN 12278	rope ≤ 13 mm	21 mm	No	71 %	10 kN	195 g	PACKS ACCESSORIES
TANDEM SPEED	P21 SPE	CE EN 12278	rope ≤ 13 mm cable ≤ 12 mm	27.5 mm	Yes	95 %	10 kN	270 g	
Specialized pulleys									
KOOTENAY	P67	CE EN 12278	8 to 19 mm	76 mm	Yes	-	5 kN x 2 = 10 kN	1390 g	
ROLLCAB	P47	CE EN 1909	cable ≤ 55 mm	55 mm	No	-	5 kN	1470 g	



Rock and concrete anchors

Elements that allow installation of temporary or permanent fixed anchors.



CCEUR



CCEUR GOUJON



COLLINOX



BAT'INOX

Rigging equipment

Swivels provide a solution to the problems of twisting and tangling ropes, especially when hauling. Rigging plates allow the work station to be organized and increase the number of anchoring options.



PAW

NEW
2015



SWIVEL OPEN



SWIVEL S



SWIVEL L

Anchor straps

Slings designed for installation of easily transportable temporary anchors, offering adjustability, or a choice of lengths.



ANNEAU



CONNEXION



TREESBEE



TREESBEE SCREWLINK

Quick adjustment anchor



GRILLON

Temporary horizontal lifeline



GRILLON



COEUR



COLLINOX



AMPOULE COLLINOX



COEUR GOUJON



BAT'INOX



AMPOULE BAT'INOX

COEUR

Stainless steel bolt hanger

- Available in two versions:
 - COEUR (P34050): hanger for 10 mm bolts
 - COEUR (P38150): hanger for 12 mm bolts
- Weight: 40 g
- Certification(s): EN 795 A1

COEUR GOUJON

Complete stainless steel anchor assembly

- Consists of a COEUR hanger, expansion bolt and nut
- Hanger can be removed
- Available in two versions:
 - COEUR GOUJON (P32): COEUR hanger mounted on a 10 mm bolt, 85 g
 - COEUR GOUJON (P33): COEUR hanger mounted on a 12 mm bolt, 120 g
- Certification(s): EN 795 A1, EN 959

COLLINOX^{P55}

Forged stainless steel glue-in bolt

- 10 x 70 mm
- Weight: 95 g
- Certification(s): EN 959

AMPOULE

COLLINOX^{P56}

Resin glue for COLLINOX

BAT'INOX^{P57}

Forged stainless steel glue-in bolt

- 14 x 100 mm
- Weight: 250 g
- Certification(s): EN 959

AMPOULE

BAT'INOX^{P41}

Resin glue for BAT'INOX



PAW S



PAW M



PAW L



RING S



RING L

PAW

Rigging plate

- For easily organizing the work station and creating multi-anchor systems
- 19 mm holes allow the locking sleeves of most carabiners to pass through
- Made of aluminum: excellent strength-to-weight ratio
- Breaking strength: 36 kN
- Available in three sizes:
 - PAW S (P63 S): small (55 g)
 - PAW M (P63 M): medium (210 g)
 - PAW L (P63 L): large (350 g)
- Also available in black:
 - PAW S black (P63 SN)
 - PAW M black (P63 MN)
 - PAW L black (P63 LN)
- Certification(s): CE, NFPA 1983 General Use

RING

Connection ring

- Allows the creation of multiple anchors: its round shape ensures optimal functioning in all directions
- Breaking strength: 23 kN
- Certification(s): CE
- Available in two sizes:
 - RING S (C04620): 40 g
 - RING L (C04630): 70 g

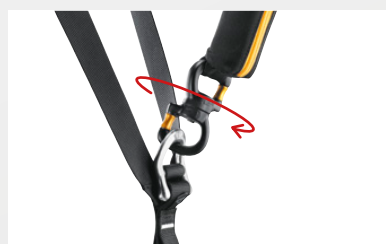
SWIVEL OPEN P58 SO

Gated swivel with sealed ball bearings

NEW
2015



The SWIVEL OPEN attaches to a wide range of products (pulleys, lanyards...) due to its large opening, allowing weight and bulk reduction in component systems.



When progressing with a lanyard, the SWIVEL OPEN prevents the arms from twisting and simplifies manipulations.

- Can be attached to a wide range of products (pulleys, lanyards...) because of its large opening
- Reduces bulk and weight of component systems
- Solves twisting and tangling problems with ropes and lanyards in different situations:
 - hauling: prevents rope twist when the load turns on itself, thus reducing kinking
 - hauling: avoids the risk of friction between ropes, which improves efficiency
 - progression with a lanyard: avoids twisting and simplifies manipulations
- Excellent performance and reliability due to maintenance-free sealed ball-bearings
- Breaking strength: 23 kN
- Weight: 130 g
- Certification(s): CE, EAC, NFPA 1983 Technical Use

SWIVEL

Ball bearing swivel

- Solves twisting and tangling problems with ropes in different situations:
 - hauling: prevents rope twist when the load turns on itself, thus reducing kinking
 - hauling: avoids the risk of friction between ropes, which improves efficiency
- Excellent performance and reliability due to maintenance-free sealed ball-bearings
- **SWIVEL S (P58 S):**
 - designed for one-person loads
 - compact
 - breaking strength: 23 kN
 - weight: 95 g
 - Certification(s): CE, EAC, NFPA 1983 Technical Use
- **SWIVEL L (P58 L):**
 - designed for two-person loads; up to three connectors can be attached in the ends
 - breaking strength: 36 kN
 - weight: 150 g
 - Certification(s): CE, EAC, NFPA 1983 General Use

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES



ANNEAU

Open loop sling

- Available in four lengths:
 - ANNEAU (C40 60): 60 cm (60 g)
 - ANNEAU (C40 80): 80 cm (80 g)
 - ANNEAU (C40 120): 120 cm (100 g)
 - ANNEAU (C40 150): 150 cm (135 g)
- Also available in black:
 - ANNEAU black (C40 60N): 60 cm (60 g)
 - ANNEAU black (C40 80 N): 80 cm (80 g)
 - ANNEAU black (C40120N): 120 cm (100 g)
- Breaking strength: 22 kN
- Certification(s): CE EN 566, CE EN 795 B, EAC

CONNEXION FIXE

Anchor strap

- Forged steel D-rings on the ends
- Available in three lengths:
 - CONNEXION FIXE (C42 100): 100 cm (365 g)
 - CONNEXION FIXE (C42 150): 150 cm (425 g)
 - CONNEXION FIXE (C42 200): 200 cm (485 g)
- Breaking strength: 22 kN
- Certification(s): CE EN 795 B

CONNEXION VARIO

Adjustable anchor strap

- Adjustment buckle allows strap to be adjusted between 80 and 130 cm
- Forged steel D-rings on the ends
- Length: 80 to 130 cm
- Weight: 480 g
- Breaking strength: 22 kN
- Certification(s): CE EN 795 B

CONNEXION FAST

Rapid adjustment anchor strap

- Rapid adjustment buckle on end allows strap to be adjusted between 20 and 150 cm
- Forged steel D-rings on the ends
- Length: 20 to 150 cm
- Weight: 440 g
- Breaking strength: 18 kN
- Certification(s): CE EN 795 B



TREESBEE TREESBEE SCREWLINK

TREESBEE

TREESBEE SCREWLINK

False crotch for tree care

- Protects the tree and improves rope glide at the anchor
- Can be retrieved from the ground
- Wide webbing limits twisting
- Triple thickness of termination on large ring side makes the webbing more rigid during retrieval
- Terminations easy to identify with color coding
- Length: 110 cm
- Available with two types of connector:
 - TREESBEE (C04110): strap with large diameter ring and small ring for ropes with spliced terminations (the splice goes through the small ring), 240 g, breaking strength: 23 kN
 - TREESBEE SCREWLINK (C04110 M): strap with large diameter ring and quick link (triangle) for ropes with sewn terminations (the link opens to let the sewn termination through), 295 g, breaking strength: 15 kN
- Certification(s): CE EN 795 B

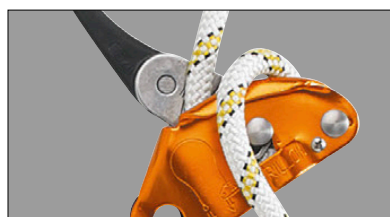
The TREESBEE will not be available for sale in the USA until the end of May 2015



GRILLON

Quick adjustment anchor

- Allows quick installation of an adjustable anchor that is longer than two meters
- The self-locking device allows easy adjustment of the length and tension at the anchor point (make a mule knot on the GRILLON to lock the anchor)
- Semi-static rope, resistant to aging and abrasion
- Sewn terminations on both ends with plastic sheath to keep the connector in position and protect the rope from abrasion
- Available in four versions (connector not included):
 - GRILLON (L52A 002): 2 m, 435 g
 - GRILLON (L52A 003): 3 m, 515 g
 - GRILLON (L52A 004): 4 m, 595 g
 - GRILLON (L52A 005): 5 m, 675 g
- Certification(s): CE EN 795 B, EAC



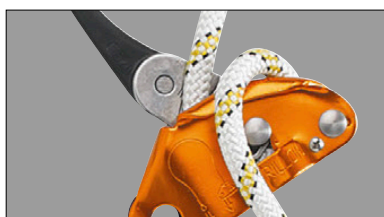
Find all the possibilities of the GRILLON quick adjustment anchor at www.petzl.com/GRILLON.



GRILLON

Temporary horizontal lifeline

- Allows a horizontal lifeline to be installed quickly when there is a large work surface
- The self-locking device allows easy adjustment of the length and tension between the two anchor points (make a mule knot on the GRILLON to lock the anchor)
- Semi-static rope, resistant to aging and abrasion
- Sewn terminations on both ends with plastic sheath to keep the connector in position and protect the rope from abrasion
- Available in four lengths:
 - GRILLON (L52A 005): 5 m, 675 g
 - GRILLON (L52A 010): 10 m, 1055 g
 - GRILLON (L52A 015): 15 m, 1455 g
 - GRILLON (L52A 020): 20 m, 1900 g
- Certification(s): CE EN 795 B, EAC

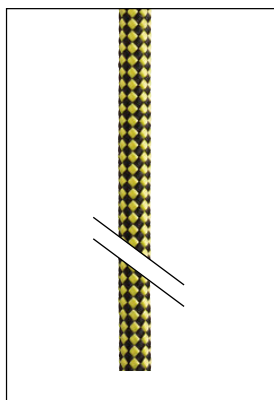


Find all the possibilities of the GRILLON lifelines at www.petzl.com/GRILLON.



Gardoni, CNR Génissiat dam on the Rhone, France © Petzl / Lafouche

The line of Petzl ropes is designed for professionals in the vertical world. They offer efficient solutions for the inherent challenges of these activities: difficult access, technical rescue, industry. To provide solutions to clients around the world, Petzl offers ropes that correspond to both European and North American standards.



