VERTICALITY
LIGHTING

2024 PROFESSIONAL CATALOG

PETZL®

Access
the
inaccessible®

For more than 50 years, we've used our Petzl expertise and know-how to enable safer progression for customers who work in hazardous and dark environments. That's why professionals rely on our solutions every day — so they can get the job done right with the best possible tools. At Petzl, we thrive on innovation. It drives our work and keeps us on the cutting edge. So every customer can access their own inaccessible.

Explore the catalog and get to know our complete range, including new 2024 products! Happy reading and all the best!
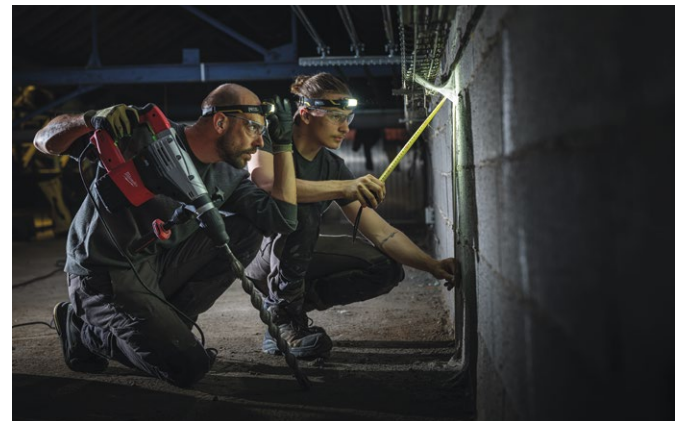
The Petzl Team

VERTICALITY

LIGHTING

We are PETZL.
This is how we see the world.

We are committed to **creating safer places**. For those who **work and play** in the vertical and dark worlds. For those who want **to access their own inaccessible** every day. We are **independent** and completely free to choose our own endeavors. To maintain **industrial excellence**, paying attention to our impact. To be pioneers in the pursuit of **perpetual innovation**. Sharing, educating, building. **Together**.

This is how we see the world.
We are PETZL.
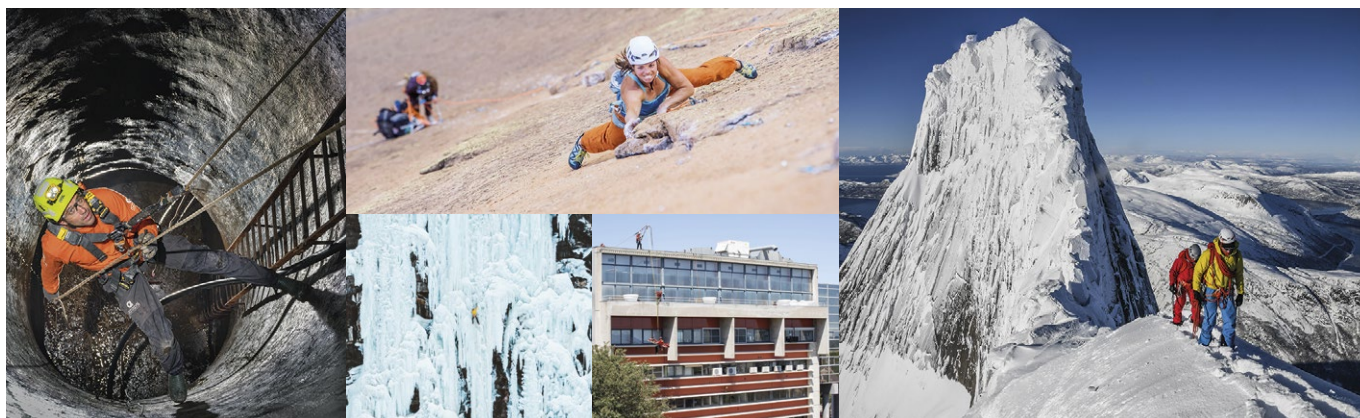
Access the inaccessible®

"Accessing the inaccessible" is the driving force behind everything you do, whether you are moving towards a summit or descending into darkness. You're determined to get to ever-greater heights and through ever-deeper shadows. And you're always searching for better tools to do it: tools with superior performance, tools that are more reliable, tools so comfortable and ergonomic that they disappear into your hand. At Petzl, we share your determination. We've built our entire design and manufacturing philosophy around exceeding your needs in the field. It's what we've been doing for 50 years, and what we'll continue to do for years to come.

▶ Access the inaccessible video

Petzl Across the Globe

Petzl is a family business that, over the years, has become the largest European manufacturer of personal protective equipment for those who work and play in darkness or at height. All of our products are invented and developed at our headquarters in the heart of the French Alps.

Key Stats

The brand is present in over 55 countries.

85% of sales are made internationally.

More than 9 million products are sold every year.

10,000,000 people use Petzl personal protective equipment every day.

© 2020 - Petzl Distribution - Stéphane Candé

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An International Presence

• Headquarters in the French Alps, in the town of Crolles
• American subsidiary in Salt Lake City, Utah
• Petzl subsidiaries and sales agencies: Austria, Benelux, Denmark, Finland, France, Germany, Italy, Norway, Spain, Sweden, Switzerland, UK, and China.

1,200 employees across the globe.

4 production sites: 3 in France and 1 in Malaysia.

Petzl subsidiaries and sales agencies:
Austria, Benelux, China, Denmark, Finland, France, Germany, Italy, Norway, Spain, Sweden, Switzerland, UK, USA.

Petzl Distributors

About Petzl

The Values That Motivate Us

For 50 years, Petzl has been built around four pillars, four fundamental values that motivate every decision we make: remaining a stable family business, encouraging innovation to imagine the best solutions, insisting on industrial excellence with the goal of zero defects, and remaining engaged with our communities by providing global best practices.

Learn more about each of our pillars.

■ 1. Family Ownership

Sébastien, Paul, and Olivier Petzl
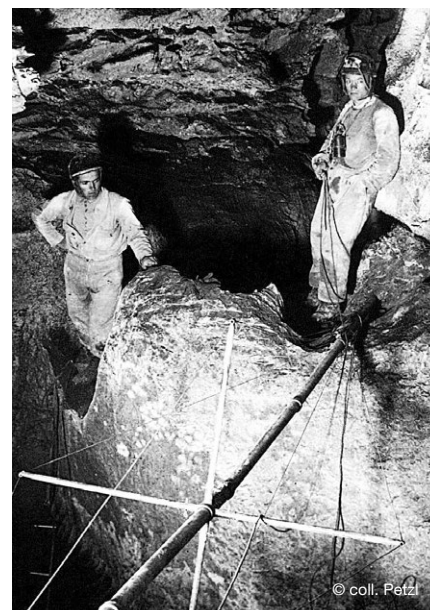
Fernand Petzl and Daniel Gagneur in front of a scaling pole

Fernand in his workshop

Our story begins in the 1930s in southeastern France

That was when craftsman Fernand Petzl was introduced to caving. Back at his workshop after each excursion to the depths, Fernand imagined new tools for exploring darkness and heights. In 1968, he marketed his first products; in 1970, Petzl was born.

For decades, the Petzl family has built a stable environment that fosters creative solutions and industrial excellence. The new generation is rooted in these principles and ready to make new discoveries.

The Petzl family business is not listed on the stock market. We're proud of our independence; we make our own choices, take responsibility for our decisions, and maintain a long-term, sustainable vision for the future. The confidence and satisfaction of our customers, our dealers, and our partners drives everything we do.

Our Pillars

■ 2. Innovative Spirit

© 2021 Petzl Distribution - Lafouche-CNEAS-CRS Lannemezan

Innovations That Challenge Convention

With the introduction of the first headlamp in 1973, the legendary GRIGRI assisted blocking belay device in 1991, and the MAESTRO rescue descender in 2019, Petzl ingenuity has always pushed standard practices forward. Since the creation of Petzl in 1970, our objective has always been to make progressing in dark or vertical spaces safer and more comfortable.
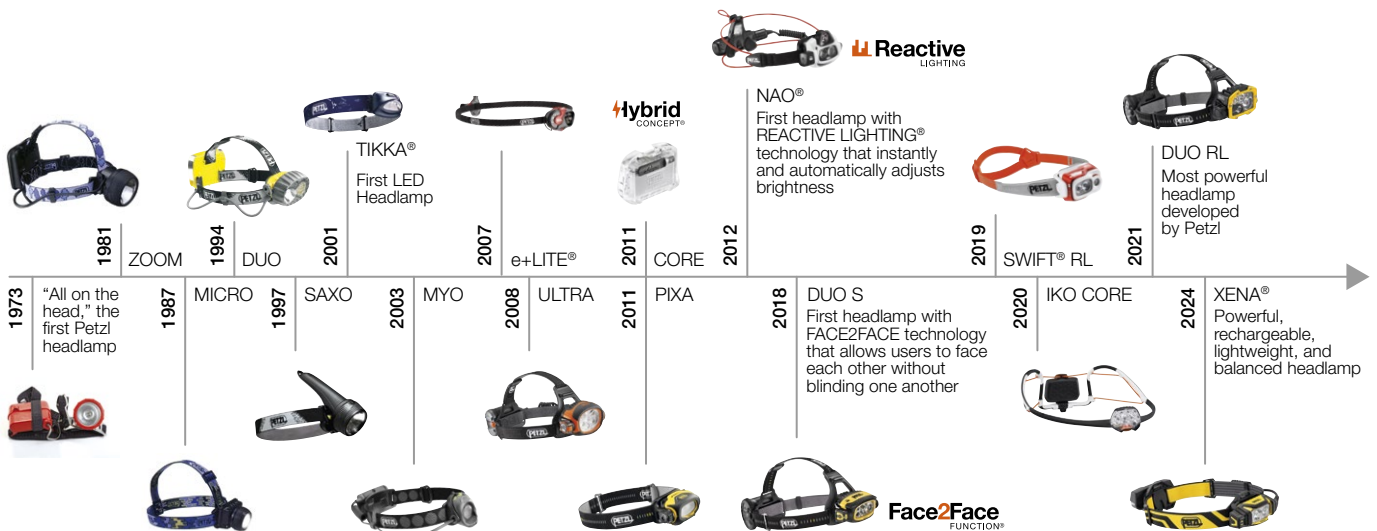
Going Farther

As passionate pioneers, we delight in creating new opportunities for our users to venture into ever more committing terrain — to go farther and higher, to work more efficiently, to maximize safety and to make what was inaccessible today accessible tomorrow.

© 2018 - Petzl Distribution - Marc Daviet

© 2020 - Petzl Distribution - Rémi Flament
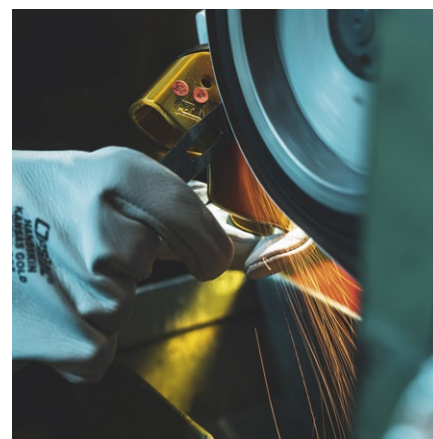

© 2019 - Petzl Distribution - James Roh

Simplicity, Durability, Efficiency

In every tool we design and construct, we prioritize simplicity, durability, and efficiency. For Petzl, being a pioneer has meant 50 years of passion, expertise, innovation, and continuous improvement. This approach to our craft and our business has allowed us to serve as a global expert, as we did in 2006 with the conception of the EXO personal escape system. At the request of, and in collaboration with, the firefighters of New York City, we were able to design an efficient solution that would allow easy escape in critical situations. It's an achievement that has been recognized with several awards, including best invention of the year by Time Magazine.

The Evolution of Petzl Headlamps

TIKKA® First LED Headlamp

Hybrid CONCEPT®

Reactive LIGHTING

NAO® First headlamp with REACTIVE LIGHTING® technology that instantly and automatically adjusts brightness

DUO RL Most powerful headlamp developed by Petzl

1981		1994		2001		2007		2011		2012		2019		2021	
	ZOOM		DUO				e+LITE®		CORE				SWIFT® RL		

1973		1987		1997		2003		2008		2011		2018		2020		2024	
"All on the head," the first Petzl headlamp		MICRO		SAXO		MYO		ULTRA		PIXA		DUO S		IKO CORE		XENA®	

DUO S First headlamp with FACE2FACE technology that allows users to face each other without blinding one another

Face2Face FUNCTION®

XENA® Powerful, rechargeable, lightweight, and balanced headlamp

■ 3. Industrial Excellence

© 2020 - Petzl Distribution - Stéphane Candé

Beyond the Standards

We have a deep responsibility to the people who trust us with their lives, and we develop, test, and qualify all of our products above required standards. Our design center, based in France, integrates all crafts that are related to the creation of products: mechanical, textile, electronic, optical, and technological. From the design and prototype phases, the reliability of a product and the safety of the user are continuously evaluated, with particular attention to risks of use.

With labs dedicated to product testing, we conduct dynamic fall and impact resistance tests, perform cyclical testing, and evaluate performance, as well as beam quality and burn times of our headlamps. This process includes rigorous field testing in order to test the ergonomics and reliability during real-world use.
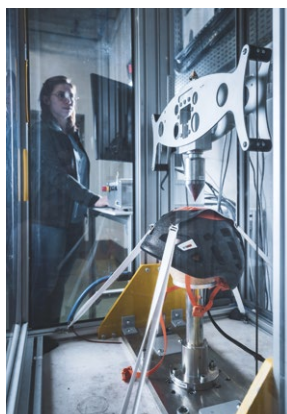
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Zero Defects - PPE
(Personal Protective Equipment)

Reliability is at the center of our concerns: our goal is for our products to consistently function at the same level of excellence.
Our objective is to allow zero defective products to leave our facilities, which involves processes with significant extra costs at every stage of production.
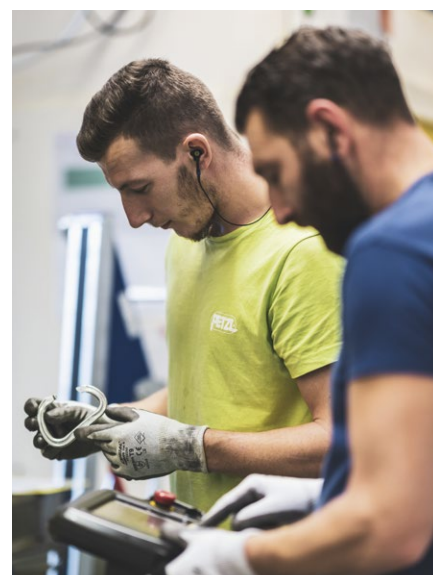
As we navigate an increasingly globalized economy, we go to great lengths to support our distributors and dealers, and we are heavily involved in the fight against counterfeit products.

Production and Inspection

Petzl's production sites are located in France, in the towns of Crolles, Eybens, and Rotherens, as well as in Rawang, Malaysia. Remaining competitive and keeping the majority of our production in France means that we continuously optimize our production lines and reduce our waste. This production infrastructure is complemented by long-term partnerships with key suppliers in Europe and Asia.

Our purchasing and quality control teams work closely with suppliers, ensuring to the best of our abilities, product reliability and quality that meets or exceeds our strict requirements. Quality inspection is present throughout every step of the production process: machine inspection of operations, human inspection at key points, further reinforcement by error-proofing systems and final individual inspection of each product.

We regularly audit the methods, quality management systems, and CSR practices (Corporate Social Responsibility) of our suppliers and strategic partners, especially when it comes to their employees.

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Our Pillars

4. Community Engagement

© 2019 - Petzl Distribution - Julian Bückers

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Using Our Expertise to Serve Communities

Sharing technical knowledge and appropriate product uses is at the heart of what we do at Petzl. We produce high-quality technical content that is available to everyone and utilized by the different communities that we serve. With a focus on maximizing safety, this content is updated and enriched throughout the lifespan of our products to keep our customers informed and moving forward while they practice their sport or do their job.

International Collaboration

Across the world, we have partnerships with iconic athletes, influential figures, professionals who work in extreme conditions, NGOs, certifying bodies, and training centers operated by leading experts in the field. These collaborations help us co-create a world where we can all learn, share, and flourish. They also make it easier to promote best practices and standard uses. At the heart of our collaborations is always a passion for exploration, for a job well done, and for the pursuit of the inaccessible.

© 2018 - Petzl Distribution - Lafouche

The Petzl Foundation is an integral part of Petzl.

Through the Petzl Foundation, we support and initiate projects that help prevent accidents, preserve the environment, and improve knowledge of the natural world around us.

> *"More than ever before, we're acutely aware that the choices we make today will have a lasting impact on the environment and will actively shape our own futures and the futures of our children. We're committed to using our creativity and our capacity to innovate in service of sustainably reducing our impact in a continuous drive for improvement."*
>
> Jerome Berton, CSR Manager
> and Sébastien Petzl, Director of CSR

© 2023 - Petzl Distribution - Marc Daviet

Our approach to CSR is pragmatic, collaborative and positive. It's built on concrete actions, feedback from our stakeholders, and is solution-oriented, to encourage our teams and community to take action.

The safety and satisfaction of our customers remains our top priority. Beyond that, however, we're striving to create a more sustainable future.

Petzl has launched projects to improve our own economic, environmental, and social practices, as well as the practices of our suppliers in order to:

- Reduce our carbon intensity
- Reduce, reuse, and recycle our waste
- Improve our employee satisfaction
- Improve the labor conditions of our suppliers

Corporate Social Responsibility

Four Actionable Commitments

At Petzl, we're focused on four commitments that respond to the primary concerns of over 2,000 of our internal stakeholders (employees, subsidiaries, family shareholders) and external stakeholders (clients, users, suppliers, associations, and NGOs). We are manifesting these four commitments through hands-on projects with measurable outcomes.

▪ Reduce Our Carbon Intensity

In 2020, we worked with Carbone 4 to measure the comprehensive carbon impact of our operations in 2019 — from the extraction of raw materials to the end of a product's life. Our footprint was equal to 45,000 metric tons of CO_2. Three areas accounted for 75% of our emissions: raw materials (34%), transport of goods (24%), energy used to power our headlamps (17%).
In 2021, we created initiatives to reduce our carbon footprint: prioritize the use of materials with the least impact, improve the durability and repairability of our products, shrink the distances our goods travel, and reduce our energy consumption.
By 2030, our goal is to reduce our total carbon footprint by 50% per euro in sales.
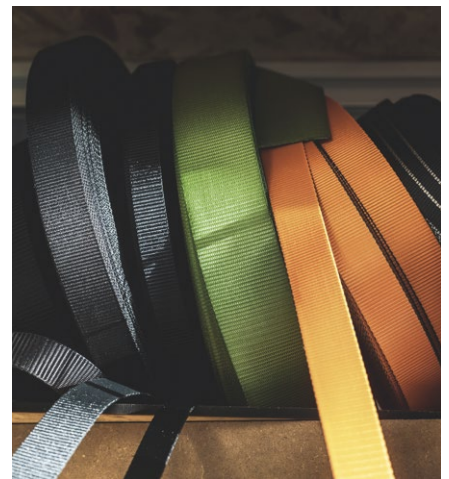
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▪ Reduce, Reuse, and Recycle Our Waste

The waste from our industrial and commercial operations produces a variety of pollutants. We're taking action in our factories, warehouses, and offices to reach three objectives by 2025:
- Eliminate single-use plastics in our packaging and supply chain
- Reuse 50% of our cardboard and palettes, recycle the rest
- Recycle 80% of our metal, plastic, cardboard and wood waste, put the rest towards energy recovery
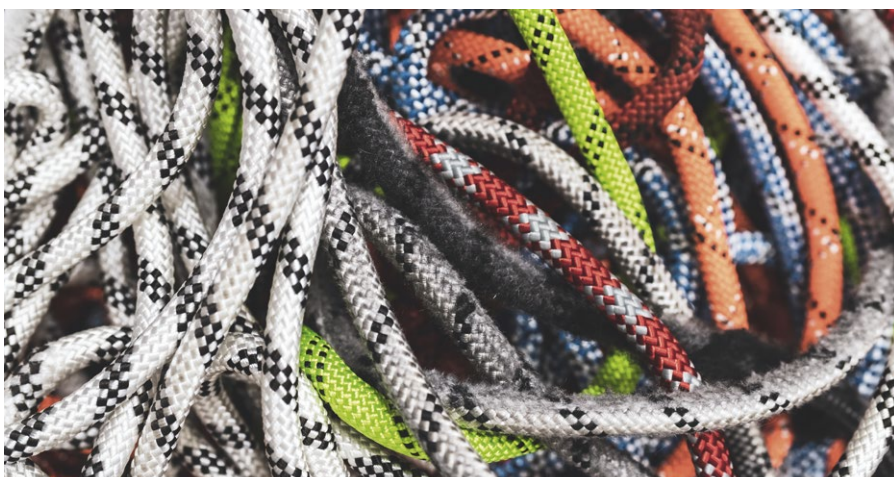
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■ Improve Our Employee Satisfaction

Our strong and consistent growth, coupled with the complex issues of the pandemic, has the potential to affect employee health.
In 2021, we evaluated the satisfaction of all Petzl employees in France using the Wittyfit platform. The survey covers topics including organization and work load, autonomy, work/life balance, recognition, as well as purpose and values.
Using the results, we created action plans to improve satisfaction — some carried out by leadership and others co-created and led by the teams.
In 2023, this satisfaction audit was extended to all Petzl employees on a global level.

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■ Improve the Labor Conditions of Our Suppliers

Since 2010, our responsible purchasing initiative has aimed to ensure that all our suppliers comply with the Petzl code of conduct.
This code aligns with International Labor Organization (ILO) directives:
Our objectives are to improve social, environmental, health, and safety practices at all of our suppliers.
We've created an annual evaluation of CSR practices for suppliers representing 80% of our purchases. We've offered reinforced support for 25% of our suppliers in their continued improvement plans. We are also collaborating with other manufacturers to combine our audit efforts and reaffirm our CSR standards for common suppliers.
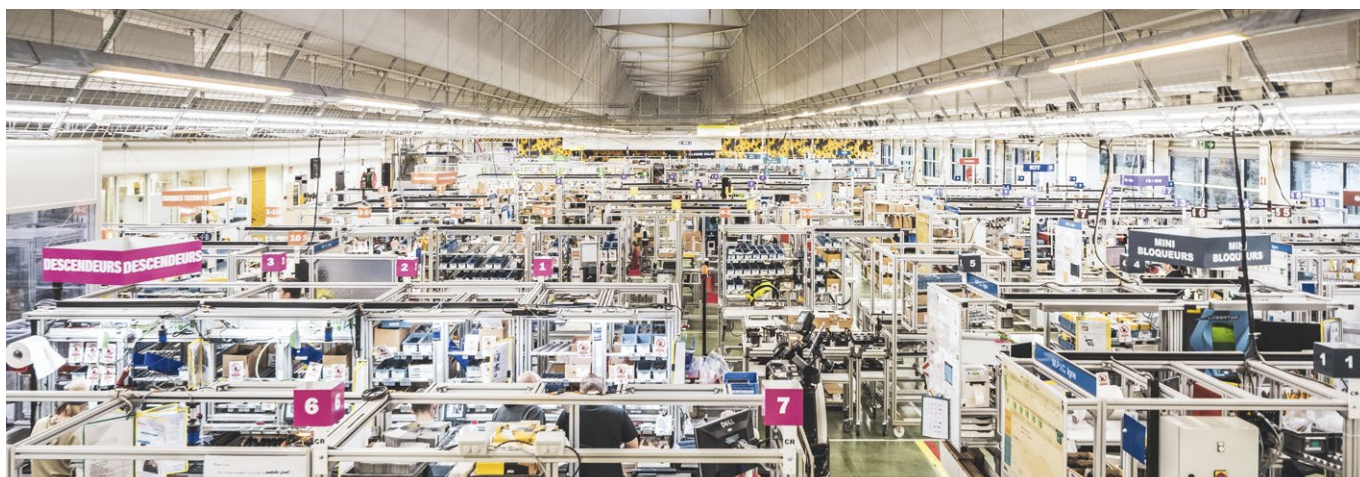
© 2023 - Petzl Distribution - Stéphane Candé

© 2023 Petzl Distribution - Vuedici.org - Monnaie

© 2023 Petzl Distribution - Vuedici.org - Everest

Fall-Arrest Lanyards

This year, we're updating the complete range of ABSORBICA® lanyards. The range will retain the same structure: I models with a single arm and Y models with double arms (in European or international versions), as well as an -I VARIO and -Y TIE-BACK. However, they now have a new, even more compact absorber, and new MGO connectors on international versions.

▶ ABSORBICA®-I Lanyards

▶ ABSORBICA®-Y Lanyards

ABSORBICA

ABSORBICA-I 80/150

ABSORBICA-I VARIO

ABSORBICA-Y 80/150

ABSORBICA-Y TIE-BACK

ABSORBICA-Y MGO 80/150 European Version

ABSORBICA-Y MGO 80/150 International Version

ABSORBICA-Y TIE-BACK MGO

Packs

The wait is over. New TRANSPORT packs are now available in three volumes: 30, 45, and 60 liters. They're now more adaptable to user needs at different worksites.

TRANSPORT 30

TRANSPORT 45

TRANSPORT 60

Powerful and Intelligent Headlamps

Two fresh new headlamps are joining the range in 2024. XENA® is designed for maintenance, industrial, inspection, and technical rescue professionals, and offers an excellent weight-to-power ratio (185 grams / 1400 lumens). Now casting 1100 lumens, the new version of the SWIFT® RL just got even more powerful.

© 2023 Petzl Distribution - Vuedici.org - GREIM - GUARDIA CIVIL

▶ XENA® Headlamp

XENA

© 2023 Petzl Distribution - Vuedici.org - GRWind - Mafomedes wind farm

Reactive LIGHTING

SWIFT RL

ePPEcentre Application

ePPEcentre is a Petzl application designed for professionals to facilitate PPE management

© 2023 - Petzl Distribution

Available for desktop or mobile, the ePPEcentre application makes it easier to manage PPE. Add a Petzl product by simply scanning its datamatrix: all information related to the product will automatically show up on the dedicated page, grouping all the information necessary for management and tracking. All the products in your existing inventory can easily be imported into the application. Products from other brands can also be logged manually. The dashboard, located on the

Homepage, allows the user to view all important data on a single page: number of products in use, products in repair, PPE inspections that need to be completed in the coming days, weeks, and months, as well as products that are approaching the end of their lifespan. The PPE database can be structured according to different work methods or to meet specific industry needs. You can group products based on location, users, or even product families.

ePPE CENTRE

Petzl products can be added by simply scanning the datamatrix. All information related to the product will automatically show up on the dedicated page:
• General information (product name, photo, product reference, product family)
• Date of manufacture
• Lifespan
• Inspection frequency
• Product retirement date
• Instructions for use
• PPE Inspection Procedure and Checklist

More information at Petzl.com
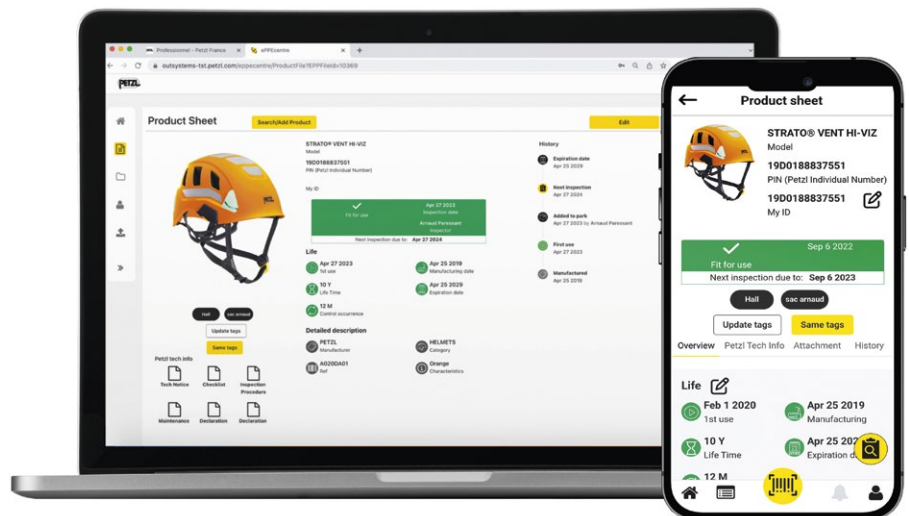
Available in early 2024 on the App Store and Google Play.

VERTICALITY

GENERAL PRINCIPLES OF WORK AT HEIGHT

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.

• Learning appropriate techniques and methods of protection is your own responsibility.
Petzl solutions are given for information purposes only, with no guarantee of their effectiveness in your specific working situation.
The relevance of these solutions varies by context, so always carry out your own risk assessment in the field

• Mastering the techniques presented here requires specific training and practice. Work with a specialized organization for all of your training activities.

General Information About 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 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 relative to the anchor:**

When the worker moves above their anchor, the severity of the potential fall increases.
The fall factor concept is sometimes used to describe the worker's position relative 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 fall distance and the worker's position relative to the anchor.

Restraint

A restraint system limits the work zone, to help prevent the worker from entering an area that may present a fall risk. This system is not designed to arrest a fall from height.
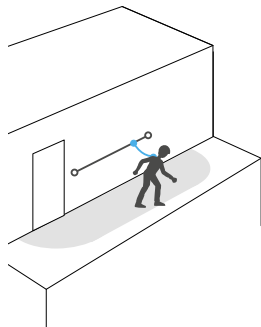
Fall Arrest

The fall-arrest system is a belay system that is independent of the means of progression or work positioning.

The fall-arrest system prevents the user from falling to the ground in the event of a fall. Its role is to arrest the fall while limiting the impact force experienced by the user. It must therefore be used with enough clearance to allow for an unobstructed fall.
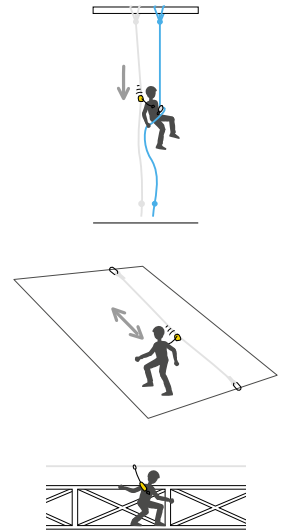
Work Positioning

A work-positioning system supports the user and allows them to be precisely positioned with the weight on their feet. This system is not designed to arrest a fall; the user must keep their body weight on the positioning system.

The work-positioning system must be used together with a fall-arrest system.
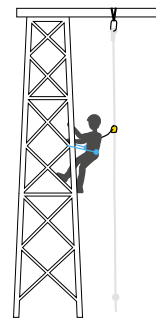
Suspension

The user is working while suspended when they no longer have any weight on their feet, but are supported primarily by the harness. The load is thus shared between the waistbelt and the leg loops/seat.
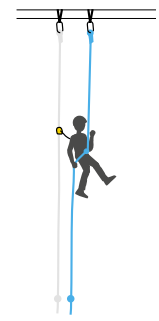
Impact Force

A fall-arrest system helps limit the impact force sustained by the user.

It is typically made up of an energy absorber that tears in order to limit the forces over a given stopping distance.

A dynamic rope lanyard has a low capacity for energy absorption. Its use requires taking great precautions: reducing the potential fall distance and staying in a work position below the anchor.
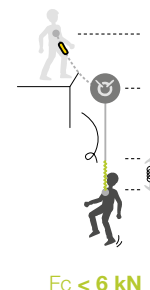
A webbing lanyard or a cable with no capacity for energy absorption cannot be used to arrest a fall.

Example for 100 kg

JANE or PROGRESS lanyard without energy absorber
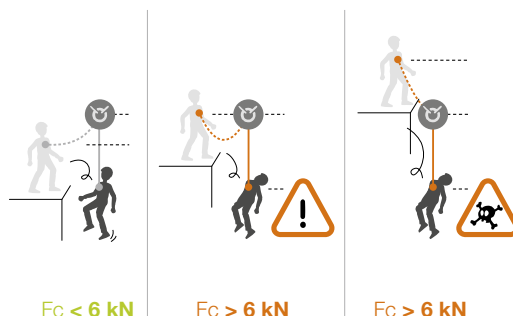
Lanyard with ABSORBICA-I or Y energy absorber

Fc **< 6 kN**   Fc **> 6 kN**   Fc **> 6 kN**   Fc **< 6 kN**
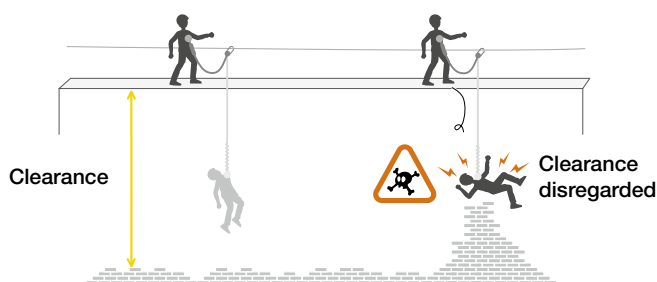
Clearance

Clearance is the minimum amount of clear space below the user that prevents the user from hitting an obstacle in the event of a fall.

Clearance takes into account:
- Weight of the user
- Length of the fall
- Tearing length of the energy absorber
- Average height of the user
- Safety margin of 1 meter

Clearance Value

The tearing length of the energy absorber, depending on the fall, can only be known based on the manufacturer's information; this is why a clearance estimate is suggested in the Instructions for Use for each fall-arrest device.

Clearance

Clearance disregarded

i+ To learn more about calculating clearance, see the technical information available at www.petzl.com

PETZL.COM

Anticipating the Means of Rapid Evacuation

• Limiting the effects of inert suspension:

In the event of a fall where the worker loses consciousness or is incapacitated, inert suspension in the harness presents a mortal danger requiring an urgent response. 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 worksite is established.

Releasable systems can be created when installing work ropes to allow evacuation from below.

Working alone must be prohibited: a worker may find themselves alone at height, but at least one person trained in evacuations should be present and equipped on site.
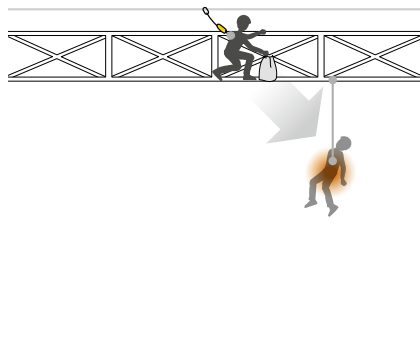
ROPE ACCESS AND CONFINED SPACE

PETZL SOLUTIONS

STRATO VENT

ASTRO BOD FAST

RIG

ASAP LOCK

ASAP'SORBER AXESS

NEW 2024

TRANSPORT 30/45
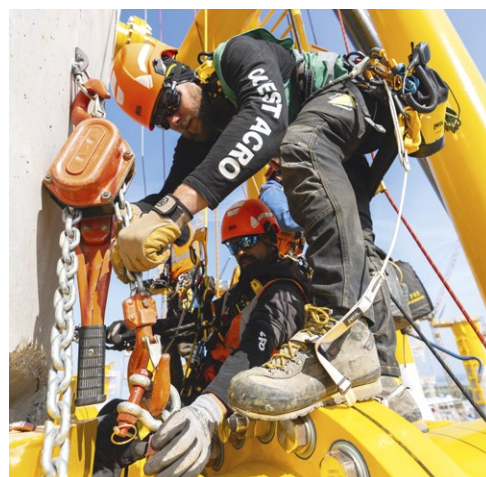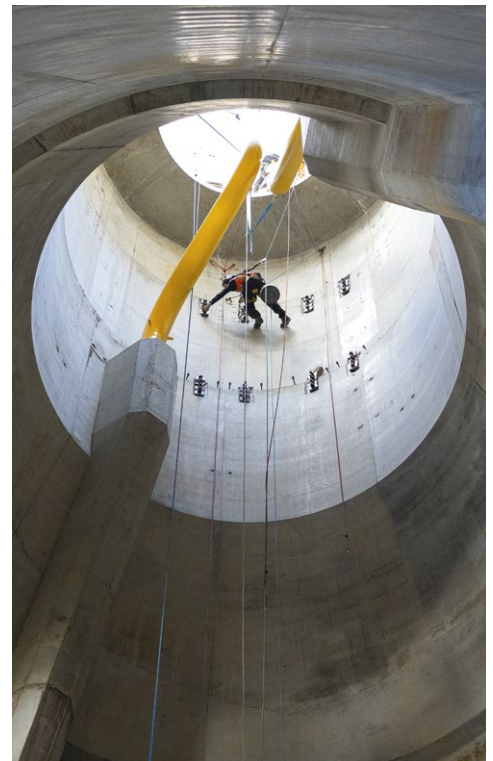
Rope access work situations often involve environments at significant height. Work can be performed outside or inside, or even in confined spaces, and is not all suited to collective protection. Work done in confined spaces carries additional difficulties related to lack of space and lack of means of autonomous progression.

Examples of operations:
• Placement of rockfall or stabilization nets over a road
• Structural inspection (such as bridge pilings)
• Exterior window cleaning on skyscrapers
• Inspection of tanks

Technical specifics:
• The work area is accessed with ropes by specialized workers trained in rope access techniques
• Access from above is preferred, as it is safer and simpler to set up

Rope Access

Installing Ropes

Load-sharing anchors with the rope.

Bunny knot (for load-sharing anchors).
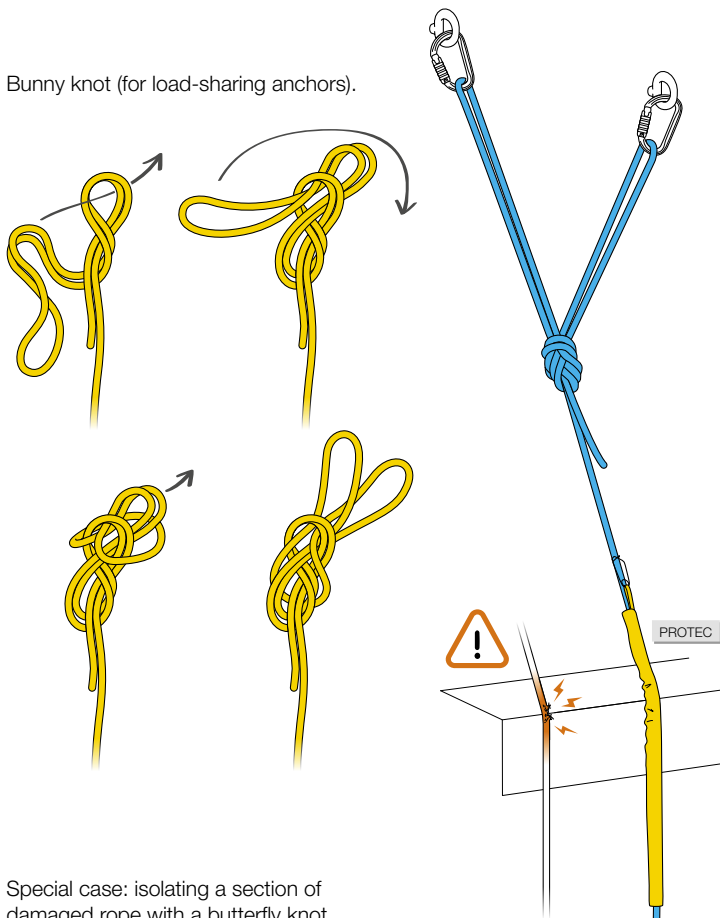
PROTEC

Special case: isolating a section of damaged rope with a butterfly knot.
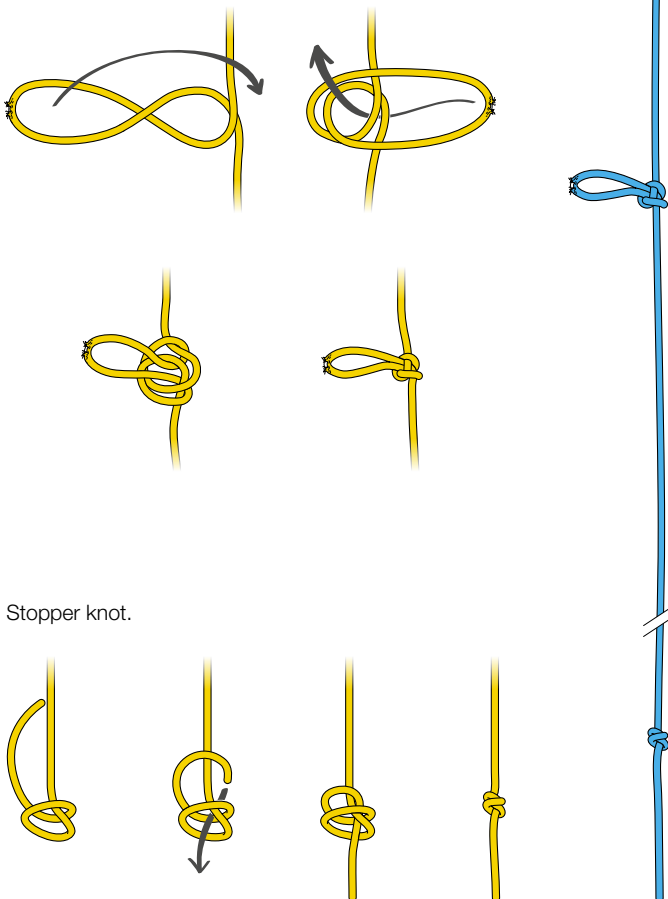
Stopper knot.
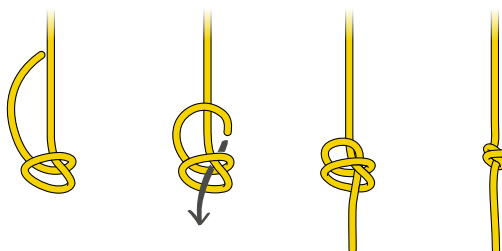
Fixed anchor.

Releasable anchor.

RIG
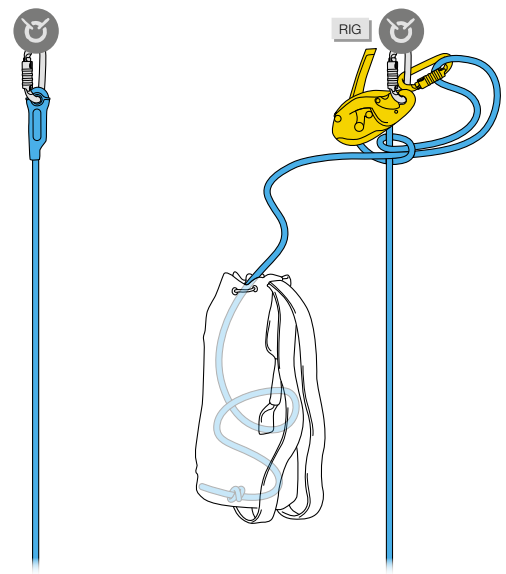
Protecting the Rope

On an angle.
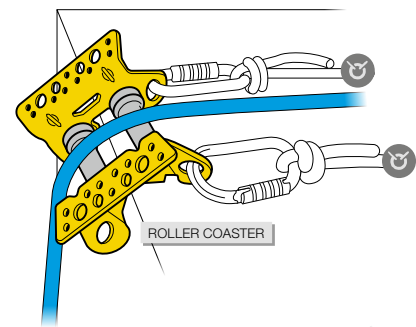
ROLLER COASTER

On a flat / hard surface.
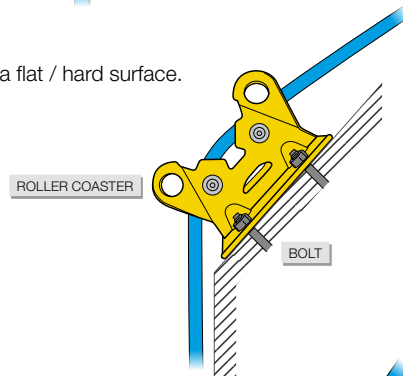
ROLLER COASTER

BOLT

On a soft surface.

ROLLER COASTER

Permanent anchors.

COEUR

COLLINOX

Temporary anchor.

🔒 🔓
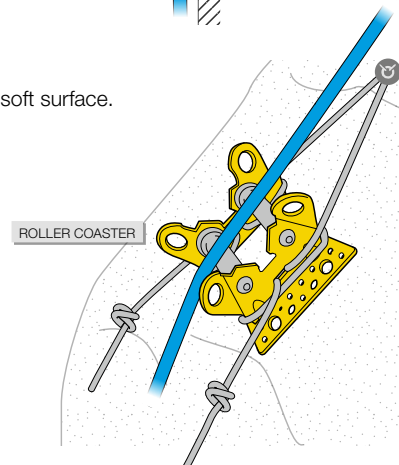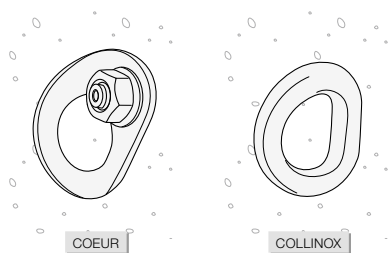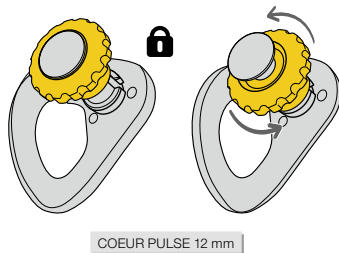
COEUR PULSE 12 mm

▶ How to install and inspect
COEUR PULSE 12 mm anchors

Ø 12 mm
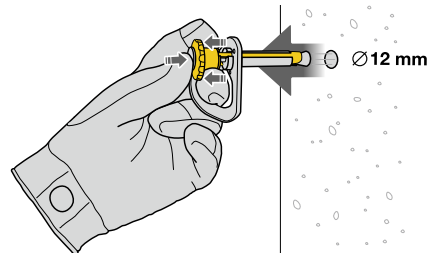
Temporary adjustable anchors.
To wrap around an existing structure by precisely adjusting the length of the anchor.

Large structures.

GRILLON
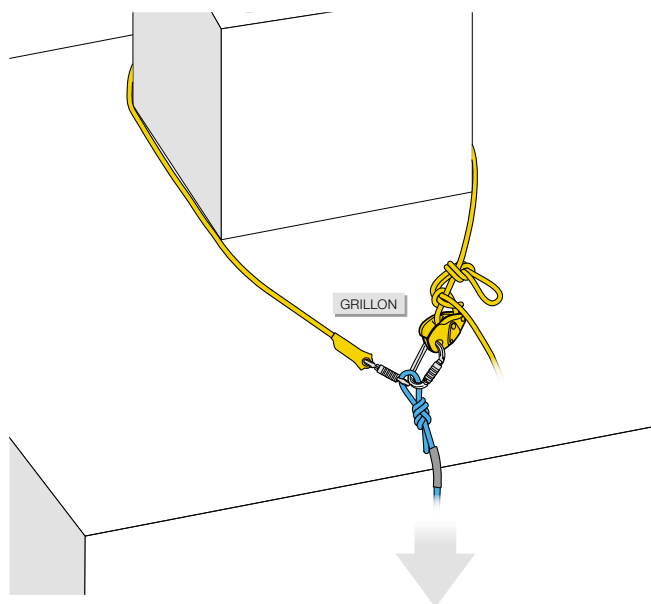
Structures requiring specific positioning.

PROGRESS ADJUST-I
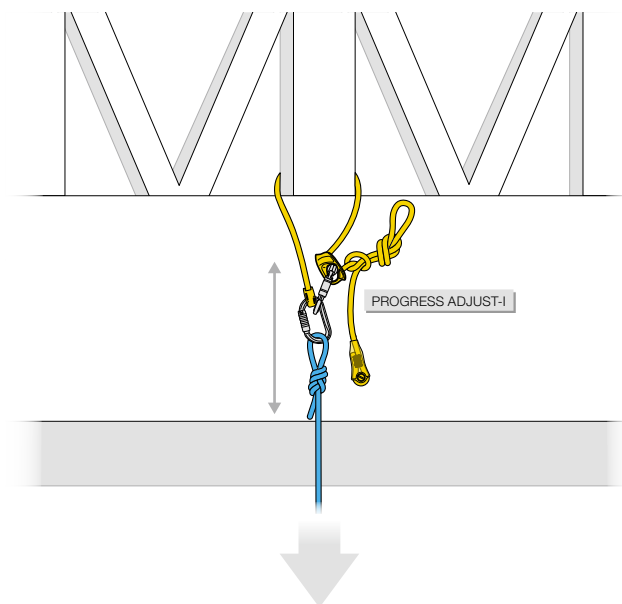
Temporary anchors with multiple configurations.
To best adapt to a situation, whether by connecting directly to the anchor,
or connecting to a structure by wrapping around it or using a choker hitch.