Custom length ropes

(Available only for European standard ropes)

To more precisely respond to the specific needs of some professionals, Petzl offers a personalized service. It is therefore possible to order a rope at a specified length, with high-quality manufactured terminations having a protective sheath on one or both ends. This means that these products are ready for use without adding any knots.

The sewn terminations have a protective sheath that keeps the connector in position and facilitates manipulations.

The manufactured terminations are also stronger than a figure-eight knot and meet certain standards, specifically the EN 353-2 standard (mobile fall arrest system including a flexible anchor line, ASAP + rope).

European standard ropes



PARALLEL 10,5 mm



AXIS 11 mm



AXIS 11 mm



GRIP 12,5 mm



LINK 7 mm

North American standard ropes



VECTOR 11 mm



VECTOR 12,5 mm



RESCUE CORD 8 mm

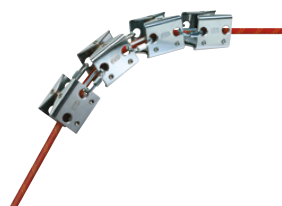
Rope protectors



PROTEC



SET CATERPILLAR



ROLL MODULE

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

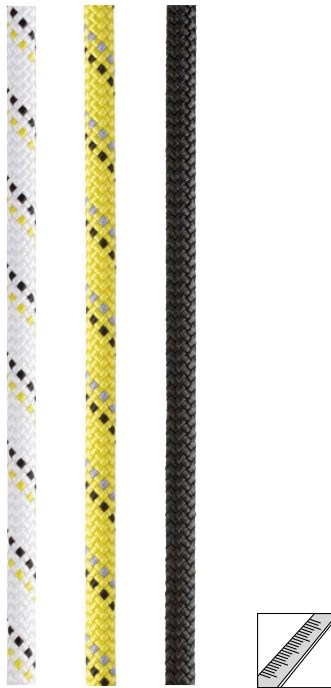
DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES



PARALLEL 10.5 mm

Semi-static rope for difficult access

- Thin diameter minimizes weight and bulk, requires expertise in controlling a descent
- Flexible, for excellent handling
- Available in three colors for easy differentiation of working rope, lifeline, and common access
- Standard lengths:
 - 50 m: white (**R77W 050**)
 - 50 m: yellow (**R77Y 050**)
 - 50 m: black (**R77N 050**)
 - 100 m: white (**R77W 100**)
 - 100 m: yellow (**R77Y 100**)
 - 100 m: black (**R77N 100**)
 - 200 m: white (**R77W 200**)
 - 200 m: yellow (**R77Y 200**)
 - 200 m: black (**R77N 200**)
- Custom orders by request:
 - choice of length (500 m maximum)
 - optional sewn terminations on the ends

- Strength tied with a figure eight knot: ≥ 15 kN
- Strength with sewn termination: ≥ 22 kN
- Shock load (factor 0.3): 5.1 kN
- Number of factor 1 falls: 16
- Weight: 65 g/m
- Certification(s): CE EN 1891 type A (semi-static ropes)

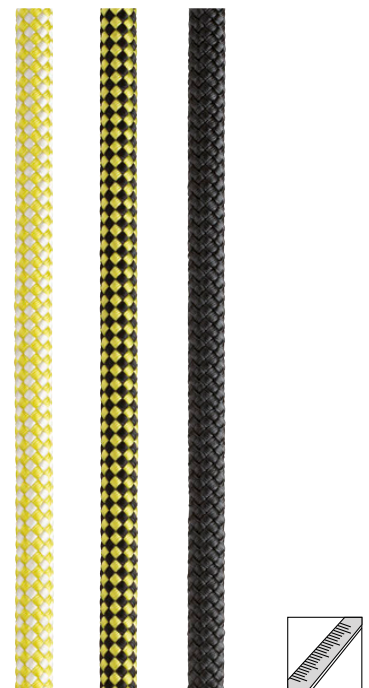


AXIS 11 mm

Semi-static, very abrasion-resistant rope with sewn termination

- Standard diameter designed for users who are not necessarily expert in rope techniques
- Available in 10 to 60 m lengths with one sewn termination, for use with an ASAP mobile fall arrester, or in a rescue kit with an I'D S descender
- Sewn termination with protective sheath helps keep the connector in the correct position and facilitates manipulation
- Standard lengths (sewn termination on the end):
 - 10 m: yellow/black (**R74YT 010**)
 - 20 m: yellow/black (**R74YT 020**)
 - 30 m: yellow/black (**R74YT 030**)
 - 40 m: yellow/black (**R74YT 040**)
 - 50 m: yellow/black (**R74YT 050**)
 - 60 m: yellow/black (**R74YT 060**)

- Strength with sewn termination: ≥ 22 kN
- Shock load (factor 0.3): 5.1 kN
- Number of factor 1 falls: 20
- Weight: 73 g/m
- Certification(s): CE EN 1891 type A (semi-static ropes)



AXIS 11 mm

Semi-static rope with excellent abrasion resistance

- Standard diameter designed for users who are not necessarily expert in rope techniques
- Available in three colors for easier identification of different kits
- Standard lengths:
 - 50 m: yellow/black (**R74Y 050**)
 - 50 m: black (**R74N 050**)
 - 100 m: yellow/black (**R74Y 100**)
 - 100 m: yellow/white (**R74W 100**)
 - 100 m: black (**R74N 100**)
 - 200 m: yellow/black (**R74Y 200**)
 - 200 m: black (**R74N 200**)
- Custom orders by request:
 - choice of length (500 m maximum)
 - optional sewn terminations on the ends

- Strength tied with a figure eight knot: ≥ 15 kN
- Strength with sewn termination: ≥ 22 kN
- Shock load (factor 0.3): 5.1 kN
- Number of factor 1 falls: 20
- Weight: 73 g/m
- Certification(s): CE, EN 1891 type A (semi-static ropes)



GRIP 12.5 mm

Semi-static, high-strength rope for rescue

- Diameter ensures excellent grip
- Standard lengths:
 - 30 m (R78W 030)
 - 60 m (R78W 060)
- Custom orders by request:
 - choice of length (250 m maximum)
 - optional sewn terminations on the ends
- Strength tied with a figure eight knot: ≥ 15 kN
- Strength with sewn termination: ≥ 22 kN
- Shock load (factor 0.3): 5.2 kN
- Number of factor 1 falls: 20
- Weight: 101 g/m
- Certification(s): CE EN 1891 type A (semi-static ropes)



LINK 7 mm

Control cord

- For guiding a victim during rescue or for hauling gear
- Standard lengths:
 - 30 m (R75W 030)
 - 60 m (R75W 060)
 - 120 m (R75W 120)
- Custom orders by request:
 - choice of length (800 m maximum)
 - optional sewn terminations on the ends
- Strength tied with a figure eight knot: ≥ 7 kN
- Strength with sewn termination: ≥ 10 kN
- Weight: 32 g/m
- Certification(s): CE EN 564

HARNESSES

HELMETS

LANYARDS
ENERGY
ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ROPE CLAMPS

PULLEYS

ANCHORS
ROPES

PACKS
ACCESSORIES



VECTOR 11 mm

Static rope designed for difficult access and for fall protection

- Fusion Process™ helps maintain the rope's shape and gives it excellent handling
- Available in four colors for easier identification of different kits
- Standard lengths:
 - 46 m / 150 ft: white (R1146 W)
 - 46 m / 150 ft: red (R1146 R)
 - 46 m / 150 ft: blue (R1146 B)
 - 46 m / 150 ft: black (R1146 N)
 - 61 m / 200 ft: white (R1161 W)
 - 61 m / 200 ft: red (R1161 R)
 - 61 m / 200 ft: blue (R1161 B)
 - 61 m / 200 ft: black (R1161 N)
 - 183 m / 600 ft: white (R11183 W)
 - 183 m / 600 ft: red (R11183 R)
 - 183 m / 600 ft: blue (R11183 B)
 - 183 m / 600 ft: black (R11183 N)
 - 200 m / 656 ft: white (R11200 W)
 - 200 m / 656 ft: black (R11200 N)
 - 366 m / 1200 ft: white (R11366 W)
 - 366 m / 1200 ft: black (R11366 N)

- Weight: 6 lb/100 ft
- Certification(s): NFPA 1983 Technical Use (static ropes)

VECTOR 12.5 mm

Static rope for fire rescue teams

- Fusion Process™ helps maintain the rope's shape and gives it excellent handling
- Available in six colors for easier identification of different kits
- Standard lengths:
 - 46 m / 150 ft: white (R1246 W)
 - 46 m / 150 ft: red (R1246 R)
 - 46 m / 150 ft: blue (R1246 B)
 - 46 m / 150 ft: yellow (R1246 Y)
 - 46 m / 150 ft: orange (R1246 O)
 - 61 m / 200 ft: white (R1261 W)
 - 61 m / 200 ft: red (R1261 R)
 - 61 m / 200 ft: blue (R1261 B)
 - 61 m / 200 ft: yellow (R1261 Y)
 - 61 m / 200 ft: orange (R1261 O)
 - 183 m / 600 ft: white (R12183 W)
 - 183 m / 600 ft: red (R12183 R)
 - 183 m / 600 ft: blue (R12183 B)
 - 183 m / 600 ft: yellow (R12183 Y)
 - 183 m / 600 ft: orange (R12183 O)
 - 183 m / 600 ft: black (R12183 N)
 - 366 m / 1200 ft: white (R12366 W)
 - 366 m / 1200 ft: black (R12366 N)

- Weight: 7.7 lb/100 ft
- Certification(s): NFPA 1983 General Use (static ropes)

RESCUE CORD 8 mm

Static cord for tying Prusik hitches on VECTOR 11 mm and VECTOR 12.5 mm ropes

- Excellent performance when belaying with the Tandem Prusik technique
- Available in four colors for easier identification of different kits
- Standard lengths:
 - 46 m / 150 ft: red (R846 R)
 - 46 m / 150 ft: orange (R846 O)
 - 46 m / 150 ft: green (R846 G)
 - 46 m / 150 ft: black (R846 N)
 - 92 m / 300 ft: red (R892 R)
 - 92 m / 300 ft: orange (R892 O)
 - 92 m / 300 ft: green (R892 G)
 - 92 m / 300 ft: black (R892 N)

- Weight: 3.3 lb/100 ft
- Certification(s): NFPA 1983 Escape Use (static ropes)



PROTEC C45 N

Flexible protection

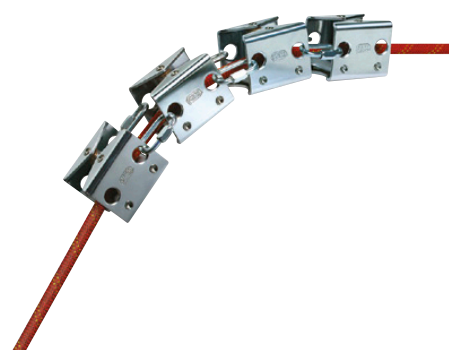
- To help protect a fixed rope from abrasion
- Rugged, lightweight sheath (without PVC)
- Velcro closure and clip for easy and quick installation
- Weight: 95 g



SET CATERPILLAR P68

Articulated protector

- To help protect a moving rope from abrasion
- Modules are connected with quick links: the number of modules can be varied according to the terrain
- Each module can be positioned independently to adapt to the terrain
- Product sold as a kit: 4 modules + 6 quick links
- Weight: 1055 g



ROLL MODULE P49

Articulated protector with rollers

- To guide a moving rope and protect it from abrasion
- Vertical and horizontal rollers guide the moving rope with a minimum of rubbing
- Each module can be positioned independently to adapt to the terrain
- Modules are connected with quick links: the number of modules can be varied according to the terrain
- Product sold as a kit: 4 modules + 6 quick links + carry bag
- Weight: 1330 g

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ACCESSORIES



Durable packs



TRANSPORT 45L



PORTAGE 30L



PERSONNEL 15L



TOOLBAG



BOLT BAG



PORTO

Upright packs



BUCKET 35L



BUCKET 25L

Tree care accessories



JET



AIRLINE



ECLIPSE

Accessories



CORDEX



CORDEX PLUS



SPATHA



CRAB 6



SPIKY PLUS

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TRANSPORT 45L S42Y 045

Durable large-capacity bag

- Waistbelt, shoulder straps and back panel are padded for comfort
- Upper flap with inside identification card pocket
- Coated fabric (PVC free) with welded construction for greater strength
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Inside loop for suspending pack in open position
- Capacity: 45 l
- Weight: 1250 g



The cordlock closure is easy to manipulate and functions in difficult environments.



PORTAGE 30L S43Y 030

Durable medium-capacity bag

- Padded shoulder straps for comfort
- Upper flap with inside identification card pocket
- Coated fabric (PVC free) with welded construction for greater strength
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Inside loop for suspending pack in open position
- Capacity: 30 l
- Weight: 850 g



PERSONNEL 15L



TOOLBAG S



TOOLBAG L



PORTO



BOLT BAG



BUCKET 35L



BUCKET 25L

PERSONNEL 15L S44Y 015

Durable small-capacity bag

- Simple, lightweight design
- Inside flap with identification card pocket
- Coated fabric (PVC free) with welded construction for greater strength
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Capacity: 15 l
- Weight: 450 g

TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- Available in two sizes:
 - TOOLBAG S (**S47Y S**): for smaller items (measuring tape, pencil, nuts/bolts...), 2.5 liters, 170 g
 - TOOLBAG L (**S47Y L**): for hand tools (hammer, screwdriver...), 5 liters, 240 g

PORTO C33

Webbing equipment loop

- Attaches easily to the pack's internal loop for organizing gear
- Weight: 18 g

BOLT BAG C11 A

Gear pouch

- To organize a hammer, bolting gear and other equipment
- Large pocket closes with a flap and rapid buckle
- Small internal pocket, external holster for a hammer and compartments for bits
- Can be worn on a belt
- Weight: 170 g

BUCKET

Fabric pack, remains upright

- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag
- External zippered pocket for personal effects
- Transparent external window for displaying an equipment identification card
- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior loop can be used as attachment point for rope
- Coated fabric bottom for durability
- Waterproof fabric
- Available in two versions:
 - 25-liter BUCKET (**S41Y 025**): 525 g
 - 35-liter BUCKET (**S41Y 035**): 630 g



JET



AIRLINE



ECLIPSE S03Y

Storage for throw-line

- Wide opening facilitates packing of AIRLINE throw-line and JET throw-bag
- Double bottom allows two throw-lines to be stored separately
- Two attachment points to separate the cord ends
- Four mesh pockets to hold the throw-bags
- Can be folded into a small bag (fits perfectly into the BUCKET pack)
- Weight: 500 g

JET

Throw-bag

- Throw bag has rugged, two-layer construction for long life
- Streamlined shape facilitates passage through tree branches
- Different colored stitching on the webbing differentiates bag weights
- Secondary connection point for quick attachment of the rope
- Yellow for excellent visibility
- Available in three versions:
 - JET 250 g (S02Y 250)
 - JET 300 g (S02Y 300)
 - JET 350 g (S02Y 350)

AIRLINE

Throw-line

- Combines flexibility for a precise throw and stiffness for avoiding knot formation as it comes out of the bag
- Excellent sheath-core bond maintains a round cross section, ensuring good rope glide through the tree. The sheath is made of Dyneema for excellent abrasion resistance
- Lightweight, does not require a very heavy throw bag
- Yellow for excellent visibility
- Weight: 2.1 g/m
- Available in two versions:
 - AIRLINE 60 m (R02Y 060)
 - AIRLINE 300 m (R02Y 300)





SPATHA



CRAB 6



SPIKY PLUS

CORDEX

Lightweight belay/rappel gloves

- Natural, high-quality leather
- Durable double layer of leather in high-wear areas (fingertips, palm, between thumb and index finger)
- Back made of breathable stretch nylon
- Neoprene cuff with Velcro closure
- Carabiner hole to attach gloves to harness
- Available in different sizes:
 - black color:
 - . S (K52 SN)
 - . M (K52 MN)
 - . L (K52 LN)
 - . XL (K52 XLN)
 - beige color:
 - . XS (K52 XST)
 - . S (K52 ST)
 - . M (K52 MT)
 - . L (K52 LT)
 - . XL (K52 XLT)
- Certification(s): CE EN 420, CE EN 388

CORDEX PLUS

Belay/rappel gloves

- Natural, high-quality leather with reinforced palm
- Durable double layer of leather in high-wear areas (fingertips, palm, between thumb and index finger)
- Back is made of durable leather with abrasion-resistant stretch nylon at key flex areas
- Neoprene cuff with Velcro closure
- Carabiner hole to attach gloves to harness
- Available in different sizes:
 - black color:
 - . S (K53 SN)
 - . M (K53 MN)
 - . L (K53 LN)
 - . XL (K53 XLN)
 - beige color:
 - . XS (K53 XST)
 - . S (K53 ST)
 - . M (K53 MT)
 - . L (K53 LT)
 - . XL (K53 XLT)
- Certification(s): CE EN 420, CE EN 388

SPATHA S92AN

Knife with carabiner hole

- Smooth/serrated combo blade easily cuts ropes and cordage
- Hole for attaching the knife to the harness with a CARITOOL tool holder or a carabiner
- Two ways to open the blade: with the notch in the blade if bare handed, or with the textured wheel when wearing gloves
- Mechanism for locking the blade in the open position
- Stainless steel blade for improved durability
- Weight: 43 g

CRAB 6 64160

6-point crampons

- For moving on talus and snow- or ice-covered slopes
- Double side adjustment adapts to all shoe sizes
- Weight: 400 g

SPIKY PLUS

Anti-slip soles

- For walking on snow, or on frozen or slippery terrain: rubber soles with carbide steel points
- Compatible with all types of footwear (street shoes, sport shoes, boots...)
- Available in three shoe sizes:
 - SPIKY PLUS 1 (79510): ≤ 41
 - SPIKY PLUS 2 (79520): 42...45
 - SPIKY PLUS 3 (79530): ≥ 46

HARNESSES

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Making an informed choice

With the growing number of headlamps now on the market and the different technologies being used, some explanation is necessary to choose the headlamp best suited to your needs.



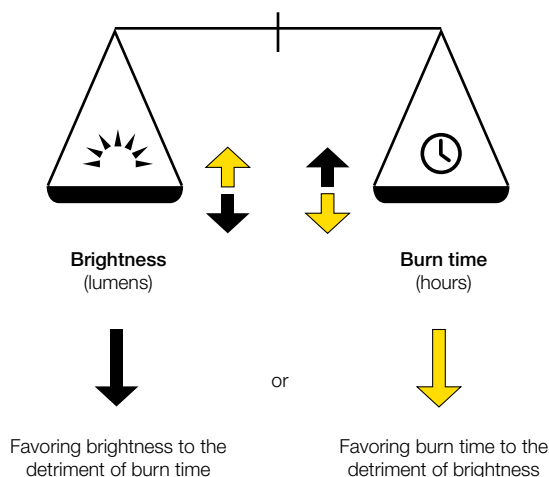
Different ways to use the available energy according to usage

Headlamp energy source:

- batteries
- integrated rechargeable battery

Brightness or burn time: A question of balance

Brightness and burn time are two inextricably linked parameters of any headlamp, regardless of its lighting technology. For a given quantity of energy, increasing the brightness automatically decreases burn time, and vice versa.



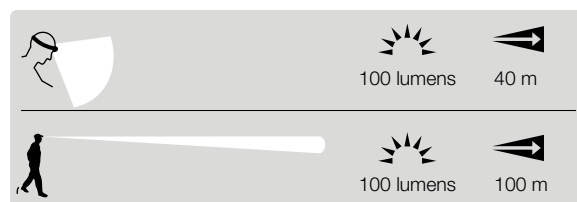
Note:

For a compact headlamp worn entirely on the head, the energy source (standard or rechargeable battery) has a limited capacity in order to reduce size and weight for the sake of comfort. In spite of the improved performance of today's LEDs and batteries, this still limits the capacity of a headlamp to provide both significant brightness and long burn time.

Lighting power: the shape of the beam directly affects lighting distance.

Lighting distance depends directly on lighting power, but mainly on the shape of the beam.

In fact, given the same light output, lighting distance will differ depending on the shape of the beam. For example, 100 lumens of light will project to 40 meters with a very wide beam, but up to 100 meters with a narrow beam.



Managing energy: different approaches

A headlamp's energy source can be managed in a number of ways.