CONNEXION VARIO 0.3 - 4 m

25 kN   45 kN   45 kN   25 kN

WIRE STROP 0.5 - 3 m

35 kN

23 kN   23 kN
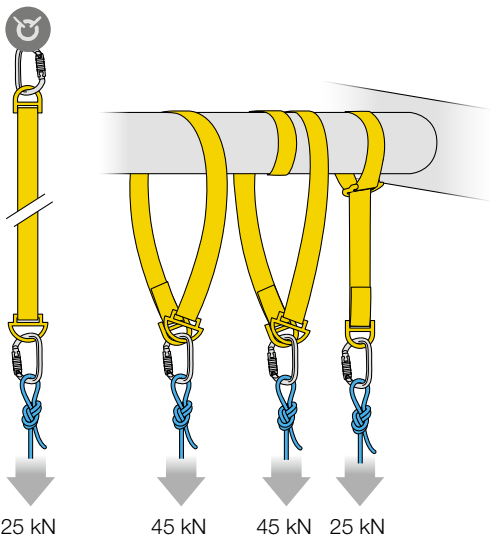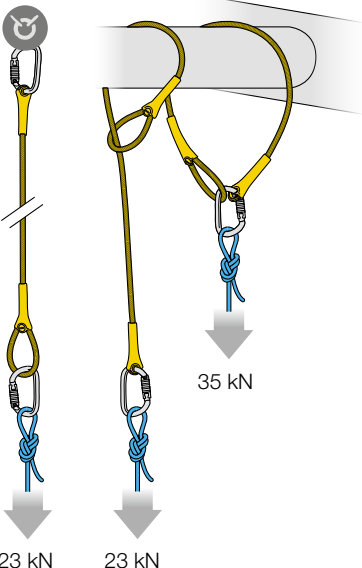
ANNEAU 0.6 - 1.5 m
ST'ANNEAU 0.24 - 1.2 m
PUR'ANNEAU 0.6 - 1.8 m

2x
22 kN

22 kN   16 kN
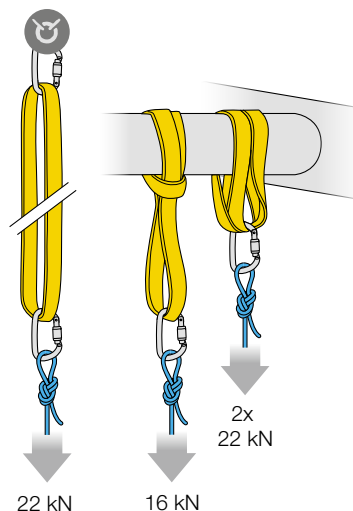
▶ How to use
the WIRE STROP

Rope Access

Gated ventral attachment point on ASTRO harnesses
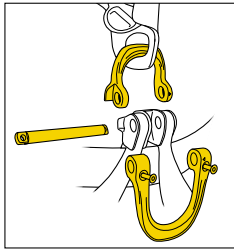
The ventral attachment point on ASTRO harnesses is gated for optimal integration of equipment.

Lowering

The RIG descender attaches to the large metal D.

The PODIUM seat connects to the pin with shackles, allowing a direct connection to the descender while preserving ventral attachment point mobility.

RIG

Shackles

PODIUM
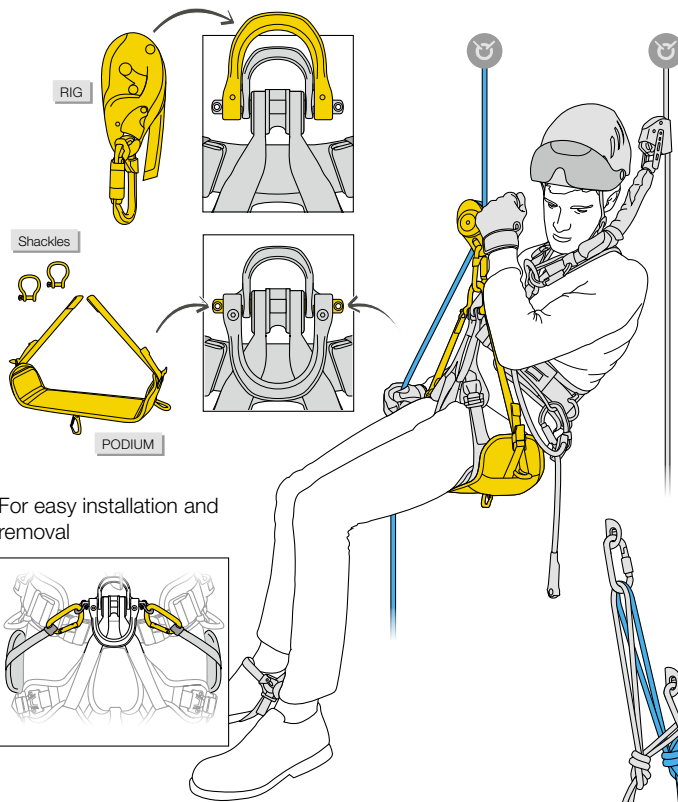
For easy installation and removal
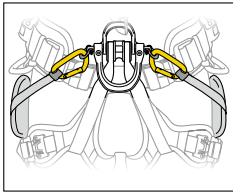
Ascending

The CROLL ventral rope clamp connects to the small metal D for greater efficiency on rope ascents.

CROLL
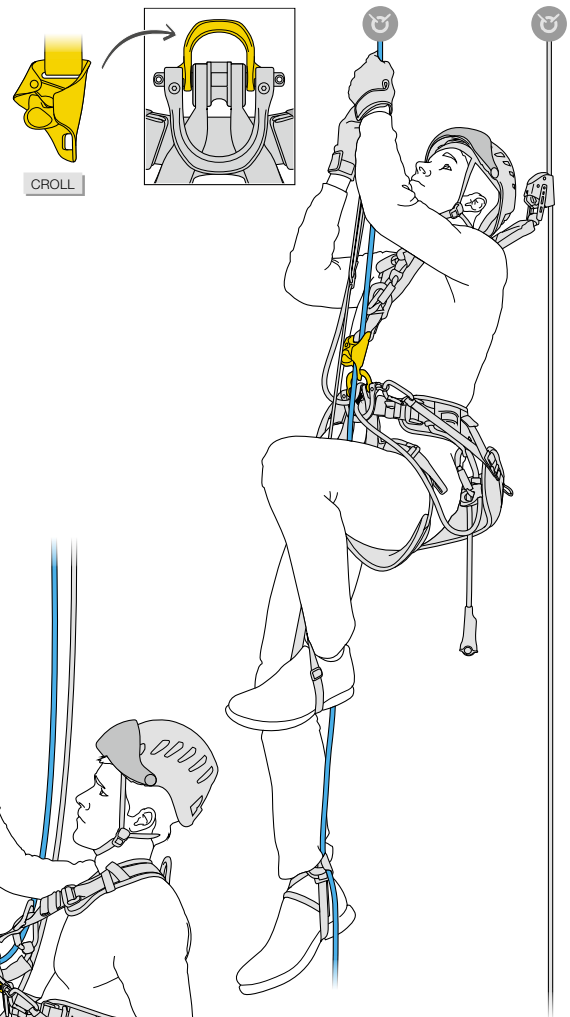
Passing Intermediate Anchors

The PROGRESS ADJUST-Y lanyard connects directly to the pin, eliminating the need for a connector.

PROGRESS ADJUST-Y

Confined Spaces
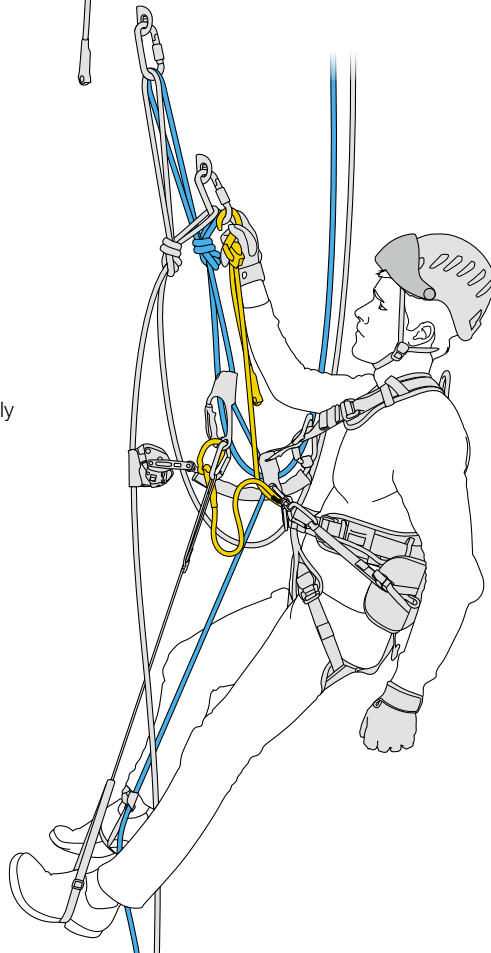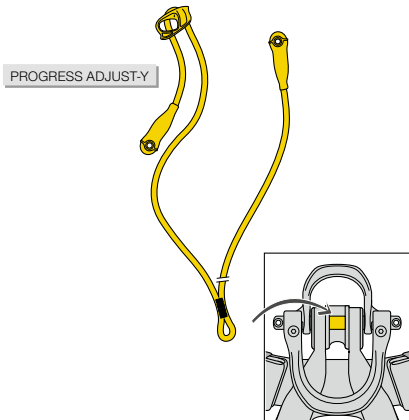
1. Combined lowering/raising system
• Advantage: quick transitions between modes (lowering/raising)
• Disadvantage: rope length is four times the travel distance

How to use
the TWIN RELEASE

TWIN RELEASE

TWIN RELEASE

SPIN L2

SPIN L2
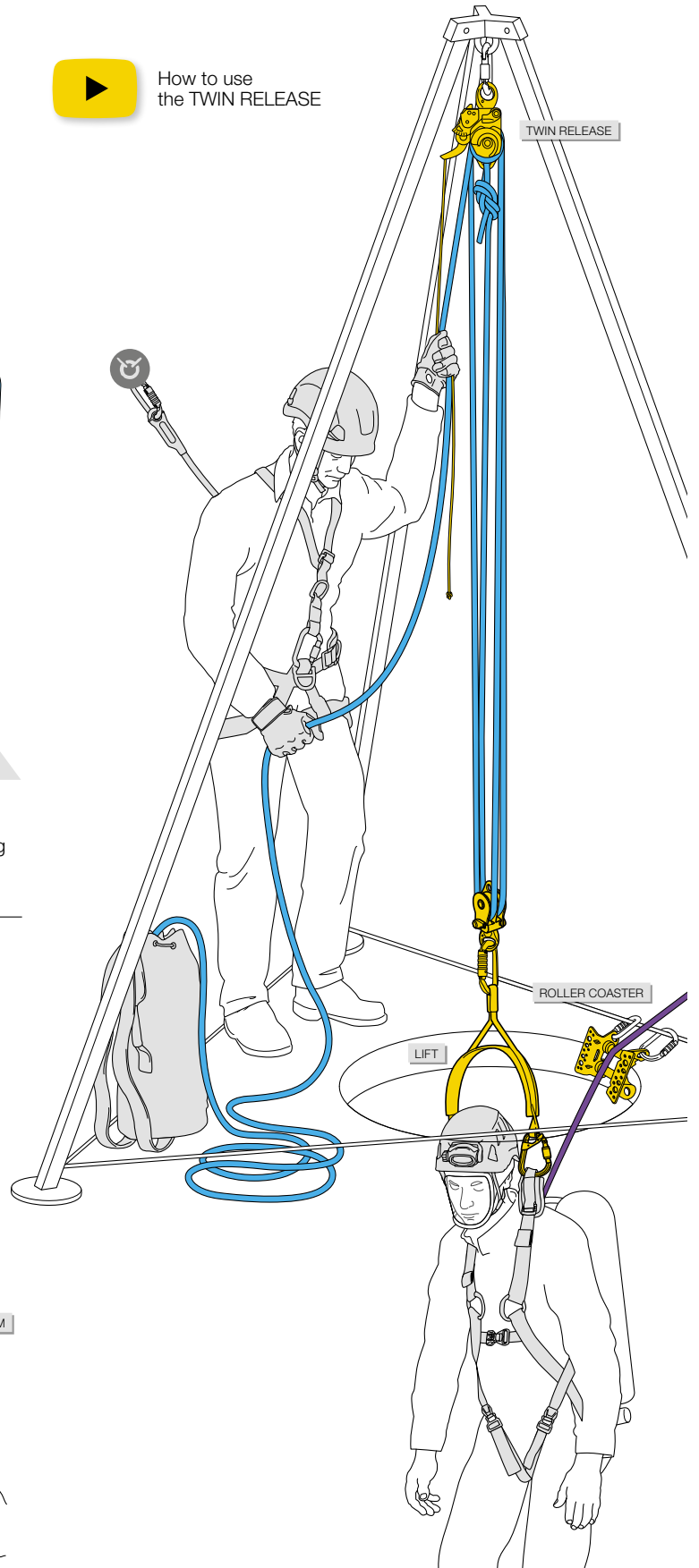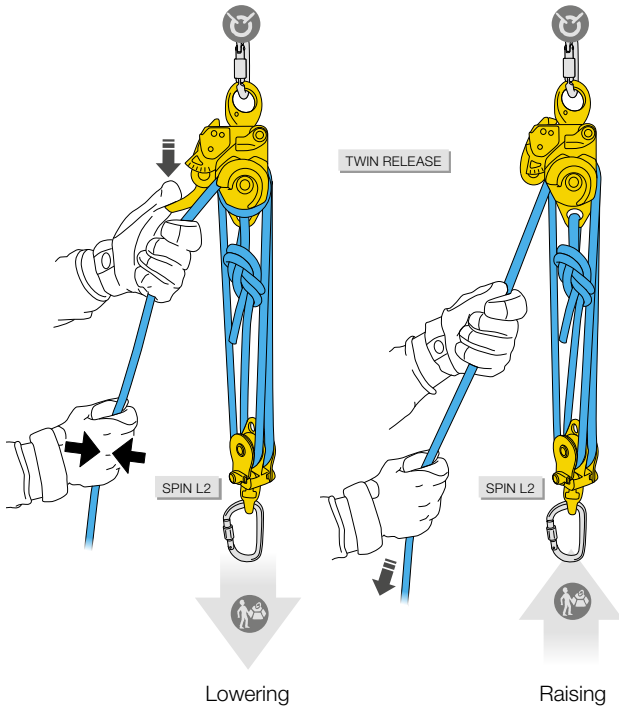
Lowering

Raising

2. Independent lowering/raising systems
• Advantage: the length of the rope equals the travel distance
• Disadvantage: rigging is required to transition between lowering and raising
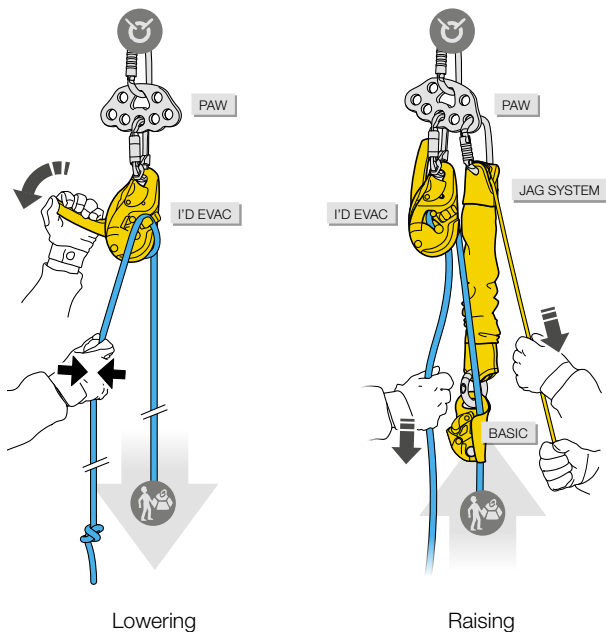
PAW

PAW

I'D EVAC

I'D EVAC

JAG SYSTEM

BASIC

Lowering

Raising

ROLLER COASTER

LIFT

i+ For more information, see technical tips at www.petzl.com

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PETZL SOLUTIONS

STRATO VENT
+ VIZEN MESH
+ Nape protector

SEQUOIA

ZIGZAG PLUS

NAJA

FLOW 11.6 mm

NEW
2024

TRANSPORT 30/45

Not all tree work can be done using exterior means such as elevated platforms or ladders. In this case, to move and work, the arborist uses rope progression techniques.

Examples of operations:

• Ornamental tree trimming, to adapt the tree to its environment or to change its overall aesthetic
• Maintenance trimming to remove dead wood and dying branches
• Tree removal (progressive cutting of the trunk from the top) if diseased or presenting a hazard

Technical specifics:

• Access from the base of the tree generally starts by throwing a weighted bag with line attached, which is used to install the access rope on an anchor up in the tree
• While moving about on the branches, the arborist keeps their weight on the work rope, for greater stability and to reduce potential fall distance
• When using any cutting tool (handsaw, chainsaw), the arborist must use two independent belay systems

Tree Care
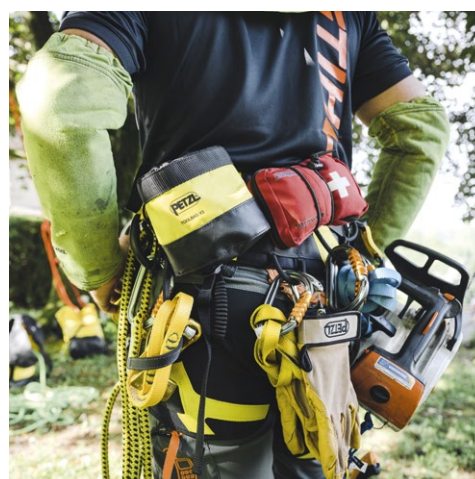
Tree Access
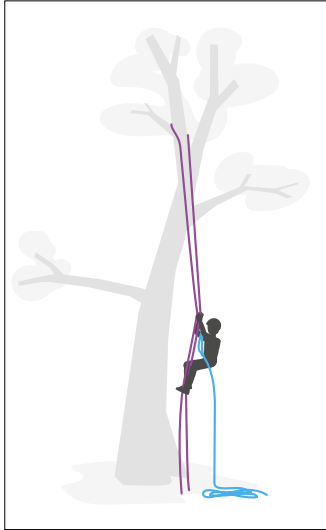
Doubled rope ascent technique

The arborist ascends the access rope (purple).

In the event of a problem, such as a hornet attack, they can self-evacuate with the work rope (blue). A mule knot or releasable knot secures the ZIGZAG.

This versatile ascent technique is adaptable to many situations and allows an access rope to be available during work.

ASCENTREE

ZIGZAG PLUS

SEQUOIA

PANTIN
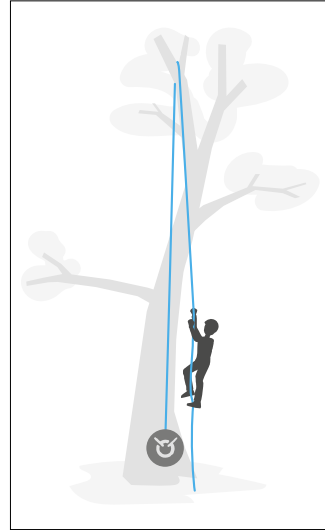
Single rope ascent technique

The access rope is attached to the base of the tree and runs through an appropriate anchor in the tree. It will also be used for work. On a single rope, the ZIGZAG must only be used with the CHICANE.

This technique allows for rapid rescue and efficient climbing with the KNEE ASCENT knee ascender.

CHICANE

ZIGZAG PLUS

SEQUOIA SRT

TOOLBAG XS

KNEE ASCENT LOOP

PANTIN

i+
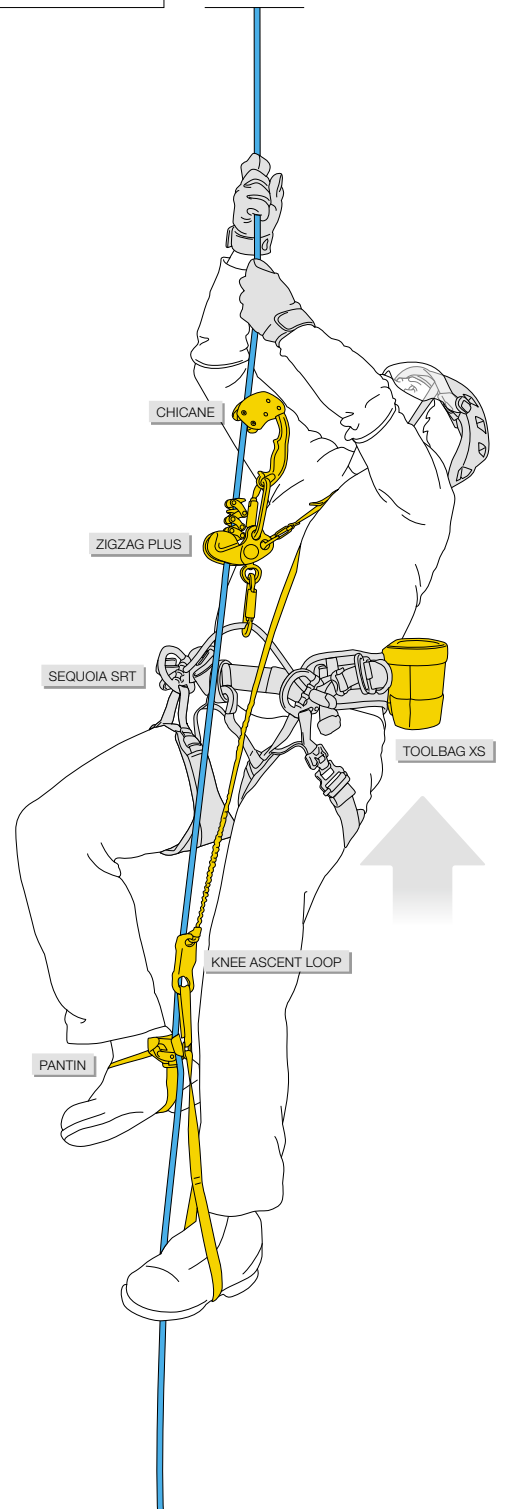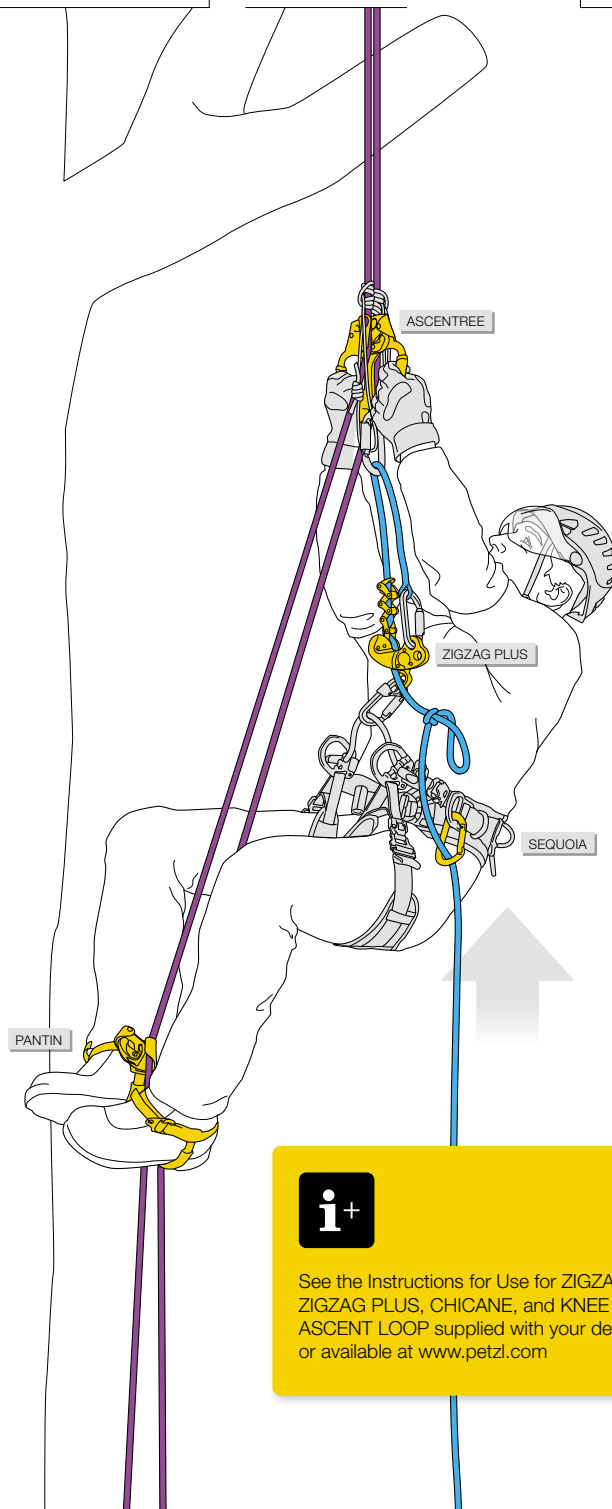
See the Instructions for Use for ZIGZAG, ZIGZAG PLUS, CHICANE, and KNEE ASCENT LOOP supplied with your devices, or available at www.petzl.com

PETZL.COM

Movement Within the Tree

Moving within the tree with two anchors

Using two systems simultaneously on two separate anchors provides optimal balance while cutting and facilitates movement.

NAJA

EJECT

ZIGZAG PLUS

ZIGZAG PLUS

EJECT and NAJA are used here on doubled rope (DdRT/MRS), but may also be used on single rope (SRT/SRS) with a stopper knot.
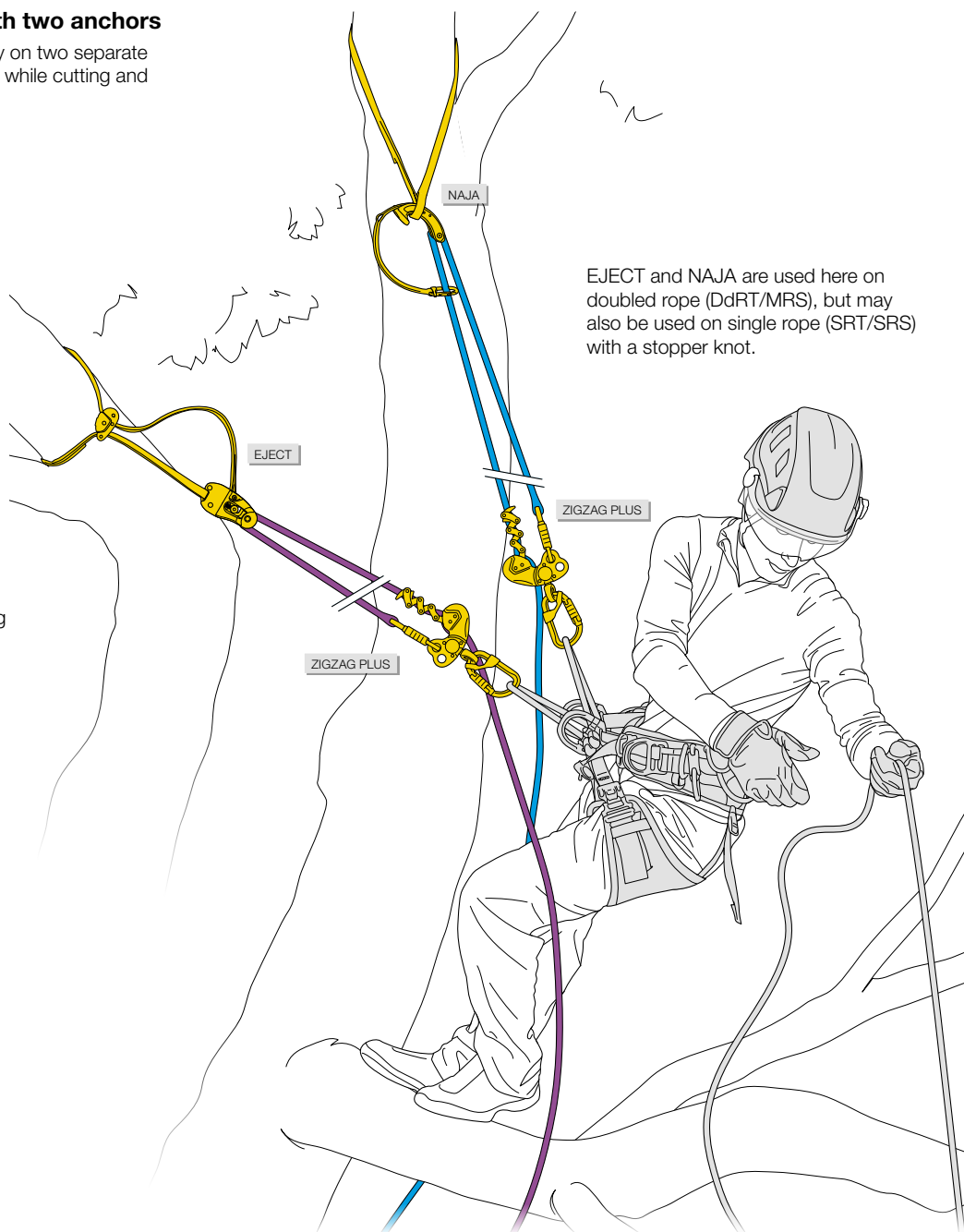
▶ How to install and retrieve the EJECT friction saver using a doubled rope system

▶ How to Use NAJA on a Single Rope (SRS)

▶ How to Use NAJA on a Doubled Rope (MRS)

EJECT and NAJA can be used on a single rope (SRT/SRS) with a stopper knot.

ZIGZAG + CHICANE
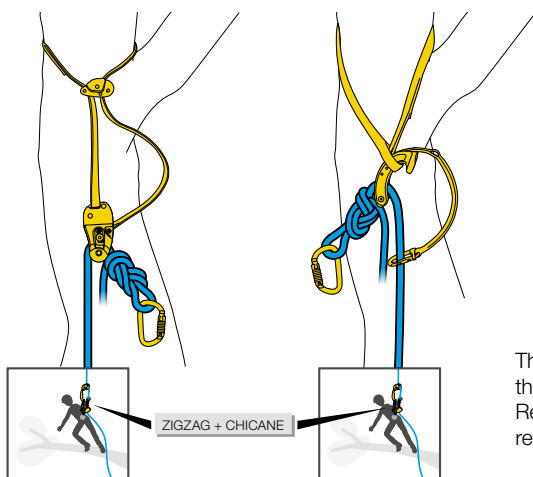
The knot can be placed to the left or right of the pulley. Reference installation and retrieval details at www.petzl.com

i+

To learn more about access and progression techniques, see the technical information available at www.petzl.com

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ENERGY AND NETWORKS

These fields are characterized by structures such as towers, antennas, and wind turbines. The modes of progression are varied and directly related to the structure itself.

Examples of operations:
- Work on high tension lines
- Tower construction
- Maintenance operations in wind farms

Technical specifics:
- The user generally progresses using a permanent fall-arrest system such as a lifeline, cable, or rail
- Without access to these, the user must maximize their own safety using personal protective equipment: energy-absorbing lanyard or mobile fall arrester on rope
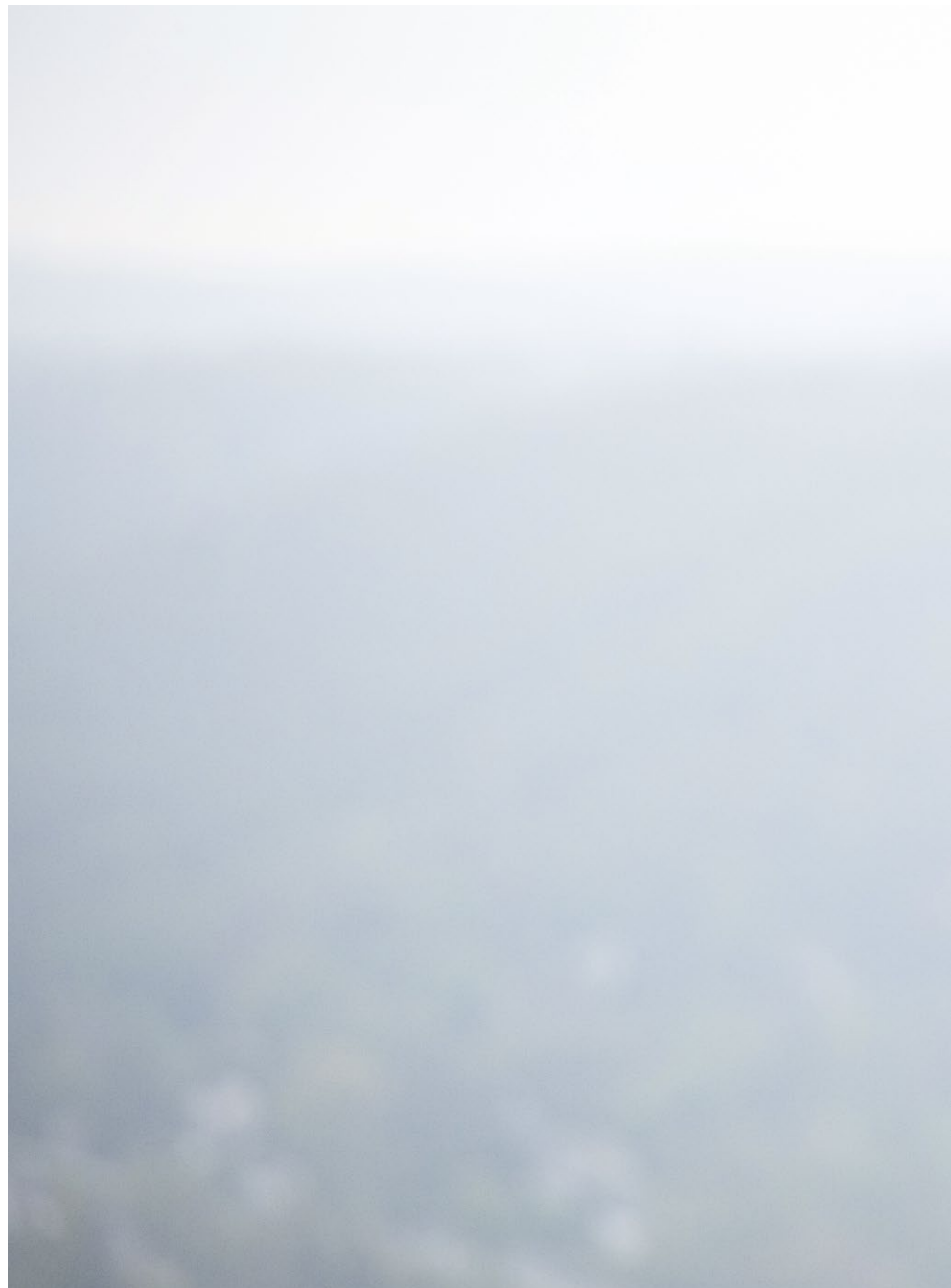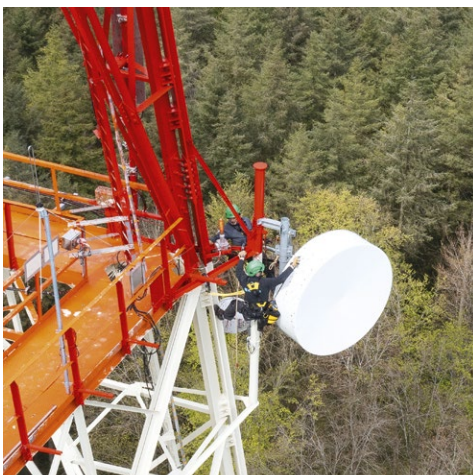
PETZL SOLUTIONS
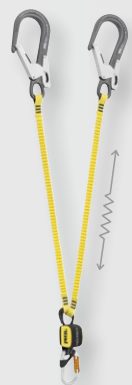
NEW 2024

VERTEX

VOLT

ABSORBICA-Y MGO 150

Maintenance operations on a communication tower, Belgium © 2023 Petzl Distribution - Vuedici.org - Monnaie

GRILLON HOOK

INTERFAST

TOOLEASH

TOOLINK

TOOLBAG

PIXA 3R

Energy and Networks

Protected ascent using a double lanyard with integrated energy absorber
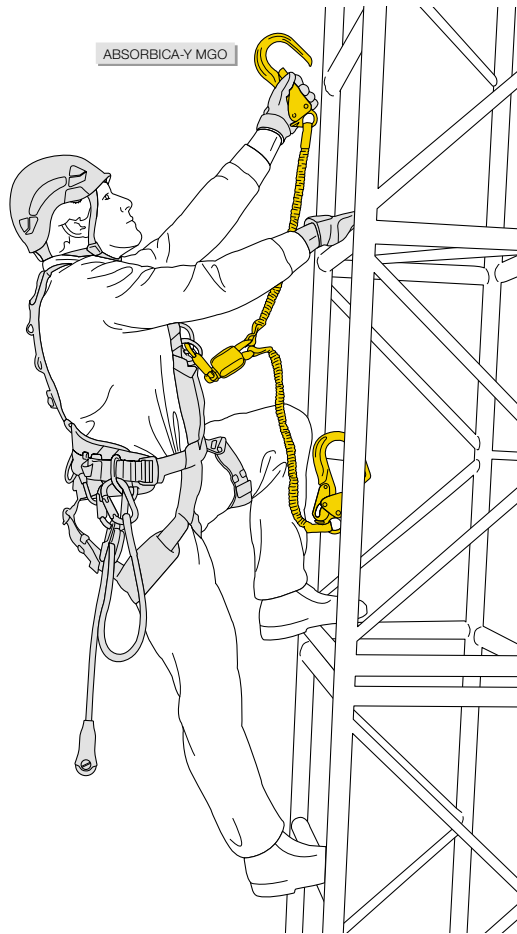
ABSORBICA-Y MGO

Work positioning with GRILLON lanyard used in double mode

ABSORBICA-Y MGO

GRILLON

i+

To calculate your clearance value with an ABSORBICA lanyard, see our clearance calculator at www.petzl.com

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Dropped object prevention solution

All products in this range allow you to adapt your setup based on the weight and type of tools that need to be tethered.

Examples of possible combinations:

TOOLBAG

INTERFAST

TOOLEASH

TOOLINK S — 2.3 kg maximum

TOOLINK M — 3 kg maximum

TOOLINK L — 5 kg maximum
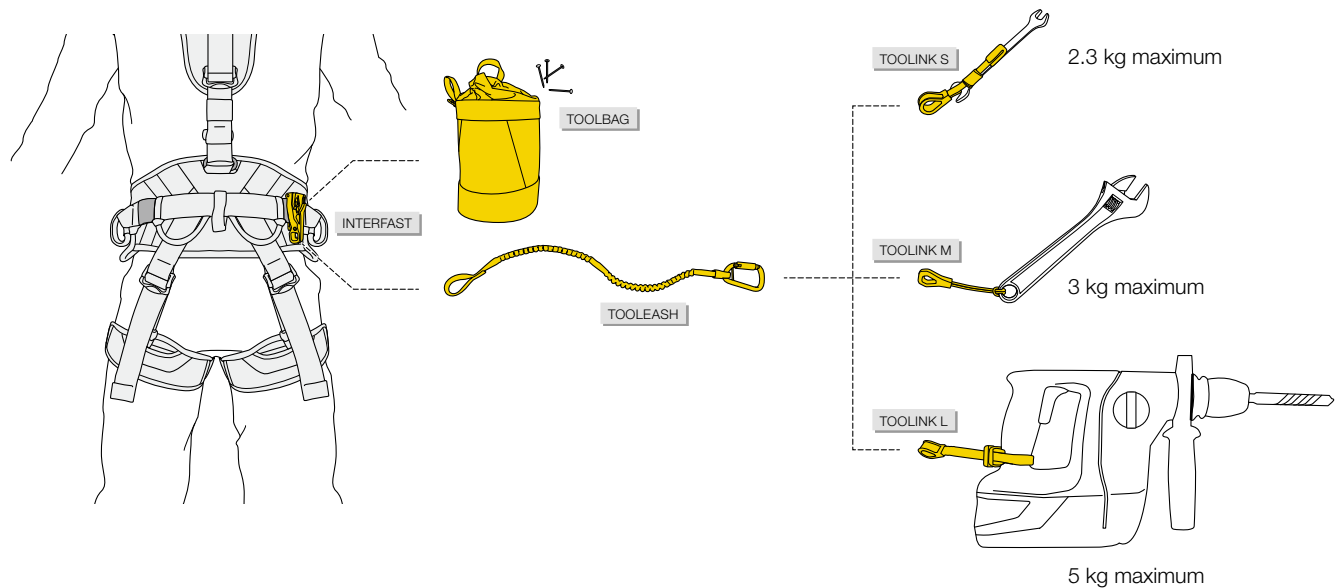
Reduce Fall Distance

The longer the free fall, the greater the absorber deployment will be. The required minimum clearance (distance between the user and an obstacle), should therefore be greater than those values combined.

User weight, lanyard length, and position in relation to the anchor can affect these values.

It's possible to reduce fall distance before leaving the ground or once you've already started working at height.

Free fall distance

Absorber deployment

Clearance
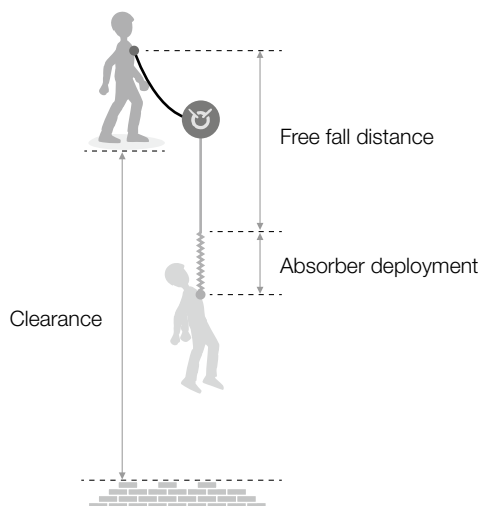
• Before leaving the ground: choose your fall-arrest system

The total length of the system determines maximum free fall distance.

ABSORBICA-Y 150 MGO

ABSORBICA-Y 80 MGO
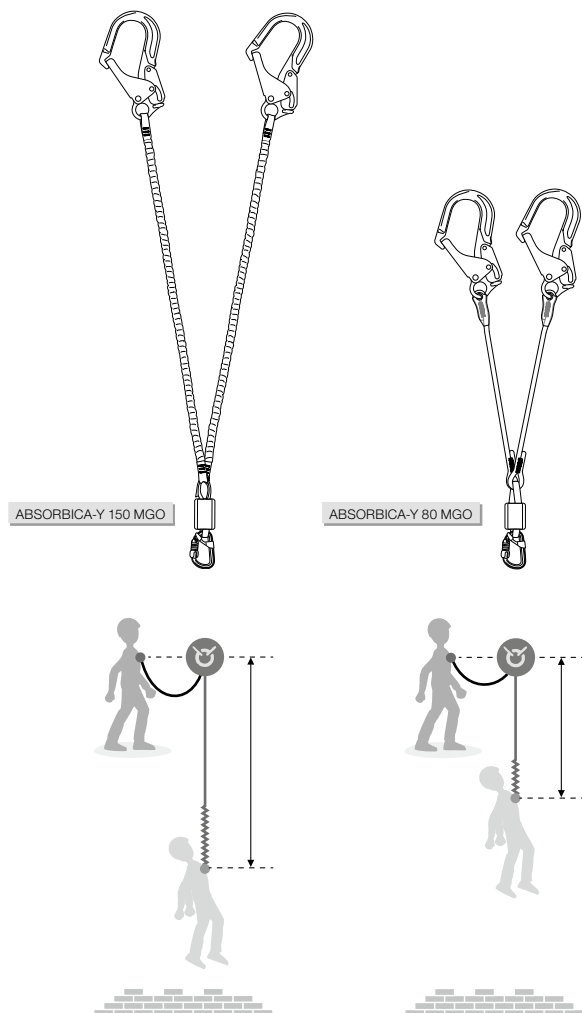
• While at height: choose your anchor

The simplest way to reduce fall distance is to use the highest anchor possible in relation to your work position.
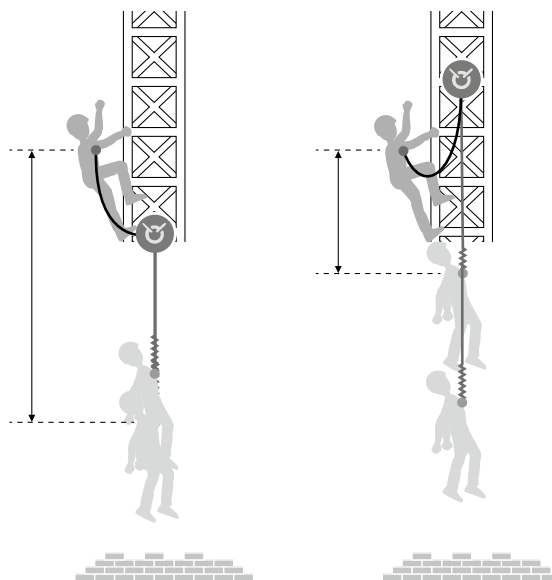
Using an adjustable lanyard allows you to adjust the length of your fall-arrest system and therefore reduce fall distance while adapting to work situations.

ABSORBICA-I VARIO

FRAMING AND ROOFING

At this type of work site, the risk of slipping and falling is higher. A safety device must be installed to guard against these hazards.

Examples of operations:

• Framing a building under construction
• Roof repair or waterproofing
• Roof inspection on industrial sites

Technical specifics:

• When the situation allows, accessing the work area is done using an elevated work platform and the worker secures themselves with an energy-absorbing lanyard
• Lacking collective protection, the worker is required to use a fall-arrest system
• Fall-arrest systems are also required when installing collective protection

PETZL SOLUTIONS

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VERTEX VENT
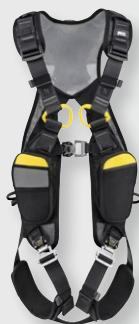
NEWTON EASYFIT

ASAP

ASAP'SORBER

ASAP'AXIS 11 mm

ABSORBICA-Y MGO 150

TOOLEASH

TOOLINK

Glass roof cleaning, Luxembourg © 2023 Petzl Distribution - Vuedici.org - Voltige - Banque européenne d'investissement

TOOLBAG

NEW
2024

TRANSPORT 30/45
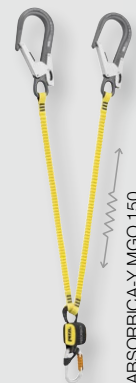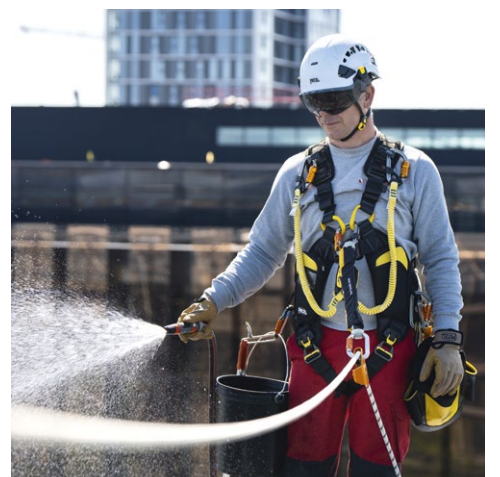
Framing and Roofing

1. Roof access

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

a.

b.

c.

d.

ASAP
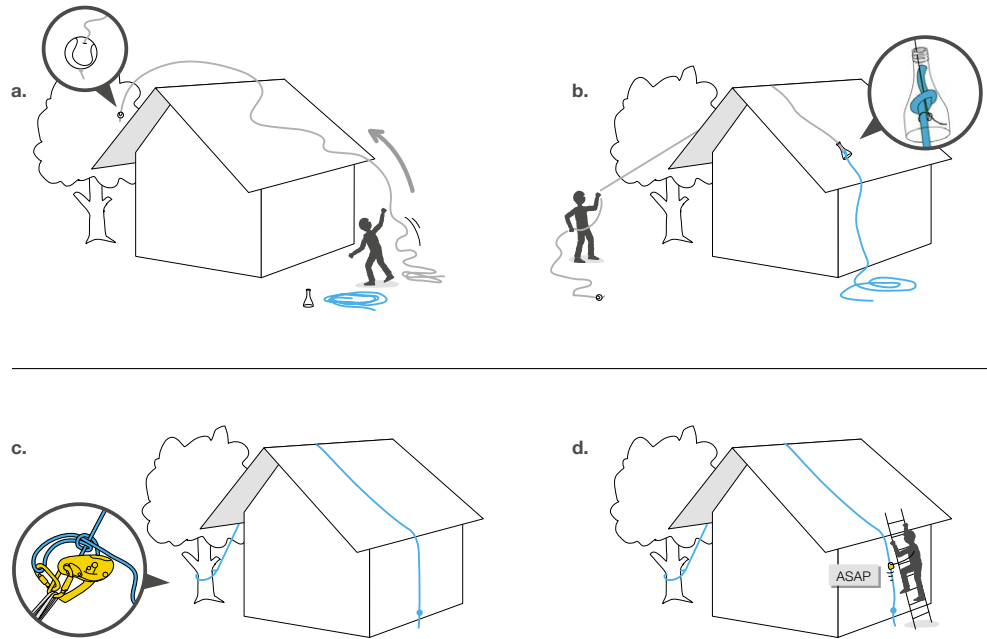
2. Long-term use

With individual positioning system and collective protection.