STANDARD LIGHTING

Principle: the headlamp supplies energy "directly" to the light source

- Light output decreases progressively as the energy source discharges. The headlamp light is very intense for the first minutes, and then decreases gradually over time
- The rated brightness is the maximum light output, measured when the lamp is first turned on. This is the initial light output

Notes:

- the greater the initial brightness of a STANDARD LIGHTING headlamp, the faster it decreases
- when the performance ratings indicate a very high brightness with a very long burn time, one must be aware that these figures often correspond to light output in maximum mode and to burn time in minimum mode. These two characteristics can not be obtained simultaneously



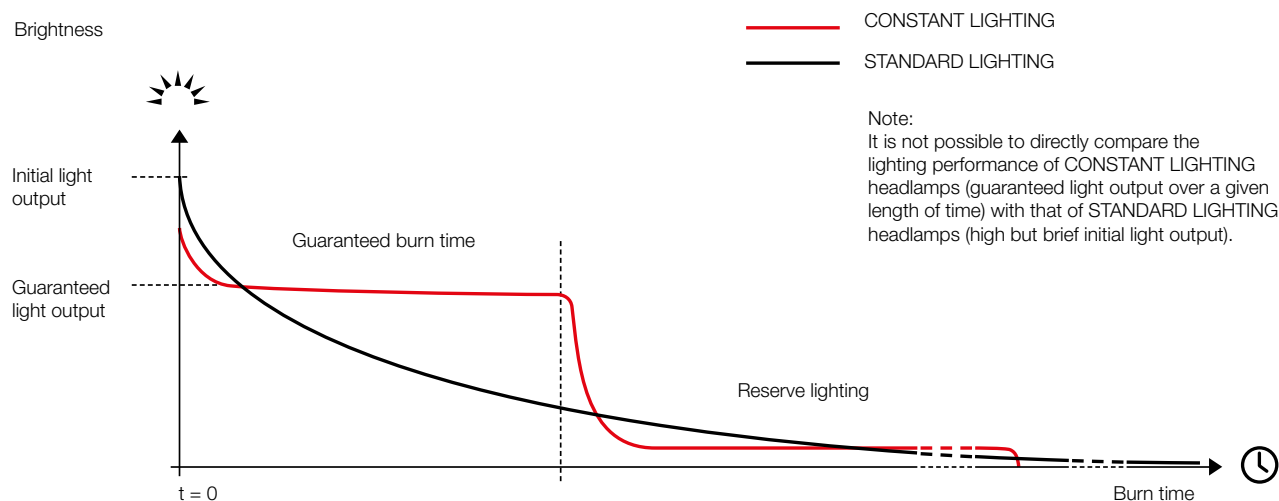
CONSTANT LIGHTING

Principle: the headlamp has an integrated electronic regulation system

- Light output is constant during a predetermined period. The duration corresponds to true usable burn time (and does not include reserve lighting)
- Constant lighting allows the light output measured during this period to be specified. This is the guaranteed brightness
- Most regulated headlamps move to reserve lighting mode when the energy source is nearly depleted (up to several dozen hours for certain products)

Notes: To obtain 100 lumens of brightness for 50 hours, for example, the equivalent of 75 AAA batteries would be required, translating to 1.1 kg on the head! Therefore, Petzl recommends that the user use caution when interpreting the impressive lighting performance claims made for some headlamps.

Brightness



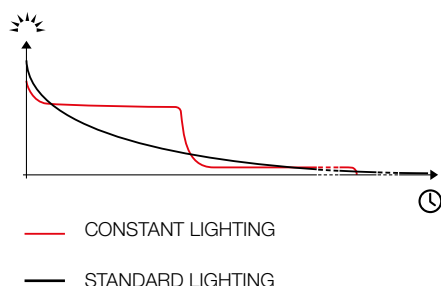
Key points about lighting

Five questions to ask yourself when choosing a headlamp for your needs

1. Does the energy management of my headlamp suit my needs?

Most Petzl headlamps have constant lighting (regulated headlamps). These headlamps ensure stable lighting performance for a pre-determined period of time. This way, the user knows that neither the luminosity nor the lighting distance will decrease during this period.

When the energy source is almost depleted, the headlamp still has enough reserve power to allow the user to complete the operation under way, or to change his location.



See details on page 133

Petzl advantages:

Regulated headlamps are more reliable and become real tools for the workplace, a companion during all your daily tasks.

2. Is the energy source appropriate for my frequency of use?

Petzl headlamps function with regular batteries or integrated rechargeable batteries, depending on the model. Each type of energy source corresponds to a user profile:

- regular batteries are best for occasional use, but their cost ends up being greater over time
- integrated rechargeable batteries are designed for more regular or intensive use. They are more practical: the headlamp is always ready to use. They free the user from any battery management issues. These headlamps end up being more economical over time, and more ecological

PIXA 3 headlamp with regular batteries



PIXA 3R headlamp with integrated rechargeable battery



Petzl advantages:

Petzl has chosen to use the highest performance technology for its PIXA and ULTRA headlamps: Lithium-Ion. These batteries ensure very low self-discharge rates, and very high performance at low temperatures.

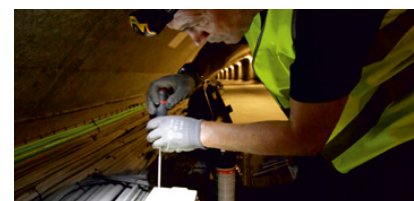
3. Are the different lighting modes appropriate for my professional activities?

Petzl indicates the different lighting modes available for each headlamp. These modes correspond to specific conditions of use: close-range work, moving around, seeing at a distance.

Each mode is characterized by:

- the shape of the beam (wide, focused, mixed...)
- corresponding lighting performance (light output, lighting distance, and burn time)

Examples of lighting modes for PIXA 3



Petzl advantages:

This way each user can opt for a desired level of performance and versatility in order to choose a headlamp best adapted to his needs.

4. Does the light ensure visual comfort?

To ensure optimal lighting, the body of the headlamp must be designed with extreme precision and equipped with the highest-quality components.

Petzl headlamps benefit from over 30 years of experience in the domain of lighting. This recognized expertise allows Petzl's R&D department to implement innovative solutions that maximize efficiency and reliability.

All Petzl headlamps are equipped with LEDs whose quality is guaranteed and constant. The LEDs we use meet our precise requirements. Each batch of LEDs is tested and selected according to proper color homogeneity, low energy consumption, and high luminous flux.

Each Petzl headlamp is individually inspected before leaving the factory. These operations include a test to measure lighting performance and beam homogeneity with the help of a digital camera.

5. Is the construction of the headlamp adapted to my working environment?

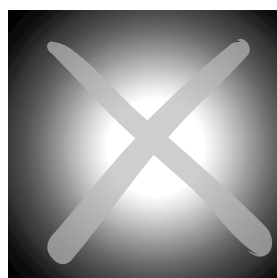
Petzl headlamps are designed to withstand the most severe conditions of use and to ensure maximum reliability.

This is why each model must pass particularly stringent tests:

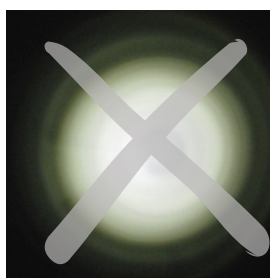
- for shock resistance, fall resistance and crushing (including at low temperatures)
- for functional reliability (mechanical endurance)
- individually, when they come off the assembly line (final quality)
- for watertightness



Perfectly uniform beam: comfort of use



Presence of a central bright spot: blinding



Presence of visual defects: lack of precision, discomfort, fatigue



Impact resistance test



Individual test for lighting performance



Functionality test

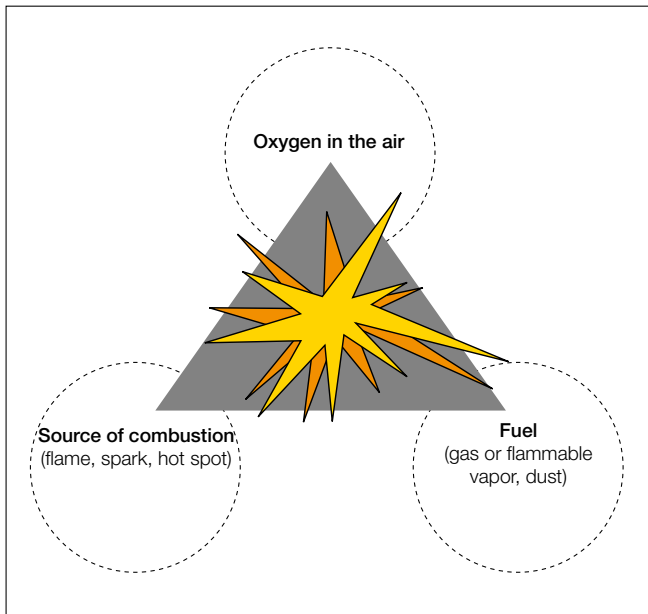
Petzl advantages:

Petzl headlamps ensure maximum visual comfort for the user: lighting is uniform and has no bright point in the center, no spotting, no dark areas.

Petzl advantages:

Most Petzl headlamps ensure excellent protection against liquids and solids (see the IP Protection Index, page 137).

Explosive environments (ATEX and HAZLOC standards)

**The ATEX standard**

What is the ATEX?

The ATEX regulation is a European directive which requires all heads of organizations to fully understand the risks related to certain explosive environments. To do this, an evaluation of the risk of explosion in a company is required in order to identify any locations where explosive environments could form, and then to put in place the means to avoid explosion.

How do you choose equipment that is adapted for an environment at risk of explosion?

ATEX environments are subdivided into three zones:

- zones 0, 1 or 2 for gases
- zones 20, 21 or 22 for dust

There are two groups of materials:

- group I: concerns mines (more restrictive)
- group II: concerns all above-ground industries

For Group II (above-ground industries), a specifically adapted category of equipment is associated with each ATEX zone classification.

See more details at www.petzl.com/atex.

Under what conditions can an explosion occur?

There is a risk of explosion when several elements are present:

- an oxidant: the oxygen in air, for example
- a fuel:
 - . gas or vapors: hydrocarbons, solvents, varnishes, diluents, gas, alcohol, dyes, perfumes, chemical products, agents for manufacture of plastics...
 - . powders and dust: magnesium, aluminum, sulfur, cellulose, cereals, carbon, wood, milk, resins, sugars, starch, polystyrenes, fertilizer...
- a hot spot or a source of combustion

For example, when filling a grain silo, the concentration of dust is very high. The environment then is dangerous: a rise in temperature, or even a spark, can trigger an explosion.

If a risk of explosion is identified in an environment (gas or dust), a safety requirement is imposed for the use of equipment that is specifically designed to function without becoming a potential source of combustion.

This equipment offers different types of protection designed to diminish the risk of explosion.

The HAZLOC standard

What is the HAZLOC?

The HAZLOC certification primarily concerns North America.

It aims to control the risks related to explosion in certain environments.

It comprises two elements:

- testing and evaluation of products being used
- inspection of the factory

How do you choose equipment that is adapted for an environment at risk of explosion?

Hazardous locations are classified in three ways under the HAZLOC standard:

- by type
- by conditions
- by nature of the hazardous substance or material

See more details at www.petzl.com/hazloc.

The IP Protection Index



The IP Protection Index is an international standard. This index classifies the level of protection offered by equipment against intrusions by solids (e.g. dust) and liquids (e.g. water, oil).

How do you read the protection index?

Example: IP 67

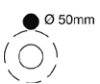

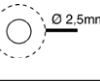
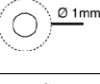
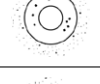

The first number indicates protection against solid objects.

The second number indicates protection against liquids.