AVAO

GRILLON

GRILLON
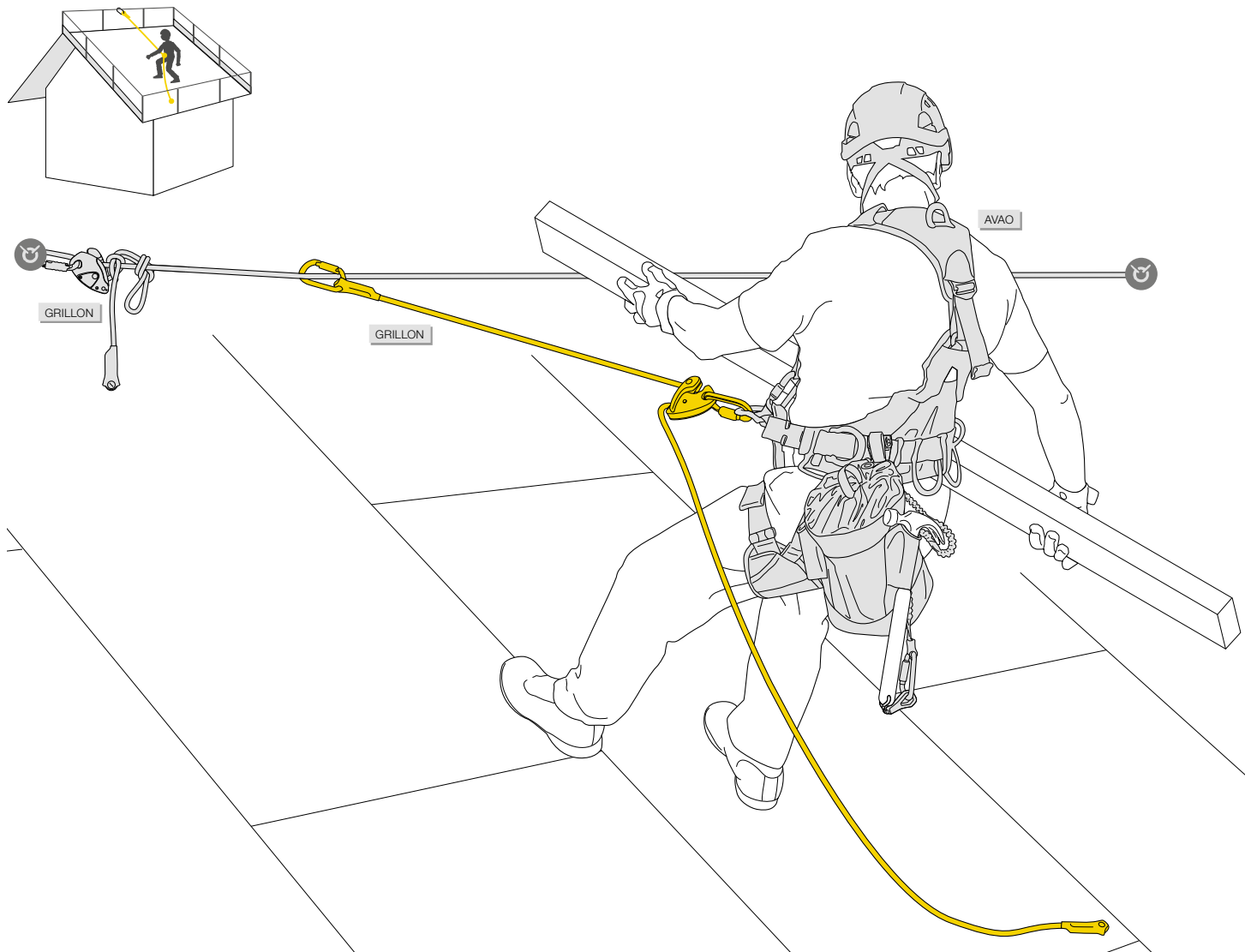
3. Occasional use

With individual fall-arrest system.

• Working in the center of the roof (limited access zone)
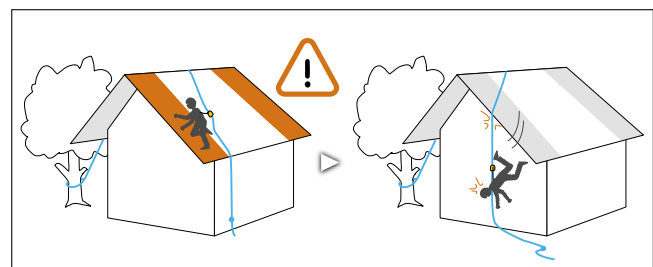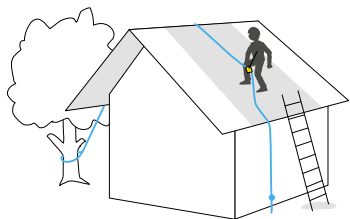
• Working at the edges

How to put on the
NEWTON harness

NEWTON EASYFIT

CAPTIV

ASAP'SORBER

ASAP'AXIS

ASAP

ASAP'AXIS

ASAP

ASAP'SORBER

NEWTON EASYFIT
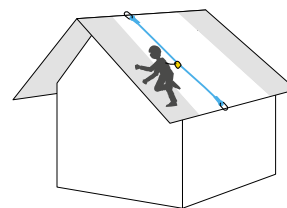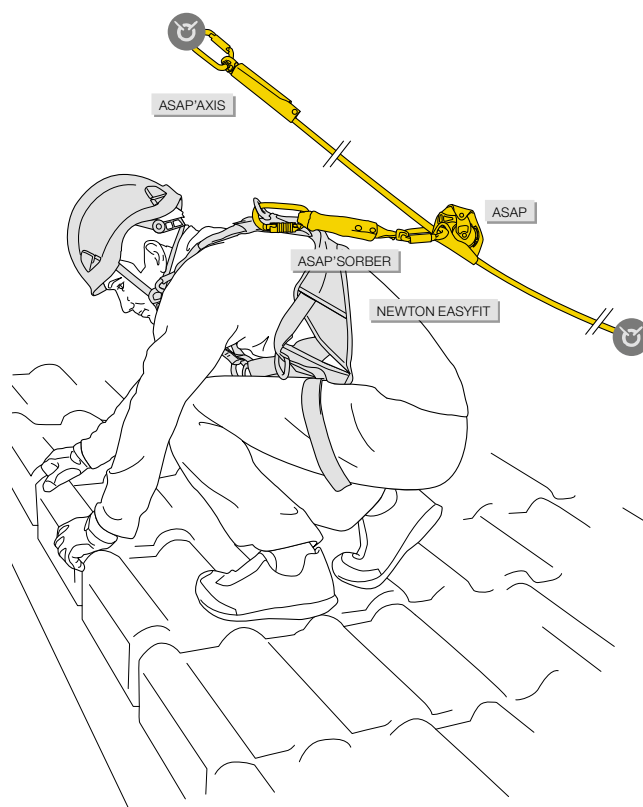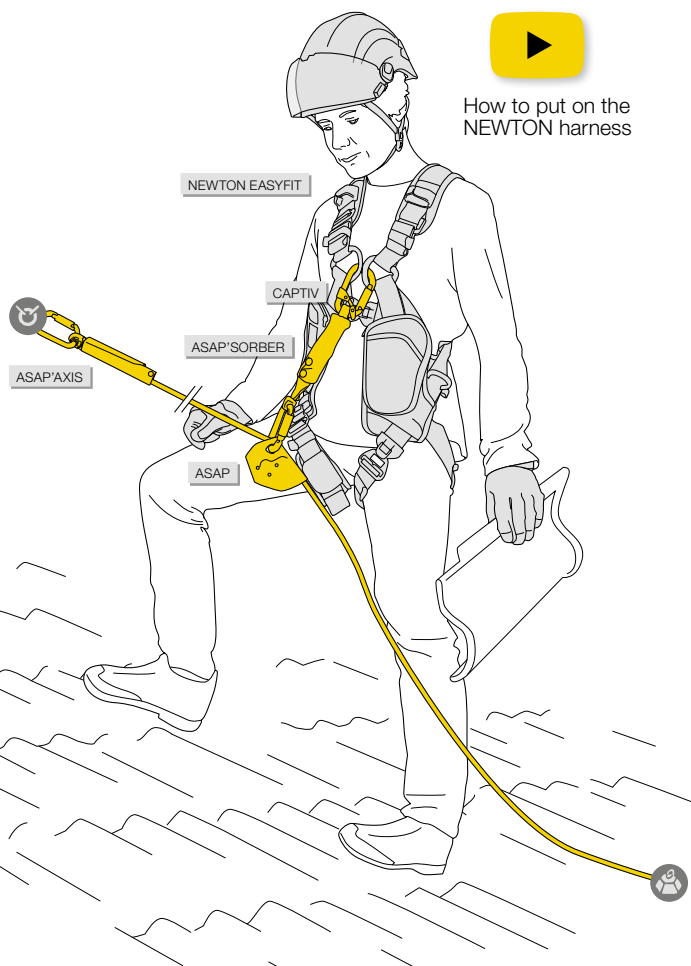
i+ To learn more about using
the ASAP on an incline,
see technical information
available at www.petzl.com
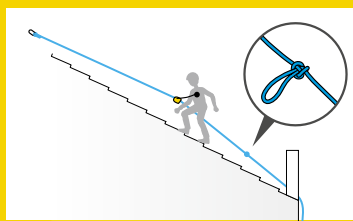
PETZL.COM

i+ For more information,
see technical tips at
www.petzl.com

PETZL.COM

GENERAL RESCUE PRINCIPLES

Inert suspension in a harness, even for a short time,
can cause serious physiological harm. In the event of an accident,
it is important to respond quickly with the appropriate technique.

Self-Rescue

On sites where the main access could be cut off by fire,
people must be ready to quickly evacuate the building.
They have evacuation kits. These kits are either portable or
installed permanently on the structure. When there is no existing
anchor, a hook-based system can be used. In both cases, teams
must be regularly trained so they don't panic in the event 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 event 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 well-trained teams)
In both cases, the teams undergo regular training,
so they can respond quickly in the event 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, and their equipment will be
lightweight and versatile
- Finally, a helicopter can be used when victim access is
complicated and/or remote, for example in the mountains

Cable Lift Evacuation

Cable lift evacuation operations follow an evacuation plan. Rescue
kits are put together to meet the specific needs of each operator.
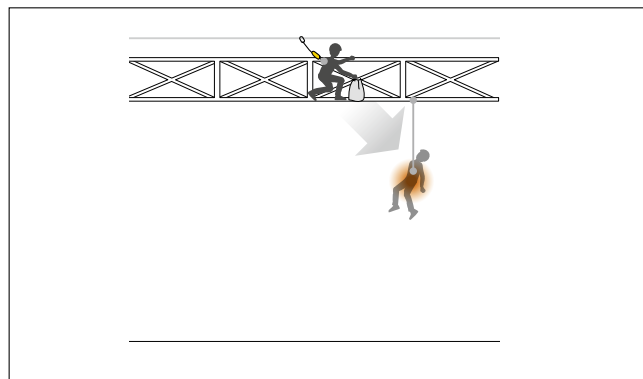
1. Accessing the victim

Accessing the victim can sometimes be complicated. Rope access
techniques are used in these cases. When access is possible from
above, rescuers use rope descent techniques. If an access rope is
in place, rescuers can ascend the rope using handled and ventral
rope clamp techniques. In other situations, rescuers are obliged to
use climbing techniques to reach the victim.

Example of access from above
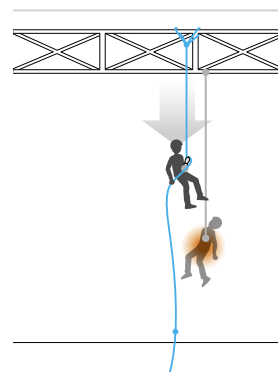
Example of access from below
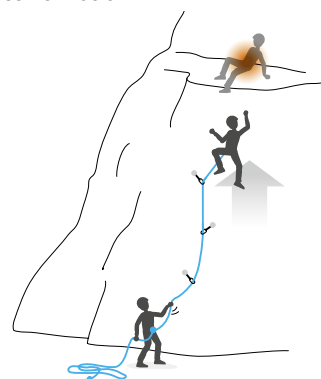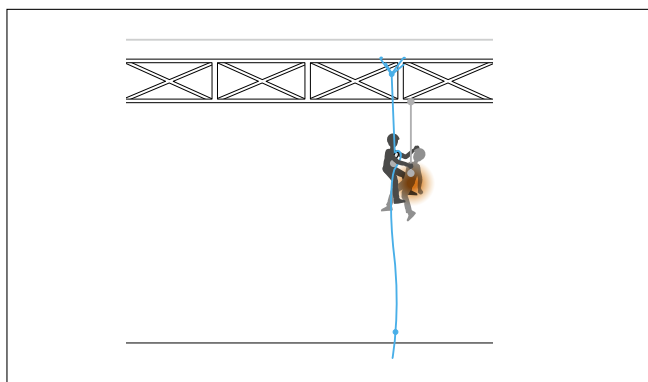
2. Releasing the victim

Raising

This involves using a mechanical advantage pulley system in order to easily raise the victim. A rescuer working alone uses a mechanical advantage system to reduce effort. The disadvantage is that a long rope is required. If there are enough rescuers, a lower mechanical advantage is used to speed up the operation.

Counterbalance 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 upward. 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. Beware when there is a significant weight difference between the rescuer and the victim.

Rope clamp for hauling

$F = 0,25\ M$

M

3. Evacuating the victim

Downward, the evacuation is done 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

Example of counterbalance

M2

M1
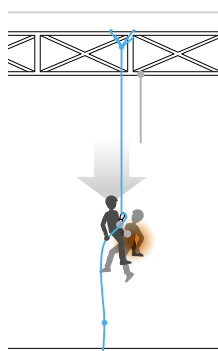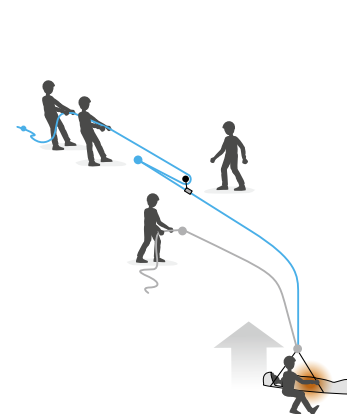
Horizontally
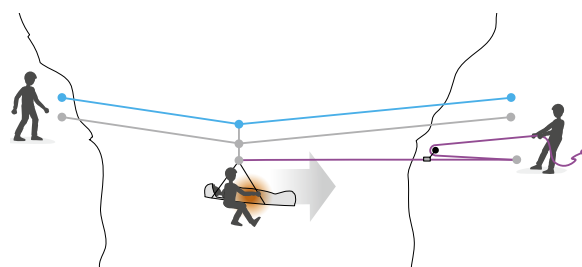
SELF-RESCUE

The typical scenario is of a firefighter trapped inside a burning structure. They need to be able to self-evacuate and must have the appropriate equipment to do so.

Technical specifics:

• In this situation, the firefighter must be able to take advantage of any available anchor point inside the building, or as a last resort, a window sill
• The exit generally takes place in an extremely hot, smoke-filled, and hostile environment, adding to the limitations
• The maneuvers must be as simple as possible, for quick action even under intense duress

EXO AP HOOK

EXO AP HOOK is a personal escape system with an anchor hook, designed for situations where the possibility of finding an anchor point is uncertain. It has a self-braking system with anti-panic function for quickly moving horizontally, climbing through a window, and controlling or stopping a descent. If the user pulls too hard on the handle, the anti-panic function brakes and stops the descent automatically.

Rapid horizontal movement

1

2

3

EXO AP HOOK
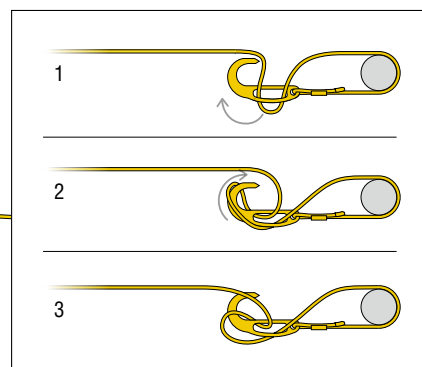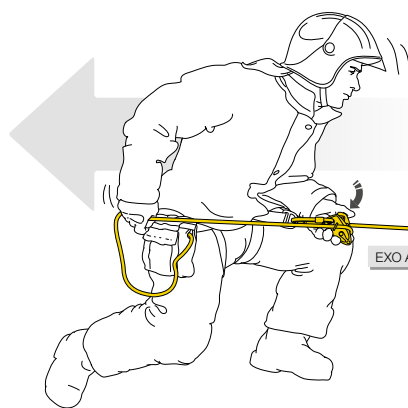
Going through a window while maintaining the anchor hook on the window sill. Locking the left leg against the interior wall to control the movement.

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.

EXO AP HOOK

Anti-panic function

STOP !
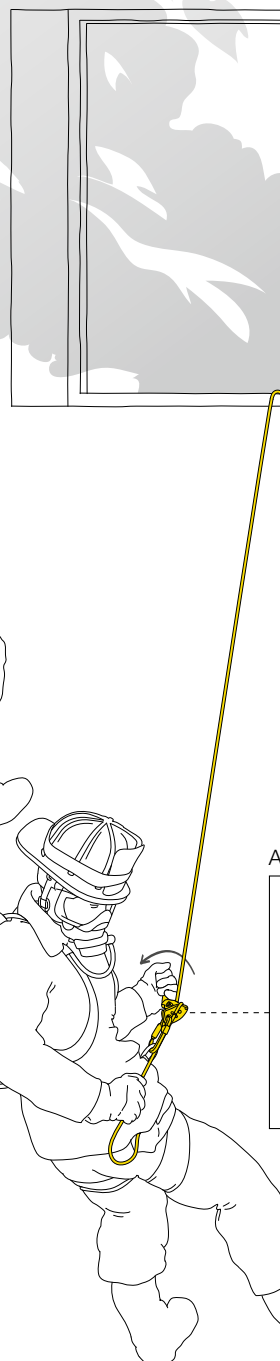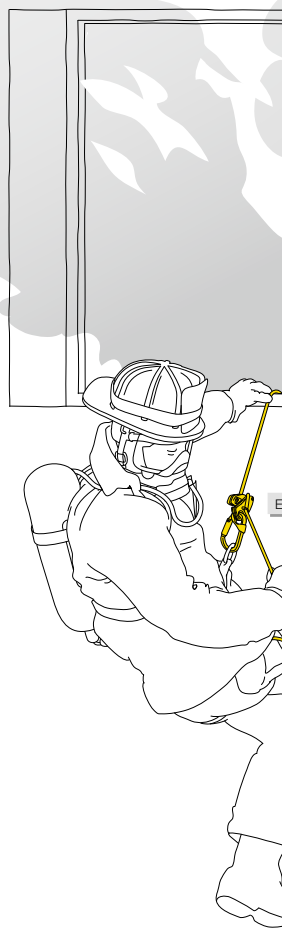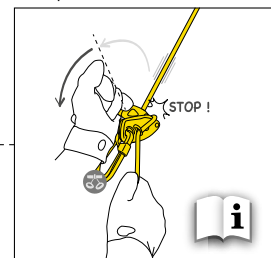
ON-SITE RESCUE

If a victim is not able to self-rescue, the on-site work team has to respond immediately and move them to safety.

Examples of operations:

• A team member accesses the victim, unhooks them, then lowers the victim unaccompanied

• A team member accesses the victim, releases them, then rappels down with the victim

• The victim is suspended on a pre-installed evacuation system that does not require a team member to access them directly

Technical specifics:

• Unaccompanied evacuation can generally be done using a ready-to-use rescue kit

• Accompanied descent requires proper training, as it implies a mastery of advanced rope access techniques

• In all cases, the rescue method should be as rapid as possible, in order to reduce the risk of suspension trauma, especially when the victim is unconscious

Self-rescue training, Belgium © 2023 Petzl Distribution - Vuedici.org - Monnaie
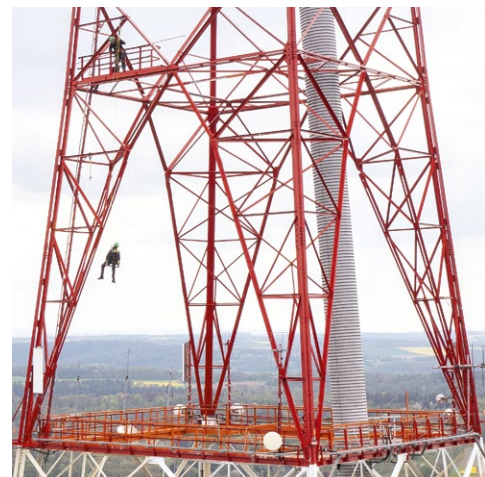
PETZL SOLUTIONS

VERTEX

VOLT
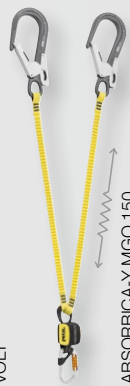
NEW 2024
ABSORBICA-Y MGO 150

JAG RESCUE KIT

NEW 2024
XENA

On-Site Rescue

Release and evacuation of a victim on a CROLL

Rescue from below by a team member with their own equipment. The rescuer must carry out a risk assessment before responding and verify (among other things) 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 themselves to the RIG descender, tethers to the victim, and moves the ASAP up above the victim.

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

1

ASAP LOCK

PROGRESS

RING OPEN

2

RIG

CAPTIV

3

ASCENSION

FOOTCORD

4
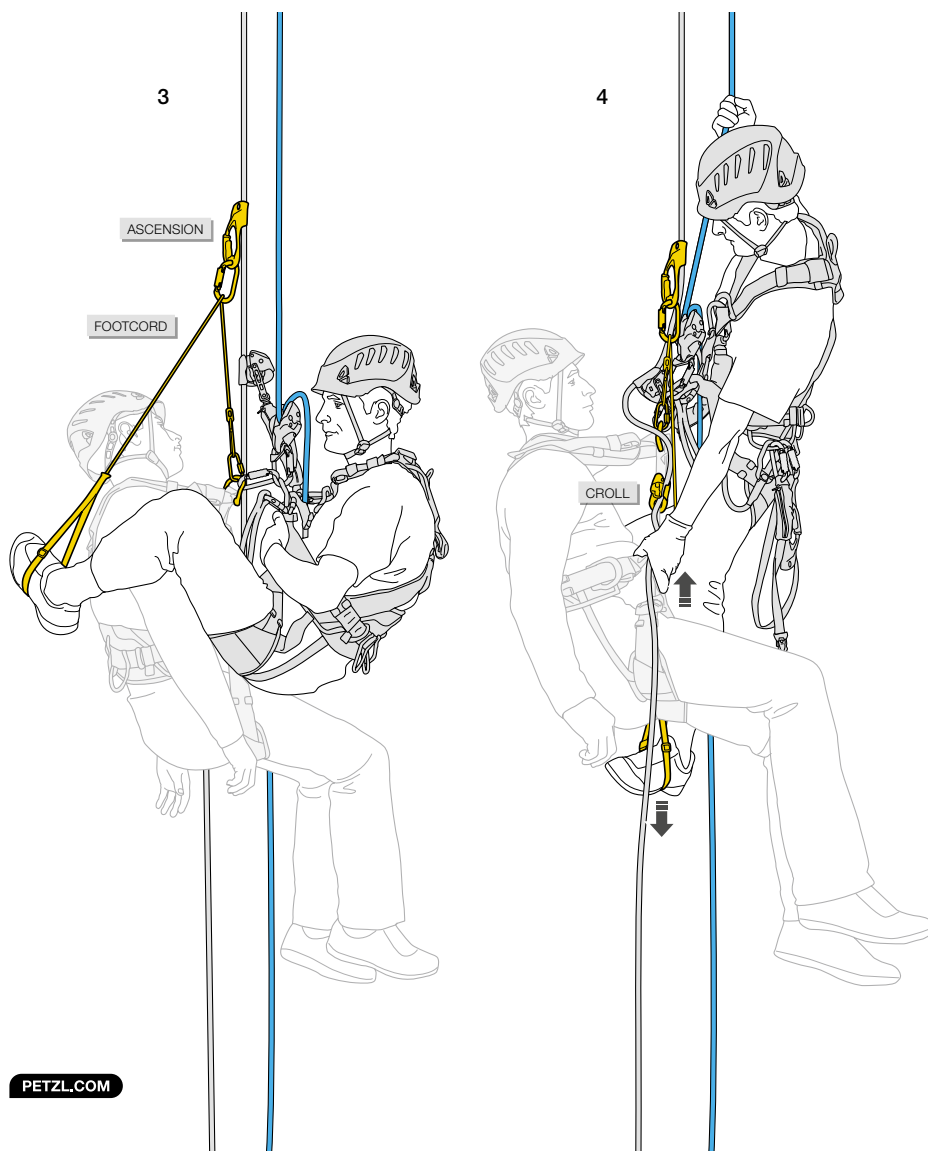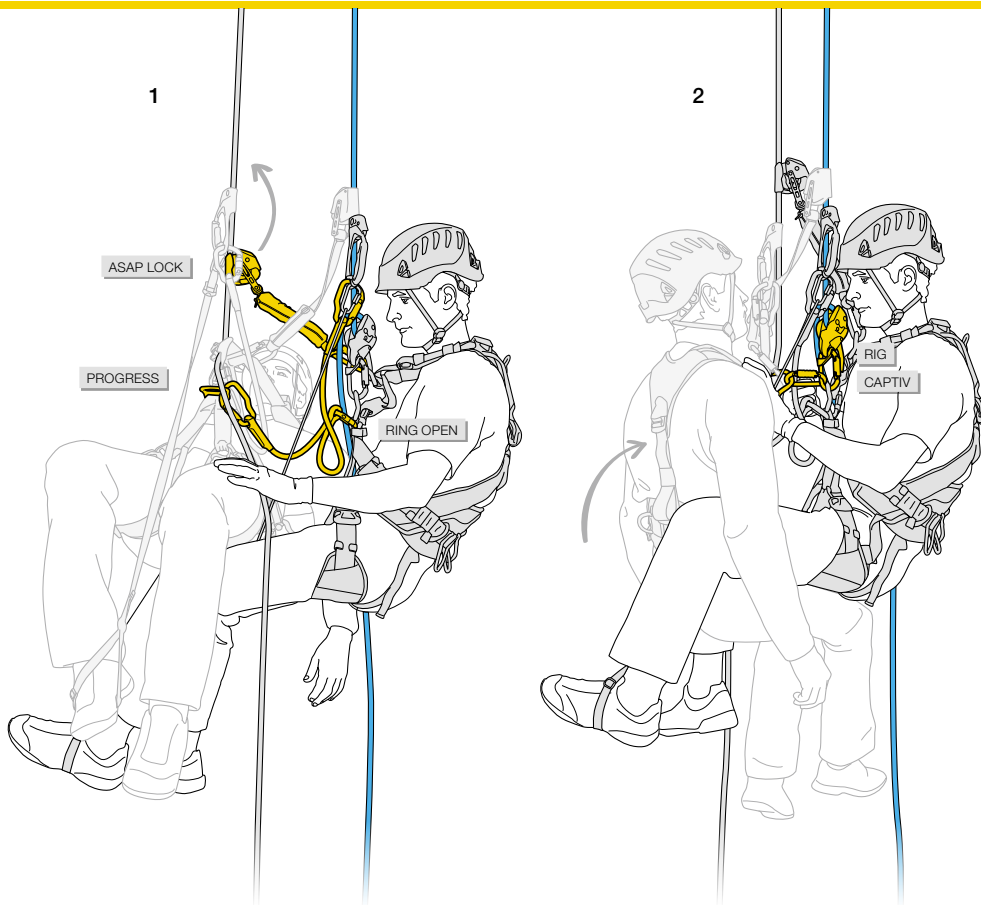
CROLL

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

4. In counterbalance on the foot loop, the rescuer prevents the rope from running through the CROLL and raises the victim. They remove the CROLL and take up as much rope slack as possible in the RIG descender.
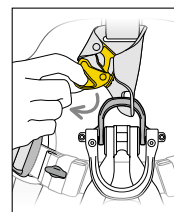
5. The rescuer, hanging on the RIG, removes the ASCENSION. They install a braking carabiner and accompany the victim to the ground.

5

RIG

CAPTIV
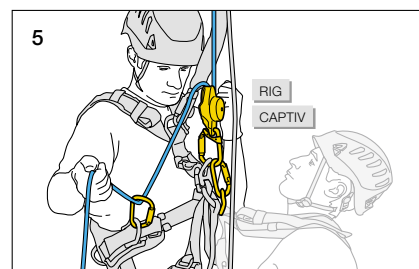
Release and rescue using a reversible rescue kit

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

1. Victim suspended by a lanyard, with the energy absorber torn by the fall.

2. Hauling (allows the victim to be released).

3. Lowering the victim.

1

ABSORBICA-I

2

JAG RESCUE KIT

3
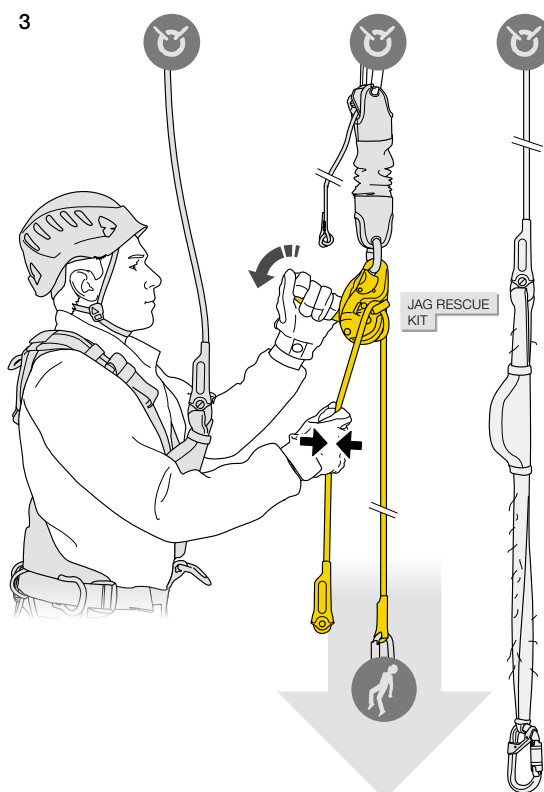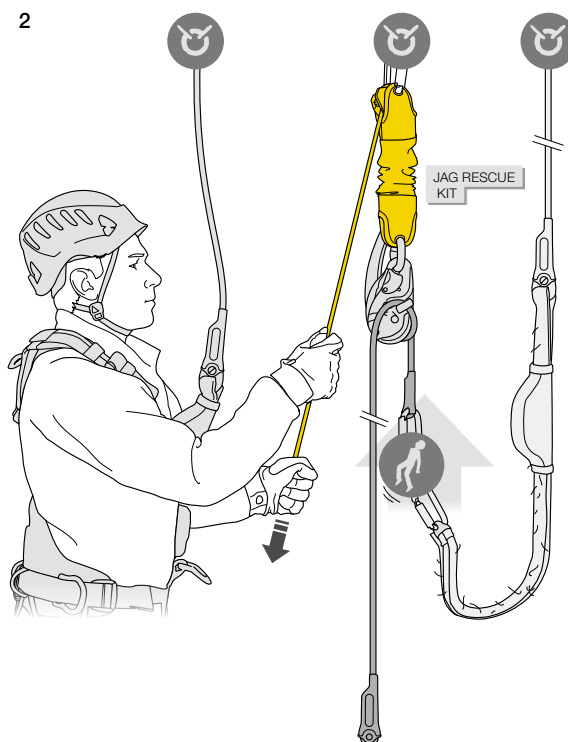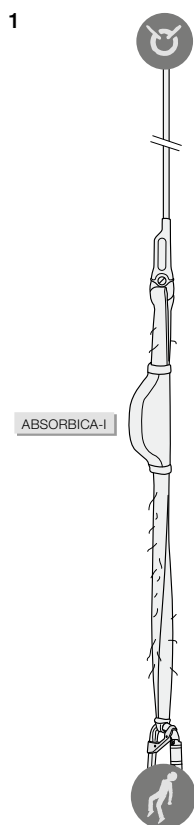
JAG RESCUE KIT

| i+ | To learn more about using the JAG RESCUE KIT to rescue a victim, see the technical information available at www.petzl.com | PETZL.COM |

| i+ | For more information, see technical tips at www.petzl.com | PETZL.COM |

TECHNICAL RESCUE

PETZL SOLUTIONS

STRATO VENT HI-VIZ

FALCON MOUNTAIN

MINI TRAXION

MAESTRO S

NEW 2024

TRANSPORT 45/60

Technical rescue teams respond when the situation is especially difficult and requires significant resources to be deployed.

Rescue examples:
• Following a vehicle roll-over into a ravine, the victims are rescued via motorized means
• Evacuation of an injured worker from a location that is difficult to access
• Helicopter rescue operations in mountainous terrain

Technical specifics:
• Technical rescue teams have to operate in a variety of terrain types and have complete mastery of progression and belay techniques on a rope
• When the terrain allows, downward evacuation is preferred because of the gravity-assist
• Upward evacuation is a team effort that requires perfect coordination by everyone involved and demands techniques which are sometimes particularly complex, such as creating a haul system using lightweight pulleys or counterweight techniques

NEW
2024

XENA

Technical Rescue

Using the MAESTRO

The MAESTRO enables controlled lowering of loads up to 250 kg (MAESTRO S) and 280 kg (MAESTRO L).
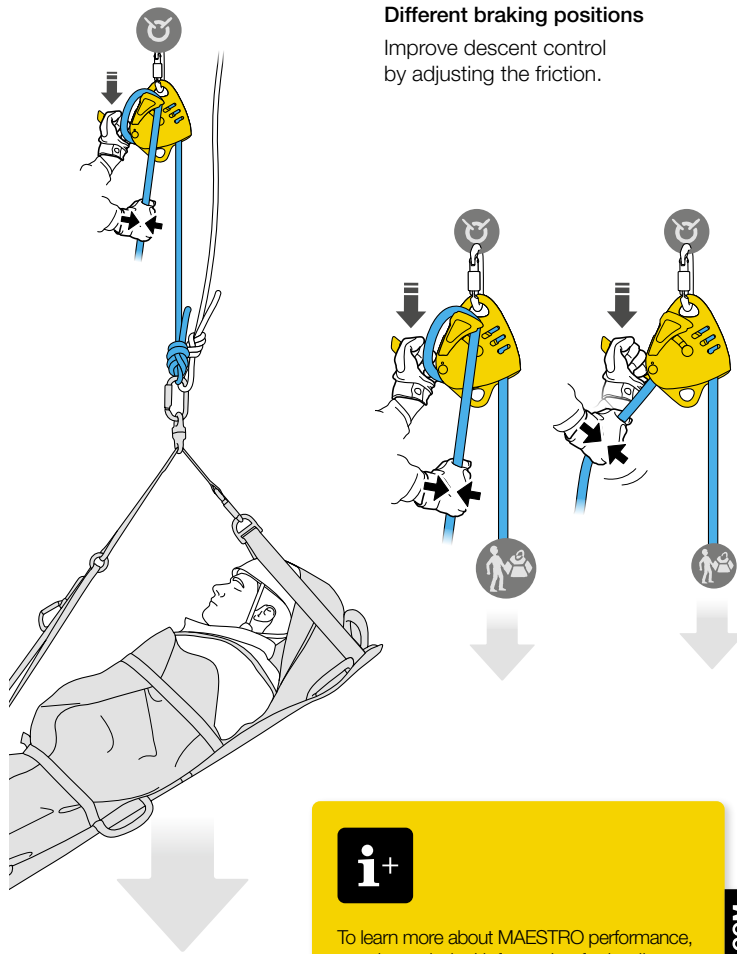
Different braking positions

Improve descent control by adjusting the friction.

Rope redirect with SPIN L1D pulley

Rope redirect when raising: sheave rotates in the direction of the ascent.
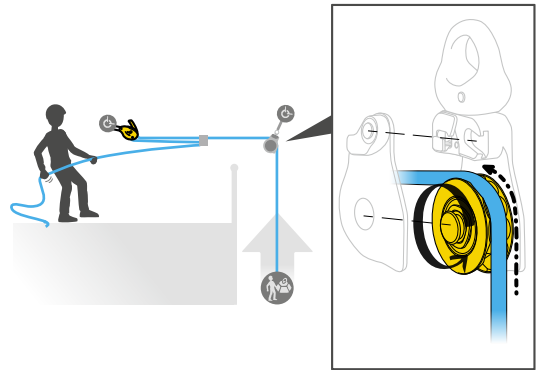
Extra friction makes for a more comfortable descent: the sheave does not rotate, and the facets provide additional friction on the rope.
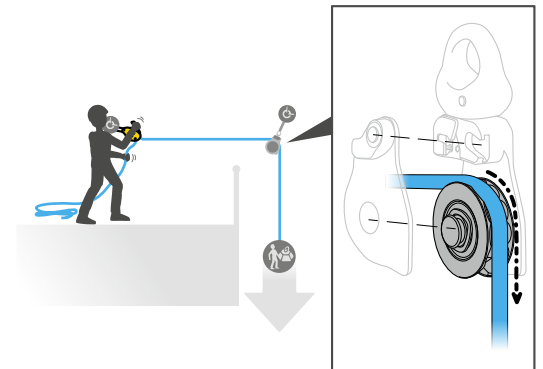
Hauling with MAESTRO or PRO TRAXION

The mechanical advantage of a haul system is a theoretical advantage, but efficiency is affected by several factors in practice, including pulley efficiency, rope diameter, rate of hauling, and regularity of movement.

Here are some test results using a constant rate of 1.5 m/minute. Other results are available in the technical information at www.petzl.com

Simple directional (1:1)

MAESTRO S

∅	F
10.5 mm	116 kg
11 mm	122 kg

100 kg

PRO TRAXION

100 kg

∅	F
8 mm	105 kg
9 mm	109 kg
11 mm	113 kg
12.5 mm	117 kg

Haul system (3:1)

MAESTRO S

∅	F
11 mm	40 kg

RESCUE

100 kg

PRO TRAXION

∅	F
11 mm	39 kg

100 kg

RESCUE
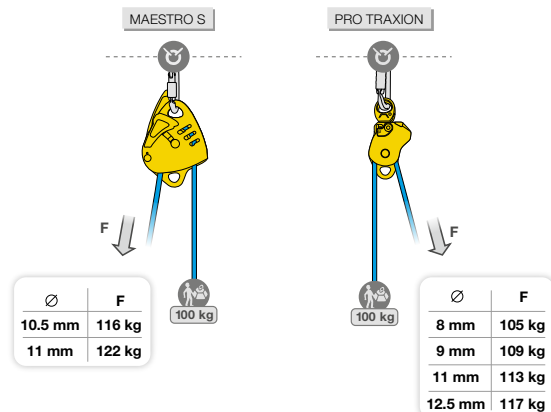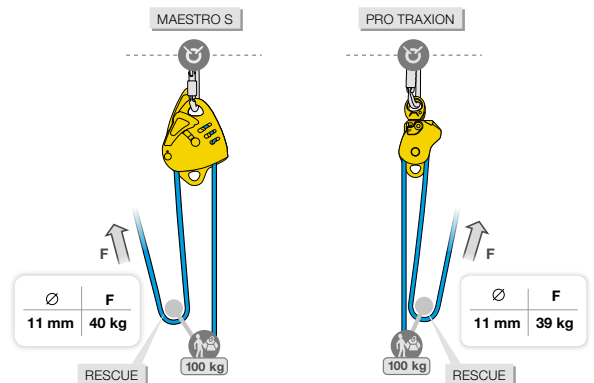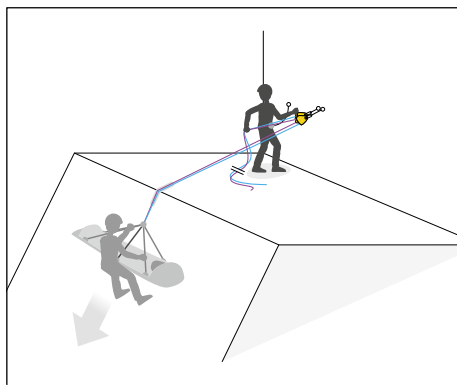
Lowering with two MAESTROs in parallel, controlled by a single operator

One operator simultaneously controls the two devices to optimize load-sharing between the two ropes, while limiting the potential fall distance in case one rope fails.
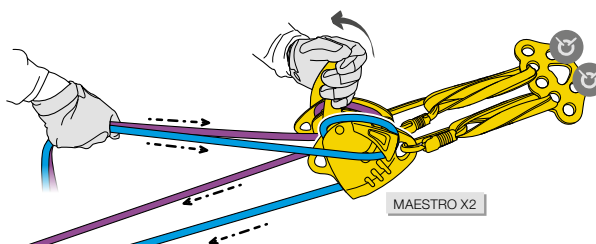
MAESTRO X2

ROLLER COASTER

How to belay with the MAESTRO on a back-up rope
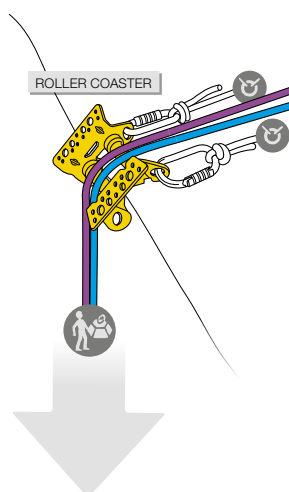
Addition of a back-up system to address potential operator error.
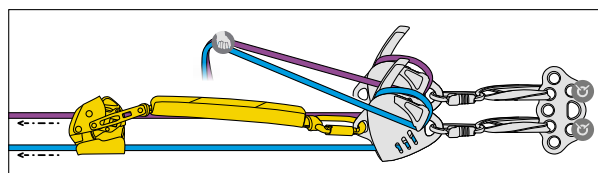
Evacuation on a tensioned highline with REEVE

The REEVE combines two pulleys with a rigging plate for clean and compact rigging of your highline rescue system.
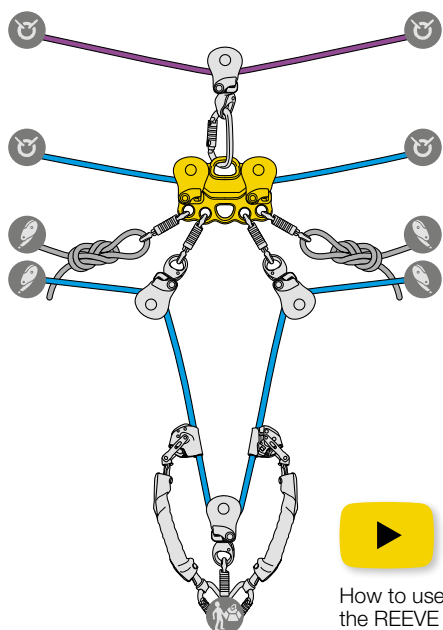
How to use the REEVE

Adjusting position of the litter attendant with JAG SYSTEM

The JAG SYSTEM allows the attendant to efficiently adjust their position, even with all of their weight on the lanyard and without good support for the feet.

i+

For more information, see technical tips at www.petzl.com

PETZL.COM

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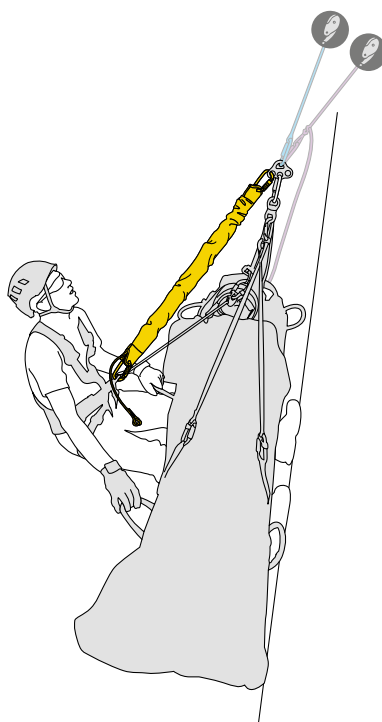
CABLE LIFT EVACUATION

If cable lift equipment fails, the operations manager must evacuate passengers according to the evacuation plan.
This evacuation must be done within a predefined time frame and is generally conducted by the operations staff.

Technical specifics:

• Accessing the passengers is done by moving along the cable, from the towers
• These operations are managed simultaneously by multiple autonomous teams, generally made up of:
- Someone suspended on the cable who evacuates passengers and whose movements are protected by a team member on the tower
- Someone on the ground who receives passengers and guides the movement of the team member on the cable
• The success of these operations hinges largely on the instruction, training, and practice of the operations staff (at least once a year)

PETZL SOLUTIONS

STRATO VENT HI-VIZ

Petzl

AVAO BOD FAST

PITAGOR

I'D EVAC

ROLLCAB

GRILLON MGO

NEW 2024

SWIFT RL

Cable Lift Evacuation

I'D EVAC

ABSORBICA-Y MGO
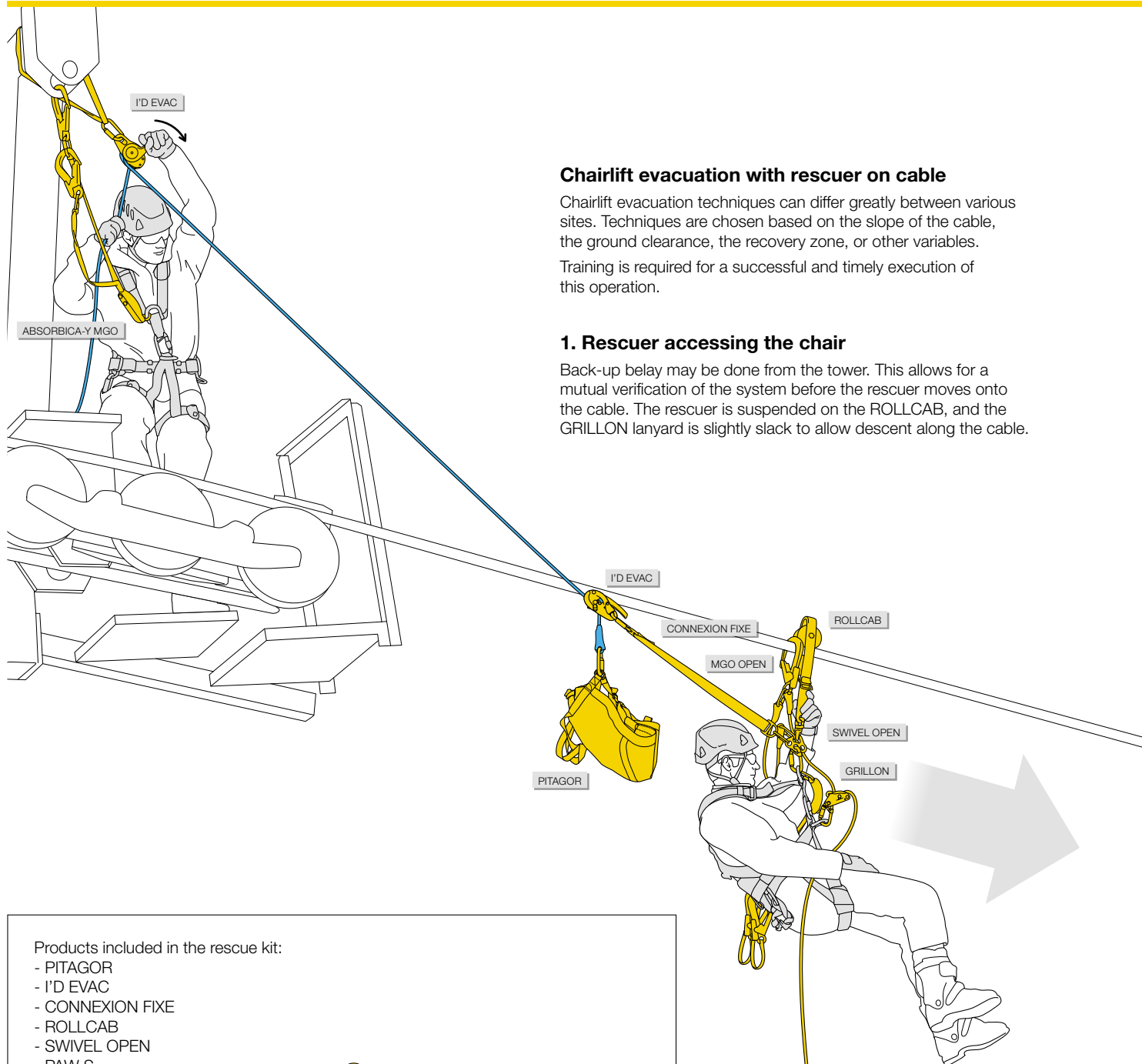
Chairlift evacuation with rescuer on cable

Chairlift evacuation techniques can differ greatly between various sites. Techniques are chosen based on the slope of the cable, the ground clearance, the recovery zone, or other variables.