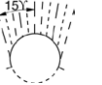
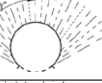

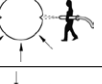
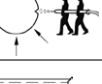


The IP 67 notation therefore corresponds to a completely dustproof product that is protected against the effects of immersion in liquid.

Note: When a criterion has not been tested, the number is replaced by X (e.g., IP X6 indicates that the product has not been tested for solids).

The first number indicates protection against solid objects:

X = Not measured	—
0 = Not protected	—
1 = Protected against projection of solids ≥ 50 mm in diameter	
2 = Protected against projection of solids ≥ 12.5 mm in diameter	
3 = Protected against projection of solids ≥ 2.5 mm in diameter	
4 = Protected against projection of solids ≥ 1 mm in diameter	
5 = Protected against dust (limited ingress, no harmful deposits)	
6 = Completely protected against dust	

The second number indicates protection against liquids:

X = Not measured	—
0 = Not protected	—
1 = Protected against vertically falling water drops	
2 = Protected against water drops (15° from vertical)	
3 = Protected against rain (60° from vertical)	
4 = Protected against sprayed water	
5 = Protected against jets of water	
6 = Protected against forceful hose-projected water	
7 = Temporary immersion (-1 meter for 30 minutes)	
8 = Prolonged immersion (deeper than 1 meter for period defined by manufacturer)	

Electromagnetic compatibility (EMC)

The electromagnetic compatibility (EMC) describes the ability of an electric device to work properly, independent of possible electromagnetic disturbances in the environment, and without producing its own. All Petzl headlamps meet the requirements of the 89/366/CEE directive concerning electromagnetic compatibility: they will not interfere with any other CE-marked devices.

The ANSI/NEMA FL1 standard

This standard was developed with the collaboration of the 14 principal manufacturers of portable lighting, including Petzl. The ANSI/NEMA FL1 standard defines a common protocol for measuring lighting performance. The goal is to allow comparison of different brands of headlamps along the same points of reference.

Note: The ANSI/NEMA FL1 standard doesn't take into account the way energy is managed and does not therefore permit direct comparison of constant lighting performance with declining lighting performance (See Making an informed choice).

For more information, visit www.petzl.com/ANSI.

A headlamp specialist for more than 40 years, Petzl has been inventing and developing equipment that offers professionals maximum freedom and efficiency for working in the dark.

Based on numerous field tests, Petzl headlamps are designed to ensure better ergonomics under any environmental conditions and for any type of operation: workshops, industry, public works and structures, rescue operations...



Régie du Pic du Midi, La Mongie, France © Petzl / Lafouche

High performance headlamps

Headlamps for intensive use and maximum lighting power



HIGH PERFORMANCE HEADLAMPS

Compact, rugged headlamps

Headlamps for daily use



COMPACT, RUGGED HEADLAMPS

Ultra-compact headlamps

Headlamps for occasional use



ULTRA-COMPACT HEADLAMPS

Versatile headlamps

Headlamps for intensive use

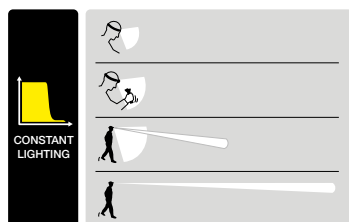


VERSATILE HEADLAMPS



SATMA, VICAT, Sassenage, France © Petzl / Lafouche

The ULTRA VARIO and ULTRA VARIO BELT headlamps were created for the most demanding activities. They are designed to offer powerful lighting and great versatility. These lamps have an exceptional weight to power ratio. The two versions allow the user to optimally reduce bulk (ULTRA VARIO) or weight carried on the head (ULTRA VARIO BELT), depending on need.



Versatile use

Four lighting modes designed to address multiple situations encountered in the field.



Rotating selector knob

Rotating selector knob is easy to use, even with gloves, allowing quick access to the different modes.



Performance lighting

The latest generations of LEDs deliver highly advanced lighting performance.



Lithium-Ion rechargeable battery

Lithium-Ion technology provides powerful, regulated lighting and limits the weight of the headlamp.



Two ways to wear them

The ULTRA VARIO and ULTRA VARIO BELT headlamps can be:

- worn directly on the head with the elastic band
- mounted without an elastic band on the Petzl VERTEX or ALVEO helmets (with the included mounting plate)





ULTRA VARIO® E54 H

Ultra-powerful multi-beam headlamp with rechargeable battery

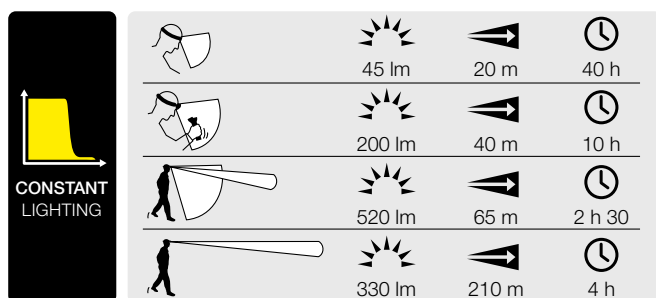
- Headlamp keeps the hands free for work: may be worn on the head with the headband, or mounted on a VERTEX (2011 version and later) or ALVEO helmet with removable plates (included)
 - CONSTANT LIGHTING technology: guaranteed lighting performance that does not diminish during the entire rated burn time. Switches to reserve mode when rechargeable battery is nearly spent (minimum 1 hour at 43 lumens)
 - Four modes adapt lighting to the situation:
 - low intensity mode: wide beam with relatively low intensity gives a long burn time and prevents blinding others
 - close-range work mode: wide beam with brightness suited to comfortable close-range vision
 - movement mode: mixed beam offers a focused component for easily moving around
 - distance vision mode: highly focused beam for spotting (maximum range)
 - Simple and convenient to use:
 - Rotating selector knob is easy to use, even with gloves, allowing quick access to the different modes:
 - quick connection system makes the battery easy to remove
 - front and back comfort plates with adjustable elastic headband for an excellent fit on the head
 - High-performance rechargeable battery:
 - the optimal compromise between capacity and size, making it comfortable on the head
 - 2600 mAh Lithium-Ion rechargeable battery offers excellent performance at low temperatures
 - energy gauge allows monitoring of battery's charge level
 - the light flashes when switching to reserve mode
 - charger included; quick charge in 3 hours for frequent use
 - Rugged:
 - excellent resistance to falls, to impacts and to crushing
- Waterproof (to -1 meter for 30 minutes) and dustproof (IP 67). No maintenance required after immersion
- Weight: 375 g (with ACCU 2 ULTRA)
 - Certification(s): CE
 - Guarantee:
 - lamp: 3 years
 - rechargeable battery: 1 year (or 500 charging cycles)



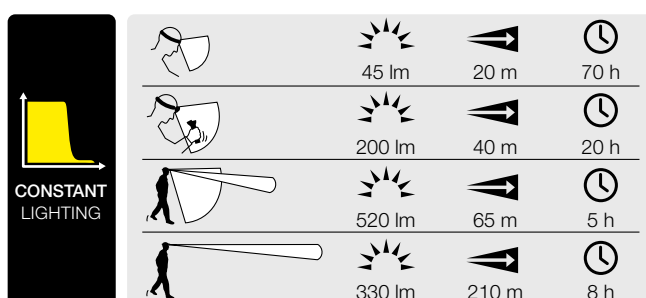
ULTRA VARIO® BELT E54 B

Ultra-powerful multi-beam headlamp with remote rechargeable battery pack

- Headlamp keeps the hands free for work: may be worn on the head with the headband, or mounted on a VERTEX (2011 version and later) or ALVEO helmet with removable plates (included)
 - Very high capacity battery may be moved to the waistbelt (case and mount included) to minimize the weight carried on the head
 - CONSTANT LIGHTING technology: guaranteed lighting performance that does not diminish during the entire rated burn time. Switches to reserve mode when rechargeable battery is nearly spent (43 lumens for 2 hours minimum).
 - Four modes adapt lighting to the situation:
 - low intensity mode: wide beam with relatively low intensity gives a long burn time and prevents blinding others
 - close-range work mode: wide beam with brightness suited to comfortable close-range vision
 - movement mode: mixed beam offers a focused component for easily moving around
 - distance vision mode: highly focused beam for spotting (maximum range)
 - Simple and convenient to use:
 - Rotating selector knob is easy to use, even with gloves, allowing quick access to the different modes:
 - quick connection system makes the battery easy to remove
 - front and back comfort plates with adjustable elastic headband for an excellent fit on the head
 - High-capacity remote rechargeable battery pack:
 - 5200 mAh Lithium-Ion rechargeable battery offers excellent performance at low temperatures
 - energy gauge allows monitoring of battery's charge level
 - the light flashes when switching to reserve mode
 - charger included; quick charge in 5 hours for frequent use
 - Rugged:
 - excellent resistance to falls, to impacts and to crushing
- Waterproof (to -1 meter for 30 minutes) and dustproof (IP 67). No maintenance required after immersion
- Weight: lamp 230 g + ACCU 4 ULTRA 265 g
 - Certification(s): CE
 - Guarantee:
 - lamp: 3 years
 - rechargeable battery: 1 year (or 500 charging cycles)



Reserve lighting: lights to 43 lumens for a minimum of 1 hour



Reserve lighting: lights to 43 lumens minimum for 2 hours



ACCU 2 ULTRA



ACCU 4 ULTRA



ULTRA quick charger

ACCU 2 ULTRA E55450 2

Rechargeable battery for ULTRA VARIO or ULTRA VARIO BELT headlamps

- Lithium-Ion technology offers high capacity (2600 mAh) with reduced weight and excellent performance at low temperatures
- Energy gauge allows monitoring of battery's charge level
- Quick connection system for instant battery removal
- Charges with the wall charger included with ULTRA VARIO headlamps (complete charge in 3 hours)
- Number of charging cycles: 500
- Waterproof (to -1 meter for 30 minutes) and dustproof (IP 67). No maintenance required after immersion
- Weight: 145 g
- Certification(s): CE
- Guarantee: 1 year or 500 charging cycles

ACCU 4 ULTRA E55400 2

Very high capacity rechargeable battery for the ULTRA VARIO BELT headlamp

- Lithium-Ion technology offers high capacity (5200 mAh) with reduced weight and excellent performance at low temperatures
- Energy gauge allows monitoring of battery's charge level
- Quick connection system for instant battery removal
- Charges with the wall charger included with ULTRA VARIO BELT headlamps (complete charge in 5 hours)
- Number of charging cycles: 500
- Waterproof (to -1 meter for 30 minutes) and dustproof (IP 67). No maintenance required after immersion
- Weight: 265 g
- Certification(s): CE
- Guarantee: 1 year or 500 charging cycles

ULTRA quick charger E55800

Quick wall charger for ACCU 2 ULTRA and ACCU 4 ULTRA rechargeable batteries

- 100/240 V EUR/US compatible wall charger
- Recharge time:
 - ACCU 2 ULTRA rechargeable battery: 3 hours
 - ACCU 4 ULTRA rechargeable battery: 5 hours
- End-of-charge indicator light
- Comes with interchangeable European and North American wall charger
- Certification(s): CE
- 3-year guarantee

COMPACT, RUGGED HEADLAMPS



Vicat, Cement plant Saint Egrève, France © Petzl / Lafouche

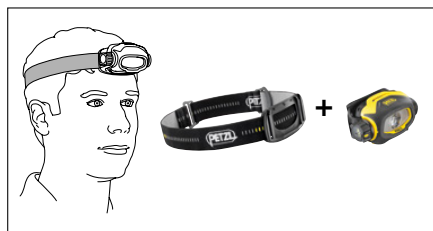
PIXA is a line of headlamps designed specifically for professionals who regularly work in the dark. They provide lighting while keeping the hands free for efficient, comfortable work. Their major strengths: rugged, reliable, easy to use, and versatile. This line comes in four models adapted for different uses.



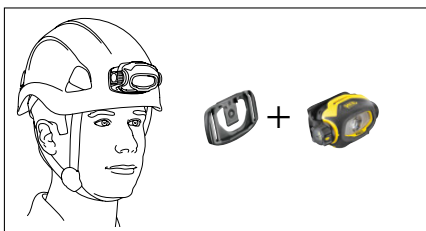
Find more about the Pixa line at www.petzl.com/PIXA.

Three ways to wear them

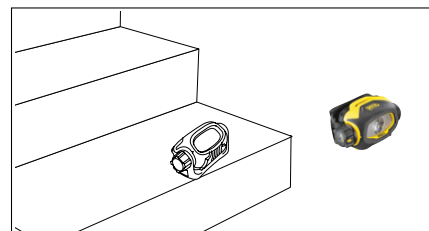
To meet the specific needs of each work situation, PIXA headlamps may be worn directly on the head (with the elastic headband), mounted without the headband on a Petzl VERTEX or ALVEO helmet (with the included mounting plate), or placed on the ground.



On the head



On a Petzl helmet



Placed on the ground

Lighting

CONSTANT LIGHTING

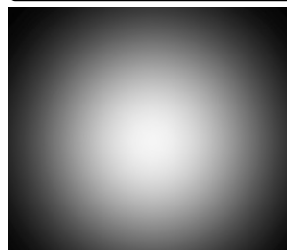
Integrated electronic power regulation in PIXA headlamps guarantees lighting that does not decrease as the batteries are drained.



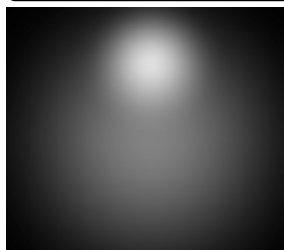
CONSTANT
LIGHTING

Multiple types of lighting

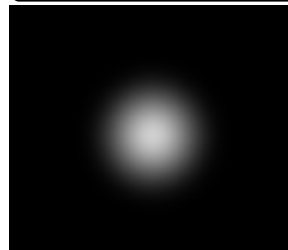
PIXA headlamps offer different lighting options in order to better meet the needs of professionals. They provide uniform lighting in the work zone.



Wide beam for close work



Mixed beam for moving around



Focused beam for distance vision

Rugged construction



Easy to use

The rotating selector knob is easy to access and manipulate, even while wearing gloves. This dial allows quick, straightforward selection of different lighting modes.



Watertightness

PIXA headlamps are waterproof and remain completely operational even after complete immersion (degree of protection IP 67).



Great mechanical strength

Shocks, falls, crushing: these lamps are designed to endure the daily rigors of a professional work site.



Chemical resistance

In order to ensure reliable functioning in harsh environments, these headlamps have been tested for resistance to a number of substances (detailed list at www.petzl.com).



Storage position

The storage position of the PIXA headlamp keeps the lens protected and locks the selector knob to prevent accidentally turning it on in the toolbox.



ATEX and HAZLOC certifications

PIXA headlamps are also designed for use in explosive environments.

Compact, rugged headlamps

PIXA 3R

Rechargeable, multi-beam headlamp for frequent use, suitable for proximity lighting, movement and long-range vision, with CONSTANT LIGHTING technology

NEW
2015



PIXA 3

Multi-beam headlamp suitable for proximity lighting, movement and long-range vision, with CONSTANT LIGHTING technology

NEW
2015



PIXA 2

Headlamp suitable for proximity lighting and movement, with CONSTANT LIGHTING technology

NEW
2015



PIXA 1

Headlamp suitable for proximity lighting, with CONSTANT LIGHTING technology

NEW
2015



Accessories



RUBBER



POCHE



RECHARGEABLE BATTERY
FOR PIXA 3R



CAR CHARGER

PIXA® 3R E78CHR 2

Rechargeable, multi-beam headlamp for frequent use, suitable for proximity lighting, movement and long-range vision, with CONSTANT LIGHTING technology

NEW 2015 NEW LIGHTING PERFORMANCE



- Headlamp keeps hands free for work and can be worn:
 - on the head with the headband
 - attached to the helmet with a mounting plate (included)
 - placed on the ground
- For frequent use, with integrated rechargeable Lithium-Ion polymer battery and quick charging dock (3 hours)
- **CONSTANT LIGHTING** technology ensures brightness that does not gradually decrease as the battery drains
- Several lighting modes adapt to each situation:
 - a mode adapted for close range work: wide, uniform beam
 - a mode adapted for movement: mixed beam with focused component allows user to move around comfortably
 - a mode adapted for long-range vision: focused beam
- Burn time parameters may be used to adapt lighting performance to need (by rapidly turning the knob):
 - **STANDARD**: balance between power and burn time
 - **MAX AUTONOMY**: burn time prioritized
 - **MAX POWER**: brightness prioritized

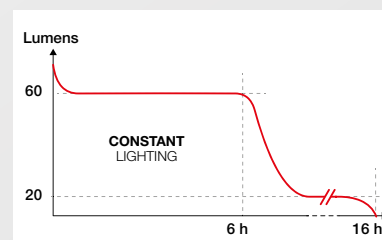
- Lighting for professionals that is reliable, practical and durable:
 - automatically switches to reserve mode when battery is almost drained (signaled by blinking light and red indicator)
 - knob is easy to use, even with gloves on
 - storage position helps protect the headlamp lens and prevents inadvertently turning it on
 - charging dock for direct charging of the headlamp itself or only the battery
 - may be used in explosive environments (ATEX: zone 2/22)
 - excellent resistance to falls (2 m), impacts, and crushing (80 kg)
 - comfortable and washable elastic headband
 - resistant to chemicals (see www.petzl.com/PIXA)
- Weight: 145 g
- Power: Li-Ion polymer 930 mAh battery
- Certification(s):
 - CE
 - ATEX: CE0080, Ex II 3 GD, Ex nAnL IIB T4
 - ANSI/NEMA FL1
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)
- 3-year guarantee (battery 1 year or 300 cycles)



Charging dock for directly charging the headlamp without removing the battery. The battery may also be charged alone to allow the user to continue using the headlamp with a second battery.



Multi-beam: multiple lighting modes for close range work, for movement or for long-range vision.



Light output is constant during a predetermined period that corresponds to the truly usable burn time (e.g., lighting curve in mode for moving around, in **STANDARD** configuration).



STANDARD				
	30 lm	20 m	12 h	
	60 lm	50 m	6 h	
	90 lm	80 m	3 h	

MAX AUTONOMY				
30 lm	20 m	12 h		
30 lm	30 m	12 h		
30 lm	50 m	12 h		

MAX POWER				
90 lm	30 m	3 h		
90 lm	50 m	3 h		
90 lm	80 m	3 h		

Reserve lighting: lights to 20 lumens minimum for 10 hours.

Compact, rugged headlamps

**NEW
2015**

NEW LIGHTING PERFORMANCE



PIXA® 3 E78CHB 2

Multi-beam headlamp suitable for proximity lighting, movement and long-range vision, with CONSTANT LIGHTING technology

- Headlamp keeps hands free for work and can be worn:
 - on the head with the headband
 - attached to the helmet with a mounting plate (included)
 - placed on the ground
- CONSTANT LIGHTING technology ensures brightness that does not gradually decrease as the battery drains
- Several lighting modes adapt to each situation:
 - a mode adapted for close range work: wide, uniform beam
 - a mode adapted for movement: mixed beam with focused component allows user to move around comfortably
 - a mode adapted for long-range vision: focused beam
- Lighting for professionals that is reliable, practical and durable:
 - automatically switches to reserve mode when batteries are almost drained (signaled by blinking light and red indicator)
 - knob is easy to use, even with gloves on
 - storage position helps protect the headlamp lens and prevents inadvertently turning it on
- may be used in explosive environments (ATEX: zone 2/22)
- excellent resistance to falls (2 m), impacts, and crushing (80 kg)
- comfortable and washable elastic headband
- resistant to chemicals (see www.petzl.com/PIXA)
- Weight: 160 g
- Power: 2 AA/LR06 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Certification(s):
 - CE
 - ATEX: CE0080, Ex II 3 GD, Ex nAnL IIB T4
 - HAZLOC: class I groups C & D div II, Class II group G div II (certifications guaranteed only with alkaline batteries)
 - ANSI/NEMA FL1
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)
- 3-year guarantee

**NEW
2015**

NEW LIGHTING PERFORMANCE



PIXA® 2 E78BHB 2

Headlamp suitable for proximity lighting and movement, with CONSTANT LIGHTING technology

- Headlamp keeps hands free for work and can be worn:
 - on the head with the headband
 - attached to the helmet with a mounting plate (included)
 - placed on the ground
- CONSTANT LIGHTING technology ensures brightness that does not gradually decrease as the battery drains
- Several lighting modes adapt to each situation:
 - low-intensity mode adapted to close-range work: mixed beam with a wide, uniform flood
 - high-intensity mode adapted to movement: mixed beam with focused component allows user to move around comfortably
- Lighting for professionals that is reliable, practical and durable:
 - automatically switches to reserve mode when batteries are almost drained (signaled by blinking light)
 - knob is easy to use, even with gloves on
 - storage position helps protect the headlamp lens and prevents inadvertently turning it on
- may be used in explosive environments (ATEX: zone 2/22)
- excellent resistance to falls (2 m), impacts, and crushing (80 kg)
- comfortable and washable elastic headband
- resistant to chemicals (see www.petzl.com/PIXA)
- Weight: 160 g
- Power: 2 AA/LR06 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Certification(s):
 - CE
 - ATEX: CE0080, Ex II 3 GD, Ex nAnL IIB T4
 - HAZLOC: class I groups C & D div II, Class II group G div II (certifications guaranteed only with alkaline batteries)
 - ANSI/NEMA FL1
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)
- 3-year guarantee



	30 lm	20 m	12 h
	60 lm	50 m	6 h
	100 lm	80 m	3 h

Reserve lighting: lights to 20 lumens minimum for 10 hours.