Training is required for a successful and timely execution of this operation.

1. Rescuer accessing the chair

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

I'D EVAC

CONNEXION FIXE

ROLLCAB

MGO OPEN

SWIVEL OPEN

GRILLON

PITAGOR

Products included in the rescue kit:
- PITAGOR
- I'D EVAC
- CONNEXION FIXE
- ROLLCAB
- SWIVEL OPEN
- PAW S
- JANE
- GRILLON
- MGO OPEN
- GO x 4
- Am'D x 4
- CAPTIV x 3
- AXIS 11 mm with sewn termination
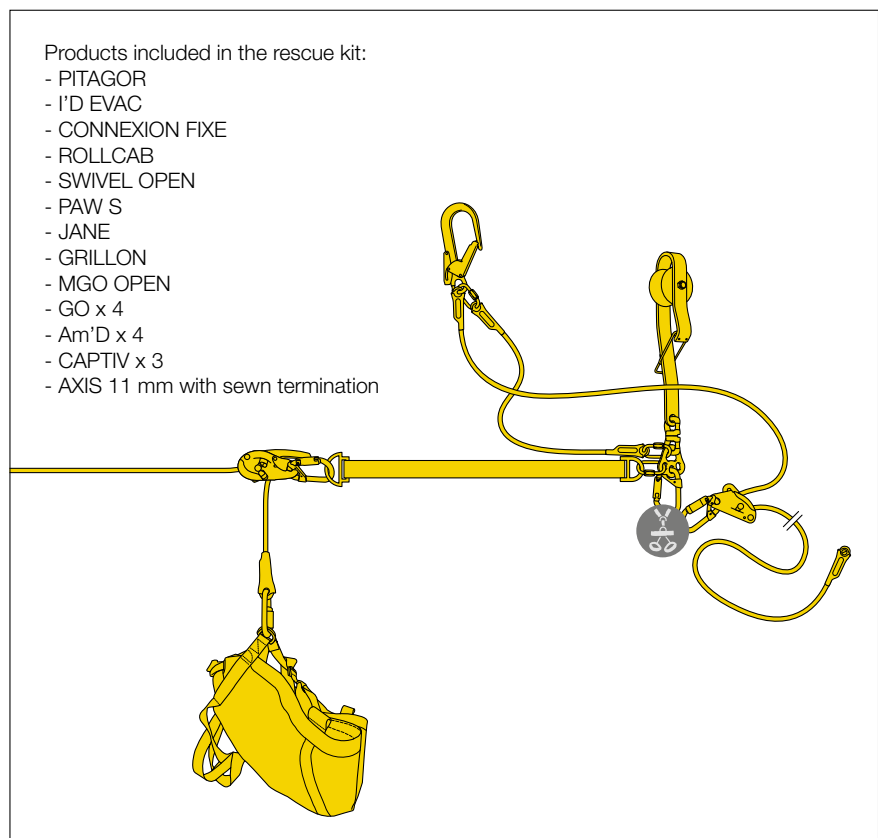
How to carry out a chairlift evacuation

2. Evacuating the passenger

The rescuer descends on the GRILLON lanyard to the chair. They install the PITAGOR rescue triangle on the passenger, then evacuate them with an I'D EVAC descender.

CONNEXION FIXE

I'D EVAC

MGO OPEN

GRILLON

PITAGOR
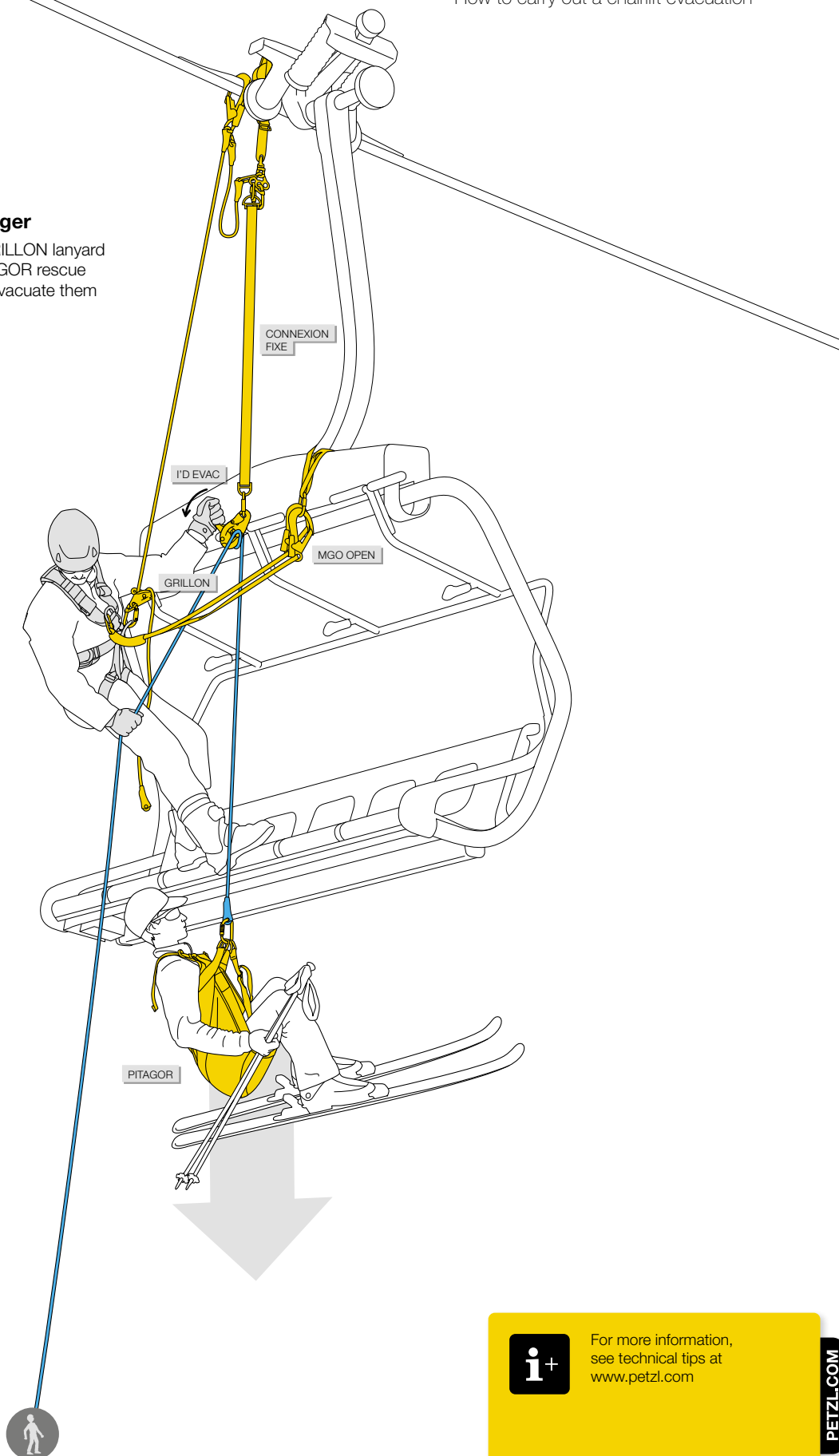
i+ For more information, see technical tips at www.petzl.com

HELMETS

Essential for work at height and certain industrial activities, helmets provide the user with effective protection from falling objects, or in the event that the user falls.

Comfortable Helmets

Helmets with webbing suspension
for optimal comfort.

VERTEX — VERTEX HI-VIZ — VERTEX VENT — VERTEX VENT HI-VIZ

Lightweight Helmets

Lightweight, compact helmets
with hybrid construction liner
(EPP and EPS foams).

STRATO — STRATO HI-VIZ — STRATO VENT — STRATO VENT HI-VIZ

Protective Eye and Face Shields

Protective eye and face shields
for VERTEX and STRATO helmets.

VIZIR — VIZIR SHADOW

VIZEN — VIZEN MESH

Accessories

Nametag holder — Nape protector — Helmet protector — Storage bag — DUAL chinstrap

Headband with comfort foam — Comfort foam — Upper foam for STRATO helmet — Transparent stickers — Reflective stickers
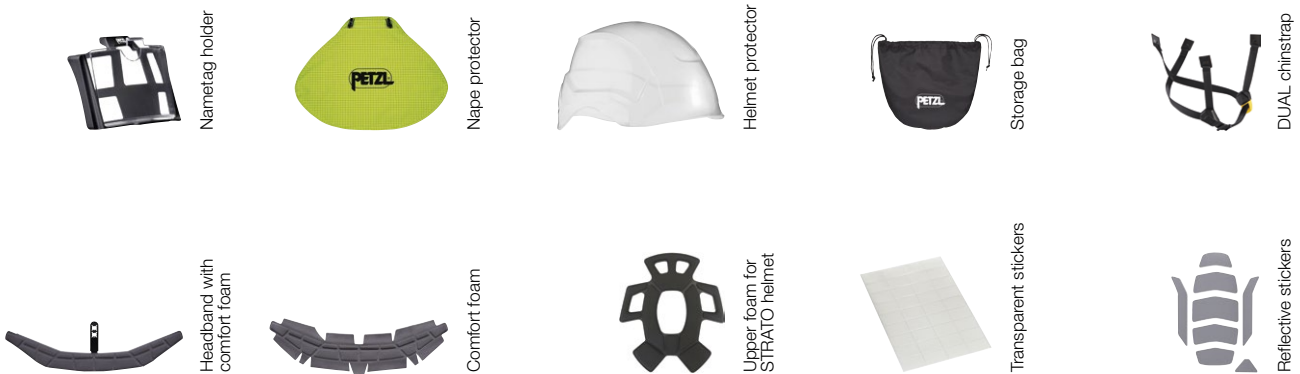
Hats and Balaclava

Hats and balaclava for protection
against rain and cold.

LINER — BEANIE — BALACLAVA

CUSTOM

Helmets

Essential for work at height and certain industrial activities, helmets provide the user with effective protection from falling objects, or in the event that the user falls. With a very secure fit, Petzl helmets are comfortable to wear in a variety of different situations. With a complete line of entirely modular accessories, they meet the diverse needs of professionals.

• Excellent fit on the head
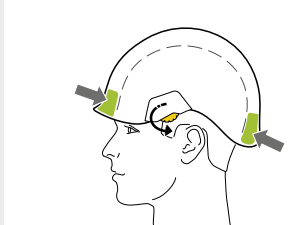
CENTERFIT adjustment
The CENTERFIT adjustment system allows the helmet to be perfectly centered on the head. The headband is easy to adjust by simultaneously rotating the two side adjustment wheels, even while wearing gloves.
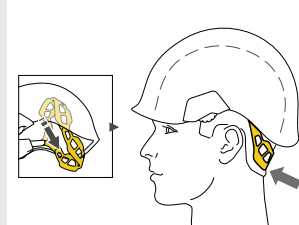
FLIP&FIT system
The FLIP&FIT system immediately positions the headband in a low position, to provide a secure fit on the head. The headband folds into the shell for easy storage and transport.

• DUAL chinstrap strength is adjustable, to adapt to a variety of different work situations
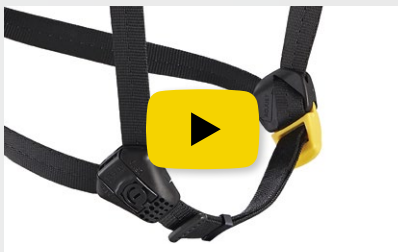
The DUAL chinstrap allows the worker to adjust chinstrap strength in order to adapt the helmet to different environments: work at height (EN 12492) or on the ground (EN 397).
The clip has two positions, corresponding to the following two uses:
- Higher strength to limit the risk of the helmet coming off in a fall (strength > 50 daN)
- Lower strength to limit the risk of strangulation, by releasing if snagged when user is at ground level (strength < 25 daN)

Solution for Different Protection Needs

	Helmets With Unventilated Outer Shell		Helmets With Ventilated Outer Shell	
	VERTEX	STRATO	VERTEX VENT	STRATO VENT
Protection against falling objects (PENETRATION PROTECTION / IMPACT PROTECTION)	●		●	
Ventilation holes allow airflow through the helmet (VENTILATION)	-		●	
Protection against electrical hazards (ELECTRICAL PROTECTION)	●		-	
Protection against molten metal splash (MOLTEN METAL PROTECTION)	●		●	-
Protection against lateral deformation (LATERAL DEFORMATION)	●		●	

• Modular accessories

Extensive line of protective eye and face shields, headlamps, and accessories

- Eye shields, face shields for protection against electric arc hazards, specific shields for tree care
- Headlamps for lighting
- Nametag holder, nape protector, helmet protectors, chinstraps

Helmet protector

Headlamp

Nametag holder

Stickers

VIZIR / VIZIR SHADOW

Nape protector

VIZEN
VIZEN MESH

Headbands and foam

Storage bag

VERTEX
+ Nametag holder

VERTEX VENT HI-VIZ
+ PIXA

STRATO VENT
+ VIZEN MESH
+ Nape protector

Helmets

• A variety of choices

Available in assorted colors
VERTEX helmets are available in seven standard colors; STRATO helmets are available in four colors. VERTEX and STRATO helmets are also available in two HI-VIZ versions, with a fluorescent outer shell (yellow or orange), phosphorescent clips, and reflective bands for optimal visibility of the worker, day or night.

Multiple certifications
Depending on the model, Petzl helmets meet the requirements for the following certifications:
- European EN 397, EN 12492 and EN 50365
- British UKCA
- American ANSI Z89.1
- Canadian CSA Z94.1
- Russian EAC
- Australian AS/NZS 1801
- Chinese GB 2811

• Easy to install and modular design

All Petzl helmets can be adapted to additional needs for protection or lighting in just a few seconds, thanks to the EASYCLIP system and a variety of inserts.

CLIP !   **CLIP !**
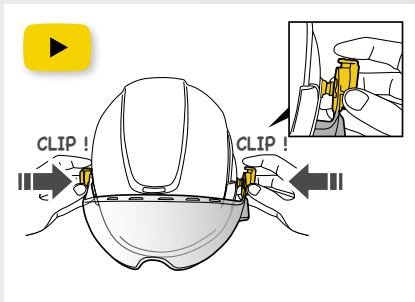
EASYCLIP

The EASYCLIP system allows quick installation of a protective shield. EASYCLIP is easy to install and is compatible with all Petzl helmets and shields. It comes with every protective eye and face shield.

• Petzl Custom for helmets
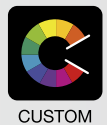
CUSTOM

Petzl Custom can:
- Customize the helmet with a logo and reflective stickers
- Pre-mount Petzl eye and face shields and accessories of your choice onto the helmet for a ready-made solution, with each helmet delivered in an individual transport pouch. Available for orders of 20 helmets or more.

• Comfortable construction

VERTEX helmets have a six-point webbing suspension system, conforming to the shape of the head for maximum comfort. Shock absorption is achieved through deformation of the external shell.

• Lightweight construction

The liner of STRATO helmets is designed in two parts: EPP (expanded polypropylene) and EPS (expanded polystyrene), for reduced weight. Shock absorption is achieved through deformation of the liner.

▶ VERTEX and VERTEX VENT helmets

VERTEX®
Comfortable helmet
The VERTEX helmet is very comfortable, with its six-point textile suspension and CENTERFIT and FLIP&FIT systems, which provide a secure fit on the head. The adjustable-strength chinstrap makes it ideal for both work at height and on the ground. The unventilated outer shell protects against electrical hazards, molten metal splash, and flames. With its potential for integration of a Petzl headlamp, hearing protection, and multiple accessories, it is an entirely modular helmet, meeting the additional needs of professionals.

VERTEX® HI-VIZ
Comfortable high-visibility helmet
The high-visibility version features a fluorescent outer shell with phosphorescent clips and reflective bands for optimal visibility of the worker, day or night.

VERTEX® VENT
Comfortable ventilated helmet
The VERTEX VENT helmet is very comfortable, with its six-point textile suspension and CENTERFIT and FLIP&FIT systems, which provide a secure fit on the head. The adjustable-strength chinstrap makes it ideal for both work at height and on the ground. Ventilation holes with sliding shutters allow airflow through the helmet. With its potential for integration of a Petzl headlamp, hearing protection, and multiple accessories, it is an entirely modular helmet, meeting the additional needs of professionals.

VERTEX® VENT HI-VIZ
Comfortable, ventilated, high-visibility helmet
The high-visibility version features a fluorescent outer shell with phosphorescent clips and reflective bands for optimal visibility of the worker, day or night.

▶ STRATO and STRATO VENT helmets

STRATO®
Lightweight helmet
The STRATO helmet is very lightweight and comfortable, with CENTERFIT and FLIP&FIT systems which provide a secure fit on the head. The adjustable-strength chinstrap makes it ideal for both work at height and on the ground. The unventilated outer shell protects against electrical hazards, molten metal splash, and flames. With its potential for integration of a Petzl headlamp, hearing protection, and multiple accessories, it is an entirely modular helmet, meeting the additional needs of professionals.

STRATO® HI-VIZ
Lightweight, high-visibility helmet
The high-visibility version features a fluorescent outer shell with phosphorescent clips and reflective bands for optimal visibility of the worker, day or night.

STRATO® VENT
Lightweight, ventilated helmet
The STRATO VENT helmet is very lightweight and comfortable, with CENTERFIT and FLIP&FIT systems which provide a secure fit on the head. The adjustable-strength chinstrap makes it ideal for both work at height and on the ground. Ventilation holes allow airflow through the helmet. With its potential for integration of a Petzl headlamp, hearing protection, and multiple accessories, it is an entirely modular helmet, meeting the additional needs of professionals.

STRATO® VENT HI-VIZ
Lightweight, ventilated, high-visibility helmet
The high-visibility version features a fluorescent outer shell with phosphorescent clips and reflective bands for optimal visibility of the worker, day or night.

Helmets

PETZL® by **bollé** SAFETY

▶ How to install a face shield

VIZIR
Eye shield with EASYCLIP system for VERTEX and STRATO helmets
The VIZIR eye shield protects the eyes against projectile hazards. It is easy to install on VERTEX and STRATO helmets with the EASYCLIP attachment system. It also has scratch-resistant and anti-fog coatings.

VIZIR SHADOW
Tinted eye shield with EASYCLIP system for VERTEX and STRATO helmets
The VIZIR SHADOW eye shield provides eye protection against projectile hazards.
It is easy to install on VERTEX and STRATO helmets with the EASYCLIP attachment system.
It has a level 2.5 solar protection filter, and anti-scratch and anti-fog treatments.

VIZEN
Face shield for protection against electric arc hazards, with EASYCLIP system for VERTEX and STRATO helmets
The VIZEN face shield protects against electric arc hazards. This full-coverage shield offers face and eye protection while preserving peripheral vision. It is easily installed on VERTEX and STRATO helmets using the EASYCLIP attachment system. It also has scratch-resistant and anti-fog coatings.

VIZEN MESH
Face shield for tree care for VERTEX and STRATO helmets, with EASYCLIP system
The VIZEN MESH face shield protects against flying wood chips and shavings. This full-coverage shield offers complete face protection while providing good visibility. It is easily installed on VERTEX and STRATO helmets using the EASYCLIP attachment system.

Nametag Holder for VERTEX® and STRATO® Helmets
The nametag holder for VERTEX and STRATO helmets allows quick identification of the worker.
It is easy to install and provides effective rain protection for business cards.

Nape Protector for VERTEX® and STRATO® Helmets
The nape protector for VERTEX and STRATO helmets provides effective sun and rain protection
for the nape of the neck. Fluorescent colors give the worker optimal visibility, night and day.
Available in two colors.

Protector for VERTEX® Helmet
The protector for the VERTEX helmet is easy to install and protects the shell from soiling and splash.

Protector for STRATO® Helmet
The protector for the STRATO helmet is easy to install and protects the shell from soiling and splash.

Storage Bag for VERTEX® and STRATO® Helmets
Storage bag to protect VERTEX and STRATO helmets during storage and transport.
Accessories are also protected in a closed interior compartment.

DUAL Chinstrap for VERTEX® and STRATO® Helmets
This chinstrap can be used to change or replace the chinstrap of VERTEX and STRATO helmets.
It allows the worker to modify chinstrap strength in order to adapt the helmet to different environments:
work at height or on the ground. Available in two colors and in a long version.

Helmets

Headband With Comfort Foam for VERTEX®
and STRATO® Helmets
Ready-to-install headband with comfort foam (standard or absorbent),
to extend the life of a VERTEX or STRATO helmet. Pack of 5.

Comfort Foam for VERTEX® and STRATO® Helmets
Comfort foam (standard or absorbent), to be installed on the headband of a VERTEX
or STRATO helmet, to prolong its life.

Upper Foam for STRATO® Helmet
Upper foam installs on the liner of the STRATO helmet, to extend its life.
It is comfortable, absorbent, and machine-washable.

Transparent Stickers for VERTEX® and STRATO® Helmets
Transparent stickers allow VERTEX and STRATO helmets to be customized using a permanent marker
or laser printer.

Reflective Stickers for VERTEX®
Reflective stickers for increased visibility of VERTEX helmets.

Reflective Stickers for STRATO®
Reflective stickers for increased visibility of STRATO helmets.

Hats and Balaclava

PETZL by Buff

Buff® is a trademark and property of Original Buff®

LINER
Breathable cap for wicking perspiration
LINER is a breathable cap for wicking perspiration and drying quickly. The seamless fitted
design makes it comfortable to wear under a helmet, without getting in the way.

BEANIE
Protective cap for cold and wind
BEANIE is a cap that protects the head on cold and windy days. The design, specific to each zone,
optimizes thermal insulation and regulates moisture. The seamless fitted design and side vents make
it comfortable to wear under a helmet, without getting in the way.

BALACLAVA
Balaclava for protection against cold and wind
BALACLAVA protects the head, face, and neck on cold, windy days. The design, specific to each
zone, optimizes thermal insulation and regulates moisture. The seamless fitted design and multiple
side vents make it comfortable to wear under a helmet, without getting in the way.

		Certifications	Weight
Eye and Face Shields			
VIZIR	A015AA00	CE EN 166, 1BT, ANSI Z87.1, EAC, UKCA, GB 32166.1	80 g
VIZIR SHADOW	A015BA00	CE EN 166, 1BT, CE EN 172, 5-2,5, ANSI Z87.1, EAC UKCA, GB 32166.1	80 g
VIZEN	A014AA00	CE EN 166, 1BT8, CE EN 170, 2C-1,2, GS ET-29, Class 1, ANSI Z87.1, EAC, UKCA	180 g
VIZEN MESH	A021AA00	CE EN 1731, ANSI Z87.1, EAC, UKCA	117 g

		Color	Version	Weight
Accessories				
Nametag Holder for VERTEX and STRATO Helmets	A018AA00	-	-	45 g
Nape Protector for VERTEX and STRATO Helmets	A019AA00	Yellow	-	55 g
	A019AA01	Orange	-	
Protector for VERTEX Helmet	A012AA00	-	-	60 g
Protector for STRATO Helmet	A012BA00	-	-	60 g
Storage Bag for VERTEX and STRATO Helmets	A022AA00	-	-	175 g
DUAL Chinstrap for VERTEX and STRATO Helmets	A010FA00	Yellow / Black	Standard	34 g
	A010FA01	Black	Standard	
	A010FA02	Yellow / Black	Extended	
Headband With Comfort Foam for VERTEX and STRATO Helmets	A010HA00	-	Standard	30 g
	A010JA00		Absorbent	
Comfort Foam for VERTEX and STRATO Helmets	A010KA00	-	Standard	15 g
	A010LA00		Absorbent	
Upper Foam for STRATO Helmet	A020EA00	-		15 g
Transparent Stickers for VERTEX and STRATO	A10100	-	-	-
Reflective Stickers for VERTEX	A010MA00	-	-	10 g
Reflective Stickers for STRATO	A020FA00	-	-	10 g

		Size	Head Circumference	Weight
Hats and Balaclava				
LINER	A016AA00	M - L	56 - 59 cm	15 g
	A016AA01	L - XL	59 - 63 cm	
BEANIE	A016BA00	M - L	56 - 59 cm	25 g
	A016BA01	L - XL	59 - 63 cm	
BALACLAVA	A016CA00	M - L	56 - 59 cm	60 g
	A016CA01	L - XL	59 - 63 cm	

Helmets

			European Certifications	U.S. Certifications	Canadian Certification	Russian Certification	Australian Certification	Chinese Certification	IMPACT PROTECTION			PENETRATION PROTECTION	
									EN 397	EN 12492	ANSI Z89.1	EN 397	ANSI Z89.1
Comfortable Helmets													
VERTEX	A010AA00	☐	CE EN 397 EN 50365 EN 12492 (6) UKCA	ANSI Z89.1 Type I Class E	CSA Z94.1 Type I Class E (5)	EAC	AS/NZS 1801	GB 2811	●	●	●	●	●
	A010AA01												
	A010AA02												
	A010AA03												
	A010AA04												
	A010AA05												
	A010AA06												
VERTEX HI-VIZ	A010DA00		CE EN 397 EN 50365 EN 12492 (6) UKCA	ANSI Z89.1 Type I Class E	CSA Z94.1 Type I Class E (5)	EAC	AS/NZS 1801	GB 2811	●	●	●	●	●
	A010DA01												
VERTEX VENT	A010CA00	☐	CE EN 12492 EN 397 UKCA	ANSI Z89.1 Type I Class C	-	EAC	-	GB 2811	●	●	●	●	●
	A010CA01												
	A010CA02												
	A010CA03												
	A010CA04												
	A010CA05												
	A010CA06												
VERTEX VENT HI-VIZ	A010EA00		CE EN 12492 EN 397 UKCA	ANSI Z89.1 Type I Class C	-	EAC	-	GB 2811	●	●	●	●	●
	A010EA01												
Lightweight Helmets													
STRATO	A020AA00	☐	CE EN 397 (1) EN 50365 (2) UKCA	ANSI Z89.1 Type I Class E	-	EAC	-	GB 2811	●	●	●	●	●
	A020AA01												
	A020AA02												
	A020AA03												
STRATO HI-VIZ	A020CA00		CE EN 397 (1) EN 50365 (2) UKCA	ANSI Z89.1 Type I Class E	-	EAC	-	GB 2811	●	●	●	●	●
	A020CA01												
STRATO VENT	A020BA00	☐	CE EN 12492 UKCA	ANSI Z89.1 Type I Class C	-	-	-	-	●	●	●	●	●
	A020BA01												
	A020BA02												
	A020BA03												
STRATO VENT HI-VIZ	A020DA00		CE EN 12492 UKCA	ANSI Z89.1 Type I Class C	-	-	-	-	●	●	●	●	●
	A020DA01												

CHINSTRAP STRENGTH			VENTILATION	ELECTRICAL PROTECTION			MOLTEN METAL PROTECTION	FLAME RESISTANCE		LATERAL DEFORMATION	LOW TEMPERATURE		HIGH VISIBILITY	Head Circumference	Weight
EN 397 (3)	EN 12492 (4)	ANSI Z89.1	EN 12492	EN 397	EN 50365	ANSI Z89.1	EN 397	EN 397	ANSI Z89.1	EN 397	EN 397	ANSI Z89.1	ANSI Z89.1		
•	•	•	-	•	•	•	•	•	•	•	•	•	-	53-63 cm	490 g
•	•	•	-	•	•	•	•	•	•	•	•	•	•	53-63 cm	495 g
•	•	•	•	-	-	-	•	•	•	•	•	•	-	53-63 cm	490 g
•	•	•	•	-	-	-	•	•	•	•	•	•	•	53-63 cm	495 g
•	•	•	-	•	•	•	•	•	•	•	•	•	-	53-63 cm	435 g
•	•	•	-	•	•	•	•	•	•	•	•	•	•	53-63 cm	445 g
•	•	•	•	-	-	-	-	-	-	•	•	•	-	53-63 cm	415 g
•	•	•	•	-	-	-	-	-	-	•	•	•	•	53-63 cm	425 g

(1) Meets all requirements of the EN 397 standard, except the requirement for internal vertical clearance. (2) Partly meeting the CE EN 397 standard. (3) Lower strength (< 25 daN) limits risk of strangulation, by releasing if snagged when user is at ground level. (4) Higher strength (> 50 daN) limits risk of helmet coming off in a fall. (5) For VERTEX Canada version. (6) Meets all requirements of the EN 12492 standard, except the ventilation requirement.

HARNESSES

Simple to use, comfortable, with numerous accessories and technically suited to the requirements of the work they are designed for, Petzl harnesses set the standard in terms of safety and efficiency for workers at height.

To give each user the best possible fit, Petzl harnesses are adjustable at the waist, shoulders, and leg loops. They are equipped with different types of buckles:

FAST buckles
FAST buckles are fastened and unfastened quickly and easily without loss of adjustment, even when wearing gloves.
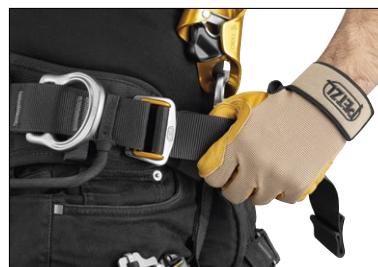
Self-locking buckles
These buckles do not require re-threading to be locked: they adjust easily in seconds.

General Purpose Harnesses

Fall-Arrest Harnesses

Fall-arrest harnesses with a simple, lightweight design.

NEWTON

NEWTON FAST

NEWTON EASYFIT

Fall-Arrest and Work-Positioning Harnesses

Fall-arrest and work-positioning harnesses that are comfortable and easily donned.

VOLT

VOLT WIND

Harnesses for Fall Arrest, Work Positioning, and Suspension

Versatile and very comfortable harnesses for fall arrest, work positioning, and suspension.

AVAO BOD
AVAO BOD FAST

AVAO SIT / AVAO SIT FAST

TOP

Specialized Harnesses

Rope Access Harnesses

Very comfortable harnesses, with integrated ventral rope clamp to facilitate ascending a rope.

ASTRO BOD FAST

ASTRO SIT FAST

TOP CROLL S

TOP CROLL L
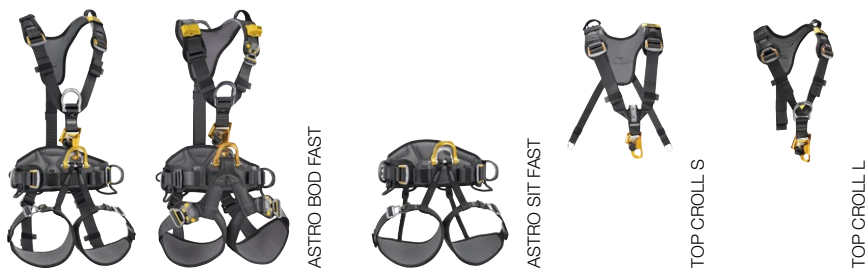
Tree Care Harnesses

Very comfortable harnesses, with attachment bridge for greater freedom of movement in the trees.

SEQUOIA SRT

SEQUOIA

Rescue Harnesses

Lightweight harnesses suitable for various rescue environments.

FALCON

FALCON ASCENT

FALCON MOUNTAIN

Evacuation Triangles and Litter

Equipment designed for rope rescue (such as in confined spaces or on cable lifts).

THALES

PITAGOR

STEF

NEST

CUSTOM

Certified to European and Russian standards, these harnesses are designed specifically for fall arrest. More specifically, they allow for the attachment of ABSORBICA energy-absorbing lanyards or an ASAP or ASAP LOCK mobile fall arrester.

• Lightweight, ergonomic design

NEWTON harnesses are designed to avoid interfering with the movement of the worker. The anatomical and lightweight design is close-fitting yet allows optimal freedom of movement.

▶ How to put on the NEWTON harness

• Easy to use

Easy to fasten and unfasten harness
The FAST LT PLUS sternal buckle allows the harness to be quickly and easily fastened and unfastened without loss of adjustment, even with gloves. The buckle's locking system limits the risk of accidental unfastening.

Ready access to tools
The equipment loops simplify tool organization, and the slots allow a TOOLBAG pouch to be added.

• Versatile

Textile sternal attachment point
Lightweight and abrasion-resistant, the textile sternal attachment point allows attachment of a fall-arrest system.

Metal dorsal attachment point
Made of anodized aluminum for high strength, the dorsal attachment point allows attachment of a fall-arrest system.

• Great simplicity
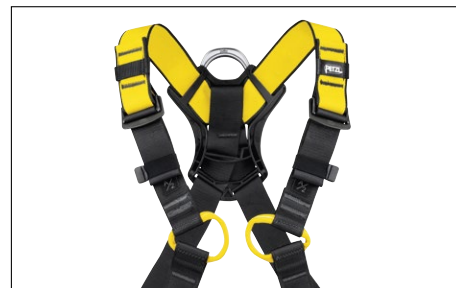
NEWTON harnesses have color-coded (yellow/black) straps allowing rapid identification of the upper and lower parts of the harness before donning.

• Quick donning

Equipped with padded shoulder straps and FAST LT buckles on the leg loops, the NEWTON FAST harness dons very easily with both feet on the ground, without loss of adjustment.

• Optimal comfort

The NEWTON EASYFIT harness is designed to keep its shape, and includes two pockets for stowing small items. The leg loops are padded and equipped with FAST LT buckles, enabling the harness to be easily donned while keeping both feet on the ground, without loss of adjustment.

NEWTON European Version

Fall-arrest harness

NEWTON is a lightweight, ergonomic fall-arrest harness. It is easy to use and its straps are color-coded to make donning easier. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch. Its textile sternal attachment point and metal dorsal attachment point provide tremendous versatility. It is certified to European and Russian standards.

NEWTON FAST European Version

Quick-donning fall-arrest harness

NEWTON FAST is a lightweight, ergonomic fall-arrest harness that can be quickly donned.
It is equipped with padded shoulder straps and FAST LT buckles on the leg loops, allowing the harness to be donned with both feet on the ground, without loss of adjustment. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch.
Its textile sternal attachment point and metal dorsal attachment point provide tremendous versatility.
It is certified to European and Russian standards.

NEWTON EASYFIT European Version

Comfortable and quick-donning fall-arrest harness

NEWTON EASYFIT is a comfortable, ergonomic fall-arrest harness that can be quickly donned.
It is equipped with padded shoulder straps and FAST LT buckles on the leg loops, allowing the harness to be donned with both feet on the ground, without loss of adjustment. Its lightweight, breathable design offers two zippered pockets for storing small items. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch. Its textile sternal attachment point and metal dorsal attachment point provide tremendous versatility.
It is certified to European and Russian standards.

Accessories

HI-VIZ Vest for NEWTON Harnesses

Fluorescent-colored vest with reflective strips makes the worker highly visible in a variety of lighting conditions. It installs quickly and easily on NEWTON, NEWTON FAST, and NEWTON EASYFIT harnesses. The sternal buckle, multiple attachment points, and lanyard connector parking all remain accessible during use for optimal freedom of movement.

Leg Loop Padding for NEWTON Harnesses

Leg loop padding that can be added to NEWTON and NEWTON FAST harnesses
to increase comfort, or used as replacement padding on NEWTON EASYFIT harnesses.

Fall-Arrest Harnesses International Version

Certified to North American, European, and Russian standards, these harnesses are designed specifically for fall arrest. More specifically, they allow for the attachment of ABSORBICA energy-absorbing lanyards or an ASAP or ASAP LOCK mobile fall arrester.

• Lightweight, ergonomic design

NEWTON harnesses are designed to avoid interfering with the movement of the worker. The anatomical and lightweight design is close-fitting yet allows optimal freedom of movement.

▶ How to put on the NEWTON harness

• Easy to use

Easy to fasten and unfasten harness
The FAST LT PLUS sternal buckle allows the harness to be quickly and easily fastened and unfastened without loss of adjustment, even with gloves. The buckle's locking system limits the risk of accidental unfastening.

Lanyard connector parking
The harnesses have a parking system for fall-arrest lanyard connectors on each shoulder strap. In the event of a fall, the system releases the MGO connector and allows the absorber to be deployed.

• Versatile
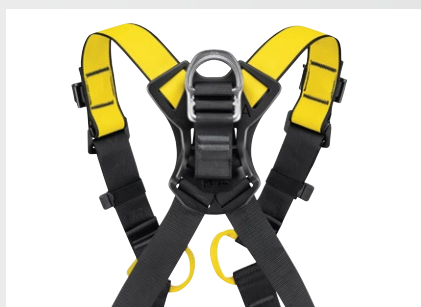
The harnesses have a metal dorsal attachment point that allows attachment of a fall-arrest system, and a textile dorsal attachment point that allows attachment of a self-retracting fall-arrest system.

• Easy harness inspection

The sternal and dorsal attachment points are equipped with visual indicators: a red tag appears after a fall to indicate that the harness must be retired.

• Great simplicity

NEWTON harnesses have color-coded (yellow/black) straps allowing rapid identification of the upper and lower parts of the harness before donning.

• Quick donning

Equipped with padded shoulder straps and FAST LT PLUS buckles on the leg loops, the NEWTON FAST harness dons very easily with both feet on the ground, without loss of adjustment.

• Optimal comfort

The NEWTON EASYFIT harness is designed to keep its shape, and includes two pockets for stowing small items. The leg loops are padded and equipped with FAST LT PLUS buckles, enabling the harness to be easily donned while keeping both feet on the ground, without loss of adjustment.

NEWTON International Version
Fall-arrest harness

NEWTON is a lightweight, ergonomic fall-arrest harness. It is easy to use and its straps are color-coded to make donning easier. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch. Its textile sternal attachment point and metal and textile dorsal attachment points provide tremendous versatility. It ergonomically stows MGO connectors and has fall indicators. It is certified to North American, European, and Russian standards.

NEWTON FAST International Version
Quick-donning fall-arrest harness

NEWTON FAST is a lightweight, ergonomic fall-arrest harness that can be quickly donned. It is equipped with padded shoulder straps and FAST LT PLUS buckles on the leg loops, allowing the harness to be donned with both feet on the ground, without loss of adjustment. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch. Its textile sternal attachment point and metal and textile dorsal attachment points provide tremendous versatility. It ergonomically stows MGO connectors and has fall indicators. It is certified to North American, European, and Russian standards.

NEWTON EASYFIT International Version
Comfortable and quick-donning fall-arrest harness

NEWTON EASYFIT is a comfortable, ergonomic fall-arrest harness that can be quickly donned. It is equipped with padded shoulder straps and FAST LT PLUS buckles on the leg loops, allowing the harness to be donned with both feet on the ground, without loss of adjustment. Its lightweight, breathable design offers two zippered pockets for storing small items. The harness allows immediate access to tools, with equipment loops and slots for the TOOLBAG pouch. Its textile sternal attachment point and metal and textile dorsal attachment points provide tremendous versatility. It ergonomically stows MGO connectors and has fall indicators. It is certified to North American, European, and Russian standards.

Accessories

HI-VIZ Vest for NEWTON Harnesses

Fluorescent-colored vest with reflective strips makes the worker highly visible in a variety of lighting conditions. It installs quickly and easily on NEWTON, NEWTON FAST, and NEWTON EASYFIT harnesses. The sternal buckle, multiple attachment points, and lanyard connector parking all remain accessible during use for optimal freedom of movement.

Leg Loop Padding for NEWTON Harnesses

Leg loop padding that can be added to NEWTON and NEWTON FAST harnesses to increase comfort, or used as replacement padding on NEWTON EASYFIT harnesses.

Fall-Arrest and Work-Positioning Harnesses

These harnesses help provide fall protection for the worker and enable them to position themselves at a workstation, with a GRILLON lanyard, for example. Additionally, they are specifically designed to facilitate vertical progression on a rail or cable (European versions only).

• Quick and easy donning

VOLT and VOLT WIND harnesses are very quick to don. The waistbelt and leg loops are equipped with FAST LT PLUS/FAST LT buckles, allowing the harness to be easily donned while keeping both feet on the ground.

• Optimal comfort

Comfortable work positioning
The wide, semi-rigid waistbelt and leg loops provide excellent support. The lightweight, breathable construction maximizes air flow.

Ventral attachment point suitable for vertical progression on a rail or cable
The LADDER CLIMB attachment point allows for ventral attachment of the fall-arrest trolley, which distributes the load on the waistbelt, providing optimal comfort. In the event of a fall, the attachment point automatically moves upward to a sternal position to help keep the body in a vertical post-fall position (only on European versions).
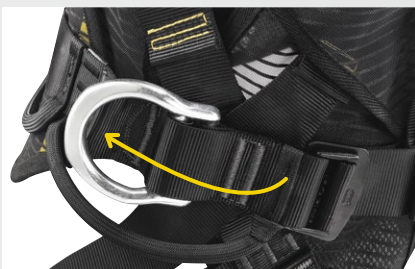
Folding side attachment points
Side attachment points can be folded down to prevent them snagging accidentally when not in use.

• Easy to use
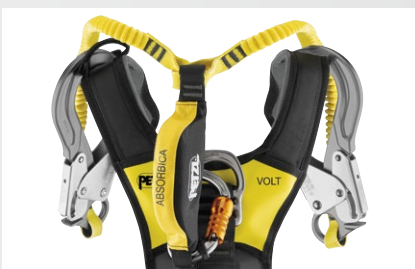
The harnesses have a parking system for the MGO connectors on fall-arrest lanyards on each shoulder strap. In the event of a fall, the system releases the MGO connectors and allows the absorber to be deployed.

• For work on towers and antennas

VOLT harnesses have a wide waistbelt with equipment loops on the back for easy organization of work tools.

• For work inside wind turbine towers

VOLT WIND harnesses have dorsal wear protectors to reduce wear on the straps when moving about inside a wind turbine tower.

► VOLT harnesses

VOLT® European version

Fall-arrest and work-positioning harness with attachment point for vertical progression on rail or cable

The VOLT fall-arrest and work-positioning harness is very quick to don, thanks to the FAST LT PLUS and FAST LT buckles that allow it to be donned with both feet on the ground. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. Its LADDER CLIMB attachment point allows for ventral attachment of the fall-arrest trolley, providing optimal comfort during progression. It is certified to European and Russian standards.

VOLT® International Version

Fall-arrest and work-positioning harness

The VOLT fall-arrest and work-positioning harness is very quick to don, thanks to the FAST LT PLUS buckles that allow it to be donned with both feet on the ground. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. It features a textile dorsal attachment point designed for connecting a self-retracting fall-arrest system. It is certified to North American and European standards.

► VOLT WIND harnesses

VOLT® WIND European Version

Fall-arrest and work-positioning harness for the wind power industry with attachment point for vertical progression on rail or cable

The VOLT WIND fall-arrest and work-positioning harness is very quick to don, thanks to the FAST LT PLUS and FAST LT buckles that allow it to be donned with both feet on the ground. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. Its LADDER CLIMB attachment point allows for ventral attachment of the fall-arrest trolley, providing optimal comfort during progression. It has wear protectors on the waistbelt and dorsal point to limit wear when moving about inside the wind turbine tower. It is certified to European and Russian standards.

VOLT® WIND International Version

Fall-arrest and work-positioning harness for the wind power industry

The VOLT WIND fall-arrest and work-positioning harness is very quick to put on, thanks to the FAST LT PLUS buckles that allow it to be donned with both feet on the ground. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. It features a textile dorsal attachment point designed for connecting a self-retracting fall-arrest system. It has wear protectors on the waistbelt and dorsal point to limit wear when moving about inside the wind turbine tower. It is certified to North American and European standards.

Accessory

► How to install the VOLT seat

Seat for VOLT® Harnesses

Seat for VOLT harnesses for greater comfort while suspended

The seat for the VOLT harness attaches to the designated slots on the harness. It provides additional comfort during prolonged suspension.

Harnesses for Fall Arrest, Work Positioning, and Suspension

These harnesses are used for fall protection, for positioning at a workstation, and for working comfortably while suspended.

• Comfortable construction

The wide, semi-rigid waistbelt and leg loops provide excellent support. The lightweight, breathable construction maximizes air flow.

• Convenient buckle system

Easy to adjust
The AVAO harnesses can 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.

Available in easier donning version
The leg loops of AVAO harnesses are equipped with FAST / FAST LT buckles that facilitate donning the harness with both feet on the ground or with large footwear, without loss of adjustment, even when wearing gloves.

• Efficiently organize work 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 slots designed for the CARITOOL tool holder and the TOOLBAG tool pouch.

• Lanyard connector parking
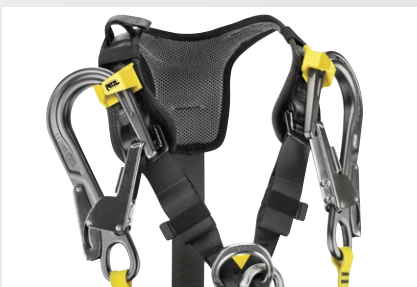
The harnesses have a parking system for fall-arrest lanyard connectors on each shoulder strap. In the event of a fall, the system releases the MGO connector and allows the absorber to be deployed.

• A complete solution, with dorsal attachment point

The AVAO BOD and AVAO BOD FAST full-body harnesses are equipped with a dorsal attachment point for connecting a fall-arrest system. In the event of a fall on this attachment point, a shorter adjustment of the length between the waistbelt and the leg loops means the load is taken up on the leg loops, allowing the user to remain suspended longer while awaiting rescue.

• A lightweight and modular solution
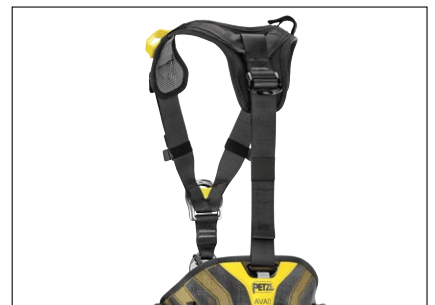
Combining a sit harness with a separate chest harness is a more lightweight solution if the user does not need a dorsal attachment point. It is also a solution for hard-to-fit body types, as it allows users to combine different seat and chest harness sizes.

AVAO® BOD / AVAO® BOD FAST European Version
Comfortable harness for fall arrest, work positioning, and suspension
The AVAO BOD fall-arrest, work-positioning, and suspension harness is designed for greater comfort in a variety of different situations. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. The shoulder straps have a system for stowing the fall-arrest lanyard connectors and keeping them within reach. The DOUBLEBACK self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. The harness is fastened with a SCREW-LOCK manual locking carabiner and is certified to European and Russian standards. AVAO BOD features leg loops with DOUBLEBACK self-locking buckles; AVAO BOD FAST has leg loops with FAST LT buckles.

AVAO® BOD / AVAO® BOD FAST International Version
Comfortable harness for fall arrest, work positioning, and suspension
The AVAO BOD fall-arrest, work-positioning, and suspension harness is designed for greater comfort in a variety of different situations. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. The shoulder straps have a system for stowing the fall-arrest lanyard connectors and keeping them within reach. The DOUBLEBACK self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. The harness has an integrated fall indicator on the dorsal attachment point and is fastened with a TRIACT-LOCK automatic locking carabiner. It is certified to North American and European standards. AVAO BOD features leg loops with DOUBLEBACK self-locking buckles; AVAO BOD FAST has leg loops with FAST buckles.

TOP
Chest harness for sit harness
The TOP chest harness transforms AVAO SIT, AVAO SIT FAST, FALCON, FALCON MOUNTAIN, and SEQUOIA SRT sit harnesses into fall-arrest harnesses. The padded shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is loaded, the straps help distribute the load over the shoulders. They also have a system for stowing the fall-arrest lanyard connectors and keeping them within reach.

AVAO® SIT / AVAO® SIT FAST
Comfortable sit harness for work positioning and suspension
The AVAO SIT work positioning and suspension sit harness is designed for greater comfort in a variety of situations. The wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. This sit harness is designed to be converted into a fall-arrest harness when combined with a TOP chest harness, or into a rope access harness when combined with a TOP CROLL S or L chest harness. The AVAO SIT leg loops have DOUBLEBACK self-locking buckles; AVAO SIT FAST leg loops have FAST LT buckles.

CUSTOM

Rope Access Harnesses

Designed for rope access, these harnesses allow the worker to be protected in the event of a fall and to position themselves at the workstation. The gated ventral attachment point facilitates rope ascents and makes working while suspended more comfortable.

• Efficiently integrate equipment

The gated attachment point allows the user to connect:
- CROLL ventral rope clamp on the ventral point for greater efficiency on rope ascents
- PROGRESS lanyard directly on the ventral attachment point
- PODIUM seat on the axle of the attachment point, allowing the load to be supported directly by the descender, while offering mobility at the ventral attachment point

• Efficiently organize work tools

ASTRO 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 slots designed for the CARITOOL tool holder and the TOOLBAG tool pouch.

• Ultra-comfortable design

The waistbelt and the leg loops of ASTRO harnesses are semi-rigid and wide in order to limit pressure points and provide effective support. These two zones are sculpted and lined with breathable foam padding for optimal comfort while suspended, and for good ventilation. This construction also facilitates harness donning.

• Convenient buckle system

Easy to don
The leg loops of ASTRO harnesses are equipped with FAST / FAST LT buckles that facilitate donning the harness with both feet on the ground or with large footwear, without loss of adjustment, even when wearing gloves.
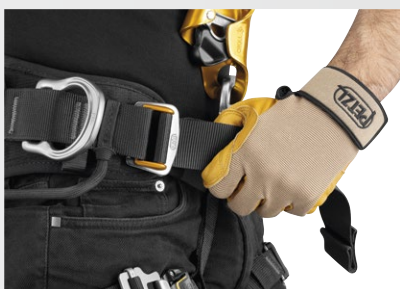
Easy to adjust
The waistbelt and shoulder straps are equipped with self-locking DOUBLEBACK / DOUBLEBACK PLUS buckles for quick and easy adjustment.

• A complete solution, with dorsal attachment point

ASTRO BOD FAST full-body harnesses are equipped with a dorsal attachment point for attaching a fall-arrest system. In the event of a fall on this attachment point, a shorter adjustment of the length between the waistbelt and the leg loops means the load is taken up on the leg loops, allowing the user to remain suspended longer while awaiting rescue.

• A lightweight and modular solution

Combining a sit harness with a separate chest harness is a more lightweight solution if the user does not need a dorsal attachment point. It is also a solution for hard-to-fit body types, as it allows users to combine different seat and chest harness sizes.

▶ ASTRO harnesses

ASTRO® BOD FAST European Version
Ultra-comfortable rope access harness
With an integrated CROLL L ventral rope clamp, the ASTRO BOD FAST harness is designed for greater efficiency and comfort during rope ascents. The gated ventral attachment point allows you to efficiently integrate equipment (such as rope clamp, lanyard, or seat). The wide, semi-rigid waistbelt and leg loops provide excellent support. They are contoured and lined with breathable foam padding for comfort while suspended. The DOUBLEBACK self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. It is certified to European and Russian standards. The ASTRO BOD FAST (European version) features leg loops with FAST LT buckles.

ASTRO® BOD FAST International Version
Ultra-comfortable rope access harness
With an integrated CROLL L ventral rope clamp, the ASTRO BOD FAST harness is designed for greater efficiency and comfort during rope ascents. The gated ventral attachment point allows you to efficiently integrate equipment (such as rope clamp or seat). The wide, semi-rigid waistbelt and leg loops provide excellent support. They are contoured and lined with breathable foam padding for comfort while suspended. The DOUBLEBACK self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. It has a fall indicator on the dorsal attachment point and is certified to North American and European standards. ASTRO BOD FAST (international version) features leg loops with FAST buckles.

TOP CROLL® S
Chest harness for sit harness, with integrated CROLL S ventral rope clamp
The TOP CROLL S integrates a CROLL S ventral rope clamp to transform ASTRO SIT FAST, AVAO SIT, AVAO SIT FAST, FALCON, FALCON ASCENT, and SEQUOIA SRT harnesses into rope access harnesses. The textile sternal attachment point optimally reduces weight and bulk. The padded shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is loaded, the straps help distribute the load over the shoulders. The rear connections on each side of the waistbelt offer excellent stability.

TOP CROLL® L
Chest harness for sit harness, with integrated CROLL L ventral rope clamp
The TOP CROLL L integrates a CROLL L ventral rope clamp to transform ASTRO SIT FAST, AVAO SIT, AVAO SIT FAST, FALCON, FALCON ASCENT and SEQUOIA SRT harnesses into rope access harnesses. The padded shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is loaded, the straps help distribute the load over the shoulders.

ASTRO® SIT FAST
Ultra-comfortable sit harness for rope access
The ASTRO SIT FAST rope access sit harness features a gated ventral attachment point that allows you to efficiently integrate equipment (such as rope clamp, lanyard, or seat). The wide, semi-rigid waistbelt and leg loops provide excellent support. They are contoured and lined with breathable foam padding for comfort while suspended. The harness also makes it easier to carry and organize work tools, with multiple gear loops and slots for attaching CARITOOL tool holders and TOOLBAG tool pouches. This sit harness is designed to be converted into a full-body harness when combined with a TOP CROLL S or L chest harness. The ASTRO SIT FAST features leg loops with FAST LT buckles.

Accessory

PODIUM
Seat for prolonged suspension
The PODIUM provides optimal comfort during prolonged suspension. The wide seat offers excellent stability. Rigid sides prevent the webbing straps from cutting into the thighs. The easy-to-use seat has two gear loops and a rear hook, making it easier to store in order to facilitate movement. It connects to ASTRO BOD FAST and ASTRO SIT FAST harnesses with two shackles (find a description of the shackles on page 43).

Tree Care Harnesses

These harnesses are designed for arborists: they allow great mobility in the tree and optimally distribute the load between the waistbelt and the leg loops. They also provide excellent lumbar support in the many work phases where the arborist has their weight on the harness.

• Comfortable

The semi-rigid, extra-wide waistbelt provides excellent support for the user. It is also sculpted and lined with foam padding for improved comfort while suspended.

• Ergonomic

Gated attachment points

The gated attachment points facilitate connection of a ZILLON or MICROFLIP lanyard. They also allow installation of several attachment bridges (adjustable or fixed), as well as accessories like RING attachment rings or SWIVELs, directly on the attachment bridge.

Easy to don

The leg loops of SEQUOIA harnesses are equipped with FAST LT PLUS buckles that facilitate donning the harness with both feet on the ground or with large footwear, without loss of adjustment, even when wearing gloves.

• Accessories

Accessories for the SEQUOIA line of harnesses allow each user to adapt the equipment to their needs.

CARITOOL

TOOLBAG

First aid kit

Seat

Shoulder straps (SEQUOIA SRT)

Adjustable Attachment Bridge

Attachment Bridge

RING   Shackles

SWIVEL
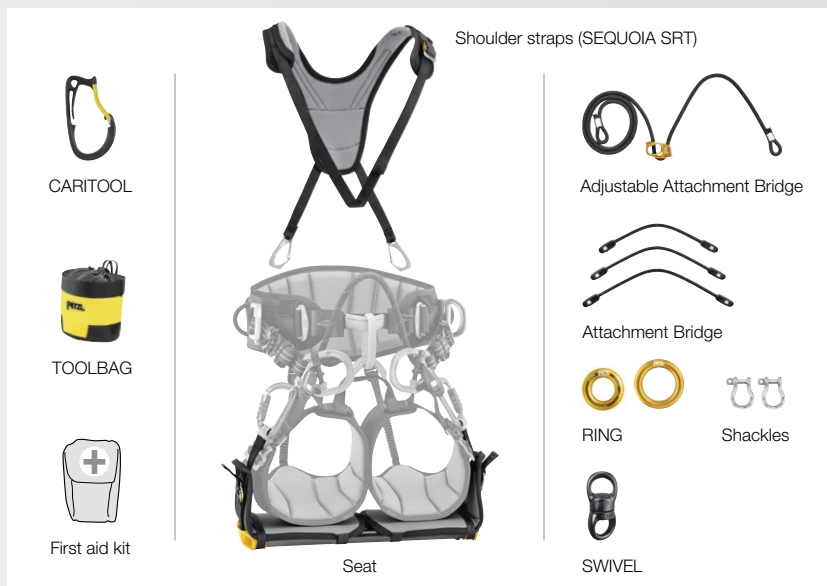
• For single rope ascent techniques

The SEQUOIA SRT features a ventral attachment point for installing a ZIGZAG mechanical Prusik with the CHICANE and KNEE ASCENT accessories.

• For doubled rope ascent techniques

The SEQUOIA harness waistbelt is equipped with a FAST buckle for quick and simple fastening and unfastening without loss of adjustment, even while wearing gloves.

► SEQUOIA SRT harnesses

SEQUOIA® SRT
Tree care sit harness for single-rope ascent techniques
The SEQUOIA SRT is a tree care sit harness for single rope ascent techniques. It has a ventral attachment point that allows a ZIGZAG or ZIGZAG PLUS mechanical Prusik to be installed with CHICANE and KNEE ASCENT accessories. The extra-wide, semi-rigid waistbelt and leg loops provide comfort for the arborist. It is equipped with DOUBLEBACK PLUS self-locking buckles on the waistbelt and FAST LT PLUS buckles on the leg loops. The gated attachment points allow the user to easily connect a ZILLON or MICROFLIP lanyard, or to install several attachment bridges and accessories directly on the bridge. The harness also makes it easy to carry and organize work tools, with multiple equipment loops and slots for attaching CARITOOL tool holders.

SEQUOIA®
Tree care sit harness for doubled rope ascent techniques
The SEQUOIA is a tree care sit harness for doubled rope ascent techniques. The extra-wide, semi-rigid waistbelt and leg loops provide comfort for the arborist. The waistbelt is equipped with a FAST buckle for quick and easy fastening and unfastening without loss of adjustment, even while wearing gloves. The leg loops have FAST LT PLUS buckles. The gated attachment points allow the user to easily connect a ZILLON or MICROFLIP lanyard, or to install several attachment bridges and accessories directly on the bridge. The harness also makes it easy to carry and organize work tools, with multiple equipment loops and slots for attaching CARITOOL tool holders.

Accessories

Shoulder Straps (Only for SEQUOIA® SRT)
Shoulder straps for SEQUOIA SRT sit harness designed for taking the load from the waistbelt and redistributing it to the shoulders for improved comfort. They connect to the ventral attachment point of the harness and to the two slots at the rear of the waistbelt.

Seat
Wide seat for a comfortable working position while suspended. The width is adjustable, reducing bulk and making it easier to move within the tree. It connects to the two gated points on the SEQUOIA and SEQUOIA SRT arborist sit harnesses, using the two shackles.

Adjustable Attachment Bridge
Adjustable attachment bridge for SEQUOIA and SEQUOIA SRT harnesses allows quick and precise adjustment of the position of progression tools installed on the bridge.

Attachment Bridge
Attachment bridge for connection to the two gated attachment points of the SEQUOIA and SEQUOIA SRT arborist sit harnesses, to optimize lateral mobility.

RING
The RING connection ring can be used to create multiple anchors or be installed directly onto the SEQUOIA and SEQUOIA SRT harnesses' attachment bridges to improve the arborist's lateral mobility.

Shackles
Shackles for connecting a seat. Find a description of the shackles on page 43.

Rescue Harnesses

Designed for rescuers, these harnesses are lightweight for increased mobility and rapid movement during operations. Having the choice between several different models allows you to choose the best fit for different environments that may be encountered in the field.

• Comfortable, lightweight design

Comfortable, lightweight design
The semi-rigid and slim waistbelt and leg loops with 3D foam padding provide the range of FALCON harnesses with an optimal comfort-to-weight ratio to limit bulk.

Compact side attachment points
The textile side attachment points on harnesses in the FALCON range are designed for occasional use and limit bulk and weight.

• Ergonomic

Easy to adjust
The FALCON and FALCON ASCENT harnesses feature DOUBLEBACK PLUS self-locking buckles on the waistbelt and FAST LT buckles on the leg loops, making them quick and easy to put on and adjust.

• Efficiently organize equipment and work tools

Equipment loops and slots
The range of FALCON harnesses feature equipment loops on the sides and at the rear of the waistbelt. Each harness also has slots designed for the CARITOOL tool holder and the TOOLBAG tool pouch.

• For working while suspended

The metal ventral attachment point on the FALCON harness distributes the load between the waistbelt and the leg loops while suspended.

• For efficiency when ascending a rope

The two-part ventral attachment point of the FALCON ASCENT harness increases the efficiency of rope ascents when using a CROLL ventral rope clamp.

• For operations using climbing techniques

The textile bridge construction of the FALCON MOUNTAIN harness favors progression with climbing techniques and makes it comfortable to walk in.

► FALCON harnesses

FALCON
Lightweight sit harness for suspended rescue
FALCON is a lightweight sit harness designed for rescue operations involving suspension.
The metal ventral attachment point distributes the load between the waistbelt and leg loops.
The design is lightweight and comfortable, joining the slim, semi-rigid waistbelt and leg loops with 3D foam padding. It provides optimal balance between low weight and comfort, as well as reduced bulk, when you're standing, moving, or hanging. The DOUBLEBACK PLUS self-locking buckles on the waistbelt and the FAST LT buckles on the leg loops make it quick and easy to put on and adjust.
The rear loop allows a TOP or TOP CROLL L chest harness to be attached.

FALCON ASCENT
Lightweight and comfortable sit harness for rescue operations and work involving rope ascent
FALCON ASCENT is a lightweight sit harness designed for rescue operations and work involving rope ascent. The two-part ventral attachment point fastens with an OMNI carabiner and provides greater efficiency when ascending a rope. The design is lightweight and comfortable, joining the slim, semi-rigid waistbelt and leg loops with 3D foam padding, which provides optimal balance between low weight and comfort, as well as reduced bulk. The DOUBLEBACK PLUS self-locking buckles on the waistbelt and the FAST LT buckles on the leg loops make it quick and easy to put on and adjust.
The rear loop allows a TOP CROLL L chest harness to be attached.

FALCON MOUNTAIN
Ultra-lightweight and comfortable sit harness for rescue operations that involve climbing techniques
FALCON MOUNTAIN is an ultra-lightweight sit harness designed for rescue operations that involve climbing techniques. Its ventral attachment point has a textile bridge for mobility when progressing and comfort when walking. The design is very lightweight and comfortable, joining the slim, semi-rigid waistbelt and leg loops with 3D foam padding, which provides an optimal balance between low weight and comfort, as well as reduced bulk. The DOUBLEBACK self-locking buckles on the waistbelt and leg loops make it quick and easy to put on and adjust. The rear plastic loop allows a TOP or TOP CROLL L chest harness to be attached.

Accessory

CHEST'AIR
Chest harness for sit harnesses
The CHEST'AIR chest harness transforms the FALCON, FALCON MOUNTAIN, AVAO SIT, and SEQUOIA SRT sit harnesses into fall-arrest harnesses. With multiple certifications, CHEST'AIR can be attached to a climbing or mountaineering harness to keep a victim upright during a rescue. It simply connects to the ventral attachment point of the sit harness and fastens via the FAST LT buckle at the chest, for quick donning. It adapts easily to different body types with its DOUBLEBACK PLUS self-locking buckles on the shoulder straps and ventral strap. Made with 3D foam padding, the CHEST'AIR chest harness provides additional comfort while hanging.

CUSTOM

Evacuation Triangles and Litter

Evacuation Triangles

Evacuation triangles are mainly used for rescue on cable lifts and by firefighters.
They allow unequipped people to be evacuated in minimal time.

THALES
Safety chest collar and comfortable evacuation triangle with shoulder straps
The THALES safety chest collar and evacuation triangle is designed for rescue operations, cable lift evacuations, and helicopter evacuations. The chest collar configuration allows the evacuee to be secured in an emergency and then evacuated with the triangle. Passing from the chest collar configuration to the triangle configuration is quick with the use of three hook and loop straps. The ergonomic shape of the seat and the presence of shoulder straps makes suspension more comfortable than with a classic evacuation triangle. Color-coding differentiates the back and seat, as well as the different straps and closure system, making it easier to put on the evacuee. The high-strength TPU tarp material allows regular to intensive use.

PITAGOR
Comfortable evacuation triangle with shoulder straps
The PITAGOR evacuation triangle is designed for rescue operations and cable lift evacuations. The ergonomic shape of the seat and the presence of shoulder straps makes suspension more comfortable than with a classic evacuation triangle. Color-coding differentiates the back and seat, as well as the closure system, making it easier to put on the evacuee. The high-strength TPU tarp material allows regular to intensive use.

Rescue Litter

STEF

NEST

STEF
Tilting device for NEST litter
The STEF tilting device joins the three connection points of the NEST litter and allows it to be easily tilted according to the terrain. It has three Am'D TRIACT-LOCK connectors for automatic locking of the connection points, and a swivel for precise orientation of the litter.

NEST
Litter for confined spaces
The NEST litter was developed in partnership with the French national caving rescue organization. It allows a victim to be transported horizontally, vertically, or at an angle. It handles easily and simplifies loading the victim. It is suitable for technical rope rescue, particularly in confined spaces.

Bag for NEST Litter
The bag for the NEST litter allows it to be transported and stored. The openings at either end allow the handles of the litter to protrude, for easier handling. It is equipped with three handles and a bandolier system for easier transport.

RING2RING
Rigid double ring for sit harnesses with textile bridges
Specifically designed to be used on sit harnesses with textile bridges, the RING2RING accessory is primarily for use during helicopter rescue. It functions as a second attachment ring in addition to the textile loop, allowing the rescuer to better organize their equipment at the ventral attachment point and making it easier for the winch operator to access the connection point when connecting the rescuer.

RING2SIDE
Accessory that allows you to convert a textile lateral attachment point into a metal attachment point
The RING2SIDE accessory allows you to convert a textile lateral attachment point into a metal attachment point on the FALCON and FALCON ASCENT harnesses. Its large ring and intuitive clipping orientation makes it easier to attach equipment. It can also be folded down to avoid being snagged when not in use.

LIFT
Spreader for harnesses
Spreader for full-body harnesses or sit harnesses used in conjunction with a chest harness, allowing upright descent (for confined spaces).

▶ Installing and uninstalling the CARITOOL

CARITOOL
Harness tool holder
The CARITOOL tool holder provides one-handed tool access and storage. The stabilizing clip allows it to slip onto the harness straps and stay in place. The gate has a protective feature that limits accidental snagging. It is available in two sizes.

RING OPEN
Multidirectional gated ring
See page 58 for details on the RING OPEN gated ring.

Shackles
Shackles for connecting a seat. Connects to the gated attachment point on a harness, allowing you to efficiently integrate equipment.

Lanyard Connector Parking
Lanyard connector parking accessory (pack of 2)
Lanyard connector parking accessories install on the shoulder straps of VOLT, VOLT WIND, AVAO BOD, AVAO BOD FAST, and ASTRO BOD FAST harnesses and TOP, TOP CROLL S, and TOP CROLL L chest harnesses. They allow the MGO connectors on fall-arrest lanyards to be stowed on each shoulder strap, keeping the connectors within reach and the lanyard out of the user's way. In the event of a fall, the system releases the MGO connectors and allows the absorber to be deployed.

PORTO
Webbing equipment loop
Webbing equipment loop that attaches to a pack's internal loop for organizing equipment.

BOLTBAG
Equipment pouch
Equipment pouch for organizing a hammer, bolting gear, and other equipment. It has two pockets and exterior holster.

Harness Accessories

Petzl offers a complete solution that secures equipment when working at height to help prevent tools from being dropped. These products were designed in accordance to the ANSI/ISEA 121-2018 standard for dropped object prevention solutions.

▶ Petzl Dropped Tool Prevention Solution

INTERFAST + TOOLEASH + TOOLINK S & TOOLTAPE or TOOLINK M or TOOLINK L

• TOOLINK S & TOOLTAPE
for tools up to 2.3 kg

INTERFAST

TOOLINK S & TOOLTAPE

TOOLEASH

TOOLBAG

• TOOLINK M
for tools up to 3 kg

TOOLINK M

TOOLEASH

• TOOLINK L
for tools up to 5 kg

TOOLINK L

TOOLEASH

General Purpose Harnesses

NEWTON	NEWTON	C073AA01	CE EN 361 EAC UKCA JSFAD	C073BA01	ANSI Z359.11 CSA Z259.10 CE EN 361 EAC UKCA JSFAD XF 494 Type III GB 6095
		C073AA02		C073BA02	
	NEWTON FAST	C073CA01		C073DA01 C073IA00 (1)	
		C073CA02		C073DA02 C073IA01 (1)	
	NEWTON EASYFIT	C073EA00		C073FA00	
		C073EA01		C073FA01	
		C073EA02		C073FA02	
		C073GA00 ◼	CE EN 20471 ANSI 107 CSA Z96 UKCA	-	-
		C073HA00 ◼			
		C073JA00	-	-	-
VOLT	VOLT	C072AA00	CE EN 361, EN 358, EN 813 EAC UKCA JSFAD	C072CA00	ANSI Z359.11 CSA Z259.10 CE EN 361, EN 358 UKCA JSFAD
		C072AA01		C072CA01	
		C072AA02		C072CA02	
	VOLT WIND	C072BA00		C072DA00	
		C072BA01		C072DA01	
		C072BA02		C072DA02	
		C072EA00	CE EN 358 (3) UKCA (3)	-	ANSI Z359.11 (6) CSA Z259.10 (6) UKCA (3)
AVAO BOD	AVAO BOD	C071AA00	CE EN 361, EN 358, EN 813 EAC UKCA JSFAD	C071CA00	ANSI Z359.11 NFPA 2500 class III CSA Z259.10 CE EN 361, EN 358, EN 813 UKCA GB 6095
		C071AA01		C071CA01	
		C071AA02		C071CA02	
	AVAO BOD FAST	C071BA00 C071BA03 (1)		C071DA00 C071DA03 (1)	
		C071BA01 C071BA04 (1)		C071DA01 C071DA04 (1)	
		C071BA02 C071BA05 (1)		C071DA02 C071DA05 (1)	
TOP		C081AA00 C081AA01 (1)	CE EN 361 (2) EAC UKCA	-	-
AVAO SIT	AVAO SIT	C079AA00 C079AA02 (1)	CE EN 358, EN 813 EAC UKCA	-	-
		C079AA01 C079AA03 (1)			
	AVAO SIT FAST	C079BA00			
		C079BA01			
		C079BA02			

●	●	-	-	1	70 - 93 cm	47 - 62 cm	165 - 185 cm	900 g 1125 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	900 g 1155 g (4)
●	●	-	-	1	70 - 93 cm	47 - 62 cm	165 - 185 cm	1010 g 1355 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	1050 g 1395 g (4)
●	●	-	-	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	1310 g 1655 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	1370 g 1715 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	1420 g 1765 g (4)
-	-	-	-	-	-	-	-	380 g
-	-	-	-	-	-	-	-	70 g
●	●	● (5)	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	2100 g 2300 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	2150 g 2350 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	2230 g 2430 g (4)
●	●	● (5)	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	2150 g 2350 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	2200 g 2400 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	2280 g 2480 g (4)
-	-	-	-	-	-	-	-	1050 g
●	●	●	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	2045 g 2215 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	2090 g 2260 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	2170 g 2340 g (4)
●	●	●	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	2000 g 2350 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	2045 g 2400 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	2125 g 2485 g (4)
-	●	-	-	-	-	-	160 - 200 cm	660 g
-	-	●	●	1	70 - 93 cm	47 - 62 cm	165 - 185 cm	1175 g
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	1190 g
-	-	●	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	1115 g
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	1130 g
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	1145 g

(1) Black harness, (2) with AVAO SIT, FALCON, FALCON MOUNTAIN, SEQUOIA SRT sit harnesses, (3) with VOLT harnesses, (4) weight of international version, (5) on European versions, (6) depending on the VOLT harness used.

Specialized Harnesses

ASTRO BOD FAST		C083AA00	CE EN 361, EN 358, EN 813 EAC UKCA JSFAD	C083BA00 C083BA03 (1)	ANSI Z359.11, ANSI Z459.1 NFPA 2500 class III CSA Z259.10 CE EN 361, EN 358, EN 813 UKCA, JSFAD XF 494 Type III, GB 6095
		C083AA01		C083BA01 C083BA04 (1)	
		C083AA02		C083BA02 C083BA05 (1)	
TOP CROLL S		C081BA00	CE EN 361 (2) EN 12841 type B EAC, UKCA, JSFAD	-	-
TOP CROLL L		C081CA00	CE EN 361 (2) EN 12841 type B EAC, UKCA, JSFAD	-	-
ASTRO SIT FAST		C085AA00	CE EN 358, EN 813 EAC UKCA	-	-
		C085AA01			
		C085AA02			
PODIUM		S071AA00	-	-	-
SEQUOIA	SEQUOIA SRT	C069BA00	CE EN 358, EN 813 EAC UKCA	-	-
		C069BA01			
		C069BA02			
	SEQUOIA	C069AA00		-	GB 6095
		C069AA01			
		C069AA02			
		C069DA00	-	-	-
		S069AA00	-	-	-
		C69R	-	-	-
	40 cm	C069CA00	-	-	-
	45 cm	C069CA01			
	50 cm	C069CA02			
FALCON	FALCON	C038DA02 (1)	CE EN 813, EN 358 EAC, UKCA ASTM F1772	-	-
		C038DA00 / C038DA03 (1)			
		C038DA01 / C038DA04 (1)			
	FALCON ASCENT	C038EA00	CE EN 813, EN 358 EAC, UKCA ASTM F1772	-	-
		C038EA01			
	FALCON MOUNTAIN	C038FA00	CE EN 813, EN 358 EN 12277 type C EAC, UKCA, ASTM F1772	-	-
		C038FA01			
CHEST'AIR		C098AA00	CE EN 361 (3), EN 12277 type D EAC, UKCA	-	-
THALES		C061AA00	CE EN 1497, EN 1498 types A & B, EASA CM-CS-005, UKCA	-	-
PITAGOR		C060AA00	CE EN 1497 EN 1498 type B EASA CM-CS-005, UKCA	-	-
NEST		S061AA00	-	-	-
STEF		S059AA00 / S059BA00 (5)	-	-	-
		S062AA00	-	-	-

RING2RING	C030AA00	CE EN 362 type M, EN 12275 type Q, UKCA, EAC	-	100 g
RING2SIDE	C030BA00	CE EN 362 type M, UKCA, EAC	-	75 g
LIFT	L54	CE, UKCA	-	520 g
CARITOOL S	P042AA00	-	-	35 g
CARITOOL L	P042AA01			75 g
RING OPEN	P28, M028AA00	CE EN 362, UKCA	-	70 g
	C087AA00	-	-	20 g
	C088AA00	-		45 g
	C088AA01			
PORTO	C33	-	-	18 g
BOLTBAG	C11 A	-	-	170 g

				Size	Waist	Thigh	Height	Weight
●	●	●	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	2020 g / 2480 g (4)
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	2065 g / 2530 g (4)
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	2145 g / 2620 g (4)
-	●	-	-	-	-	-	160 - 200 cm	515 g
-	●	-	-	-	-	-	160 - 200 cm	600 g
-	-	●	●	0	65 - 80 cm	44 - 59 cm	160 - 180 cm	1135 g
				1	70 - 93 cm	47 - 62 cm	165 - 185 cm	1150 g
				2	83 - 120 cm	50 - 65 cm	175 - 200 cm	1165 g
-	-	-	-	-	-	-	-	1060 g
-	-	●	●	0	65 - 80 cm	44 - 59 cm	-	1580 g
				1	70 - 93 cm	47 - 62 cm	-	1630 g
				2	83 - 120 cm	50 - 65 cm	-	1700 g
-	-	-	●	0	65 - 80 cm	44 - 59 cm	-	1480 g
				1	70 - 93 cm	47 - 62 cm	-	1530 g
				2	83 - 120 cm	50 - 65 cm	-	1600 g
-	-	-	-	-	-	-	-	190 g
-	-	-	-	-	-	-	-	920 g
-	-	-	-	-	-	-	-	220 g
-	-	-	-	S	-	-	-	65 g
				M				70 g
				L				75 g
-	-	●	●	0	65 - 80 cm	44 - 59 cm	-	900 g
				1	70 - 93 cm	47 - 62 cm	-	915 g
				2	83 - 120 cm	50 - 65 cm	-	945 g
-	-	●	●	1	70 - 93 cm	47 - 62 cm	-	800 g
				2	83 - 120 cm	50 - 65 cm	-	830 g
-	-	●	●	1	70 - 93 cm	47 - 62 cm	-	670 g
				2	83 - 120 cm	50 - 65 cm	-	700 g
-	●	-	-	-	-	-	-	525 g
-	-	-	-	-	-	-	-	1315 g
-	-	-	-	-	-	-	-	1300 g
-	-	-	-	-	-	-	-	13,1 kg
-	-	-	-	-	-	-	-	640 g / 620 g (5)
-	-	-	-	-	-	-	-	1860 g

TOOLBAG 1.5	S047BA00		1,5 l	100 g
TOOLBAG 3	S047BA01		3 l	140 g
TOOLBAG 6	S047BA02		6 l	245 g
INTERFAST	S051AA00	ANSI/ISEA 121-2018	-	55 g
TOOLEASH	S049AA00		-	56 g
TOOLINK S & TOOLTAPE	S050AA00		-	8 g
TOOLINK M	S050BA00		-	11 g
TOOLINK L	S050CA00		-	16 g

(1) Black harness, (2) with ASTRO SIT FAST, AVAO SIT, AVAO SIT FAST, FALCON, FALCON ASCENT, SEQUOIA SRT harnesses,
(3) with FALCON, FALCON MOUNTAIN, AVAO SIT, SEQUOIA SRT harnesses, (4) international version, (5) for NEST litter before 2020.

LANYARDS AND ENERGY ABSORBERS

Whether for work positioning or to have an energy absorber that limits the force transmitted to the user in the event of a fall, Petzl offers a complete line of lanyards for different applications.

Depending on the model, the ends of Petzl lanyards are equipped with plastic sheaths or with a STRING. These items help keep the connector positioned on the major axis and make it easier to clip. They also protect the ends from abrasion due to repeated rubbing.

Plastic sheath

STRING

General Purpose Lanyards

Work-Positioning Lanyards

Adjustable lanyards with ergonomic handle allow comfortable positioning at a workstation.

GRILLON

GRILLON PLUS

GRILLON HOOK
European Version

GRILLON HOOK
International Version

GRILLON MGO

Fall-Arrest Lanyards

Lanyards with an energy absorber, used when there is a fall hazard. Petzl offers three types of lanyards with an absorber:
- Single (ABSORBICA-I) or double (ABSORBICA-Y) lanyards with an energy absorber
- Lanyards that can be combined with an ABSORBICA energy absorber to create a single or double energy-absorbing lanyard with a maximum length of two meters

NEW 2024

ABSORBICA

JANE-Y for fall-arrest lanyard

JANE-I

NEW 2024

ABSORBICA-I

NEW 2024

ABSORBICA-I VARIO

NEW 2024

ABSORBICA-Y

NEW 2024

ABSORBICA-Y MGO
European Version

NEW 2024

ABSORBICA-Y MGO
International Version

NEW 2024

ABSORBICA-Y TIE-BACK

Specialized Lanyards

Progression Lanyards for Rope Access

Fixed or adjustable lanyards, for many different types of progression. Available in single and double versions.

PROGRESS ADJUST-Y

PROGRESS ADJUST-I
progression lanyard

JANE-Y

Positioning Lanyard for Rope Access

Adjustable lanyard with rope adjuster, for positioning at a workstation.

PROGRESS ADJUST-I
work-positioning lanyard
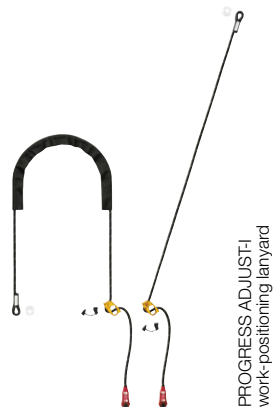
Tree Care Lanyards

Adjustable positioning lanyards that allow comfortable positioning for tree care work.

ZILLON

MICROGRAB

MICROFLIP

Helivac Lanyards

Lanyards for helicopter drop-off and recovery.

LEZARD

IGUANE

CUSTOM

Work-Positioning Lanyards

Positioning lanyards allow the user to position themselves precisely at a workstation, with feet supported on the structure. They can adapt to different anchoring configurations.

• Versatile
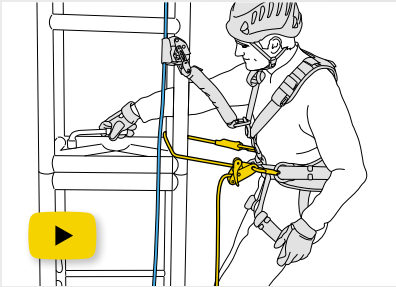
Double mode use
The GRILLON lanyard can be used in double mode (on the harness side attachment points) when the user works with weight on their feet. This type of attachment provides better load distribution on the belt. The user precisely adjusts their position by pressing on the lanyard's pivoting cam.
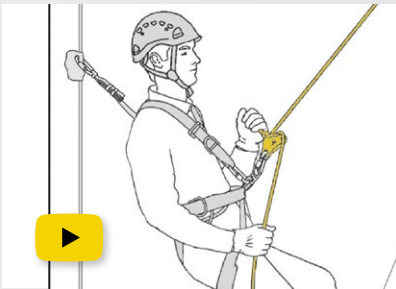
Single mode use
When the anchor is located above the user, the GRILLON lanyard is connected to the harness ventral attachment point, so that the load is comfortably distributed between the waistbelt and leg loops. The user adjusts their position by operating the handle, while holding the free end of the lanyard.

• Easy to handle

Sewn terminations with plastic sheaths
Sewn terminations increase strength (compared to a knotted termination) while reducing bulk. These plastic sheaths protect the stitching from abrasion and facilitate handling by holding the connector in position.

• Differentiation of lanyard lengths
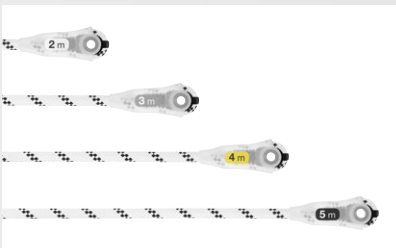
Lanyard length can be immediately identified by a color-coded label at the connector end.

• Petzl Custom for work-positioning lanyards
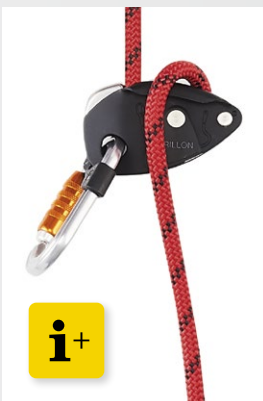
CUSTOM

Petzl Custom allows you to choose:
- Lanyard type: Standard or high-strength rope
- Lanyard color
- Lanyard length
- Type of lanyard-end connectors and harness connector
The assembly of various components of your choice offers a ready-made solution specific to the user.

• Without connector

GRILLON lanyards are sold without connectors, so that they can be combined with different connector types, depending on the user's requirements.

• With HOOK connector

GRILLON HOOK lanyards are equipped with a HOOK auto-locking connector, ideal for connections using the harness side attachment points.

• With MGO connector

GRILLON lanyards, in combination with an MGO auto-locking connector, are ideal for connection to metal structures or to large-diameter cables and bars.

Fall-Arrest Lanyards

These lanyards are used when there is a fall hazard and they are connected to the sternal or dorsal attachment point on the harness. The integrated absorber provides energy absorption in a fall, limiting the impact force on the user.

• Energy absorption for users who weigh between 60 and 140 kg

Force (kN)

Time
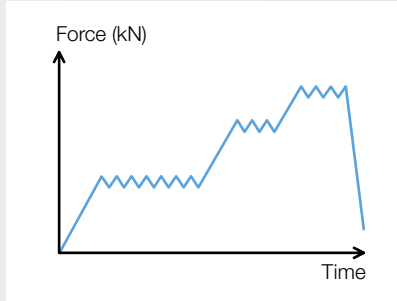
In the event of a fall, the tearing of the energy absorber webbing limits the impact force on the user. The lanyards are designed for users who weigh between 60 and 140 kg. The progressive tearing of the webbing reduces the deceleration on lightweight users.

• Compact and abrasion resistant energy absorber

The energy absorbers are very compact to avoid hindering the user's movements or interfering with work. The durable fabric pouch helps protect the energy absorber from abrasion and potential contaminants.

• Ready-to-use or customizable lanyards

Ready-to-Use Lanyards
ABSORBICA-Y MGO and ABSORBICA-Y TIE-BACK MGO lanyards come with lanyard-end connectors, as well as connectors for harness attachment.
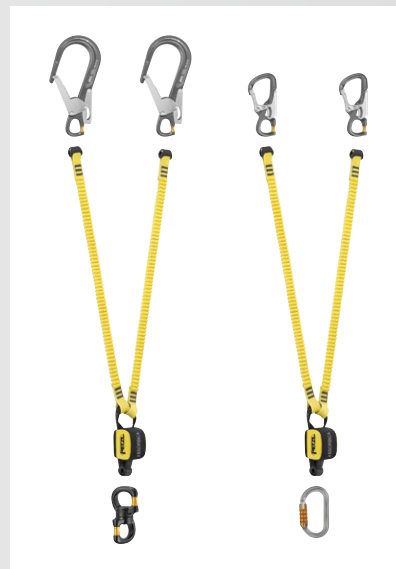
Customizable Lanyards
ABSORBICA-I (80, 150, and VARIO) and ABSORBICA-Y (80, 150, and TIE-BACK) lanyards do not come with connectors, allowing the user to customize the lanyard according to their needs and the structure they're working on.
Note: Certifications depend on the connectors that are used.

• For progression on a lifeline without passing intermediate anchors
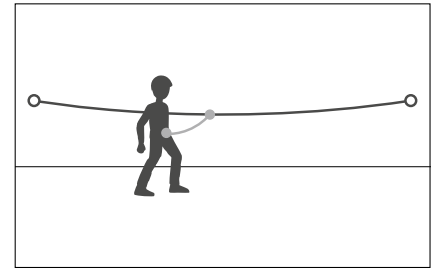
ABSORBICA-I single lanyards are designed especially for protection on a horizontal lifeline or on an elevated platform.

• For progression on a vertical structure or a lifeline and when passing intermediate anchors
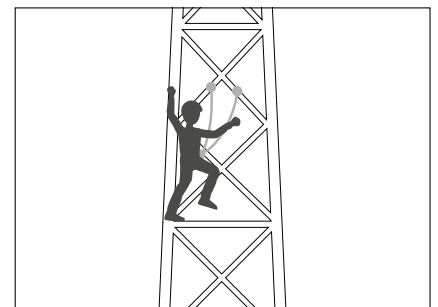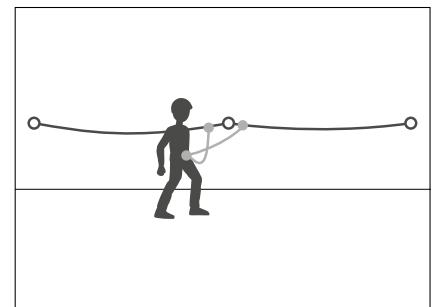
The ABSORBICA-Y lanyards with two arms allow for continuous protection by successively detaching and re-attaching the two arms.

► ABSORBICA-I lanyards

NEW 2024

NEW 2024

► ABSORBICA-Y lanyards

NEW 2024

NEW 2024

NEW 2024

NEW 2024

PROGRESS ADJUST-Y
Double adjustable progression lanyard

PROGRESS ADJUST-Y is a double adjustable progression lanyard that enables continuous connection for different types of progression (such as rope ascent or moving along a fixed line). Using the ADJUST rope adjuster, the length of the adjustable arm can be quickly and easily adjusted. The TANGA accessory and the plastic sheath help hold the connectors in a good position for easy clipping.

The PROGRESS ADJUST-Y lanyard allows continuous connection during all types of progression (rope ascent, moving along a traverse line...).

It adjusts quickly and precisely with the ADJUST rope adjuster, which releases with a simple turn and handles easily, thanks to its ergonomic shape.
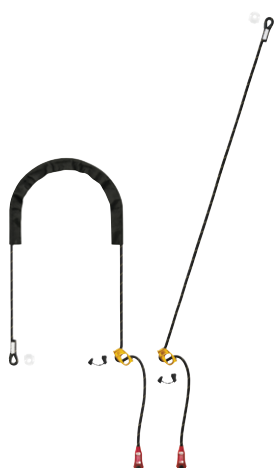
ZILLON

Adjustable work-positioning lanyard for tree care

The ZILLON work-positioning lanyard for tree care adjusts easily with only one hand, even when loaded. It is designed for use in double mode on the harness side attachment points, or in single mode on the ventral attachment point with the hand on the free end. The yellow color makes it highly visible. ZILLON lanyard ropes are also available individually.

Easy to adjust with one hand, due to the progressive locking/ unlocking action of the device.

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

IGUANE

Helivac lanyard for ground drop-off/recovery

The IGUANE lanyard is designed for ground helivac. Easy to use, with color-coded attachment elements that can be instantly identified. Lanyard available in two lengths.

The lower ends are equipped with STRING, which helps hold the carabiner in position and protects the webbing from wear.

Lanyards

GRILLON	L052AA00	-	2 m	CE EN 358 EN 12841 type C ANSI Z359.3 CSA Z259.11 EAC UKCA GB 24543 GB 30862 Type B GB 38454	480 g
	L052AA01		3 m		560 g
	L052AA02		4 m		640 g
	L052AA03		5 m		720 g
	L052AA04		10 m		1075 g
	L052AA05		15 m		1475 g
	L052AA06		20 m		1875 g
	L052AA07		2 m		480 g
	L052AA08		3 m		560 g
GRILLON PLUS	L052EA00		2 m		435 g
	L052EA01		3 m		515 g
GRILLON HOOK	L052BA00	HOOK	2 m	CE EN 358 EN 12841 type C EAC UKCA	635 g
	L052BA01		3 m		715 g
	L052BA02		4 m		795 g
	L052BA03		5 m		875 g
GRILLON HOOK	L052CA00		2 m	CE EN 358 EN 12841 type C ANSI Z359.3 CSA Z259.11 EAC UKCA GB 24543 GB 30862 Type B GB 38454	770 g
	L052CA01		3 m		850 g
	L052CA02		4 m		930 g
	L052CA03		5 m		1010 g
GRILLON MGO	L052DA00	MGO 60	2 m		1220 g
	L052DA01		3 m		1300 g

(Column header "Adjustable to" spans the length column for the GRILLON rows.)

NEW 2024 ABSORBICA-I 80	L011AB00	-	70 cm	CE EN 355 UKCA (1)	170 g
NEW 2024 ABSORBICA-I 150	L013AB01	-	153 cm	CE EN 355 ANSI Z359.13, CSA Z259.11-17 UKCA, JSFAD GB/T 24538-2009: type II (1)	225 g
NEW 2024 ABSORBICA-I VARIO	L016AB00	-	70 - 167 cm	CE EN 355 ANSI Z359.13, CSA Z259.11-17 UKCA, JSFAD GB/T 24538-2009: type II (1)	495 g
NEW 2024 ABSORBICA-Y 80	L012AB00	-	70 cm	CE EN 355 UKCA (1)	240 g
NEW 2024 ABSORBICA-Y 150	L014AB01	-	153 cm	CE EN 355 ANSI Z359.13 CSA Z259.11-17 UKCA JSFAD GB/T 24538-2009: type II (1)	275 g
NEW 2024 ABSORBICA-Y 80 MGO	L012CB00	MGO x 2 OK TRIACT-LOCK	100 cm	CE EN 355 UKCA (1)	1260 g
NEW 2024 ABSORBICA-Y 150 MGO	L014CB01		183 cm		1250 g
NEW 2024 ABSORBICA-Y 80 MGO	L012BB00	MGO x 2 Bm'D	100 cm	CE EN 355 ANSI Z359.13 UKCA, JSFAD GB/T 24538-2009: type II (1)	1730 g
NEW 2024 ABSORBICA-Y 150 MGO	L014BB01		183 cm	CE EN 355 ANSI Z359.13 CSA Z259.11-17 UKCA JSFAD GB/T 24538-2009: type II (1)	1690 g
NEW 2024 ABSORBICA-Y TIE-BACK	L015AB00	-	153 cm		400 g
NEW 2024 ABSORBICA-Y TIE-BACK MGO	L015BB00	MGO x 2 Bm'D	183 cm		1780 g

JANE-I	L050BA00	-	60 cm	CE EN 354 EN 795 type B ANSI Z359.3 ANSI Z459.1 CSA Z259.11 EAC UKCA GB 30862 Type B	100 g
	L050BA01		100 cm		120 g
	L050BA02		150 cm		145 g
JANE-Y	L051AA02	-	60 cm	CE EN 354 ANSI Z359.3 UKCA	145 g
	L051AA01		100 cm		185 g
NEW2024 **ABSORBICA**	L010AB00	-	14 cm	CE EN 355 UKCA	115 g

PROGRESS ADJUST-Y	L044AA00	-		CE EN 358 EAC UKCA GB 24543	230 g
PROGRESS ADJUST-I	L044BA00	-		CE EN 358 ANSI Z359.3 CSA Z259.11 EAC UKCA GB 24543 GB 30862 Type B	185 g
JANE-Y	L051AA00	-		CE EN 354 ANSI Z359.3 EAC UKCA	130 g

PROGRESS ADJUST-I	L044BA01	-		CE EN 358 ANSI Z359.3 CSA Z259.11 EAC UKCA GB 24543 GB 30862 Type B	300 g
	L044BA02				370 g
	L044BA03				510 g

ZILLON	L22A 025	-		CE EN 358 UKCA	570 g
	L22A 040				735 g
	L22A 055				900 g
MICROFLIP	L33 025	-		CE EN 358 EAC UKCA	750 g
	L33 040				1055 g
	L33 055				1355 g
MICROGRAB	B53A	-	-	CE EN 358 (2) EN 567 NFPA 2500 Technical Use EAC UKCA	150 g

LEZARD	L01	3 x VERTIGO TWIST-LOCK 1 x VERTIGO WIRE-LOCK		CE UKCA	880 g
IGUANE	L001AA00	2 x VERTIGO TWIST-LOCK		CE EN 354 UKCA	390 g
	L001AA01	1 x Am'D TWIST-LOCK			395 g

(1) Certifications depend on the connectors that are used, more information provided in the Instructions for Use, (2) with MICROFLIP

MOBILE FALL ARRESTERS

Installed on a lifeline, mobile fall arresters follow the user automatically as they move, whether on an inclined or vertical surface. In the event of a shock load or sudden acceleration, they lock onto the rope and stop the fall.

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Mobile Fall Arresters

Installed on a lifeline, mobile fall arresters will lock
in the event of a shock load or sudden acceleration.

• For fall protection

Mobile fall arrester that can be combined (or not) with
an ASAP'SORBER or ASAP'SORBER AXESS energy
absorber.

ASAP

• For fall protection, with locking function

Mobile fall arrester with locking function, used with
an ASAP'SORBER or ASAP'SORBER AXESS energy
absorber.

ASAP LOCK

Absorbers for Mobile Fall Arresters

These energy absorbers are for use only with an ASAP
or ASAP LOCK mobile fall arrester. They limit the impact
force transmitted to the user in the event of a fall.

ASAP'SORBER

ASAP'SORBER AXESS

Ropes for Mobile Fall Arresters

Ropes with sewn terminations for use with ASAP
and ASAP LOCK mobile fall arresters.

ASAP'AXIS 11 mm

AXIS 11 mm
with sewn termination

RAY 11 mm
with sewn termination

CUSTOM

Mobile Fall Arresters

Installed on a safety rope, the ASAP and ASAP LOCK mobile fall arresters connect to the harness fall-arrest attachment point. They follow the user in their movements, and in the event of a shock load or sudden acceleration, the devices lock and stop the fall.

• Constant fall protection
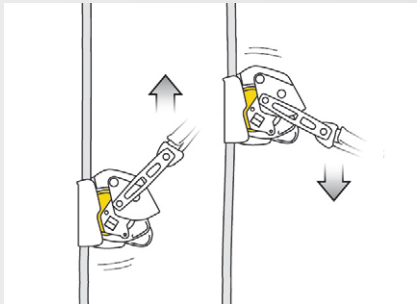
Integrated locking
In the event of a sudden movement due to a fall, slide, or uncontrolled descent, the ASAP and ASAP LOCK mobile fall arresters lock on the rope and stop the worker's fall, even if they grab the device with their hands.
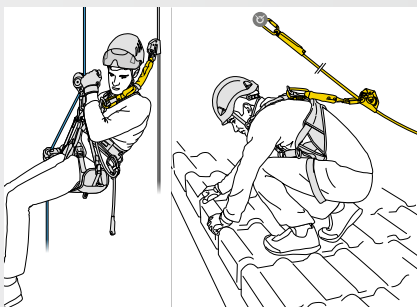
Effective in many different situations
These mobile fall arresters work equally well on vertical or angled ropes, to adapt to a variety of different worksite situations.