	30 lm	20 m	12 h
	70 lm	55 m	3 h

Reserve lighting: lights to 20 lumens minimum for 10 hours.

**NEW
2015**

NEW LIGHTING PERFORMANCE



RUBBER



POCHE PIXA



RECHARGEABLE BATTERY
FOR PIXA 3R



CAR CHARGER

PIXA® 1 E78AHB 2

Headlamp suitable for proximity lighting, with CONSTANT LIGHTING technology

- Headlamp keeps hands free for work and can be worn:
 - on the head with the headband
 - attached to the helmet with a mounting plate (included)
 - placed on the ground
- CONSTANT LIGHTING technology ensures brightness that does not gradually decrease as the battery drains
- Lighting for professionals that is reliable, practical and durable:
 - wide, comfortable beam
 - two lighting modes: low-intensity mode adapted to close-range work and high-intensity mode adapted to proximity vision
 - automatically switches to reserve mode when batteries are almost drained (signaled by blinking light)
 - knob is easy to use, even with gloves on
 - storage position helps protect the headlamp lens and prevents inadvertently turning it on
- may be used in explosive environments (ATEX: zone 2/22)
- excellent resistance to falls (2 m), impacts, and crushing (80 kg)
- comfortable and washable elastic headband
- resistant to chemicals (see www.petzl.com/PIXA)
- Weight: 160 g
- Power: 2 AA/LR06 batteries (included)
- Battery compatibility: rechargeable Ni-MH and lithium
- Certification(s):
 - CE
 - ATEX: CE0080, Ex II 3 GD, Ex nAnL IIB T4
 - HAZLOC: class I groups C & D div II, Class II group G div II (certifications guaranteed only with alkaline batteries)
 - ANSI/NEMA FL1
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes, no maintenance required after immersion)
- 3-year guarantee

RUBBER E78002

Rubber headband for PIXA headlamp, compatible with all helmet types

- Ideal for industrial helmets that are not equipped with positioning hooks for the headband
- The rubber holds the headlamp securely on the helmet
- The plate allows quick and easy mounting of the headlamp onto the headband
- May be used in all situations, including harsh environments (rubber is a very durable material)
- Buckle adjustment system is easy to use
- 3-year guarantee

POCHE PIXA® E78001

Carry pouch for PIXA headlamp

- Quick opening flap system with push-button
- Can be carried on the waistbelt thanks to its push-button locking strap
- 3-year guarantee

Rechargeable battery for PIXA 3R E78003

Rechargeable Lithium-Ion polymer battery, 930 mAh

- Rechargeable separately or in the headlamp; charging dock included with PIXA 3R headlamp
- Quick charge in 3 hours
- Guaranteed for one year or 300 charging cycles

Car charger E93111

12 V USB car adapter

- Allows the PIXA 3R headlamp to be recharged with a USB cable and the charging dock included with the PIXA 3R
- Quick charge in 3 hours
- 3-year guarantee



		20 lm		10 m		12 h
		50 lm		15 m		3 h

Reserve lighting: lights to 20 lumens minimum for 15 hours.



© Petzl / Lafouche

Petzl's ultra-compact headlamps are designed to meet two specific needs for occasional use:

- facilitate occasional work in dark areas with the TIKKA headlamp
- provide extra light or signal your position in case of emergency with the e+LITE headlamp

TIKKA® PRO E93HN

Ultra-compact headlamp for proximity lighting and occasional usage

NEW
2015



- Headlamp keeps the hands free:
 - compact
 - two lighting modes: a mode for proximity lighting and a mode for limited movement
- Easy to use:
 - push-button for easy, quick lighting mode selection
 - elastic headband adjusts easily
 - washable headband
 - battery case opens easily for changing batteries
- Technology: STANDARD LIGHTING - brightness decreases gradually as the energy source is drained
- Weight: 85 g
- Power: 3 AAA/LR3 batteries (included), compatible with rechargeable Ni-MH and Ni-Cd batteries and lithium batteries
- Certification(s): CE
- Watertightness: IPX4 (weather resistant)
- 3-year guarantee



Wide, uniform lighting for comfortable proximity lighting and movement over short distances.



Push-button for easy, quick selection of the lighting mode best adapted to each situation.

NEW
2015



KIT ADAPT



e+LITE

KIT ADAPT E93001

Kit for mounting a TIKKA type headlamp onto a helmet

- Allows the user to easily mount a TIKKA headlamp on a helmet
- Maintains the option of adjusting the tilt of the headlamp
- Kit composed of two parts:
 - an adhesive disk to mount on the helmet
 - an attachment plate for joining the headlamp to the disk
- Weight: 30 g

e+LITE E02 P3

Ultra-compact emergency headlamp

- Ultracompact, ultra-light (less than 5 cm long and only 27 g) emergency headlamp to always have with you
- Always ready to use, can be stored with batteries for 10 years
- Bright white lighting (26 lumens up to 29 meters) allows you to move around easily in the dark
- For emergency situations, the red LED allows you to be seen from a distance (300 meters for 30 hours)
- Locking on/off switch designed to prevent accidental operation
- Resists extreme temperatures: -30° C to +60° C
- Technology: STANDARD LIGHTING - brightness decreases gradually as the energy source is drained
- Weight: 27 g
- Power: 2 CR2032 lithium batteries (included)
- Certification(s): CE, ATEX (Ex II 3 GD Ex ic IIC T6, Ex tD A22, IP 68 T85° C)
- Watertightness: IP 67 (waterproof to -1 meter for 30 minutes)
- 10-year guarantee



20 lm



25 m



180 h



100 lm



55 m



120 h



EDF Centrale de Malgovert, France © Pascal Tournaire

DUO headlamps are designed for professionals working in difficult conditions. These headlamps are waterproof. They are resistant to shock, abrasion, dirt and water. The design features of these headlamps make them a high-performance option for lighting. DUO headlamps have two light sources that can be oriented to provide long-range or close-range lighting, depending on the need.



Hybrid lighting

The two light sources provide versatile lighting adapted to most work situations: they allow close-range lighting with an LED light source, or long-range lighting with a halogen bulb.



Switch

The on/off switch of the headlamp can be manipulated with one hand and can be locked by flipping the yellow lever to avoid accidentally turning on the lamp.



Waterproof battery case

Designed for demanding environments, DUO headlamps have a battery case that resists the most difficult conditions. The two metal hooks ensure that the lid locks perfectly and is waterproof to -5 meters.

Hybrid headlamps

Available in standard version (lamp + battery case on the head) to reduce bulk or in BELT version (with remote battery pack on waistbelt) to reduce weight worn on the head.



DUO LED 5



DUO LED 14



FIXO DUO LED 14



DUO LED 14 ACCU



DUOBELT LED 5



DUOBELT LED 14





DUO LED 5



DUO LED 14



DUOBELT LED 5



DUOBELT LED 14



FIXO DUO LED 14



DUO® LED 5

Hybrid waterproof headlamp: halogen/5 LEDs

- All-terrain, rugged headlamp that is waterproof to -5 meters
- Two light sources to choose from, depending on the activity:
 - halogen light for long-range, focused lighting with adjustable zoom
 - five LEDs for flood beam lighting with a long burn time
- Comfortable and easy to use:
 - adjustable and comfortable elastic headband
 - on/off switch can be locked to prevent accidental operation
 - lamp body can be tilted
- Spare halogen bulb in the head of the lamp
- Waterproof down to -5 meters: IP X8
- Certification(s): CE
- 3-year guarantee
- Available in two versions:
 - DUO LED 5 (**E69 P**): operates on four AA/LR6 batteries (included), or with optional ACCU DUO (E65100 2) Weight: 300 g including batteries
 - DUOBELT LED 5 (**E73 P**): remote battery pack can be worn on the belt, reducing the weight carried on the head, operates on four C/LR14 batteries (included). Weight: 550 g (lamp 140 g on the head + battery case 410 g)

DUO® LED 14

Hybrid waterproof headlamp: halogen/14 LEDs with three CONSTANT LIGHTING modes

- All-terrain, rugged headlamp that is waterproof to -5 meters
- Two powerful light sources to choose from, depending on the activity:
 - halogen light for long-range, focused lighting with adjustable zoom
 - Fourteen LEDs for flood beam proximity lighting, with three lighting modes (maximum, optimum, economic)
- Proximity lighting with CONSTANT LIGHTING technology for long burn time:
 - 14 LEDs give constant brightness until the batteries are nearly spent
 - switches to reserve mode when the batteries are nearly spent
- Comfortable and easy to use:
 - adjustable and comfortable elastic headband
 - on/off switch can be locked to prevent accidental operation
 - lamp body can be tilted
- Spare halogen bulb in the head of the lamp
- Waterproof down to -5 meters: IP X8
- Certification(s): CE
- 3-year guarantee
- Available in four versions:
 - DUO LED 14 (**E72 P**): operates on four AA/LR6 batteries (included), or with optional ACCU DUO (E65100 2) Weight: 300 g including batteries
 - FIXO DUO LED 14 (**E63 L14**): mounted on helmet, operates on four AA/LR6 batteries (included), or with optional ACCU DUO (E65100 2) Weight: 180 g including batteries
 - DUOBELT LED 14 (**E76 P**): remote battery pack can be worn on the belt, reducing the weight carried on the head, operates on four C/LR14 batteries (included). Weight: 550 g (lamp 140 g on the head + battery case 410 g)
 - VERTEX BEST DUO LED 14 (**A10BWE**): comfortable helmet with integrated hybrid lighting, see page 67

DUO® LED 14

ACCU E72 AG

Hybrid waterproof headlamp: halogen/14 LEDs, three CONSTANT LIGHTING modes and rechargeable battery

- Version of the DUO LED 14 with rechargeable battery:
 - high capacity rechargeable battery
 - charges quickly
- All-terrain, rugged headlamp that is waterproof to -5 meters
- Two powerful light sources to choose from, depending on the activity:
 - halogen light for long-range, focused lighting with adjustable zoom
 - Fourteen LEDs for flood beam proximity lighting, with three lighting modes (maximum, optimum, economic)
- Proximity lighting with CONSTANT LIGHTING technology for long burn time:
 - 14 LEDs for a constant level of lighting until the rechargeable battery is almost drained
 - switches to reserve power mode when the rechargeable battery is almost discharged
- Comfortable and easy to use:
 - adjustable and comfortable elastic headband
 - on/off switch can be locked to prevent accidental operation
 - lamp body can be tilted
- Spare halogen bulb in the head of the lamp
- Lamp comes with ACCU DUO rechargeable battery + quick charger (**E65 2**):
 - Ni-MH 2700 mAh rechargeable battery (four elements)
 - maximum number of charges: approximately 500
 - recharge time: approximately 4 hours (with charge indicator light)
 - 110/240 V compatible quick charger
- Waterproof down to -5 meters: IP X8
- Weight: 380 g including rechargeable battery
- Certification(s): CE
- 3-year guarantee