• Simple to use

Quick installation
These mobile fall arresters may be quickly and easily installed anywhere on the rope by simply retracting the locking wheel.
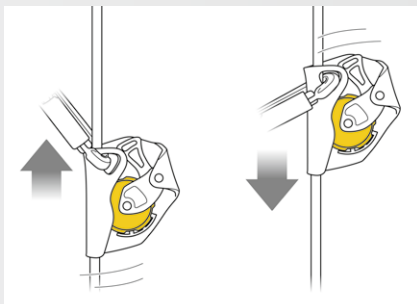
No user action required
The ASAP and ASAP LOCK mobile fall arresters follow the worker in all their movements, without the need for any manual operation. This means they can focus completely on the task at hand.

Compatible with all Petzl ASAP'SORBER energy absorbers
To meet different user needs, the mobile fall arresters are compatible with all of the energy absorbers in the line: ASAP'SORBER (20 and 40 cm) and ASAP'SORBER AXESS.

• For fall protection
Depending on the use, the ASAP mobile fall arrester can be combined (or not) with an ASAP'SORBER energy absorber.

• For fall protection, with locking function
The ASAP LOCK has a locking function allowing users to reduce the potential fall distance. Additionally, it is drop-resistant when passing intermediate anchors. It is used with an ASAP'SORBER energy-absorber.

 How to install the ASAP and ASAP LOCK on a lifeline

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ASAP		B070AA00		295 g
ASAP LOCK		B071BA00		425 g

ASAP'SORBER		L071AA00	20 cm	CE EN 355 ANSI Z359.13 6 feet EAC UKCA GB/T 24538 Type II	125 g
		L071AA01	40 cm		145 g
ASAP'SORBER AXESS		L071CB00	40 cm	CE EN 355 ANSI Z359.13 6 feet UKCA GB/T 24538 Type II	205 g

ASAP'AXIS **11 mm**		R074DA00	10 m	CE EN 1891 type A UKCA	82 g
		R074DA01	20 m		
		R074DA02	30 m		
		R074DA03	40 m		
		R074DA04	50 m		
		R074DA05	60 m		
AXIS **11 mm** with sewn termination		R074BA00	10 m	CE EN 1891 type A NFPA 2500 Technical Use EAC UKCA XF 494 Light Use	82 g
		R074BA01	20 m		
		R074BA02	30 m		
		R074BA03	40 m		
		R074BA04	50 m		
		R074BA05	60 m		
RAY **11 mm** with sewn termination		R100BA00	25 ft	ANSI Z359.15 ANSI Z459.1 NFPA 2500	98 g
		R100BA01	50 ft		
		R100BA02	75 ft		
		R100BA03	100 ft		
		R100BA04	200 ft		

CUSTOM

CONNECTORS

To address various situations encountered in the field, Petzl offers several types of connectors, with different shapes, sizes, gate openings, and locking systems.

With Keylock   Without Keylock

Keylock System: helps prevent snagging

To provide optimal efficiency, all Petzl carabiners use the Keylock system: the nose of the carabiner, where the body and gate meet, does not have a notch that could snag on anchors, ropes, harness equipment loops, or other gear.
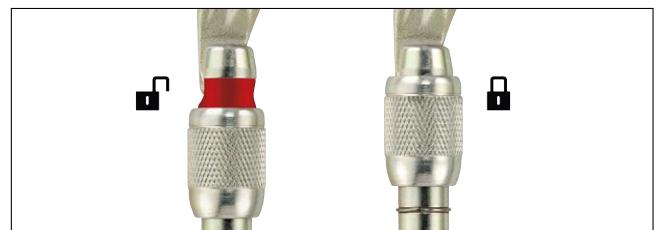
Visual locking indicator

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

Lightweight Carabiners

Aluminum carabiners designed for workers at height.

OK

Am'D

WILLIAM

Ultra-Lightweight Carabiners

Compact aluminum carabiners for workers at height looking to reduce weight to a minimum.

Sm'D

High-Strength Carabiners

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

OXAN

VULCAN

Bm'D

Lanyard-End Connectors

Connectors designed for lanyard ends.

VERTIGO TWIST-LOCK

EASHOOK OPEN

MGO OPEN

Special Carabiners

Aluminum carabiners designed for specific uses: with groups, for additional braking with a descender, and for harness fastening.

Am'D PIN-LOCK

FREINO Z

OMNI

Semi-Permanent Connectors

Connectors designed for semi-permanent connection of equipment.

RING OPEN

DELTA

GO

DEMI ROND

Connector Positioning Accessories

Accessories that keep the carabiner correctly positioned in devices and at the end of a lanyard.

CAPTIV

CAPTIVO

CAPTIV ADJUST

STUART

TANGA

STRING

Connectors

• Design facilitates handling
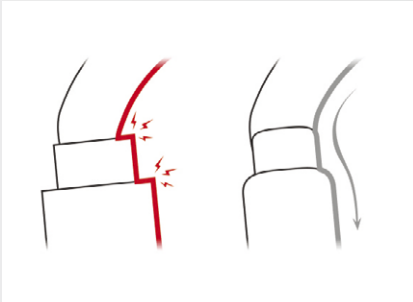
Fluid interior design
Fluid interior design limits the risk of having a catch point and facilitates rotation of the carabiner.
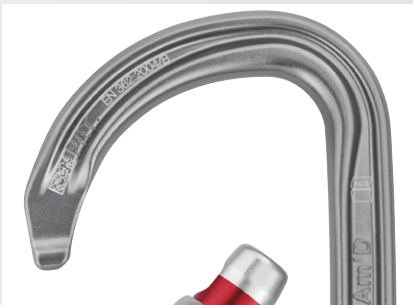
Optimal strength-to-weight ratio
The H-shaped cross section provides an optimal strength-to-weight ratio and protects the markings from abrasion.

• Multiple locking systems depending on the intensity of use:

- For frequent use:
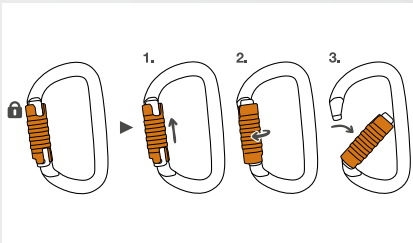
TRIACT-LOCK automatic system:
Unlocking is accomplished by raising, then turning the sleeve.
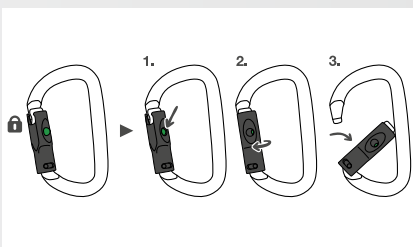
BALL-LOCK automatic system:
Unlocking is accomplished by pressing on the green indicator, then turning the sleeve. The green visual indicator is visible only when the gate is locked.

- For occasional use:
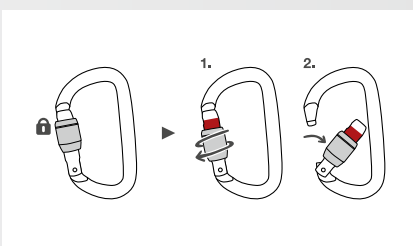
SCREW-LOCK manual system:
This system is ideal for harsh environments where contaminants (mud, ice) could cause an automatic locking system to jam. The red visual indicator is visible when the carabiner is unlocked.

• For connecting to equipment that has a large cross section

The OK carabiner has a symmetrical oval shape for optimal loading of devices with a large cross section, such as pulleys, rope clamps, or mobile fall arresters.

• For connecting equipment such as descenders or positioning lanyards

The Am'D carabiner has an asymmetrical D shape that is ideal for attaching equipment such as descenders or positioning lanyards.

• For connecting multiple items
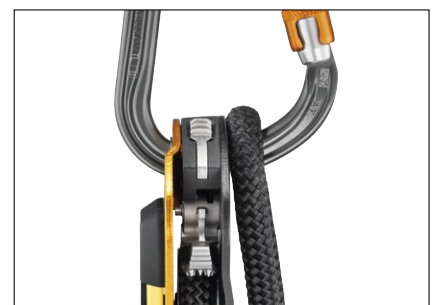
The WILLIAM has an asymmetrical pear shape, with a large capacity for attaching multiple elements, and a large gate opening to facilitate their installation.

CAPTIV
COMPATIBLE

CAPTIV
COMPATIBLE

CAPTIV
COMPATIBLE

Connectors
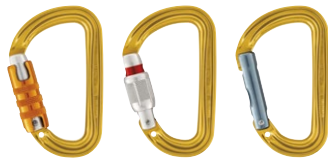
OXAN
High-strength oval carabiner
OXAN is a high-strength steel carabiner designed for use in harsh environments. The oval, symmetrical shape allows the carabiner to be loaded in the optimal position when setting up anchors or connecting to metal structures. It is available in two locking systems: automatic TRIACT-LOCK system or manual SCREW-LOCK system. OXAN TRIACT-LOCK is available in European or international versions. OXAN can be used with a CAPTIV positioning bar to help orient the carabiner to load the major axis, limit the risk of rotation, and keep it integrated with the device.

CAPTIV COMPATIBLE
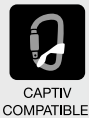
The oval, symmetrical shape allows the carabiner to be loaded in the optimal position when setting up anchors. The CAPTIV positioning bar helps orient the carabiner to load the major axis, limits the risk of rotation, and keeps it integrated to the device or lanyard.

CAPTIV COMPATIBLE

Bm'D
Lightweight asymmetrical high-strength carabiner
The Bm'D lightweight asymmetrical carabiner is made of aluminum. It has a D shape particularly suited for connecting to diverse equipment such as descenders or positioning lanyards. Designed with a smooth interior and Keylock system for ease of use. The Bm'D carabiner has the TRIACT-LOCK automatic locking system. The sleeve is reinforced for greater inward and lateral gate strength. Bm'D can be used with a CAPTIV positioning bar to help orient the carabiner to load the major axis, limit the risk of rotation, and keep it integrated with the device.

CAPTIV COMPATIBLE
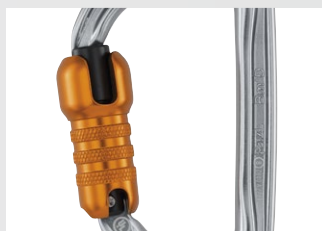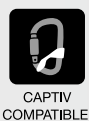
The sleeve is reinforced for greater inward and lateral gate strength.

Connectors

					⊘	◯	◀◯▶	⊘	
OK		TRIACT-LOCK	M33A TL M33A TLN (1)	22 mm	25 kN	8 kN	7 kN	CE EN 362, EN 12275 class B EAC UKCA GB/T 23469 Type B	75 g
		BALL-LOCK	M33A BL	23 mm					75 g
		SCREW-LOCK	M33A SL M33A SLN (1)	22 mm					70 g
Am'D		TRIACT-LOCK	M34A TL M34A TLN (1) M34A TLY (2)	24 mm	27 kN	8 kN	7 kN	CE EN 362, EN 12275 class B NFPA 2500 Technical Use EAC UKCA XF 494 Light Use GB/T 23469 type B	75 g
		BALL-LOCK	M34A BL M34A BLY (2)	25 mm					75 g
		SCREW-LOCK	M34A SL M34A SLN (1)	25 mm					70 g
WILLIAM		TRIACT-LOCK	M36A TL M36A TLN (1) M36A TLY (2)	27 mm	27 kN	8 kN	8 kN	CE EN 362, EN 12275 class B NFPA 2500 Technical Use EAC UKCA XF 494 Light Use GB/T 23469 type B	90 g
		BALL-LOCK	M36A BL M36A BLY (2)	27 mm					90 g
		SCREW-LOCK	M36A SL M36A SLN (1)	28 mm					85 g
Sm'D		TRIACT-LOCK	M39A TL M39A TLN (1)	18 mm	23 kN	8 kN	7 kN	CE EN 362, EN 12275 type B EAC UKCA GB/T 23469 type B	55 g
		SCREW-LOCK	M39A SL M39A SLN (1)	20 mm					45 g
			M39A S M39A SN (1)	23 mm				CE EN 12275 type B UKCA	40 g

					⊘	↕	↔	↕(open)		
OXAN		TRIACT-LOCK	M72A TL	22 mm					CE EN 362 NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use, GB/T 23469 Type B	195 g
		TRIACT-LOCK	M72A TLA M72A TLN (1)	20 mm	38 kN	16 kN	15 kN		CE EN 362 ANSI Z359.12 NFPA 2500 Technical Use CSA Z259.12 EAC, UKCA	230 g
		SCREW-LOCK	M72A SL M72A SLN (1)	22 mm					CE EN 362 NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use, GB/T 23469 Type B	185 g
VULCAN		TRIACT-LOCK	M073BA00	28 mm					CE EN 362 NFPA 2500 General Use EAC, UKCA XF 494 General Use, GB/T 23469 Type B	245 g
		TRIACT-LOCK	M073CA00 M073CA01 (1)	26 mm	45 kN	16 kN	18 kN		CE EN 362 ANSI Z359.12, NFPA 2500 General Use, CSA Z259.12 EAC, UKCA	265 g
		SCREW-LOCK	M073AA00 M073AA01 (1)	29 mm					CE EN 362 NFPA 2500 General Use EAC, UKCA XF 494 General Use, GB/T 23469 Type B	235 g
Bm'D		TRIACT-LOCK	M032AA00 M032AA01 (1)	18 mm	32 kN	16 kN	10 kN		CE EN 362 ANSI Z359.12, ANSI Z459.1 NFPA 2500 Technical Use CSA Z259.12 EAC, UKCA XF 494 Light Use, GB/T 23469 Type B	105 g
VERTIGO TWIST-LOCK		TWIST-LOCK	M40A RLA	25 mm	25 kN	10 kN	8 kN		CE EN 362, EN 12275 class B & K UKCA	100 g
EASHOOK OPEN			M043AA00 M043AA01 (1)	25 mm	25 kN	-	10 kN		CE EN 362 EAC, UKCA	160 g
MGO OPEN 60			MGOO 60	63 mm	23 kN	-	23 kN		CE EN 362 EAC UKCA	490 g
MGO OPEN 110			M080AA00	110 mm						930 g
Am'D PIN-LOCK		PIN-LOCK	M34A PL (x 1) M34AB PL (x 10)	25 mm	27 kN	8 kN	7 kN		CE EN 362, EN 12275 class B EAC UKCA	80 g
FREINO Z		TRIACT-LOCK	M042BA00	18 mm	23 kN	8 kN	8 kN		CE EN 362, EN 12275 class B NFPA 2500 Technical Use EAC UKCA	75 g
OMNI		TRIACT-LOCK	M37 TL	22 mm	20 kN	15 kN	7 kN		CE EN 362, EN 12275 class B UKCA GB/T 23469 type B	90 g
		SCREW-LOCK	M37 SL							85 g
RING OPEN			P28 M028AA00	11 mm	23 kN	23 kN	-		CE EN 362 UKCA	70 g
DELTA			P11	12 mm	45 kN	10 kN			CE EN 362 type Q UKCA GB/T 23469 Type Q (3)	150 g
			P11 8, P11 8B, P11 8BN (1)	10 mm	27 kN	10 kN	-			85 / 95 g
GO			P15	16 mm	25 kN	10 kN				60 g
DEMI ROND			P18	10 mm	25 kN	10 kN				55 g

CAPTIV	M093AA00	10 g		STUART	M096AA00	10 g
CAPTIVO	M094AA00	10 g		TANGA	M92000	5 g
CAPTIV ADJUST	M095AA00	10 g		STRING	M090AA01	10 g

(1) Black connectors, (2) gold connectors, (3) only compatible with the GO quick link.

DESCENDERS

Descenders are designed to help regulate friction and control the descent on a fixed rope. They allow a worker to position themselves at any point on the rope. Certain Petzl descenders can also be used as belay devices.


Construction of gravity-based foundations for an offshore wind farm, Le Havre, France
© 2022 Petzl Distribution - Vuedici.org - Ouest Acro - Bouygues travaux publics - Fécamp offshore wind farm

Self-Braking Descenders

Self-braking descenders with ergonomic handle and AUTO-LOCK system allow a comfortably controlled descent and easy positioning at the workstation. These devices are designed for work at height, rope access, and technical rescue and evacuation.

I'D S

I'D L

I'D EVAC

RIG

Open Auxiliary Brake

Closed Auxiliary Brake

Descenders for Technical Rescue

Descenders with integrated progress-capture pulley and AUTO-LOCK system to facilitate lowering and raising heavy loads.

MAESTRO S

MAESTRO L

Mechanical Prusiks for Tree Care

Mechanical Prusiks allow the user to move around efficiently in a tree while benefiting from the handling of a classic Prusik pulley system.

ZIGZAG

ZIGZAG PLUS

CHICANE

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.

HUIT

RACK
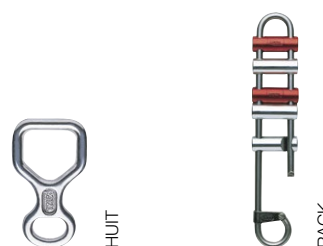
Personal Escape System

Rescue device that allows a single person to get themselves out of a building or structure in the event of an emergency. It has a multipurpose anchor hook adapted for locations where the possibility of finding an anchor point is uncertain.

EXO AP HOOK

CUSTOM

Descenders

Easy to use, self-braking descenders adapt to a variety of situations encountered during work at height, rope access work, or technical rescue: descending, work positioning, short rope ascents, belaying with climbing techniques.

• Easy to use
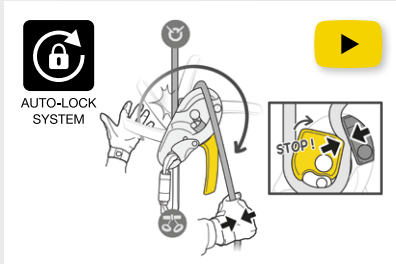
AUTO-LOCK system
The AUTO-LOCK system allows users to easily position themselves at a workstation without having to manipulate the handle or tie off the device: as soon as the user releases the handle, the rope is automatically locked in the device.

Installing the rope
The device has a safety gate on the moving side plate that allows the rope to be easily installed while the device remains connected to the harness.

Comfortable, controlled descent
The ergonomic handle allows unlocking the rope and comfortably controlling the descent. Two descent modes are possible: on the side plate or in the V-shaped friction channel.

• Versatile
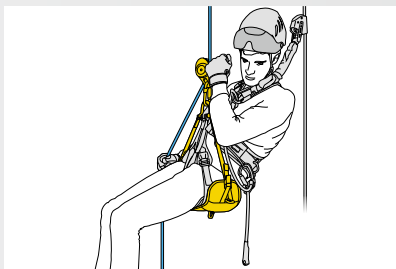
Self-braking descenders are versatile and can be used for both descents and short rope ascents.

• Wear-resistant

The stainless steel wear plate improves durability by reinforcing the rope friction zone.

• With anti-panic function and anti-error catch
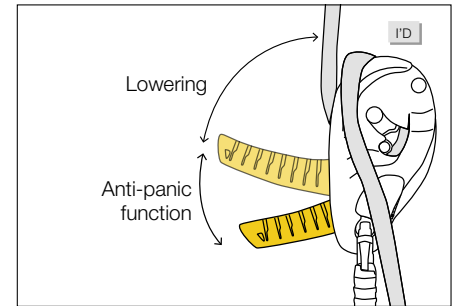
Designed for work at height, rope access, and technical rescue and evacuation, these devices are equipped with an anti-panic function and an anti-error catch, to reduce the risk of an accident due to user error. They are also compatible with auxiliary brakes, which help increase the friction for lowering heavy loads.

• Compact and lightweight

The RIG descender is compact and lightweight, and designed for experienced rope access workers.

I'D self-braking descenders with anti-panic function

Descenders

These descenders offer the versatility required for technical rescue operations: lowering, hauling, handling heavy loads, use in the primary system or in a back-up belay.

• Easy rope installation

Markings on the device make rope installation quick and easy.

• Comfortable, controlled descent, even with heavy loads

The ergonomic handle and integrated brake enable a comfortably controlled descent.

The faceted sheave creates additional friction zones for the rope, providing extra braking for lowering heavy loads.

• Excellent hauling efficiency
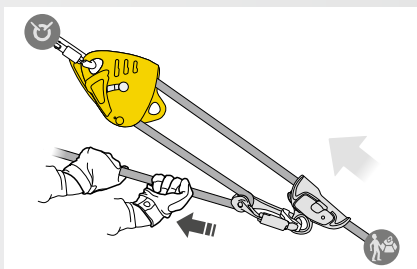
The integrated progress-capture pulley with very large diameter sheave mounted on sealed ball bearings rotates in only one direction for excellent hauling efficiency. The lower connection point can be used to create different types of haul systems.

• AUTO-LOCK system: automatically locks the rope

AUTO-LOCK SYSTEM

STOP !
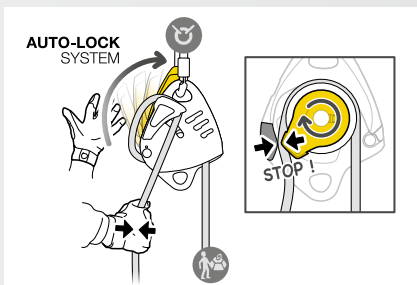
AUTO-LOCK SYSTEM

The AUTO-LOCK system allows automatic locking of the rope when the handle is not in use. Once locked, the rope can be taken up without having to manipulate the handle.

MAESTRO S
⌀ 10.5 to 11.5 mm   250 kg

MAESTRO L
⌀ 12.5 to 13 mm   280 kg

▶ MAESTRO descenders with integrated progress-capture pulley

▶

Rescue exercise, Mont Veyrier, Annecy, France © 2019 - Petzl Distribution - Vuedici.org & Lafouche - CNEAS

Descenders

Mechanical Prusiks for Tree Care

Mechanical Prusiks allow arborists to optimize their movement within a tree. They are user-friendly and intuitive to use. To meet a variety of needs, they can be used on doubled ropes or a single rope.

• Intuitive design

The technique is identical to that of a classic Prusik pulley system, offering immediate usability. The device locks automatically once the friction chain is extended.

• For efficient movement

Smooth, precise rope feed
The release lever is mounted on a spring for great precision when moving around. Adjusting the pressure on this lever controls the speed of movement.
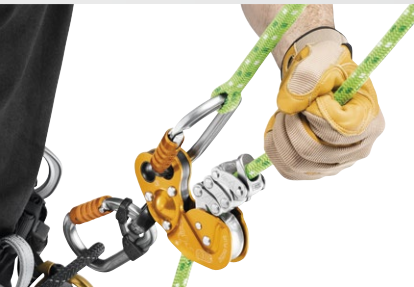
Slack easily taken up
The pulley is mounted on sealed ball bearings to allow the slack to be taken up easily when moving around. The widely spaced side plates also contribute to smooth rope glide.

• Versatile

Use on doubled ropes
ZIGZAG and ZIGZAG PLUS can be used on doubled ropes.
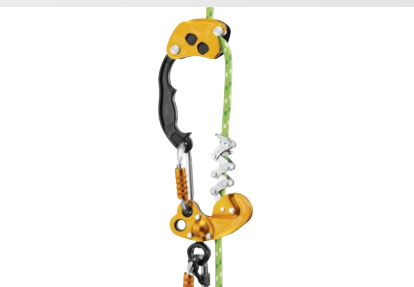
Use on a single rope
They can also be used on a single rope, thanks to the CHICANE accessory, which offers more friction on the descent, and the KNEE ASCENT assemblies, which facilitate the ascent.

• Standard version

The lower attachment hole is fixed to maintain alignment of the device with the axis of the worker and to optimize grip.

• Version with high-efficiency swivel

The lower attachment hole with high-efficiency swivel provides stable and correct positioning of the mechanical Prusik and optimal rope glide through the device.

ZIGZAG®

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. The friction chain provides precision and fluidity when moving around. The pulley is mounted on sealed ball bearings to allow the slack to be taken up easily. Can be used on either doubled ropes or a single rope, providing great versatility. The lower attachment hole is fixed to maintain alignment of the device with the axis of the worker and to optimize grip.

▶ ZIGZAG PLUS mechanical Prusik

ZIGZAG® PLUS

Mechanical Prusik with high-efficiency swivel, for tree care

The ZIGZAG PLUS mechanical Prusik allows the user to move around efficiently in a tree using classic Prusik pulley system technique. The friction chain provides precision and fluidity when moving around. The pulley is mounted on sealed ball bearings to allow the slack to be taken up easily. Can be used on either doubled ropes or a single rope, providing great versatility. The lower attachment hole with high-efficiency swivel provides stable and correct positioning of the mechanical Prusik and optimal rope glide through the device.

Accessory

CHICANE

Auxiliary brake for mechanical Prusik on single ropes, for tree care

The CHICANE auxiliary braking device allows ZIGZAG and ZIGZAG PLUS mechanical Prusiks to be used on single ropes. It provides continuous additional friction on descents. The excellent compatibility of the CHICANE and mechanical Prusik as an assembled unit provides smooth rope glide through the brake during ascents. The ergonomic handle provides excellent grip and facilitates movement while limb walking. With the openable side plate, installation is quick and easy.

CUSTOM

Descenders

Standard Descenders

HUIT
Figure-eight descender
Figure-eight descender, compact and lightweight. Square shape helps reduce rope twist.

RACK
Variable friction descender with brake bars
The design and configuration of the RACK bars make it easy to set up and insert the rope. Compact and lightweight, the device allows the user to adjust the amount of friction during the descent to adapt to changing conditions.

Personal Escape System

EXO® AP HOOK
Personal escape system with anchor hook
EXO AP HOOK is a personal escape system with a HOOK anchor hook, adapted for situations where the possibility of finding an anchor point is uncertain. It has a self-braking system with anti-panic function for quickly moving horizontally, climbing through a window, and controlling or stopping a descent. If the user pulls too hard on the handle, the anti-panic function brakes and stops the descent automatically. EXO AP HOOK also includes a rope that resists wear and high temperatures, an Am'D connector with CAPTIV positioning bar, and a bag for transporting and attaching the system directly to the harness. Other rope lengths and other types of connectors (such as the EASHOOK OPEN) are available by special order.
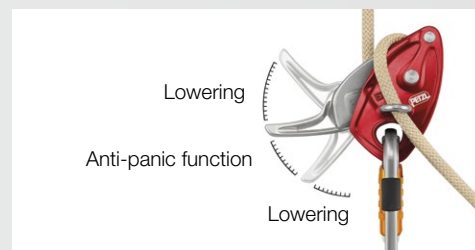
Lowering

Anti-panic function

Lowering

If the user pulls too hard on the handle, the anti-panic function brakes and stops the descent automatically.

The anchor hook may be used around a structure, secured with a locking hitch.

i+
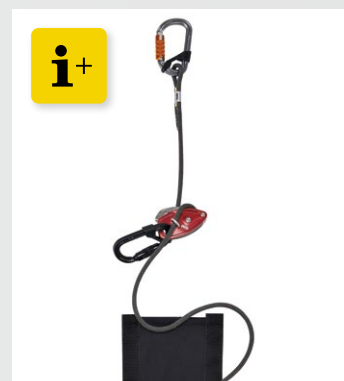
CUSTOM

Petzl Custom allows you to choose:
- Rope type:
Standard or high-strength rope
- Rope color
- Rope length
- Type of rope-end connectors
and harness connector
The assembly of various components of your choice offers a ready-made solution specific to the user, delivered in a transport pouch or bag adapted to the length of the rope.

Because of the unique shape of the anchor hook, special Petzl training for the EXO AP HOOK is mandatory.

			Certifications	Rope Diameter Compatibility	Working Load Limit	Weight
Self-Braking Descenders						
I'D S		D020AA00 (yellow) D020AA01 (black)	EN 341 type 2 class A (1) CE EN 12841 type C (2) CE EN 15151-1 (3) ANSI Z359.4 (4) NFPA 2500 Technical Use (5) EAC, UKCA XF 494 Light Use GB/T 38230 II A (11)	10 to 11.5 mm	Lowering a heavy load up to 250 kg	600 g
I'D L		D020BA00 (yellow) D020BA01 (black)	EN 341 type 2 class A (6) CE EN 12841 type C (7) ANSI Z359.4 (8) NFPA 2500 General Use (9) EAC, UKCA	12.5 to 13 mm	Lowering a heavy load up to 280 kg	600 g
I'D EVAC		D020CA00 (yellow) D020CA01 (black)	EN 341 type 2 class A (1) CE EN 12841 type C (2) ANSI Z359.4 (4) NFPA 2500 Technical Use (5) EAC, UKCA	10 to 11.5 mm	Lowering a heavy load up to 250 kg	615 g
RIG		D021AA00 (yellow) D021AA01 (black)	CE EN 12841 type C (2) EN 341 type 2 class A (1) CE EN 15151-1 (10) NFPA 2500 Technical Use (5) EAC, UKCA XF 494 Light Use GB/T 38230 II A (11)	10 to 11.5 mm	Lowering a heavy load up to 200 kg	400 g
Open Auxiliary Brake for I'D		D020DA00	-	-	-	20 g
Closed Auxiliary Brake for I'D		D020EA00	-	-	-	20 g
Rescue Descenders						
MAESTRO S		D024AA00	CE EN 12841 type C, EN 341 NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use GB/T 38230 II A (11)	10.5 to 11.5 mm	Lowering a heavy load up to 250 kg	1100 g
MAESTRO L		D024BA00	CE EN 12841 type C, EN 341 NFPA 2500 General Use EAC, UKCA XF 494 General Use GB/T 38230 II A (12)	12.5 to 13 mm	Lowering a heavy load up to 280 kg	1100 g
Mechanical Prusiks for Tree Care						
ZIGZAG		D022AA00	CE UKCA	11.5 to 13 mm	140 kg	365 g
ZIGZAG PLUS		D022BA00	CE UKCA	11.5 to 13 mm	140 kg	425 g
CHICANE		D022CA00	CE, UKCA (with ZIGZAG or ZIGZAG PLUS mechanical Prusik)	11.5 to 13 mm	140 kg	255 g
Standard Descenders						
HUIT		D02	-	8 to 13 mm (single and double rope)	100 kg	100 g
RACK		D11	-	9 to 13 mm (single rope) 8 to 11 mm (double rope)	100 kg	470 g
Personal Escape System						
EXO AP HOOK		D031DA00	NFPA 2500 Escape Use	7.5 mm (EXO rope only)	140 kg	1470 g

(1) EN 341 type 2 class A when used with a PARALLEL 10.5 mm or AXIS 11 mm rope
(2) EN 12841 type C when used with a 10 to 11.5 mm EN 1891 A rope
(3) EN 15151-1 when used with a 10 to 11 mm rope
(4) ANSI Z359.4 when used with a 10 to 11.5 mm rope
(5) NFPA 2500 Technical Use when used with a 10 to 11.5 mm rope
(6) EN 341 type 2 class A when used with a VECTOR 12.5 mm rope

(7) EN 12841 type C when used with a 12.5 to 13 mm EN 1891 A rope
(8) ANSI Z359.4 when used with a 12.5 to 13 mm rope
(9) NFPA 2500 General Use when used with a 12.5 to 13 mm rope
(10) EN 15151-1 when used with a 9 to 11 mm rope
(11) With PARALLEL 10.5 mm, AXIS 11 mm, DURALINE 10.5 mm
(12) With VECTOR 12.5 mm

CUSTOM

ROPE CLAMPS

Petzl rope clamps are primarily used for progression on ropes and for setting up haul systems.

Optimal locking

Petzl frame-loaded rope clamps are designed to function optimally under many different conditions (wet, frozen, dirty ropes, for example). They are therefore equipped with a special 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 ascenders).

ASCENSION

PROGRESS ADJUST-Y

FOOTAPE

FOOTCORD

LOOPING

CROLL S

CROLL L

SECUR

KNEE ASCENT LOOP

ASCENTREE

PANTIN

KNEE ASCENT CLIP

Versatile Rope Clamp

Rope clamp that can be used to ascend a fixed rope, or as progress capture in a haul system.

BASIC

Back-Up Rope Clamp

Ultra-compact, lightweight rope clamp for occasional rope ascents and haul systems.

TIBLOC

Cam-Loaded Rope Clamp

Rope clamp designed for use in haul systems as a tractor or progress-capture device.

RESCUCENDER

CUSTOM

Rope Clamps for Progression

ASCENSION
Handled rope clamp for rope ascents
The ASCENSION handled rope clamp is designed for rope ascents and features an overmolded grip and ergonomic upper part for a comfortable and powerful grip when pulling with one or two hands. The ASCENSION handled rope clamp has a large lower hole for easily attaching two carabiners for a lanyard and foot loop.

The overmolded dual-density grip has an area for the index finger and a wide, supportive base to keep the hand from slipping. Ergonomic upper part maximizes power when pulling with two hands.

ASCENSION
left-handed

ASCENSION
right-handed

PROGRESS ADJUST-Y
Double adjustable progression lanyard
Find a description of the PROGRESS ADJUST-Y lanyard on page 50.

FOOTAPE
Adjustable webbing foot loop
The adjustable FOOTAPE foot loop is used with an ASCENSION or BASIC rope clamp for rope ascents. A height-adjustable elastic band keeps the foot in the loop, regardless of shoe type.

FOOTCORD
Adjustable cord foot loop
The adjustable FOOTCORD foot loop is used with an ASCENSION or BASIC rope clamp for rope ascents. Its high-modulus polyethylene construction increases durability. A height-adjustable elastic band keeps the foot in the loop, regardless of shoe type.

LOOPING
Four-step etrier
The LOOPING four-step etrier attaches to an ASCENSION rope clamp for rope ascents or directly onto an anchor for progression in overhangs.

CROLL®
Ventral rope clamp

Designed for rope ascents, the CROLL ventral rope clamp is simple to use, with a pinch opening system, which is totally integrated in the clamp to avoid any involuntary snagging. The attachment holes allow efficient positioning during ascents. It is available in two versions to adapt to different rope diameters.

SECUR
Shoulder straps for positioning the CROLL ventral rope clamp

SECUR shoulder straps position the CROLL ventral rope clamp and attach to AVAO SIT, FALCON, FALCON ASCENT, and SEQUOIA SRT harnesses.

ASCENTREE
Double-handled rope clamp for tree care

Handled rope clamp designed for double rope ascents, the ASCENTREE has ergonomic handles allowing a comfortable and powerful grip when pulling. Catch/cam unit is totally integrated to prevent any involuntary snagging.

PANTIN®
Foot ascender

The PANTIN foot ascender is used with the CROLL, ASCENSION, or ASCENTREE rope clamps to make rope ascents faster and less tiring. It is available in right- and left-foot versions.

PANTIN
left-foot

PANTIN
right-foot
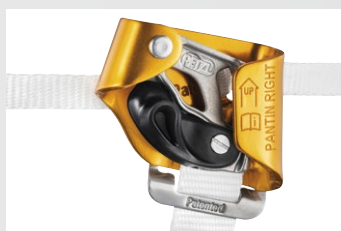
Catch to keep the rope in the device during rope ascents.

KNEE ASCENT LOOP
Knee ascender assembly with foot loop to facilitate ascents on a single rope, for tree care

The KNEE ASCENT LOOP assembly facilitates the arborist's ascent when using the ZIGZAG or ZIGZAG PLUS mechanical Prusik on a single rope. It contains an upper strap, a CROLL L rope clamp, a lower strap with foot loop, and a TOOLBAG 1.5 tool pouch. The system is fully adjustable and adapts to different body types.

▶ Installing the KNEE ASCENT

KNEE ASCENT CLIP
Knee ascender assembly with boot connector, facilitating single rope ascents, for tree care

The KNEE ASCENT CLIP assembly facilitates the arborist's ascent when using the ZIGZAG or ZIGZAG PLUS mechanical Prusik on a single rope. It contains an upper strap, a CROLL L rope clamp, a lower strap with connector that attaches to the sewn webbing on the top of the arborist's boot, and a TOOLBAG 1.5 tool pouch. The system is fully adjustable and adapts to different body types.

Rope Clamps

Versatile Rope Clamp

BASIC
Compact, versatile rope clamp
The BASIC rope clamp is very compact, making it easy to grip.
The large lower hole allows lanyard and foot loop carabiners to be easily connected.

Back-Up Rope Clamp

TIBLOC
Back-Up Rope Clamp
Extremely compact and lightweight, the TIBLOC is a back-up rope clamp for ascending ropes or setting up haul systems.

Cam-Loaded Rope Clamp

RESCUCENDER
Openable cam-loaded rope clamp
Simple to use and ergonomic, the RESCUCENDER is an openable cam-loaded rope clamp designed for use in haul systems as a tractor or progress-capture device.

Openable guided cam allows easy installation or removal of the rope clamp at any point on the rope.
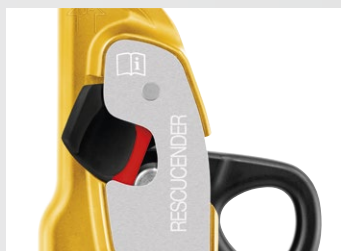
The safety catches are equipped with indicators that show when they are unlocked.

			Certifications	Rope Diameter Compatibility	Weight
Rope Clamps for Progression					
ASCENSION		B17ALA (left-handed, black/yellow) B17ALN (left-handed, black) B17ARA (right-handed, black/yellow) B17ARN (right-handed, black)	CE EN 567, EN 12841 type B NFPA 2500 Technical Use EAC UKCA XF 494 Light Use	8 to 13 mm	165 g
FOOTAPE		C47A	-	-	65 g
FOOTCORD		C48A	-	-	40 g
LOOPING		C25	-	-	145 g
CROLL S		B16BAA	CE EN 567, EN 12841 type B NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use	8 to 11 mm	85 g
CROLL L		B016AA00	CE EN 567, EN 12841 type B NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use	8 to 13 mm	140 g
SECUR		C74A	-	-	135 g
ASCENTREE		B19AAA	CE UKCA	8 to 13 mm	330 g
PANTIN		B02CLA (left-foot) B02CRA (right-foot)	The PANTIN is not an item of PPE	8 to 13 mm	85 g
Catch for PANTIN		B02210 (for left foot PANTIN) B02200 (for right foot PANTIN)	-	-	25 g
KNEE ASCENT LOOP		D022DA00	-	8 to 13 mm	280 g
KNEE ASCENT CLIP		D022EA00	-	8 to 13 mm	285 g
Versatile Rope Clamp					
BASIC		B18BAA	CE EN 567, EN 12841 type B EAC UKCA XF 494 Light Use	8 to 11 mm	85 g
Back-up Rope Clamp					
TIBLOC		B01BN	CE EN 567 EAC UKCA	8 to 11 mm	35 g
Cam-Loaded Rope Clamp					
RESCUCENDER		B50A	CE EN 567, EN 12841 type B NFPA 2500 Technical Use EAC, UKCA XF 494 Light Use	9 to 13 mm (1) 10 to 13 mm (2)	260 g

(1) For the CE EN 567 standard, (2) for the other standards.

PULLEYS

Pulleys are used for raising equipment and for making haul systems in a rescue situation. Some of them can be combined with a rope clamp to facilitate maneuvers; others allow movement along rope or cable.

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
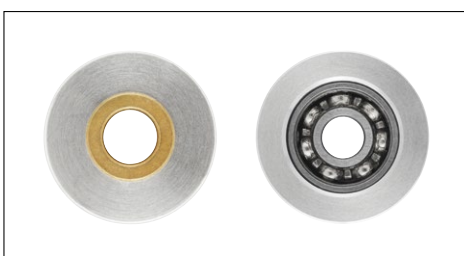
High-Efficiency Pulleys With Swivel

High-performance pulleys equipped with a swivel, making them drop-resistant while installing the rope.

SPIN L1   SPIN L2   SPIN L1D   SPIN S1   SPIN S1 OPEN

High-Efficiency Pulleys

Versatile, high-performance pulleys adapted for intensive use.

PARTNER   RESCUE

Pulley-Carabiners

Pulley-carabiners with excellent efficiency.

ROLLCLIP A   ROLLCLIP Z

Progress-Capture Pulleys

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

PRO TRAXION   MINI TRAXION

Prusik Pulleys

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

MINI   GEMINI   MINDER   TWIN

Single Pulleys

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

MOBILE   FIXE

Transport Pulleys

Pulleys designed for movement along a rope or cable.

REEVE   TANDEM   TANDEM SPEED   KOOTENAY   ROLLCAB

Haul System

Ready-to-use kit, designed to easily pick off and lower (or simply pick off) a victim.

JAG SYSTEM   JAG TRAXION   JAG   TWIN RELEASE
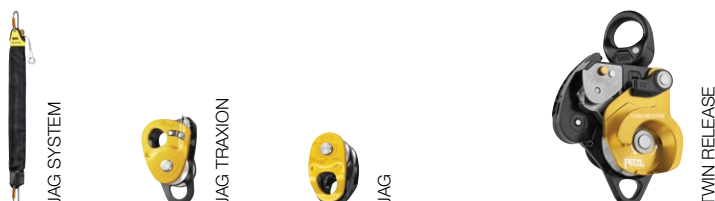
Pulleys

High-Efficiency Pulleys With Swivel

▶ SPIN L1 and SPIN L2 pulleys

SPIN L1
Very high efficiency single pulley with swivel
Possible to open, even when attached to the anchor, the SPIN L1 pulley is designed for maximum simplicity in setting up haul or load deviation systems and tensioned highlines. The large-diameter sheave mounted on sealed ball bearings gives it excellent efficiency. The swivel makes it easier to operate, allowing the pulley to be oriented under load and for carabiners, ropes, or slings to be directly connected.

SPIN L2
Very high efficiency double pulley with swivel
Possible to open, even when attached to the anchor, the SPIN L2 is a double pulley designed for maximum simplicity when setting up haul systems or tensioned highlines. The two parallel-mounted sheaves and auxiliary attachment point allow the pulley to be used to set up various types of complex haul systems. The large-diameter sheaves mounted on sealed ball bearings provide excellent efficiency. The swivel makes it easier to operate, allowing the pulley to be oriented under load and for carabiners, ropes, or slings to be directly connected.

▶ SPIN L1D pulley

SPIN L1D
Very high efficiency single pulley with one-way rotation and swivel
Possible to open, even when attached to the anchor, the SPIN L1D pulley is designed to be used in conjunction with a descender for maximum simplicity when setting up a deviation for a heavy load. The faceted sheave only rotates in one direction, providing excellent efficiency when hauling, and adding friction zones for the rope for additional braking when lowering. The swivel makes it easier to operate, allowing the pulley to be oriented under load and for carabiners, ropes, or slings to be directly connected.

- -

▶ SPIN S1 and SPIN S1 OPEN pulleys

SPIN S1
Very high-efficiency, compact single pulley with swivel
Possible to open, even when attached to the anchor, the SPIN S1 pulley is designed for maximum simplicity in setting up haul or load deviation systems and tensioned highlines. Compact, reducing weight and bulk, which is especially useful during technical rescue. The sheave mounted on sealed ball bearings provides excellent efficiency. The swivel makes it easier to operate, allowing the pulley to be oriented under load and for carabiners, ropes, or slings to be directly connected.

SPIN S1 OPEN
Very high-efficiency, compact single pulley with gated swivel
Possible to open, even when attached to the anchor, the SPIN S1 OPEN pulley is designed for maximum simplicity in setting up haul or load deviation systems and tensioned highlines. Compact, reducing weight and bulk, which is especially useful during technical rescue. The sheave mounted on sealed ball bearings provides excellent efficiency. The swivel facilitates operations, allowing the pulley to be oriented under load. The opening gate on the swivel makes the pulley compatible with a wide variety of products, (tripod, REEVE pulley, PAW rigging plates, and more) reducing bulk during setup.

High-Efficiency Pulleys

PARTNER
Ultra-compact, high-efficiency pulley
The PARTNER is an ultra compact, extremely lightweight pulley.
It is designed for daily tasks and on-site rescue.

RESCUE
High-strength, very high-efficiency pulley
The very high efficiency RESCUE pulley is designed for intensive use by rescue professionals.

Pulley-Carabiners

CAPTIV COMPATIBLE

ROLLCLIP A
Pulley-carabiner that facilitates installation of the rope when pulley is connected to the anchor
ROLLCLIP A is a pulley-carabiner with the gate opening on the pulley end, to facilitate rope installation when the pulley is fixed to the anchor. It is available with an automatic TRIACT-LOCK locking system, or without a locking system. ROLLCLIP A can be used with a CAPTIV positioning bar to help orient the carabiner to load the major axis, limit the risk of rotation, and keep it integrated with the device.

ROLLCLIP Z
Pulley-carabiner that facilitates installation on anchors and devices
ROLLCLIP Z is a pulley-carabiner with the gate opening on the non-pulley end, to facilitate installation on anchors and devices. It is available in two locking systems: automatic TRIACT-LOCK system or manual SCREW-LOCK system.

Progress-Capture Pulleys

PRO TRAXION
Very high-efficiency, drop-resistant progress-capture pulley with swivel
Possible to open, even when attached to the anchor, the PRO TRAXION progress-capture pulley is designed for setting up haul systems. With a large diameter sheave mounted on sealed ball bearings and excellent efficiency, it is particularly suitable for hauling heavy loads. The swivel makes it easier to operate, allowing the pulley to be oriented under load, and for carabiners, ropes, or slings to be directly connected.

MINI TRAXION
Compact and drop-resistant high-efficiency progress-capture pulley
Possible to open, even when attached to the anchor, the MINI TRAXION progress-capture pulley is designed for setting up haul systems. With a medium-diameter sheave and great efficiency, it is particularly suitable for hauling mid-weight loads. It is compact, with minimized weight and bulk, which is especially useful during technical rescue and rope access work.

MINI TRAXION
progress-capture pulley
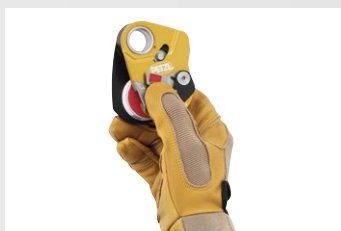
Triple-action opening of the moving side plate is quick and easy, even with gloves.
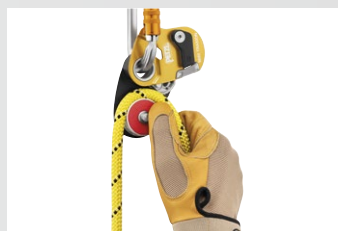
The rope can be installed in the MINI TRAXION pulley when it is connected to the anchor.

Pulleys

Prusik Pulleys

MINI
Highly efficient and lightweight Prusik pulley
The MINI compact pulley offers a lightweight solution for setting up progress-capture haul systems.

GEMINI
Highly efficient and lightweight double Prusik pulley
GEMINI is a compact double pulley for setting up progress-capture haul systems of high mechanical advantage.

MINDER
High strength, very high efficiency Prusik pulley
MINDER is a high-strength pulley designed for rescue professionals, for setting up progress-capture haul systems.

TWIN
High-strength, very high efficiency double Prusik pulley
TWIN is a high-strength double pulley designed for rescue professionals. It can be used to set up progress-capture haul systems of high mechanical advantage.

Single Pulleys

MOBILE
Versatile ultra-compact pulley
Compact and extremely lightweight, the MOBILE pulley is designed for a variety of uses.

FIXE
Versatile compact pulley
Versatile and compact, the FIXE pulley allows quick installation onto the rope.

Transport Pulleys

REEVE
Carriage pulley for rescue on a tensioned highline
Combining two pulleys and a rigging plate, the REEVE carriage pulley is an integrated solution designed to simplify setting up rescue systems on tensioned highlines. The compact design limits the number of connectors and the height of the system. Two large-diameter sheaves mounted on sealed ball bearings provide excellent efficiency when moving. Multiple connection holes to directly attach ropes, slings, or carabiners, allowing for better organization.

▶

REEVE
carriage pulley

Triple-action opening of the moving side plates is quick and easy, even with gloves.

Two red indicators provide a visual warning when the moving side plates are unlocked.

TANDEM® / TANDEM® SPEED
Double pulleys for tensioned highlines
TANDEM and TANDEM SPEED are designed for tensioned highlines on cables or ropes,
and can accommodate up to three connectors to facilitate operations. TANDEM is used on a rope.
TANDEM SPEED can also be used on a cable because of its wear-resistant sheaves mounted on
sealed ball bearings.

KOOTENAY
Knot-passing pulley
KOOTENAY is a knot-passing pulley that allows passage of joining knots.
The large-diameter sheave mounted on sealed ball bearings provides excellent efficiency.

ROLLCAB
Roller for movement along cable
ROLLCAB is a roller designed for movement and evacuation along mechanical lift cables.

Haul System

JAG SYSTEM
Haul kit
The JAG SYSTEM haul kit is designed for pick-offs, making a releasable anchor, or tensioning a system,
with a 4:1 mechanical advantage and excellent efficiency (sheaves with sealed ball bearings).
The collapsed kit is highly compact, allowing it to be used even when the distance to the anchor is very
short. The JAG SYSTEM haul kit is quick and easy to deploy: it is ready to use due to the flexible cover
that helps prevent the risk of tangling. The haul end is color-coded for instant identification. It is available
in three lengths: 1, 2, and 5 meters.