	Lighting technology	Light source	Beam pattern	Lighting mode	Distance				Burn time	Maximum light quantity
					t = 0	t = 0 h 30	t = 10 h	t = 30 h		
DUO LED 5	STANDARD LIGHTING	Halogen	Focused	-	100 m	70 m	0 m	0 m	4 h	40 lumens
	STANDARD LIGHTING	5 LEDs	Wide	-	28 m	24 m	20 m	10 m	65 h	40 lumens
	STANDARD LIGHTING	Halogen (with ACCU DUO)	Focused	-	100 m	75 m	0 m	0 m	5 h 30	40 lumens
	CONSTANT LIGHTING	5 LEDs (with ACCU DUO)	Wide	-	24 m --> 12 h				12 h	40 lumens
DUO LED 14 VERTEX BEST DUO LED 14 FIXO DUO LED 14	STANDARD LIGHTING	Halogen	Focused	-	100 m	70 m	0 m	0 m	4 h	36 lumens
	CONSTANT LIGHTING	14 LEDs	Wide	Optimum	26 m --> 10 h				10 h	13 lumens
	CONSTANT LIGHTING			Maximum	34 m --> 3 h 30				3 h 30	67 lumens
	CONSTANT LIGHTING			Economic	15 m --> 63 h				63 h	43 lumens
DUO LED 14 ACCU	STANDARD LIGHTING	Halogen	Focused	-	100 m	75 m	0 m	0 m	5 h 30	36 lumens
	CONSTANT LIGHTING	14 LEDs	Wide	Optimum	26 m --> 17 h				17 h	13 lumens
	CONSTANT LIGHTING			Maximum	34 m --> 5 h				5 h	67 lumens
	CONSTANT LIGHTING			Economic	15 m --> 70 h				70 h	43 lumens
DUOBELT LED 5	STANDARD LIGHTING	Halogen	Focused	-	100 m	80 m	35 m	0 m	11 h 30	30 lumens
	STANDARD LIGHTING	5 LEDs	Wide	-	28 m	24 m	22 m	19 m	350 h	40 lumens
DUOBELT LED 14	STANDARD LIGHTING	Halogen	Focused	-	100 m	80 m	35 m	0 m	11 h 30	32 lumens
	CONSTANT LIGHTING	14 LEDs	Wide	Optimum	26 m --> 35 h				35 h	13 lumens
	CONSTANT LIGHTING			Maximum	34 m --> 9 h 30				09 h 30	67 lumens
	CONSTANT LIGHTING			Economic	15 m --> 210 h				210 h	43 lumens



HIGH PERFORMANCE HEADLAMPS

COMPACT, RUGGED HEADLAMPS

ULTRA-COMPACT HEADLAMPS

VERSATILE HEADLAMPS

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A			F		
ABSORBICA	L57	75	FALCON	C38AAA / C38AAN	54
ABSORBICA-I	L58 / L70	74	FALCON ASCENT	C38BAA	55
ABSORBICA-Y	L59 / L70	74	FALCON MOUNTAIN	C38CAA	54
ACCU 2 ULTRA	E55450 2	143	FIXE	P05W / P05WN	108
ACCU 4 ULTRA	E55400 2	143	FOOTAPE	C47A	101
AIRLINE	R02Y	128	FOOTCORD	C4A	101
ALVEO BEST	A20B	69	FREINO	M42	89
ALVEO VENT	A20V	68	G		
Am'D	M34	87	GEMINI	P66A	108
ANNEAU	C40	116	GO	P15	89
ASAP	B71AAA	83	GRILLON	L52A	72/117
ASAP LOCK	B71ALU	82	GRILLON HOOK / MGO	L52H / L52M 003	73
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			H		
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ASCENTREE	B19 WAA	102	I		
AVAO BOD	C71AAA / C71AFA	48	I'D L	D200L0 / D200LN	95
AVAO BOD CROLL FAST	C71CFA	50	I'D S	D200S0 / D200SN	94
AVAO SIT	C79AAA / C79AFA / C79AAN	49/51	IGUANE	L01G	79
AXIS 11 mm	R74YT / R74	120	J		
B			JAG	P45	110
BASIC	B18BAA	103			
BAT'INOX	P57	114	JAG SYSTEM	P44	110
BERMUDE	C80	58	JAG TRAXION	P54	110
BOLTBAG	C11	127	JAK	C73101	57
BUCKET	S41Y	127	JANE	L50 / L53	75
C			JET	S02Y	128
CARITool	P42 / P42 L	59	K		
CHEST'AIR	C98A	55	KIT ADAPT	E93001	151
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CŒUR GOUJON	P32 / P33	114	L		
COLLINOX	P55	114			
CONNEXION FAST	C42 F	116	LEZARD	L01	78
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CONNEXION VARIO	C42 V	116	LINK 7 mm	R75	121
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CORDEX PLUS	K53	129			
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CROLL	B16BAA	101			
D					
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DEMI ROND	P18	89			
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MICROGRAB	B53	103
MICRO TRAXION	P53	106
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OK	M33	87
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Knowing, understanding, sharing

Working in vertical and hostile environments requires the correct application of the right products. Mastery in this area also requires an understanding of the environments in which these products are used. This helps develop the appropriate skills and reflexes.

This knowledge of the terrain includes a better understanding of human behavior in its physiological, psychological and emotional dimensions.

Developing an understanding of practices for the best possible adaptation of people and tools, and sharing this knowledge with the worldwide community of vertical professionals are the two key objectives that have guided the decision to create Petzl Solutions modules and their international deployment network.

Training modules

Each of the modules deals with a specific problem. They are based on experimentation in concrete situations. These modules are grouped into three themes:

- Product Expertise to focus on product knowledge and skills development
- Solutions Expertise focused on analyzing the interactions related to product combinations used in the field
- Environmental Expertise to better focus on adapting behavior and equipment usage to the specifics of certain vertical environments

Examples of modules:

- ZIGZAG mechanical Prusik
- emergency self-evacuation using the EXO evacuation system
- mobile fall-arrest device on a rope
- periodic inspection of fall protection PPE

The Petzl Solutions network

Alongside its distribution network, Petzl is developing an international network whose purpose is to disseminate and share training modules.

This network rests on two entities:

- A Petzl Technical Institute: a distributor of training content, audited and certified by Petzl. It is responsible for distributing training modules and materials associated with its territory, as well as development, management and audit of the Petzl Technical Partners regional network. Petzl Technical Institutes already exist in several countries: France, Switzerland, United Kingdom, Austria, Australia, New Zealand, Sweden, and the USA.
- A Petzl Technical Partner: a training center audited and certified by a Petzl Technical Institute. As a network member, a Petzl Technical Partner is entitled to integrate the content of the training modules in its own training programs.

For the Petzl Technical Institutes and certified Petzl Technical Partner training centers in your area, as well as the available modules, please visit:

<http://www.petzl.com/en/who-is-petzl/petzl-solutions>.



Since its founding in 1975, Petzl has always strived to meet the specific needs of its clients. With Petzl Customized, a dedicated team of experts is available to meet your specific professional needs.

Petzl Customized is for professionals working at height and those from the rescue, operational, industrial, and governmental sectors, among others, who have specific requirements that fall outside the bounds of Petzl catalogs, in the field of verticality or lighting.

Three types of services

- Product marking, customizing catalog products to suit your unique identity: printing, pad printing, transfers, embroidery, laser marking, custom coloring...
- Product adaptation, optimizing existing products: options, special sizes, various functional modifications...
- Creation of custom Petzl solutions when the answer to your specific needs does not exist

To learn more: <http://www.petzl.com/en/who-is-petzl/petzl-customized-products>.



© Laurent Pierron



Research in the Cameroon canopy

To better understand and protect tropical forests, researchers need access to the tops of tall trees. In November 2013, two members of EnQuête d'Arbres went to Cameroon to train scientists to climb the tall trees in the tropics. It was a mission supported by the Petzl Foundation.

The first training brought together three Cameroonian researchers, PhD students at the University of Yaoundé: a British specialist on tropical creeping plants, a Belgian researcher of the Institute of Research for Development (IRD) and their Cameroonian driver-guide who wanted to learn to help scientists access the canopy. The group knew the rainforests well... but from the ground. The desire to engage with their work subject gave them wings: on the third day, all of the apprentice climbers reached the top of a 35 m tree. Some even began moving about in the crown. The automatic reflexes aren't yet there, but the group's progress is dazzling. Even if the height reminds us that a human being is much more suited to horizontal movement, this climb is a first victory. For the researchers, discovering the canopy is a revelation. They are now seeing their research in a new light.

The advantage of this on-site training is to work under environmental constraints and learn how to manage ground space, always crowded in the rainforest. Some trainees then spend ten days in the forest to deepen their learning.

A three-time French tree care champion, Laurent Pierron created the EnQuête d'Arbres organization to help researchers access the treetops and harvest their samples using the tree-climbing techniques employed in the tree care industry. The second objective is to train Cameroonian scientists to be independent in the trees.

Supported partner: EnQuête d'Arbres organization
www.enquetedarbres.org
 Financial support: 4000 € in 2013.

Since 2006, the Petzl Foundation has built, supported and funded nearly 90 projects of general interest worldwide. It has raised 2.7 million euros of which 1.8 went directly to the projects (70% of the resources of the Foundation).

To learn more: www.petzl-foundation.org.



From the deep: the Petzl adventure

A novel about a company and its environment

Though rarely in the spotlight, climbing equipment represents more than a simple accessory for mountaineers. The evolution of such carefully designed gear bears witness to the intelligence climbers use to overcome increasingly challenging terrain, and embodies their ethical choices. The tools climbers use clearly reflect their approach to the mountains.

For forty years, Petzl and its founders have played a major role in the history of the mountains. With the golden age of caving as the starting point of its legacy - in which Fernand Petzl played a pioneering role - the manufacturer has explored the different realms of the vertical world: rock, ice, snow, nighttime... The company has also successfully applied its expertise to rescue and to work-at-height.

To read about the Petzl adventure is to follow women and men committed to the vertical world, and to exploration. In constant interaction with an ever-evolving world, they invent new modes of progression.

- Authors: Sophie Cuenot and Hervé Bodeau
- Preface by Lynn Hill
- 272 pages
- Available in several versions:
 - French (**Z180 FR**)
 - English (**Z180 EN**)
 - gift box (**Z18001 FR** and **Z18001 EN**)
- Editions Guérin - Chamonix Mont-Blanc

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