JAG TRAXION
High-efficiency double progress-capture pulley
The JAG TRAXION double progress-capture pulley is designed for use with the JAG pulley to make
a 4:1 haul system. Sheaves with sealed ball bearings provide excellent efficiency.

JAG
High-efficiency double pulley
The JAG double pulley is designed for use with the JAG TRAXION double progress-capture pulley
to make a 4:1 haul system. Sheaves with sealed ball bearings provide excellent efficiency.

CUSTOM

Pulleys

Haul System

TWIN RELEASE
Releasable double progress-capture pulley for haul systems

Releasable, the TWIN RELEASE progress-capture pulley is designed to set up 4:1 haul systems for work in confined spaces or for technical rescue. It's possible to release the cam using the ergonomic handle. When lowering heavy loads, the brake integrated into the moving side plate and the main faceted sheave with single-direction rotation offer additional braking and better control. The two sheaves provide excellent hauling efficiency. The swivel makes it easier to operate, allowing the pulley to be oriented under load and for carabiners, ropes, or slings to be directly connected.

TWIN RELEASE
progress-capture pulley

Release of the cam and passage of the rope through the brake integrated into the main moving side plate, allows comfortable and precise control when lowering.
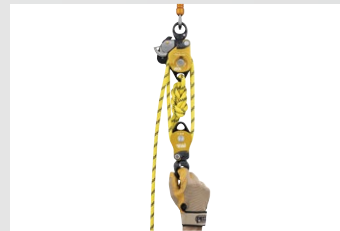
The cam can be locked in the open position to make it easier to feed slack.

		Certifications	Rope Diameter Compatibility	Sheave Diameter	Ball Bearings	Efficiency	Working Load Limit	Weight
High-Efficiency Pulleys With Swivel								
SPIN L1		P001BA00 P001BA01 (1)	7 to 13 mm	38 mm	●	95 %	4 x 2 = 8 kN	290 g
SPIN L2		P001CA00 P001CA01 (1)	CE EN 12278 NFPA 2500 Pulley General Use UIAA UKCA XF 494 Light Use				8 kN (3)	480 g
SPIN L1D		P001AA00	CE (2) NFPA 2500 Pulley General Use UKCA	8 to 13 mm	40 mm	●	93 %	3 x 2 = 6 kN	425 g
SPIN S1		P002AA00 P002AA01 (1)	CE EN 12278 NFPA 2500 Pulley Technical Use UIAA UKCA	7 to 11 mm	25 mm	●	91 %	2,5 x 2 = 5 kN	145 g
SPIN S1 OPEN		P002BA00							160 g
High-Efficiency Pulleys								
PARTNER		P52A	CE EN 12278 UKCA	7 to 11 mm	25 mm	●	91 %	2,5 kN x 2 = 5 kN	56 g
RESCUE		P50A P50AN (1)	CE EN 12278 NFPA 2500 General Use UKCA XF 494 General Use	7 to 13 mm	38 mm	●	95 %	4 kN x 2 = 8 kN	185 g
Pulley-Carabiners								
ROLLCLIP A		P74 TL	CE EN 362 EN 12275 EN 12278 EAC, UKCA	7 to 13 mm	18 mm	●	85 %	2 kN x 2 = 4 kN	115 g
		P74	CE EN 12275 EN 12278 EAC, UKCA						105 g
ROLLCLIP Z		P75 TL	CE EN 362 EN 12278 EAC UKCA	7 to 13 mm	18 mm	●	85 %	2 kN x 2 = 4 kN	110 g
		P75 SL							105 g

		Certifications	Rope Diameter Compatibility	Sheave Diameter	Ball Bearings	Efficiency	Working Load Limit	Weight
Progress-Capture Pulleys								
PRO TRAXION	P055AA00	CE EN 567, EN 12278 EN 12841 type B NFPA 2500 Technical Use Pulley and Rope grab UKCA XF 494 Pulley Light Use (6) XF 494 Rope Grab Light Use (6)	8 to 13 mm	38 mm	●	95 %	Pulley: 11.5 kN x 2 = 23 kN Rope clamp: 4 kN	295 g
MINI TRAXION	P054AA00		7 to 11 mm	32 mm	●	93 %	Pulley: 10 kN x 2 = 20 kN Rope clamp: 4 kN	150 g
Prusik Pulleys								
MINI	P59A	CE EN 12278 NFPA 2500 Technical Use UKCA	7 to 11 mm	25 mm	●	91 %	2,5 kN x 2 = 5 kN	80 g
GEMINI	P66A	CE EN 12278 NFPA 2500 Technical Use UKCA	7 to 11 mm	25 mm	●	91 %	2 x 1,5 kN x 2 = 6 kN	135 g
MINDER	P60A	CE EN 12278 NFPA 2500 General Use UKCA XF 494 General Use	7 to 13 mm	51 mm	●	97 %	4 kN x 2 = 8 kN	295 g
TWIN	P65A	CE EN 12278 NFPA 2500 General Use UKCA XF 494 General Use	7 to 13 mm	51 mm	●	97 %	2 x 3 kN x 2 = 12 kN	450 g
Single Pulleys								
MOBILE	P03A	CE EN 12278 UKCA	7 to 13 mm	21 mm	-	71 %	2,5 kN x 2 = 5 kN	75 g
FIXE	P05W P05WN (1)	CE EN 12278 UKCA XF 494 Light Use	7 to 13 mm	21 mm	-	71 %	2,5 kN x 2 = 5 kN	90 g
Transport Pulleys								
REEVE	P005AA00	CE EN 12278 NFPA 2500 General Use UKCA XF 494 General Use	7 to 13 mm	38 mm	●	95 %	4 kN x 2 = 8 kN	650 g
TANDEM	P21	CE EN 12278 UKCA	Rope ≤ 13 mm	21 mm	-	71 %	10 kN	195 g
TANDEM SPEED	P21 SPE	CE EN 12278 UKCA	Rope ≤ 13 mm	27,5 mm	●	95 %	10 kN	270 g
KOOTENAY	P67	CE EN 12278 UKCA XF 494 Light Use	8 to 19 mm	76 mm	●	-	5 kN x 2 = 10 kN	1390 g
ROLLCAB	P47	CE EN 1909 UKCA	Cable ≤ 55 mm	55 mm	-	-	5 kN	1470 g
Haul System								
JAG SYSTEM	1 m P044AA00 2 m P044AA01 5 m P044AA02	EN 358 EAC UKCA	8 mm	-	●	91 %	6 kN	610 g 805 g 1460 g
JAG TRAXION	P54	CE EN 567 NFPA 2500 Technical Use UKCA	8 to 11 mm	25 mm	●	91 %	2 x 1,5 kN x 2 = 6 kN	145 g
JAG	P45	CE EN 12278 NFPA 2500 Technical Use UKCA	8 to 11 mm	25 mm	●	91 %	2 x 1,5 kN x 2 = 6 kN	120 g
TWIN RELEASE	P001DA00	CE EN 567 EN 12278 (4) NFPA 2500 Pulley General Use NFPA 2500 Rope Grab Techical Use (5) UKCA XF 494 Pulley General Use XF 494 Rope Grab Light Use	8 to 13 mm	40 mm 38 mm	●	95 %	280 kg	800 g

(1) Black pulleys, (2) CE based on the relevant requirements of the EN 12278 standard, (3) 3 kN per arm, more information in Instructions for Use,
(4) partial CE EN 12278: meets performance requirements of the CE EN 12278 standard, (5) system certification: ANSI Z359.4 Synthetic Rope Tackle Block
(more information in the Instructions for Use), (6) only for the PRO TRAXION.

ANCHORS

Anchors are the link between the safety system and the structure or terrain. To complement the standard anchor equipment, Petzl offers a lifeline device specific to horizontal progression and a complete set of accessories.

Rock and Concrete Anchors

Elements that allow installation of temporary or permanent fixed anchors.

COEUR BOLT STEEL

COEUR BOLT STAINLESS

COEUR BOLT HCR

COEUR PULSE 12 mm

COEUR STEEL

COEUR STAINLESS

COEUR HCR

COLLINOX

BATINOX

Rigging Equipment

Swivels provide a solution to help prevent twisting and tangling ropes, especially when hauling. Rigging plates allow the workstation to be organized and increase the number of anchoring options. Rings allow multiple anchors to be organized.

MICRO SWIVEL

SWIVEL OPEN

SWIVEL

PAW

RING

RING OPEN

Anchor Slings and Straps

Slings and anchor straps designed for setting up temporary anchors.

ANNEAU

ST'ANNEAU

PUR'ANNEAU

CONNEXION FIXE

CONNEXION VARIO

WIRE STROP

Quick-Adjustment Anchors

PROGRESS ADJUST-I

GRILLON

Temporary Horizontal Lifeline

GRILLON
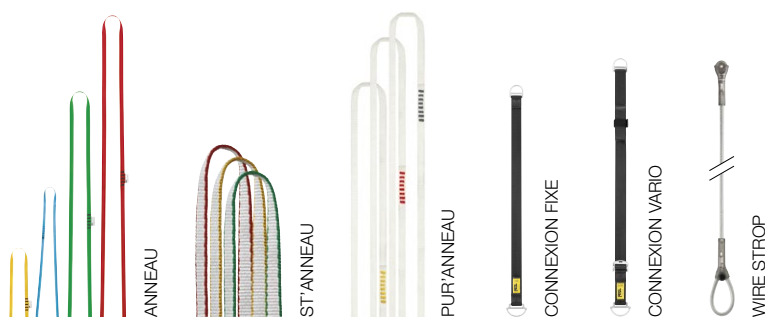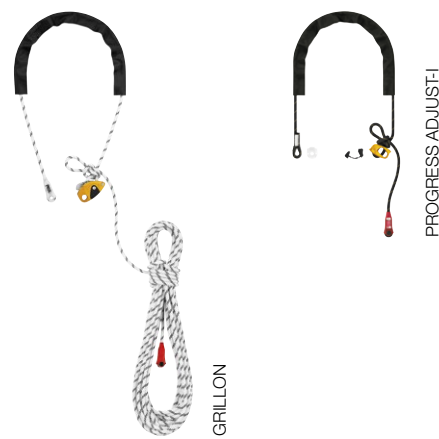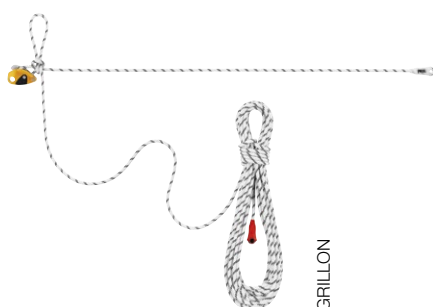
Anchor Straps for Tree Care

Friction savers for tree care.

EJECT

NAJA

TREESBEE

Rock and Concrete Anchors

COEUR BOLT STEEL/STAINLESS/HCR
Anchors comprised of a COEUR hanger, a nut, and a bolt (pack of 20)

Different steels suited to various environments
Petzl anchors (hangers and bolts) use different types of steels to adapt the anchor to the environment in which it is used:
• Standard steel, designed for interior uses or non-permanent installations: **COEUR BOLT STEEL**
• 316L high quality stainless steel, designed for typical exterior uses: **COEUR BOLT STAINLESS**
• HCR 904 (High Corrosion Resistance) stainless steel, designed for ultra-corrosive environments: **COEUR BOLT HCR**

Hangers (COEUR STEEL, COEUR STAINLESS and COEUR HCR) and bolts (BOLT STEEL, BOLT STAINLESS, and BOLT HCR) are also available separately (pack of 20).

COEUR PULSE 12 mm
Removable anchor with locking function
The COEUR PULSE 12 mm is a removable, high-quality stainless steel anchor that can be installed and removed for reuse very simply and rapidly without tools. The locking function limits the risk of accidental removal. The COEUR hanger can rotate during installation and when laterally loaded during use, allowing it to better align with the systems in place.

How to install and inspect
COEUR PULSE anchors

Ø 12 mm
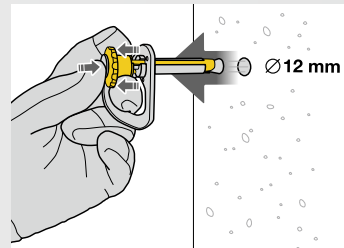
The anchor can be installed and removed for reuse very simply and rapidly, without tools.
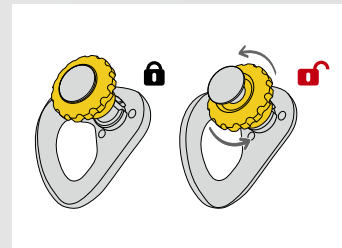
Manual screw-lock function limits the risk of involuntary removal.

COLLINOX
Forged stainless steel glue-in bolt (pack of 10)

AMPOULE COLLINOX
Resin glue for COLLINOX (pack of 10)

BAT'INOX
Forged stainless steel glue-in bolt (pack of 10)

AMPOULE BAT'INOX
Resin glue for BAT'INOX (pack of 10)

MICRO SWIVEL
Compact gated swivel
The compact, gated MICRO SWIVEL is designed for attachment to a locking carabiner. It helps prevent twisting of lanyards and allows correct positioning of devices. Its design without bearings allows it to turn freely when not loaded and to stop moving when loaded in order to hold the devices in position.

SWIVEL OPEN
Gated swivel with sealed ball bearings
The SWIVEL OPEN gated swivel features a large opening and can be attached to a wide range of products (such as pulleys or lanyards). It reduces the bulk and weight of component systems and solves the twisting and tangling problems of ropes and lanyards. Sealed ball bearings offer excellent performance and reliability.

SWIVEL
Ball bearing swivel
Available in two sizes, the SWIVEL prevents the rope from twisting when the load is turning. Sealed ball bearings offer excellent performance and reliability.

PAW
Rigging plate
Available in three sizes, the PAW rigging plate can be used to organize a workstation and set up multi-anchor systems. The hole design allows ropes or slings to be threaded for direct connection. Made of forged aluminum, it offers an excellent strength-to-weight ratio.

RING
Connection ring
The RING connection ring can be used to create multiple anchors or be installed directly onto the SEQUOIA and SEQUOIA SRT harnesses' attachment bridges to improve the arborist's lateral mobility.

RING OPEN
Multidirectional gated ring
See page 58 for details on the RING OPEN multidirectional gated ring.

Anchors

Anchor Slings and Straps

ANNEAU
Sewn sling

ANNEAU is an open loop sling available in four lengths, color-coded for easy identification of length.

ST'ANNEAU
Lightweight sewn sling

ST'ANNEAU is a lightweight alternative to classic slings, available in three lengths, with color coding for easy identification of length.

PUR'ANNEAU
Ultra-light sewn sling

PUR'ANNEAU is a very lightweight sling with exceptional durability, thanks to its high-modulus polyethylene construction. It is particularly supple, for easy handling. Available in three lengths, color-coded for easy identification of length.

CONNEXION FIXE
Anchor strap

CONNEXION FIXE is a durable anchor strap with two forged steel attachment points. It offers several configurations for setting up an anchor: directly to an anchor point or around a suitable structure. It is available in three lengths: 100, 150, and 200 cm.

CONNEXION VARIO
Adjustable anchor strap

CONNEXION VARIO is a durable and adjustable anchor strap equipped with two forged steel attachment points. It offers several configurations for setting up an anchor: directly to an anchor point or around a suitable structure. The strap length can be adjusted using the adjustment buckle. A system keeps the remaining webbing stowed. It is available in two lengths: 30 to 200 cm and 200 to 400 cm.

WIRE STROP
Anchor strap

WIRE STROP is an anchor strap made of 6.5 mm diameter galvanized steel with two terminations of different sizes. It offers several configurations for setting up an anchor: directly to an anchor point or around a suitable structure. The plastic sheath helps hold the connector in position and facilitates clipping. It is available in five lengths (50, 100, 150, 200, and 300 cm).

35 kN

23 kN

23 kN

Anchor strap with two terminations of different sizes. The plastic sheath helps hold the connector in position and facilitates clipping.
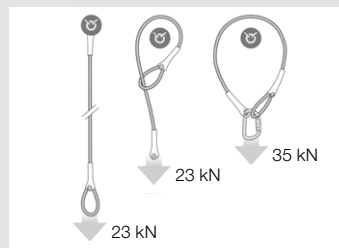
It offers several configurations for setting up an anchor: directly to an anchor point or around a suitable structure.

Quick-Adjustment Anchors

GRILLON Anchor
Quick-adjustment anchor
The adjustable GRILLON anchor can be used to quickly set a fixed anchor point. The length of rope required to set it is easily adjusted with the integrated self-locking device. The removable protective sheath allows smoother rope glide while protecting the rope from abrasive surfaces. It is available in four lengths.

PROGRESS ADJUST-I Anchor
Lightweight quick-adjustment anchor
Lightweight and compact, the PROGRESS ADJUST-I adjustable anchor can be used to quickly set up a fixed anchor point. The rope length required to set it up is easily adjusted with the ADJUST rope adjuster. The removable protective sheath protects the rope while enhancing rope glide. It is available in three lengths: 2, 3, and 5 m.

Temporary Horizontal Lifeline
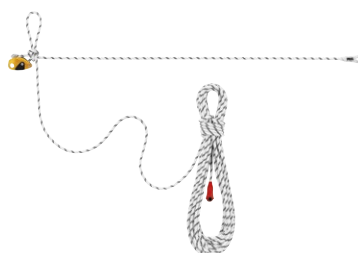
GRILLON lifeline
Temporary horizontal lifeline
GRILLON allows a horizontal lifeline to be installed quickly when there is a large work area to cover. The integrated self-blocking device allows easy adjustment of length, depending on the distance between two anchor points. It is available in four lengths to adapt to a variety of different situations.

Solar panel installation, France © 2022 Petzl Distribution - Vuedici.org - Laurent Moretton

Anchors

Anchor Straps for Tree Care

• Adjustable
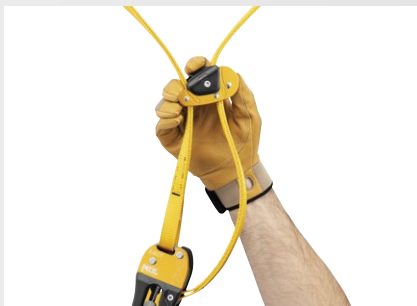
The EJECT and NAJA friction savers are adjustable so they can adapt to different branch diameters.

• Efficient
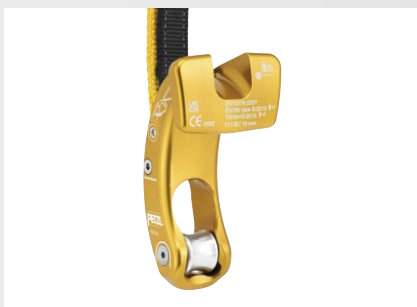
The EJECT and NAJA friction savers are both equipped with a pulley mounted on sealed ball bearings. This improves rope glide through the anchor and optimizes rope ascents and movement in the tree.

• Easily retrievable from the ground
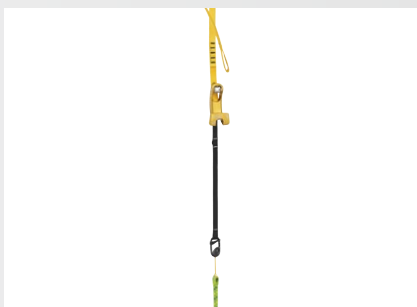
The EJECT and NAJA friction savers' thin construction reduces the risk of snagging during retrieval. The specially-designed retrieval balls make it easy to unlock the systems from the ground.

• EJECT: Adjustable friction saver with choking function

The adjuster on the EJECT friction saver allows you to precisely select the length of the strap to wrap or choke the tree trunk or branch. It is also possible to link two anchors for small branches. Unlocking the system is simple and quick, making it easy to retrieve from the ground.

EJECT adjustable friction saver

• NAJA: Friction saver featuring a strap with four different adjustment positions

The NAJA friction saver's adjustable strap has four different positioning loops, allowing you to better adapt to the diameter of the tree trunk or branch.

How to Use NAJA
on a Single Rope (SRS)

How to Use NAJA
on a Doubled Rope (MRS)

© 2022 Petzl Distribution - Marc Daviet - Canopée Verticale - Liber'Tree
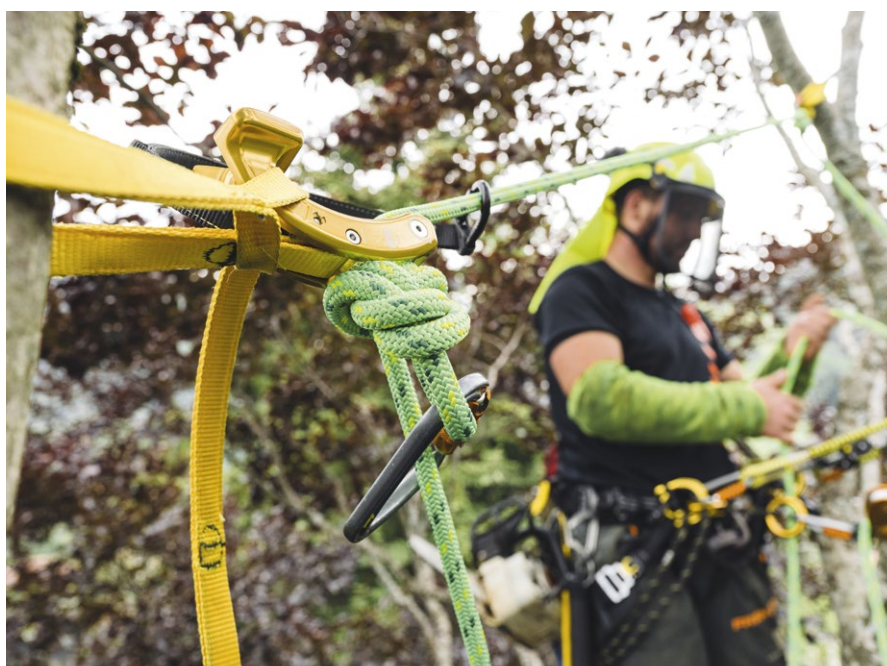
EJECT

Adjustable friction saver for tree care that is easily retrievable from the ground and has an integrated pulley and choking function

Designed for tree care, the EJECT friction saver allows the work rope to be set up without damaging the tree, even in narrow forks. It offers multiple setup configurations on one or two branches and has a choke adjuster that allows precise length adjustment of the friction saver. Rope ascents and movement in the tree are optimized with the very high-efficiency pulley, which facilitates rope glide at the anchor. The included retrieval ball makes the system easily retrievable from the ground.

Strap for EJECT

Strap for EJECT adjustable friction saver

This strap is specially designed for the EJECT adjustable friction saver. It can be used to replace the original strap or link two straps together to lengthen the friction saver and enable work on larger-diameter trees. It is available in two lengths: 150 and 250 cm.

Retrieval Ball for EJECT

Retrieval ball for EJECT adjustable friction saver

With a diameter of 21 mm, this retrieval ball is specially designed for the EJECT adjustable friction saver. It enables quick and easy system retrieval from the ground.

NAJA

Friction saver for tree care that is easily retrievable from the ground, with an integrated pulley and a strap with different adjustment positions

Designed for tree care, the NAJA friction saver allows the work rope to be set up without damaging the tree. The strap has four different adjustment positions to adapt to different branch diameters. Rope ascents and movement in the tree are optimized with the high-efficiency pulley, which facilitates rope glide at the anchor. The included retrieval ball makes the system easily retrievable from the ground.

Strap for NAJA

Strap for NAJA adjustable friction saver

This strap is specially designed for the NAJA adjustable friction saver. It can be used to replace the original strap or link two straps together to lengthen the friction saver and enable work on larger-diameter trees. It is available in two lengths: 150 and 250 cm.

Retrieval Ball for NAJA

Retrieval ball for NAJA adjustable friction saver

With a diameter of 21 mm, this retrieval ball is specially designed for the NAJA adjustable friction saver. It enables quick and easy system retrieval from the ground.

CUSTOM

Anchors

Anchor Straps for Tree Care

TREESBEE
Friction saver for tree care, designed for ropes with spliced terminations
The TREESBEE anchor strap is used to improve rope glide at the anchor while protecting the tree from abrasion. It is designed for ropes with spliced terminations (the splice goes through the small ring). The galvanized steel rings provide great durability.

		Certifications	Diameter	Shear Strength in 50 MPa Concrete	Pull-Out Strength in 50 MPa Concrete	Weight
Rock and Concrete Anchors						
COEUR BOLT STEEL	P36BA 10	EN 959	10 mm	23 kN	15 kN	110 g
	P36BA 12		12 mm	25 kN	18 kN	135 g
COEUR BOLT STAINLESS	P36BS 10	EN 959	10 mm	25 kN	15 kN	110 g
	P36BS 12		12 mm		18 kN	135 g
COEUR BOLT HCR	P36BH 12	EN 959	12 mm	25 kN	18 kN	145 g
COEUR STEEL	P36AA 10	EN 795 A	10 mm	-	-	65 g
	P36AA 12		12 mm			60 g
COEUR STAINLESS	P36AS 10	EN 795 A	10 mm	-	-	65 g
	P36AS 12		12 mm			60 g
COEUR HCR	P36AH 12	EN 795 A	12 mm	-	-	60 g
COEUR PULSE 12 mm	G037BA00	CE EN 795 B, EN 959 TS 16415 UKCA GB 30862 Type B	12 mm	25 kN	20 kN	140 g
COLLINOX	G100AA00	EN 959	10 mm	25 kN	15 kN	95 g
AMPOULE COLLINOX	G101AA00	-	-	-	-	14 g
BAT'INOX	G102AA00	EN 959	14 mm	25 kN	15 kN	250 g
AMPOULE BAT'INOX	G103AA00	-	-	-	-	20 g

		Certifications	Breaking Strength	Weight
Rigging Equipment				
MICRO SWIVEL	P58 XSO	CE, EAC, UKCA	23 kN	75 g
SWIVEL OPEN	P58 SO	CE NFPA 2500 Technical Use EAC UKCA	23 kN	130 g
SWIVEL	S P58 S	CE NFPA 2500 Technical Use EAC UKCA	23 kN	95 g
	L P58 L	CE NFPA 2500 General Use EAC UKCA	36 kN	150 g
PAW	S G063AA00 / G063AA01 (1)	CE NFPA 2500 General Use UKCA	36 kN	60 g
	M G063BA00 / G063BA01 (1)		45 kN	180 g
	L G063CA00 / G063CA01 (1)		50 kN	350 g
RING	S C04620	CE UKCA	23 kN	40 g
	L C04630			70 g

		Certifications	Length	Breaking Strength	Weight
Anchor Slings and Straps					
ANNEAU	C40A 60 / C40 60N (1)	CE EN 566 CE EN 795 B EAC UKCA GB 30862 Type B XF 494 Light Use	60 cm	22 kN	60 g
	C40A 80 / C40 80N (1)		80 cm		80 g
	C40A 120 / C40120 N (1)		120 cm		100 g
	C40A 150		150 cm		135 g
ST'ANNEAU	C07 24	CE EN 795 B UKCA GB 30862 Type B XF 494 Light Use	24 cm	22 kN	10 g
	C07 60		60 cm		20 g
	C07 120		120 cm		40 g
PUR'ANNEAU	G006AA00	CE EN 795 B UKCA	60 cm	22 kN	18 g
	G006AA01		120 cm		32 g
	G006AA02		180 cm		48 g
CONNEXION FIXE	G010AA00	CE EN 795 B NFPA 2500 General Use ANSI Z359.18 CSA Z259.15-17 UKCA	100 cm	25 kN	355 g
	G010AA01		150 cm		415 g
	G010AA02		200 cm		475 g
CONNEXION VARIO	G011AA00		30 - 200 cm	25 kN	810 g
	G011AA01		200 - 400 cm		950 g
WIRE STROP	G200AA00	CE EN 795 B CE EN 354 TS 16415 (2) NFPA 2500 Technical Use ANSI Z359.18 UKCA GB 30862 Type B XF 494 Light Use	50 cm	23 kN	220 g
	G200AA01		100 cm		320 g
	G200AA02		150 cm		420 g
	G200AA03		200 cm		520 g
	G200AA04		300 cm		720 g
Quick-Adjustment Anchors and Temporary Horizontal Lifeline					
GRILLON Anchor GRILLON Lifeline	L052AA00	CE EN 795 B & C EAC	2 m	-	480 g
	L052AA01		3 m	-	560 g
	L052AA02		4 m	-	640 g
	L052AA03		5 m	-	720 g
	L052AA04		10 m	-	1075 g
	L052AA05		15 m	-	1475 g
	L052AA06		20 m	-	1875 g
PROGRESS ADJUST-I Anchor	L044BA01	CE EN 795 B EAC UKCA GB 24543 GB 30862 Type B	2 m	-	300 g
	L044BA02		3 m	-	370 g
	L044BA03		5 m	-	510 g
Anchor Straps for Tree Care					
EJECT	G001AA00	CE EN 795 B, EN 12278 TS 16415, EAC, UKCA	150 cm	25 kN	490 g
Strap for EJECT	G002AA00	-	150 cm	-	140 g
	G002AA01	-	250 cm	-	225 g
Retrieval Ball for EJECT	G003AA00	-	-	-	8 g
NAJA	G004AA00	CE EN 795 B, EN 12278 TS 16415, UKCA	150 cm	25 kN	400 g
Strap for NAJA	G004BA00	-	150 cm	-	140 g
	G004BA01	-	250 cm	-	230 g
Retrieval Ball for NAJA	G004CA00	-	-	-	8 g
TREESBEE	G040AA00	CE EN 795 B TS 16415, EAC, UKCA	90 cm	23 kN	420 g
	G040AA01		110 cm		440 g

(1) Black, (2) two-person usage

ROPES

The line of Petzl ropes is designed for professionals in the vertical world. They offer effective solutions for the requirements of various activities: rope access, technical rescue, industry.

Climber rescue training in Mallos de Riglos, Spain © 2023 Petzl Distribution - Vuedici.org - GREIM - GUARDIA CIVIL

Low Stretch Kernmantle Ropes

For Work at Height
Standard diameter low stretch kernmantle rope provides a good grip for easier handling.

AXIS 11 mm

For Rope Access
Low stretch kernmantle rope with small diameter provides very good performance in terms of flexibility and weight.

PARALLEL 10.5 mm

For Rescue
Low stretch kernmantle rope with a large diameter provides great strength and excellent handling when working with heavy loads.

VECTOR 12.5 mm

For Tree Care
Low stretch kernmantle rope with splice provides optimal performance when used with the ZIGZAG and ZIGZAG PLUS mechanical Prusiks.
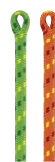
FLOW 11.6 mm

CONTROL 12.5 mm

Static Ropes

For long descents, when intermediate anchors are not possible.

RAY 11 mm

Dynamic Rope

For progression using rock climbing techniques.

MAMBO 10.1 mm

Technical Cord

Cord for setting up Prusik hitches, anchors, or haul systems.

SEGMENT 8 mm

Accessory Cord

Cord for guiding a victim during rescue or for hauling equipment.
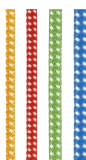
Cords 4, 5, 6, 7 mm

Rope Accessories

Professional rope accessories.

Identification Label for Petzl Ropes

Rope End Identification Kit

Rope Protectors

Devices that protect the rope at friction zones.

PROTEC

PROTEC PLUS

ROLLER COASTER

Ropes

Low Stretch Kernmantle Ropes

A specific construction for each use and a choice of lengths and colors according to user needs.

Ever Flex

• EverFlex technology: provides flexibility and handling over time

This technology provides great flexibility over time and under many different conditions (such as water, dust, and mud). The flexibility allows it to maintain consistent handling over the long run and perform optimally with devices.

• Multiple certifications

Petzl low stretch kernmantle ropes are certified to the following standards:
- European: CE EN 1891 type A
- American: NFPA 2500 (except FLOW 11.6 mm and CONTROL 12.5 mm, which allow working in compliance with the ANSI Z133 standard)
- Russian: EAC

• Available in several lengths and colors

Petzl low stretch kernmantle ropes come in several standard lengths, according to user needs and activities.

For work at height, rope access work and rescue
They are also available in six colors for easy differentiation of kits, work ropes, safety ropes, and collective access ropes.

For tree care
They are available in two colors, to differentiate working ropes from access ropes.

• Petzl Custom for ropes

i+

CUSTOM

Petzl Custom allows you to choose:
- Rope color
- Rope length
- Type of termination (sewn or not, only on low stretch kernmantle ropes)

• For work at height

Standard diameter low stretch kernmantle rope provides a good grip and compatibility with most devices.

• For rope access

Low stretch kernmantle rope with small diameter provides very good performance in terms of flexibility and weight.

• For rescue

Low stretch kernmantle rope with a large diameter provides great strength and excellent handling when working with heavy loads.

• For tree care

Low stretch kernmantle rope with splice provides optimal performance when used with the ZIGZAG and ZIGZAG PLUS mechanical Prusiks.

$\varnothing$ 11,6 mm

$\varnothing$ 12,5 mm

AXIS 11 mm
Low stretch kernmantle rope with good handling for work at height
The AXIS 11 mm low stretch kernmantle rope is designed for work at height. The standard diameter provides a good grip for easier handling. EverFlex technology provides great flexibility and consistent performance over time. Rope available in six colors and four lengths.

PARALLEL 10.5 mm
Low stretch kernmantle rope, flexible and lightweight for rope access
The PARALLEL 10.5 mm low stretch kernmantle rope is designed for rope access. The small diameter provides very good performance in terms of flexibility and weight. It has low elongation when under tension, increasing efficiency at the start of a rope ascent. EverFlex technology provides great flexibility and consistent performance over time. Rope available in six colors and four lengths.

VECTOR 12.5 mm
Low stretch kernmantle, high-strength rope with excellent handling, for rescue
The VECTOR 12.5 mm low stretch kernmantle rope is designed for rescue. The very large diameter provides great strength and excellent grip when handling heavy loads. EverFlex technology provides great flexibility and consistent performance over time. Rope available in six colors and four lengths.

FLOW 11.6 mm
Flexible and lightweight low stretch kernmantle rope, for tree care
The FLOW 11.6 mm low stretch kernmantle rope is designed for tree care. The small diameter provides very good performance in terms of flexibility and weight. It has low stretch when loaded, increasing efficiency when moving through the tree. EverFlex technology provides great flexibility and handling over time. It comes with a splice at one end for optimal rope glide through devices like a friction saver or pulley, and through tree branches. The small size of the splice allows it to pass through the friction chain of the ZIGZAG and ZIGZAG PLUS mechanical Prusiks. Rope available in two colors and three lengths.

CONTROL 12.5 mm
Low stretch kernmantle, high-strength rope with excellent handling, for tree care
The CONTROL 12.5 mm low stretch kernmantle rope is designed for tree care. The large diameter provides high strength and excellent grip. EverFlex technology provides great flexibility and handling over time. It comes with a splice at one end for optimal rope glide through devices like a friction saver or pulley, and through tree branches. The small size of the splice allows it to pass through the friction chain of the ZIGZAG and ZIGZAG PLUS mechanical Prusiks. Rope available in two colors and three lengths.

▶ Install a CONTROL rope in a ZIGZAG mechanical Prusik

Ropes

Static Ropes

RAY 11 mm
Static kernmantle rope with good grip for work at height and technical rescue
The RAY 11 mm static rope is designed for work at height and technical rescue involving long descents when intermediate anchors are not possible. It has low elongation under load for optimal precision during progression and positioning. The standard diameter provides a good grip for easier handling. EverFlex technology provides great flexibility and consistent performance over time. Rope available in four colors and four lengths.

Dynamic Rope

MAMBO® 10.1 MM
Dynamic rope for progression using climbing techniques
The 10.1 mm diameter MAMBO dynamic rope is designed for work at height professionals who use climbing techniques for progression. The thick sheath improves abrasion resistance.

Technical Cord

SEGMENT 8 mm
Technical cord
The SEGMENT 8 mm technical accessory cord is used when setting up Prusik hitches, anchors, or haul systems. EverFlex construction provides great flexibility and consistent performance over time. Cord available in three lengths.

Accessory Cord

Cords
Accessory cords
These rugged and durable cords are for guiding a victim during rescue or for hauling equipment. Available in four diameters, in a 120-meter roll.

Rope Accessories

Rope End Identification Kit
The rope end identification kit can be used to replace old labels or to identify individual ropes for professional uses. It contains twenty pre-printed labels and twenty heat-shrink sheaths compatible with 10.5 to 13 mm ropes.

Identification Label for Petzl Ropes
Identification labels for marking Petzl professional ropes (pack of 10 pairs)
The identification labels can be used to replace old labels or establish a tracking system in order to more easily identify individual Petzl AXIS 11 mm, PARALLEL 10.5 mm, and RAY 11 mm ropes. They can quickly be installed on the end of the rope without using a tool. The labels are rigid, allowing for clear readability and longer-lasting markings.
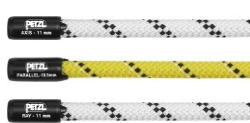
	References
Rope End Identification Kit	R002AA00
Identification Label for Petzl Ropes	R004BA00 (AXIS 11mm) / R004AA00 (PARALLEL 10.5 mm) / R004CA00 (RAY 11 mm)

Rope Protectors

PROTEC
Flexible protection for a fixed rope
The PROTEC flexible protector is designed to protect a fixed rope from abrasion when working at height or during rescue. Easy to install and durable, it's made for regular to intensive use. Versatile, PROTEC fits most rope diameters used by professionals, as well as anchor straps.

PROTEC PLUS
High-strength flexible protection for a fixed rope
With the help of its aramid construction, the PROTEC PLUS flexible protector is designed to protect a fixed rope from particularly abrasive surfaces or heat when working at height or during rescue. Easy to install and versatile, PROTEC PLUS fits most rope diameters used by professionals, as well as anchor straps.

ROLLER COASTER
Reversible rope protector on bearings for a moving rope
The ROLLER COASTER protector is designed to help protect a moving rope from abrasion. Reversible, with different frame shapes on either side that allow it to adapt to flat or angled surfaces. Multiple connection holes allow the use of different attachment methods. It's possible to connect multiple modules to better adapt to different types of terrain.

		Colors	Lengths	European Certification	US Certification	Russian Certification	Chinese Certification	Weight per Meter
Low Stretch Kernmantle Ropes								
AXIS 11 mm	R074AA03	White	50 m	CE EN 1891 type A UKCA	NFPA 2500 Technical Use	EAC	XF 494 Light Use	82 g
	R074AA04	Yellow						
	R074AA05	Black						
	R074AA38	Blue						
	R074AA39	Red						
	R074AA40	Orange						
	R074AA09	White	100 m					
	R074AA10	Yellow						
	R074AA11	Black						
	R074AA12	Blue						
	R074AA13	Red						
	R074AA14	Orange						
	R074AA21	White	200 m					
	R074AA22	Yellow						
	R074AA23	Black						
	R074AA24	Blue						
	R074AA25	Red						
	R074AA26	Orange						
	R074AA28	White	500 m					
	R074AA00	White	150 ft					
	R074AA01	Yellow						
	R074AA02	Black						
	R074AA35	Blue						
	R074AA36	Red						
	R074AA37	Orange						
	R074AA06	White	200 ft					
	R074AA07	Yellow						
	R074AA08	Black						
	R074AA41	Blue						
	R074AA42	Red						
	R074AA43	Orange						
	R074AA15	White	600 ft					
	R074AA16	Yellow						
	R074AA17	Black						
	R074AA18	Blue						
	R074AA19	Red						
	R074AA20	Orange						
	R074AA27	White	1200 ft					

Ropes

		Colors	Lengths	European Certification	US Certification	Russian Certification	Chinese Certification	Weight per Meter
Low Stretch Kernmantle Ropes								
PARALLEL 10.5 mm	R077AA03	White	50 m	CE EN 1891 type A UKCA	NFPA 2500 Technical Use	EAC	XF 494 Light Use	75 g
	R077AA04	Yellow						
	R077AA05	Black						
	R077AA35	Blue						
	R077AA36	Red						
	R077AA37	Orange						
	R077AA09	White	100 m					
	R077AA10	Yellow						
	R077AA11	Black						
	R077AA12	Blue						
	R077AA13	Red						
	R077AA14	Orange						
	R077AA21	White	200 m					
	R077AA22	Yellow						
	R077AA23	Black						
	R077AA24	Blue						
	R077AA25	Red						
	R077AA26	Orange						
	R077AA28	White	500 m					
VECTOR 12.5 mm	R078AA03	White	50 m	CE EN 1891 type A UKCA	NFPA 2500 General Use	EAC	XF 494 Light Use	111 g
	R078AA04	Yellow						
	R078AA05	Black						
	R078AA38	Blue						
	R078AA39	Red						
	R078AA40	Orange						
	R078AA09	White	100 m					
	R078AA10	Yellow						
	R078AA11	Black						
	R078AA12	Blue						
	R078AA13	Red						
	R078AA14	Orange						
	R078AA21	White	200 m					
	R078AA22	Yellow						
	R078AA23	Black						
	R078AA24	Blue						
	R078AA25	Red						
	R078AA26	Orange						
	R078AA28	White	500 m					
	R078AA00	White	150 ft					
	R078AA01	Yellow						
	R078AA02	Black						
	R078AA35	Blue						
	R078AA36	Red						
	R078AA37	Orange						
	R078AA06	White	200 ft					
	R078AA07	Yellow						
	R078AA08	Black						
	R078AA41	Blue						
	R078AA42	Red						
	R078AA43	Orange						
	R078AA15	White	600 ft					
	R078AA16	Yellow						
	R078AA17	Black						
	R078AA18	Blue						
	R078AA19	Red						
	R078AA20	Orange						
	R078AA27	White	1200 ft					

		Colors	Lengths	European Certification	US Certification	Russian Certification	Chinese Certification	Weight per Meter
Low Stretch Kernmantle Ropes								
FLOW 11.6 mm	R079AA00	Green	35 m	CE EN 1891 type A UKCA	ANSI Z133	-	-	102 g
	R079AA01	Orange						
	R079AA02	Green	45 m					
	R079AA03	Orange						
	R079AA04	Green	60 m					
	R079AA05	Orange						
CONTROL 12.5 mm	R080AA00	Green	35 m	CE EN 1891 type A UKCA	ANSI Z133	-	-	115 g
	R080AA01	Orange						
	R080AA02	Green	45 m					
	R080AA03	Orange						
	R080AA04	Green	60 m					
	R080AA05	Orange						
Static Ropes								
RAY 11 mm	R100AA00	White	150 ft	-	ANSI Z359.15 ANSI Z459.1 NFPA 2500 Technical Use CI 1801	-	-	98 g
	R100AA01	Black						
	R100AA02	Yellow						
	R100AA03	Blue						
	R100AA04	White	200 ft					
	R100AA05	Black						
	R100AA06	Yellow						
	R100AA07	Blue						
	R100AA08	White	600 ft					
	R100AA09	Black						
	R100AA10	Yellow						
	R100AA11	Blue						
	R100AA12	White	1200 ft					
Dynamic Rope								
MAMBO 10.1 mm	R32AC 050	Turquoise	50 m	CE EN 892 UIAA UKCA	-	-	GB/T 23268.1	65 g
	R32AD 050	Green						
	R32AC 060	Turquoise	60 m					
	R32AD 060	Green						
	R32AC 070	Turquoise	70 m					
	R32AD 070	Green						
Technical Cord								
SEGMENT 8 mm	R076AA00	White	50 m	CE EN 564 UKCA	NFPA 2500 Escape Use	-	-	43 g
	R076AA03		100 m					
	R076AA06		200 m					
Accessory Cord								
Cords	4 mm R044AA00	Orange	120 m	CE EN 564 UKCA	-	-	-	10 g
	5 mm R045AA00	Red						15 g
	6 mm R046AA00	Green						24 g
	7 mm R047AA00	Blue						31 g
Rope Protectors								
PROTEC	R003AA00	-	-	-	-	-	-	130 g
PROTEC PLUS	R003BA00	-	-	-	-	-	-	135 g
ROLLER COASTER	R005AA00	-	-	-	-	-	-	470 g

PACKS AND ACCESSORIES

To work comfortably, you need the right tools: packs, gloves, and accessories.
Petzl offers an entire range of innovative accessories, the result of numerous years of experience in the field.

Wind turbine inspection, Portugal © 2023 Petzl Distribution - Vuedici.org - GRWind - Mafomedes wind farm

Transport Bags
Robust and comfortable, these large-capacity bags are designed for organizing and transporting equipment to the worksite.

DUFFEL 65

DUFFEL 85

Packs
Comfortable and durable, these packs are designed for organizing and carrying equipment in a vertical environment.

NEW 2024

NEW 2024

NEW 2024

TRANSPORT 30

TRANSPORT 45

TRANSPORT 60

Freestanding Bags
Even when empty, these bags maintain their shape when placed on the ground, for easy access to the equipment inside.

BUCKET 15

BUCKET 30

BUCKET 45

TARP PRO

Tree Care Accessories
Specific products that help with placing an access rope in a tree.

JET

AIRLINE

ECLIPSE

Gloves
Protective gloves.

CORDEX

CORDEX PLUS

CUSTOM

Accessories

MINO

SPATHA

CRAB 6

Packs and Accessories

Transport Bags

DUFFEL 65

DUFFEL 85

DUFFEL 65/85
Transport bag

Designed to be carried on any means of transport, the DUFFEL bags are ergonomic and comfortable. Padded back and shoulder straps make them comfortable to carry as a backpack. Removable shoulder straps make these bags versatile, providing different carrying options. The large opening allows easy access to equipment, including two pockets in the inner flap and a large side pocket for a helmet or shoes. A large transparent area allows rapid identification of the bag. Constructed with high-strength TPU tarp material, these bags are built for intensive use. The DUFFEL bags are available in two sizes: 65 or 85 liters, and in two colors: yellow/black or black.

Large D-shaped opening for easy equipment organization.

Padded, adjustable back and shoulder straps for comfortable carrying.

Packs

NEW 2024

TRANSPORT 30

NEW 2024

TRANSPORT 45

NEW 2024

TRANSPORT 60

TRANSPORT 30/45/60
Durable pack

Designed for regular to intensive use, the TRANSPORT packs are comfortable and durable. The back panel and shoulder straps are padded with thermoformed foam to optimize comfort, even when carrying heavy loads. They are constructed with high-strength TPU tarp material to withstand intensive use without premature wear. With a practical, freestanding design, they can also be hauled, hung open at a workstation, or carried using one of the three durable handles. The TRANSPORT 45 and TRANSPORT 60 have a waistbelt to distribute the weight of the pack. They are available in three sizes: 30, 45, or 60 liters, and in two colors: yellow/black or black.

Back panel and shoulder straps are padded with thermoformed foam to optimize comfort when carrying heavy loads.

TRANSPORT was designed to stay upright. The user can easily access their equipment, even when the pack is sitting open on the ground.

Window cleaning, Sweden © 2023 Petzl Distribution - Lafouche - VYN AB - The Point

Freestanding Bags

BUCKET 15

BUCKET 30

BUCKET 45

BUCKET 15/30/45
Freestanding bag
Simple and durable, BUCKET rope bags allow you to store up to 185 meters of 11 mm diameter rope. They're freestanding and keep their shape, even when empty, for easy access to the inside of the bag. They have an exterior pocket to store personal items and a marking area to quickly identify the contents of the bag. Made with TPU tarp material, they're designed to withstand regular to intensive use. The BUCKET 30 and BUCKET 45 are equipped with shoulder straps so they can be carried like a backpack. They are available in three sizes: 15, 30, or 45 liters, and in three colors: yellow, red, or black.

BUCKET bags can store 11 mm ropes:
- 45 meters of rope (BUCKET 15)
- 110 meters of rope (BUCKET 30)
- 185 meters of rope (BUCKET 45)

A roll top closure provides optimal protection against moisture.

TARP PRO
Large rope tarp
TARP PRO is a large rope tarp. It provides a 100 x 100 cm area to protect the rope from dust and dirt and can be quickly and easily stored in the BUCKET 30 or BUCKET 45 rope bags.

Packs and Accessories

Tree Care Accessories

JET
Throw-bag
Double-layer construction gives the JET throw-bag excellent longevity. Streamlined shape facilitates passage through tree branches. It is available in three versions: 250, 300, and 350 g.

AIRLINE
Throw-line
The AIRLINE throw-line offers an excellent compromise between flexibility and rigidity, for an accurate throw without the formation of knots as it comes out of the bag. The excellent sheath-core bond maintains a round cross section, providing good rope glide through the tree. It is available in two lengths: 60 and 300 meters.

ECLIPSE
Storage for throw-line
ECLIPSE provides easy storage for AIRLINE throw-lines and JET throw-bags. The double bottom allows two throw-lines to be stored separately. Once folded into the small bag, it all fits perfectly into the BUCKET.

JET throw-bag

⚠ **WARNING**
for California Residents

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information, go to www.P65Warnings.ca.gov

Gloves

CORDEX
Lightweight belay/rappel gloves
These lightweight belay/rappel gloves combine the durability of a work glove with the precise fit and dexterity of a thinner glove. Double-layered leather protects the palm and other high-wear areas. The back is made of abrasion-resistant, breathable stretch nylon, providing comfort and fit. The low profile neoprene cuff with Velcro closure features a reinforced carabiner hole for attaching the gloves to your harness.

CORDEX PLUS
Belay/rappel gloves
These medium weight belay/rappel gloves offer extra protection without sacrificing dexterity. Double-layer leather and padding protect the palm from heat generated during long rappels or lowers. Fingertips and other high-wear areas are reinforced for increased durability. The back is made of leather with abrasion-resistant stretch nylon at key flex areas. The low profile neoprene cuff with Velcro closure features a reinforced carabiner hole for attaching the gloves to your harness.

CORDEX and CORDEX PLUS gloves

⚠ **WARNING**
for California Residents

This product can expose you to chemicals including hexavalent chromium, which is known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information, go to www.P65Warnings.ca.gov

Accessories

MINO
Non-PPE accessory carabiner
MINO is a small, lightweight accessory carabiner ideal for hanging accessories on your harness. It is ergonomic and easy to use, even with gloves. MINO is sold individually or with two additional accessories (CAPTIV-type anti-rotation bar and LOCK-type locking bar). This product is not PPE (Personal Protective Equipment).

SPATHA
Clippable knife
The SPATHA knife is designed to accompany the worker at height during all daily tasks. The profile of the blade allows easy cutting of ropes and cords. It has a carabiner hole for easily attaching the knife to the harness. It is easy to manipulate with its textured wheel, even when wearing gloves, and can be locked in the open position.

CRAB 6
6-point crampons
Six-point crampons, adaptable to all shoe sizes, used for moving over talus and snow- and ice-covered slopes.

			Capacity	Weight
Transport Bags				
DUFFEL 65		S045AA00 (yellow)	65 l	1350 g
		S045AA02 (black)		
DUFFEL 85		S045AA01 (yellow)	85 l	1550 g
		S045AA03 (black)		
Packs				
NEW2024 TRANSPORT 30		S042AA00 (yellow/black)	30 l	1300 g
		S042AA01 (black)		
NEW2024 TRANSPORT 45		S042BA00 (yellow/black)	45 l	1530 g
		S042BA01 (black)		
NEW2024 TRANSPORT 60		S042CA00 (yellow/black)	60 l	1780 g
		S042CA01 (black)		
Freestanding Bags				
BUCKET 15		S001AA00 (yellow)	15 l	465 g
		S001BA00 (red)		
		S001CA00 (black)		
BUCKET 30		S001AA01 (yellow)	30 l	735 g
		S001BA01 (red)		
		S001CA01 (black)		
BUCKET 45		S001AA02 (yellow)	45 l	890 g
		S001BA02 (red)		
		S001CA02 (black)		
TARP PRO		S001DA00	-	210 g
Tree Care Accessories				
JET		S02Y 250	-	250 g
		S02Y 300	-	300g
		S02Y 350	-	350 g
AIRLINE		R02Y 060	-	2,1 g/m
		R02Y 300	-	2,1 g/m
ECLIPSE		S03Y	-	500 g

		Size		Hand Circumference	Color	Certifications
Gloves						
CORDEX		K52 SN	S	8	20 cm	Black	CE EN 21420 EN 388 (3123) EAC UKCA
		K52 MN	M	8,5	21,5 cm		
		K52 LN	L	9	23 cm		
		K52 XLN	XL	9,5	24,5 cm		
		K52 XST	XS	7,5	19 cm	Beige	
		K52 ST	S	8	20 cm		
		K52 MT	M	8,5	21,5 cm		
		K52 LT	L	9	23 cm		
		K52 XLT	XL	9,5	24,5 cm		
CORDEX PLUS		K53 SN	S	8	20 cm	Black	CE EN 21420 EN 388 (3123) EAC UKCA
		K53 MN	M	8,5	21,5 cm		
		K53 LN	L	9	23 cm		
		K53 XLN	XL	9,5	24,5 cm		
		K53 XST	XS	7,5	19 cm	Beige	
		K53 ST	S	8	20 cm		
		K53 MT	M	8,5	21,5 cm		
		K53 LT	L	9	23 cm		
		K53 XLT	XL	9,5	24,5 cm		

Accessories		
MINO	M007AA00 (no accessory)	M007BA00 (with accessories)
SPATHA	S92AN	
CRAB 6	64160	

KITS

Helping users to easily get equipped or to update their equipment, Petzl proposes kits for installing a temporary vertical lifeline, protecting falls, work positioning, or evacuating a victim.

Maintenance operations on a communication tower, Belgium © 2023 Petzl Distribution - Vuedici.org - Monnaie

Temporary Vertical Lifelines and Fall-Arrest Kits

Temporary vertical lifelines and ready-to-use kits designed for belaying and fall protection.
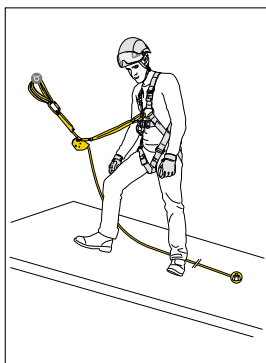
ASAP VERTICAL LIFELINE

ASAP FALL ARREST KIT
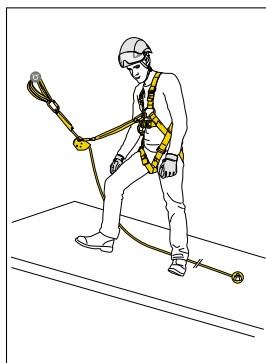
NEW 2024 ABSORBICA-Y FALL ARREST KIT
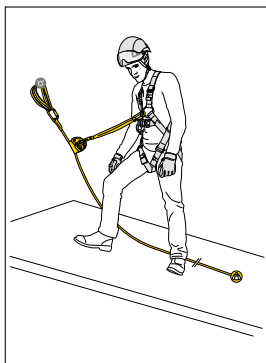
ASAP LOCK VERTICAL LIFELINE
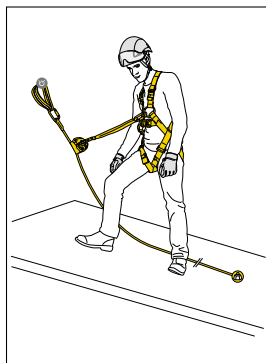
ASAP LOCK FALL ARREST KIT

Fall-Arrest and Work-Positioning Kits

Ready-to-use kit designed to protect against falls and for positioning at a workstation.
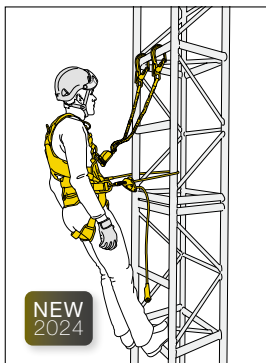
NEW 2024 FALL ARREST AND WORK POSITIONING KIT

Rescue Kit

Ready-to-use kit, designed to pick off and lower a victim.
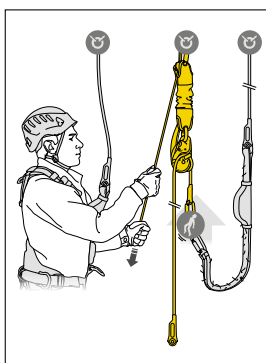
JAG RESCUE KIT

CUSTOM

Kits

Temporary Vertical Lifelines and Fall-Arrest Kits
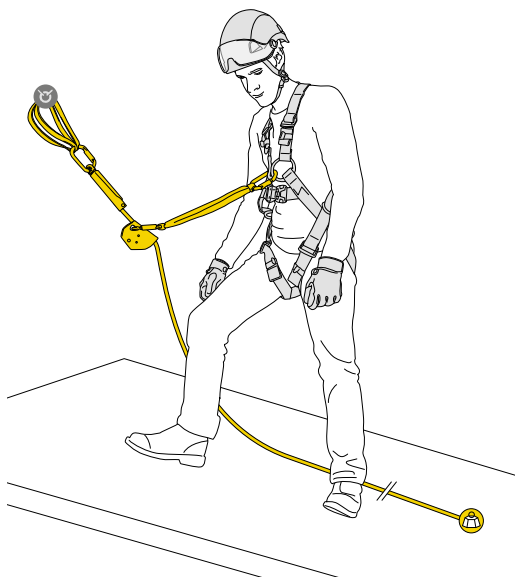
ASAP® VERTICAL LIFELINE

Vertical lifeline for protection against falls with ASAP mobile fall arrester

ASAP VERTICAL LIFELINE is a temporary vertical lifeline designed for belaying and to protect against falls from height. It contains an ASAP mobile fall arrester, an ASAP'SORBER energy absorber, three OK TRIACT-LOCK carabiners, an ANNEAU open loop sling, an ASAP'AXIS 11 mm rope with sewn termination and integrated energy dissipater, a weight, and a BUCKET bag. It is available in two lengths.

ASAP	ASAP'SORBER	OK TRIACT-LOCK	ANNEAU	ASAP'AXIS 11 mm	BUCKET 30
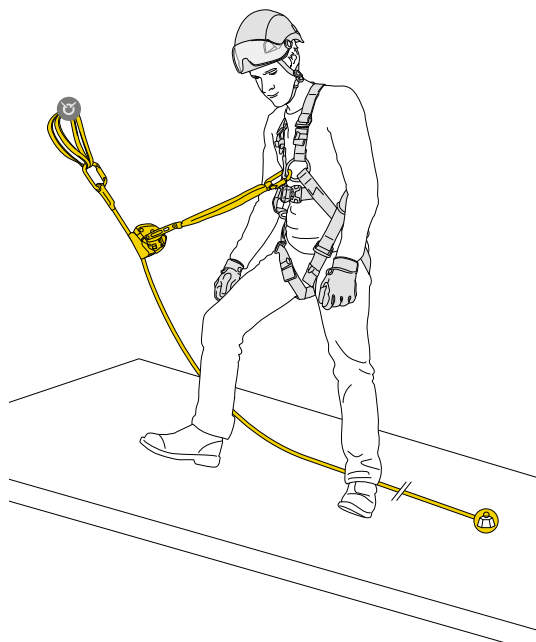
ASAP® LOCK VERTICAL LIFELINE

Vertical lifeline for protection against falls with ASAP LOCK mobile fall arrester

ASAP LOCK VERTICAL LIFELINE is a temporary vertical lifeline designed for belaying and to protect against falls from height. It contains an ASAP LOCK mobile fall arrester with locking function, an ASAP'SORBER energy absorber, two OK TRIACT-LOCK carabiners, an ANNEAU open loop sling, an AXIS 11 mm rope with sewn termination, a weight, and a BUCKET bag. It is available in two lengths.

ASAP LOCK	ASAP'SORBER	OK TRIACT-LOCK	ANNEAU	AXIS 11 mm	BUCKET 30

▶ How to use the ASAP and ASAP LOCK on a lifeline
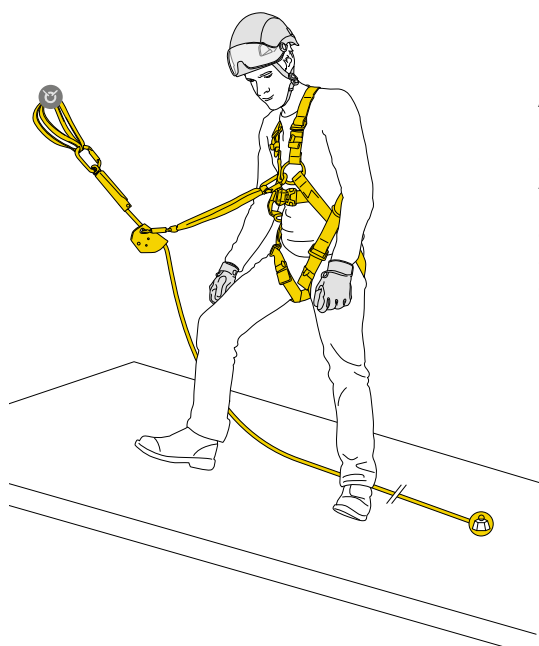
ASAP® FALL ARREST KIT
Kit for protection against falls, with NEWTON harness and ASAP mobile fall arrester

ASAP FALL ARREST KIT is a ready-to-use kit designed to protect against falls from height. It contains a NEWTON fall-arrest harness, an ASAP mobile fall arrester, an ASAP'SORBER energy absorber, three OK TRIACT-LOCK carabiners, an ANNEAU open loop sling, an ASAP'AXIS 11 mm rope with sewn termination and integrated energy dissipater, a weight, and a BUCKET bag. The kit is available in two sizes and two lengths.

NEWTON   ASAP   ASAP'SORBER

OK TRIACT-LOCK   ANNEAU   ASAP'AXIS 11 mm   BUCKET 30
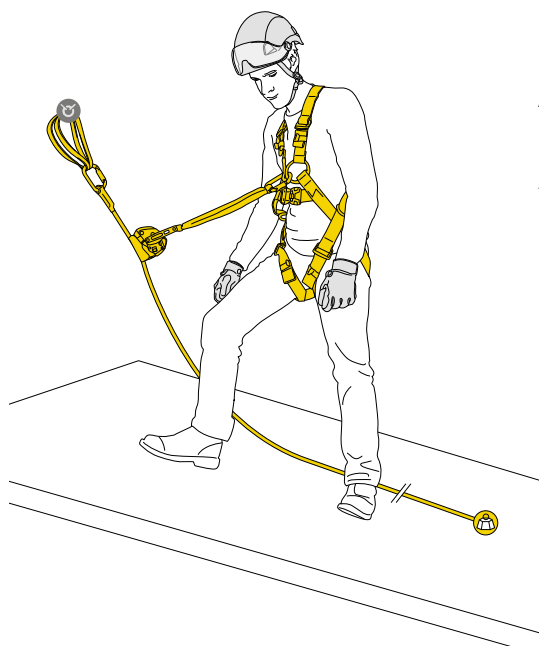
ASAP® LOCK FALL ARREST KIT
Kit for protection against falls, with NEWTON harness and ASAP LOCK mobile fall arrester

ASAP LOCK FALL ARREST KIT is a ready-to-use kit designed to protect against falls from height. It contains a NEWTON fall-arrest harness, an ASAP LOCK mobile fall arrester with locking function, an ASAP'SORBER energy absorber, two OK TRIACT-LOCK carabiners, an ANNEAU open loop sling, an AXIS 11 mm rope with sewn termination, a weight, and a BUCKET bag. The kit is available in two sizes and two lengths.

NEWTON   ASAP LOCK   ASAP'SORBER

OK TRIACT-LOCK   ANNEAU   AXIS 11 mm   BUCKET 30

KIT

CUSTOM

Kits

Temporary Vertical Lifelines and Fall-Arrest Kits

NEW 2024
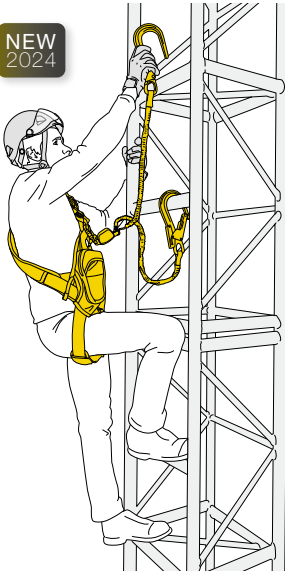
ABSORBICA®-Y FALL ARREST KIT
Kit for protection against falls, with NEWTON EASYFIT harness and ABSORBICA-Y MGO 150 lanyard

ABSORBICA-Y FALL ARREST KIT is a ready-to-use kit designed for fall protection. It is optimized for work at height requiring connection to metal structures or large-diameter cables and bars. The kit contains a NEWTON EASYFIT fall-arrest harness, a 150 cm ABSORBICA-Y double lanyard with energy absorber and MGO large-opening connectors, and a BUCKET bag. It is available in two sizes.

NEWTON EASYFIT   ABSORBICA-Y MGO 150   BUCKET 30

Fall-Arrest and Work-Positioning Kit

NEW 2024
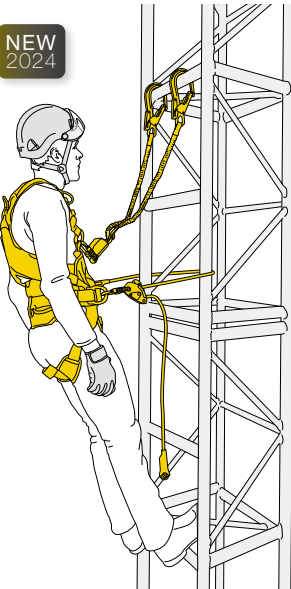
FALL ARREST AND WORK POSITIONING KIT
Fall-arrest and work-positioning kit with VOLT harness, ABSORBICA-Y MGO 150 lanyard, and GRILLON HOOK

FALL ARREST AND WORK POSITIONING KIT is a ready-to-use kit designed to protect against falls and for positioning at a workstation. It is optimized for work at height requiring connection to metal structures or large-diameter cables and bars. The kit contains a VOLT fall-arrest and work-positioning harness, a 150 cm ABSORBICA-Y double lanyard with energy absorber and MGO large-opening connectors, a 2-meter GRILLON HOOK adjustable work-positioning lanyard, an OK TRIACT-LOCK carabiner, a CAPTIV positioning bar, and a BUCKET bag. It is available in two sizes.

VOLT   ABSORBICA-Y MGO 150   GRILLON HOOK   OK TRIACT-LOCK   CAPTIV   BUCKET 30

Rescue Kit
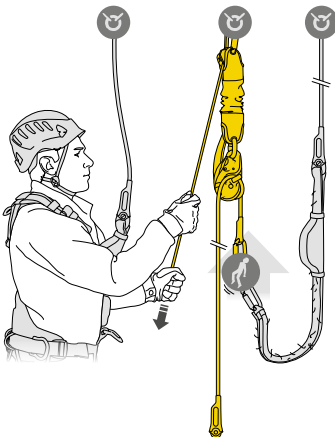
JAG RESCUE KIT
Reversible rescue kit with JAG SYSTEM haul kit and I'D EVAC descender

The JAG RESCUE KIT is a ready-to-use reversible rescue kit designed to easily pick off and lower a victim. It contains a JAG SYSTEM haul kit, a RING OPEN gated ring, an I'D EVAC descender with integrated brake, a CONNEXION FIXE 150 cm anchor strap, a BUCKET bag, and an AXIS 11 mm rope with two sewn terminations. It is available in three lengths: 30, 60, and 120 m.

JAG SYSTEM   RING OPEN   I'D EVAC   CONNEXION FIXE   AXIS 11 mm   BUCKET

CUSTOM
Available in Custom version

		Contents of Kit	Harness Size	Rope Length	Weight
Temporary Vertical Lifelines and Fall-Arrest Kits					
ASAP VERTICAL LIFELINE	K091AB00	ASAP ASAP'SORBER 40 cm OK TRIACT-LOCK (x3) ANNEAU 150 cm AXIS 11 mm rope with sewn termination and integrated energy dissipater A 400 g weight BUCKET 30	-	10 m	2485 g
	K091AB01			20 m	3285 g
ASAP LOCK VERTICAL LIFELINE	K092AA00	ASAP LOCK ASAP'SORBER 40 cm OK TRIACT-LOCK (x2) ANNEAU 150 cm AXIS 11 mm With Sewn Termination A 400 g weight BUCKET 30	-	10 m	2615 g
	K092AA01			20 m	3415 g
ASAP FALL ARREST KIT	K093AB00	NEWTON European Version ASAP ASAP'SORBER 40 cm OK TRIACT-LOCK (x3) ANNEAU 150 cm AXIS 11 mm rope with sewn termination and integrated energy dissipater A 400 g weight BUCKET 30	1	10 m	3535 g
	K093AB01		2	10 m	3565 g
	K093AB02		1	20 m	4335 g
	K093AB03		2	20 m	4365 g
ASAP LOCK FALL ARREST KIT	K094AA00	NEWTON European Version ASAP LOCK ASAP'SORBER 40 cm OK TRIACT-LOCK (x2) ANNEAU 150 cm AXIS 11 mm With Sewn Termination A 400 g weight BUCKET 30	1	10 m	3665 g
	K094AA01		2	10 m	3695 g
	K094AA02		1	20 m	4465 g
	K094AA03		2	20 m	4495 g
NEW 2024 ABSORBICA-Y FALL ARREST KIT	K095AC00	NEWTON EASYFIT International Version ABSORBICA-Y MGO 150 European Version BUCKET 30	1	-	3445 g
	K095AC01		2		3495 g
Fall-Arrest and Work-Positioning Kit					
NEW 2024 FALL ARREST AND WORK POSITIONING KIT	K096AB00	VOLT ABSORBICA-Y MGO 150 European Version GRILLON HOOK European Version 2 m OK TRIACT-LOCK CAPTIV BUCKET 30	1	-	4795 g
	K096AB01		2		4875 g
Rescue Kit					
JAG RESCUE KIT	K090AA00	JAG SYSTEM RING OPEN I'D EVAC CONNEXION FIXE 150 cm AXIS 11 mm rope with two sewn terminations BUCKET 30 or BUCKET 45	-	30 m	4460 g
	K090AA01			60 m	6760 g
	K090AA02			120 m	11460 g

CUSTOMIZABLE PRODUCTS

With Petzl Custom, you can customize certain Petzl products. We're able to manufacture and assemble ready-made products to meet specific user needs or to customize a product with a company's colors or logo, for example. To take advantage of Petzl Custom, simply contact your Petzl representative and place your order.

CUSTOM

Evacuation exercise on the gondola in La Grave, France © 2020 - Petzl Distribution - Lafouche - SATG

Customizable Helmets

VERTEX CUSTOM

STRATO CUSTOM

Customizable Work-Positioning Lanyard

GRILLON CUSTOM

Customizable Kit

JAG RESCUE KIT CUSTOM

Customizable Personal Escape System

EXO CUSTOM

Customizable Ropes and Cords

SEGMENT 8 mm CUSTOM

PARALLEL 10.5 mm CUSTOM

DURALINE 10.5 mm CUSTOM

AXIS 11 mm CUSTOM

RAY 11 mm CUSTOM

VECTOR 12.5 mm CUSTOM

Customizable Helmets

VERTEX® CUSTOM
Customizable helmet from the VERTEX range
Petzl Custom offers customized helmets from the VERTEX range. There is a choice of shell (with or without ventilation) and of color (standard or fluorescent). Stickers with a logo and/or names can be printed, and colored reflective bands may be added. A wide range of accessories (chinstraps, protective eye and face shields, helmet protectors, nape protectors, name-tag holders, beanies) are available and may be pre-mounted. They are packaged individually for a ready-to-go solution. Minimum order quantity: 20 units.

STRATO® CUSTOM
Customizable helmet from the STRATO range
Petzl Custom can customize one of the helmets in the STRATO range. There is a choice of shell (with or without ventilation) and of color (standard or fluorescent). Stickers with a logo and/or names can be printed, and colored reflective bands may be added. A wide range of accessories (chinstraps, protective eye and face shields, helmet protectors, nape protectors, name-tag holders, beanies) are available and may be pre-mounted. They are packaged individually for a ready-to-go solution. Minimum order quantity: 20 units.

CUSTOM

Customizable Work-Positioning Lanyard

GRILLON CUSTOM
Customizable Work-Positioning Lanyard
Petzl Custom can customize a work-positioning lanyard from the GRILLON range. You can choose the type of rope (standard or high-strength), the color, and the length (up to 20 meters). You can also choose the color of the device. The lanyard can be equipped with connectors for attachment to the harness or for the end. The GRILLON CUSTOM lanyard is packaged individually for a ready-to-go solution. GRILLON CUSTOM replacement ropes are also available individually.

Customizable Kit

JAG RESCUE KIT CUSTOM
Reversible and customizable rescue kit with JAG SYSTEM haul kit and I'D descender
Petzl Custom allows you to customize a JAG RESCUE KIT. Choice of color and length are offered for the AXIS 11 mm rope, from 10 to 185 meters. You can also choose anchor type, haul kit length, and either the I'D S or I'D EVAC self-braking descender with anti-panic function. The kit is delivered in a bag that corresponds to the selected rope length for a ready-to-go solution.

Customizable Personal Escape System

EXO® CUSTOM
Customizable personal escape system
Petzl Custom offers customized EXO personal escape systems. Choice of rope color and length, up to 150 meters, are available. You can also choose a descender with or without anti-panic function. The system can be equipped with connectors for attachment to the anchor and to the harness. The EXO CUSTOM personal escape system can be delivered in a bag for a ready-to-go solution. EXO CUSTOM replacement ropes are also available individually.

Customizable Ropes and Cords

SEGMENT 8 mm CUSTOM
Customizable technical cord
Petzl Custom offers customized SEGMENT cords. We offer the choice of length (up to 2000 meters) and the option to add a manufactured sewn termination to one or both ends. The SEGMENT 8 mm CUSTOM cord is packaged individually for a ready-to-go solution.

PARALLEL 10.5 mm CUSTOM
Customizable low stretch kernmantle rope for rope access
Petzl Custom can customize a PARALLEL 10.5 mm rope. We offer the choice of color, length (up to 700 meters), and the option to add a manufactured sewn termination to one or both ends. Markings at the end of the rope can also be customized with a heat-shrink cover or laser-marked rigid identification label. The PARALLEL 10.5 mm CUSTOM rope is packaged individually for a ready-to-go solution.

DURALINE 10.5 mm CUSTOM

High-strength, low stretch kernmantle rope that is customizable and made for work at height, rope access, and rescue

The DURALINE 10.5 mm CUSTOM low stretch kernmantle rope is designed for work at height, rope access, and rescue. Its aramid fiber sheath provides better resistance to abrasion, wear, and heat, than a classic rope. The thin diameter makes it flexible and lightweight. It's equipped with a rigid identification label on the end of the rope for better tracking and durability. The length and packaging are customizable to meet the needs of the user.

AXIS 11 mm CUSTOM

Customizable low stretch kernmantle rope for work at height

Petzl Custom can customize an AXIS 11 mm rope. We offer the choice of color, length (up to 700 meters), and the option to add a manufactured sewn termination to one or both ends. Markings at the end of the rope can also be customized with a heat-shrink cover or laser-marked rigid identification label. The AXIS 11 mm CUSTOM rope is packaged individually for a ready-to-go solution.

RAY 11 mm CUSTOM

Customizable static kernmantle rope for work at height and technical rescue

Petzl Custom can customize a RAY 11 mm rope. We offer the choice of color, length (up to 500 meters), and the option to add a manufactured sewn termination to one or both ends. The RAY 11 mm CUSTOM rope is packaged individually for a ready-to-go solution.

VECTOR 12.5 mm CUSTOM

Customizable low stretch kernmantle rope for rescue

Petzl Custom can customize a VECTOR 12.5 mm rope. We offer the choice of color, length (up to 500 meters), and the option to add a manufactured sewn termination to one or both ends. The VECTOR 12.5 mm CUSTOM rope is packaged individually for a ready-to-go solution.

	References
VERTEX CUSTOM	A010XY
STRATO CUSTOM	A020XY
GRILLON CUSTOM	L052XYXX
JAG RESCUE KIT CUSTOM	K090XY
EXO CUSTOM	D030XYXX
SEGMENT 8 mm CUSTOM	R076DA
PARALLEL 10.5 mm CUSTOM	R077XY
DURALINE 10.5 mm CUSTOM	R075XY
AXIS 11 mm CUSTOM	R074XY
RAY 11 mm CUSTOM	R100XY
VECTOR 12.5 mm CUSTOM	R078DA

LIGHTING

Anchoring for stainless steel plumbing, France © 2023 Petzl Distribution - Rémi Flament - Croze

A Range for Every Use

The Petzl headlamp range covers the full spectrum of professional needs, from intensive to occasional use, and for different work environments that require varying degrees of brightness.

Professions	Industry, Maintenance, Inspection, and Rescue	Industry, Energy and Networks, Construction, Maintenance	Workshop, Maintenance, and Stage Work
Frequency of Use	Intensive	Frequent	Occasional to Frequent
User Needs	- Very powerful, intelligent lighting - Long burn time - Durable - Waterproof (except SWIFT RL)	- ATEX or HAZLOC certification - Compact - Durable - Water resistant - Long burn time	- Powerful lighting - Durable and water resistant (IK07 and IP67) - Lightweight and compact - Very long burn time - Versatile - RGB lighting (Black models of ARIA 1 and 2)
Petzl Solutions	**Powerful and Intelligent Headlamps**	**Compact and Durable Headlamps**	**Ultra-Compact and Versatile Headlamps**

Powerful and Intelligent Headlamps

DUO RL

DUO Z1

NEW 2024

XENA

NEW 2024

SWIFT RL

Compact and Durable Headlamps

PIXA Z1

PIXA 3R

PIXA 3

PIXA 2

PIXA 1

Ultra-Compact and Versatile Headlamps

ARIA 2R

ARIA 1R

ARIA 2

ARIA 2 RGB

ARIA 1

ARIA 1 RGB

Emergency Headlamp

e+LITE

Intelligent lighting for greater convenience and performance

Sensor   Ambient light

Wide beam   Focused beam

REACTIVE LIGHTING®

▶
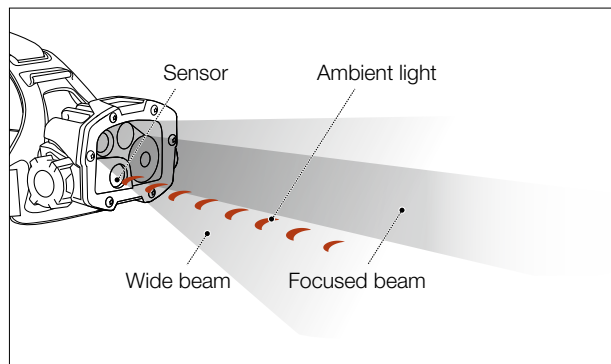
This exclusive technology developed by Petzl instantly provides the right lighting at the right time, without any need for manual operation. Burn time is optimized so you can remain focused on the activity.

REACTIVE LIGHTING® technology provides:
- Intelligent lighting
- Hands-free lighting for greater convenience and performance
- Longer burn time

This feature is available in DUO RL and SWIFT RL headlamps.

Come face-to-face without blinding each other, for better teamwork

FACE2FACE
With

FACE2FACE
Without

FACE 2 FACE
FACE2FACE FUNCTION

▶
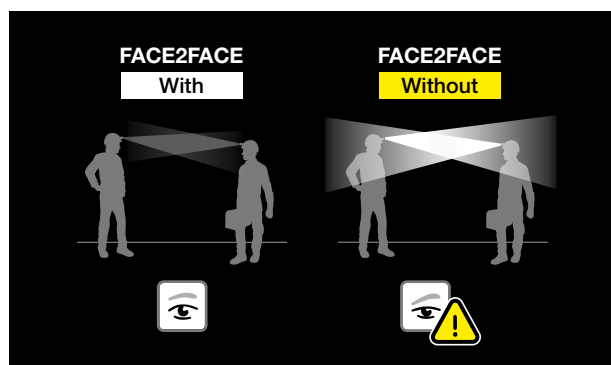
Once activated, the FACE2FACE function triggers a sensor that detects other DUO headlamps within 8 meters and automatically dims the lighting whenever they face each other. The light returns to its original intensity once the other headlamp is no longer in its line of sight.

This feature is available in DUO Z1 headlamps.

Choose the battery type that fits your needs

AAA / LR03

or

CORE

USB

HYBRID CONCEPT

▶
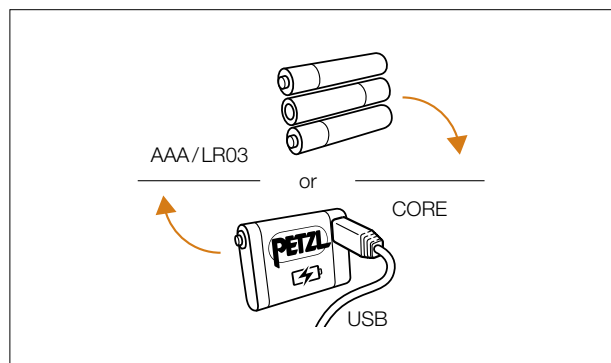
The HYBRID CONCEPT design allows Petzl's compact headlamps to run on either the CORE rechargeable battery or three AAA/LR03 batteries without an adapter.
- CORE rechargeable battery is an economical solution for frequent and/or intensive use
- AAA/LR03 batteries for occasional use with very long burn time

This feature is available in ARIA headlamps.

Compatible with a variety of helmet types

All Petzl headlamps are designed to be worn on the head or a helmet, and allow the headlamp to be tilted:
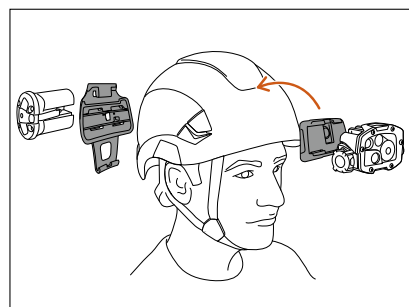
• On Petzl helmets, using their mounting plates
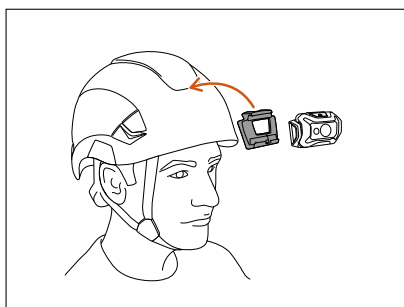
• On Petzl helmets, using specific mounting plates that are available as accessories
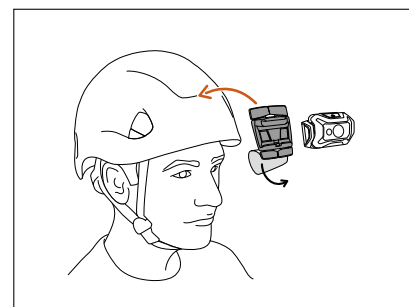
• On other helmets, using adhesive plates that are available as accessories

Petzl Quality

Choosing a Petzl headlamp means selecting a work tool designed to withstand the most severe conditions of use while providing maximum reliability:

Optical quality for optimal visual comfort

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

Perfectly uniform beam:
user comfort

Presence of a
central bright spot:
blinding

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

Testing from design to manufacturing

Each model must pass particularly stringent tests:
- For shock resistance, fall resistance, and crushing (including at low temperatures)
- For functional reliability (mechanical endurance)
- Individual inspection and test at the end of the assembly line (final quality check)
- For water resistance

Consideration of photobiological risk

Petzl has chosen to present information in its product instructions about the risks to the eyes associated with LED lighting. For this, the company uses the IEC 62778 and EN 62471: 2008 standards, Photobiological safety of lamps and devices using lamps. This standard classifies lamps according to risk groups.

The risk groups are as follows:
- Risk group 0: no risk
- Risk group 1: low risk. The product presents no risk related to exposure limits under normal usage conditions
- Risk group 2: moderate risk. The reflex to look away from the lamp suffices to reduce the risk

i+ To learn more about photobiological safety and the information given in the Instructions for Use, see the technical information on LED lighting available at www.petzl.com

⚠ LED risk group 2 - IEC 62471

Do not stare at operating lamp.
May be harmful to the eyes.

Ne regardez pas fixement le faisceau de la lampe de face.
Peut être dangereux pour les yeux.

LED risk **group 2** > LED risk **group 1**

0   1 m

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.

Brightness (lumens)

Burn time (hours)

Prioritizing brightness over burn time

or

Prioritizing burn time over brightness
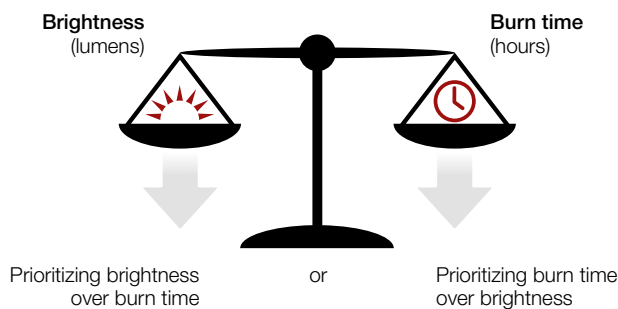
The different lighting technologies used in Petzl headlamps make it possible to meet your needs, depending on what you want:

STANDARD LIGHTING

Prioritizing burn time: STANDARD LIGHTING
Brightness decreases gradually as the batteries are drained. It is the most common technology.

Lumens — Example of STANDARD LIGHTING

10

100 Hours
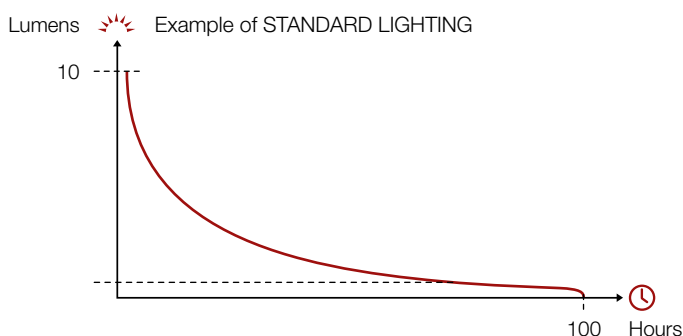
CONSTANT LIGHTING

Prioritizing guaranteed brightness over time: CONSTANT LIGHTING
Brightness stays constant as the batteries drain. When the batteries are almost drained, the headlamp switches automatically to reserve lighting, providing reduced brightness with longer burn time.

Lumens — Example of CONSTANT LIGHTING

120

2   40 Hours
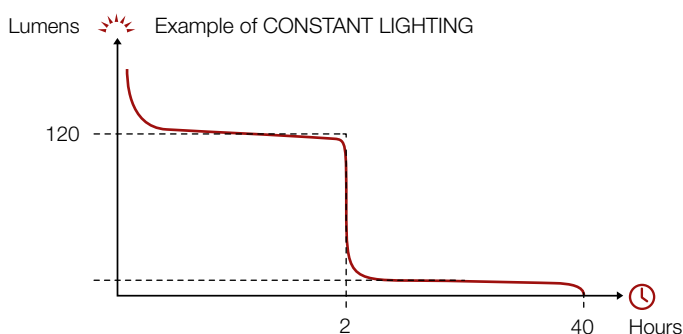
REACTIVE LIGHTING®

Optimized lighting performance: REACTIVE LIGHTING®
Brightness varies according to the user's need. Intelligent lighting optimizes battery life, offering longer burn time.

▶

Lumens — Example of REACTIVE LIGHTING®

Actions

MIXED   MIXED   FOCUSED   MIXED
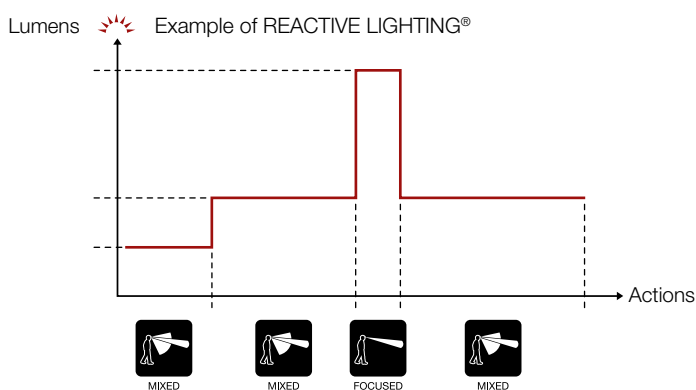
Brightness: the shape of the beam directly affects lighting distance

Lighting distance depends directly on brightness, but mainly on the shape of the beam. In fact, given the same brightness, lighting distance will vary depending on the shape of the beam.

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.

200 lm MAX BRIGHTNESS — **LARGE** — **50 m** MAX DISTANCE

200 lm MAX BRIGHTNESS — **FOCUSED** — **200 m** MAX DISTANCE
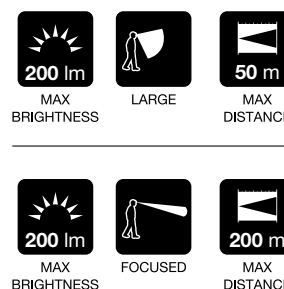
Hazardous Areas

If an explosion hazard is identified in an environment, the hazardous areas are classified as areas at risk, depending on the prevalence and type of combustible, gas or dust. All of the materials used in these zones must conform with current regulations for this type of zone (ATEX and/or HAZLOC).

Classification of ATEX / HAZLOC zones

Explosive Atmosphere	Gas Type Combustible		Dust Type Combustible	
	ATEX	HAZLOC	ATEX	HAZLOC
Permanent or Long-Term	ZONE 0	Class I Div 1	ZONE 20	Class II Div 1
Occasional	ZONE 1	Class I Div 1	ZONE 21	Class II Div 1
Accidental	ZONE 2	Class I Div 2	ZONE 22	Class II Div 2

Example of ATEX zone (gas type combustible)
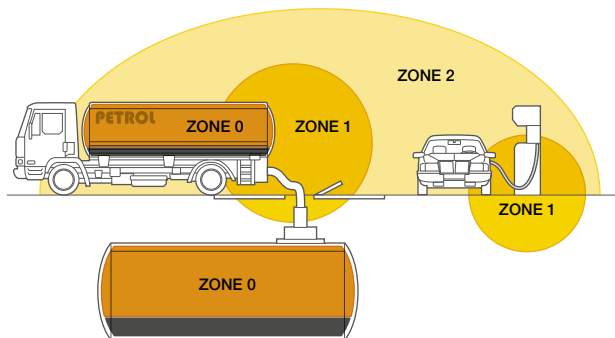
i+ For more information on ATEX and HAZLOC regulations, see www.petzl.com

How to read an ATEX marking

Example: DUO Z1

| ⟨Ɛx⟩ | II 2 G | Ex ib | IIB | T4 | Gb |
| ⟨Ɛx⟩ | II 2 D | Ex ib | IIIB | T135° | Db |

II 2 G ATEX CODING			
⟨Ɛx⟩	II	2	GD
EU Explosive atmosphere symbol	Equipment group	Equipment category	
	I: mining	M1: energised	
		M2: de-energised*	
			Gas	Dust
	II: non-mining	1: very high protection	0	20
		2: high protection	1	21
		3: normal protection	2	22

* in presence of explosive atmosphere

Ex ib ELECTRICAL PROTECTION CONCEPTS				
Standard IEC/EN	Code		Zone	
60079-11	Ex ia	Intrinsic Safety	0	20
	Ex ib		1	21
	Ex ic		2	22

IIB GAS GROUPS	
Gas group	Representative test gas
I	Methane (mining only)
IIA	Propane
IIB	Ethylene
IIC	Hydrogen

Gases are classified according to the ignitability of gas-air mixture.
Refer to IEC/EN 60079-20-1 for classification of common gases and vapors.

IIIB DUST GROUPS	
Dust group	Representative test dust
IIIA	Combustible flyings
IIIB	Non-conductive dust
IIIC	Conductive dust

T4 / T135° TEMPERATURE CLASS	
T class	Maximum surface temperature
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

Gb / Db EQUIPMENT PROTECTION LEVEL	
Equipment protection level	Zone
Ga	0
Gb	1
Gc	2
Da	20
Db	21
Dc	22
Ma	energised*
Mb	de-energised*

G = Gas, **D** = Dust, **M** = Mining
* in presence of explosive atmosphere

Lighting performance as defined by the ANSI/PLATO FL 1 protocol

Petzl has chosen to comply with the ANSI (American National Standards Institute) FL 1 protocol to measure and demonstrate the lighting performance of our headlamps. This voluntary move allows users to easily compare the lighting performance of different headlamp models using standardized criteria.

Lighting Performance: How Is It Measured?

MAX BRIGHTNESS

Brightness (lumens)
This measurement is taken between 30 and 120 seconds after the headlamp is turned on. It indicates the maximum light output when the lamp is first turned on using new batteries (included).

MAX BURN TIME

Burn time (hours)
This is the length of time for which lighting remains optimal, from the moment the lamp is turned on until it drops to 10% of maximum light output. It then switches to reserve lighting.

MAX DISTANCE

Lighting distance (meters)
This is the maximum distance between the lamp and the location where only 0.25 lux of illumination remains. The measurement is taken when the lamp is turned on, using new batteries. Lighting distance depends directly on brightness, but mainly on the shape of the beam.

RESERVE LIGHTING

Reserve lighting
(outside of the ANSI/PLATO FL 1 protocol)
In addition to these measures, Petzl offers reserve lighting. Reserve lighting provides a minimum light level to be able to move around. However, the lighting may be insufficient for certain activities (such as precision work or inspection).

The IP Protection Index

A headlamp's resistance to solids and/or liquids is indicated by its IP rating. This index classifies the level of protection offered by equipment against intrusions by solids (e.g. dust) and liquids (e.g. water, oil) according to the IEC 60529 standard.

Understanding the protection index

- Rating
- Protection
- Level of protection against solid objects

I P 6 7 ⟶ Level of protection against liquids
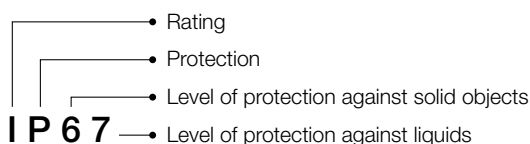
Protection against solid objects	Protection against liquids
X = Not measured	X = Not measured
0 = Not protected	0 = Not protected
1 = Protected against projection of solids ≥ 50 mm in diameter	1 = Protected against vertically falling water drops
2 = Protected against projection of solids ≥ 12.5 mm in diameter	2 = Protected against water drops (15° from vertical)
3 = Protected against projection of solids ≥ 2.5 mm in diameter	3 = Protected against rain (60° from vertical)
4 = Protected against projection of solids ≥ 1 mm in diameter	4 = Protected against splashing water
5 = Protected against dust (limited ingress, no harmful deposits)	5 = Protected against water jets
6 = Completely protected against dust	6 = Protected against powerful water jets
	7 = Temporary immersion (-1 meter for 30 minutes)
	8 = Prolonged immersion (deeper than 1 meter for period defined by manufacturer)
	9 = Prolonged immersion (deeper than 1 meter) and protection against pressure-washing

Environments and Standards

Choosing your Petzl headlamp for hazardous areas in accordance with regulations:

		ATEX (Ex)	**HAZLOC** (Hazloc)	**WATERPROOF** IP67 ↓-1m	**STANDARD BATTERIES**	**RECHARGEABLE**
DUO Z1	E80BHR E80BHR UK	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	●	-	● 6400 mAh
PIXA Z1	E78DHB 2	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	●	●	-
PIXA 3R	E78CHR 2 E78CHR 2UK	ATEX zone 2/22 II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	●	-	● 930 mAh
PIXA 3	E78CHB 2	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	●	●	-
	E78CHB 2UL	-	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C	●	●	-
PIXA 2	E78BHB 2	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	●	●	-
	E78BHB 2UL	-	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C	●	●	-
PIXA 1	E78AHB 2	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	●	●	-
	E78AHB 2UL	-	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C	●	●	-

MAX BRIGHTNESS

Brightness is the total quantity of light emitted by a lamp. It is expressed in lumens. The greater the quantity of light, the better you see. The value indicated is that of the most powerful lighting level (MAX POWER).

RECHARGEABLE

Petzl headlamps that work with rechargeable batteries.

MAX DISTANCE

Lighting distance is linked to brightness and beam shape. It is expressed in meters and indicates the range of usable lighting. The value indicated is the maximum value.

STANDARD BATTERIES

Petzl headlamps that work with regular batteries (included).

MAX BURN TIME

Burn time expresses the length of time a headlamp functions with power sufficient for carrying out an activity. It is expressed in hours. The value indicated is the maximum value.

ATEX

Headlamp meeting ATEX certification requirements for work in hazardous environments.

RESERVE LIGHTING

When the battery is almost drained, the headlamp switches automatically to reserve lighting to provide minimum lighting for several hours.

HAZLOC

Headlamp meeting HAZLOC certification requirements for work in hazardous environments.

LARGE

Wide beam designed for proximity lighting, to see up close or around the feet. The wide angle provides a very large and comfortable field of view.

CHEMICAL RESISTANT

Better resistance to chemicals.

MIXED

Mixed beam consists of a wide beam and a focused component, allowing both proximity lighting and longer-range vision for moving around.

INGRESS PROTECTION

The IP rating on a headlamp indicates its degree of resistance to intrusions:
IPX4: Water-spray and weather resistant
IPX7: Resistant to temporary immersion (in up to 1 meter for 30 minutes)
IP67: Resistant to dust and temporary immersion (in up to 1 meter for 30 minutes)

FOCUSED

Focused beam allows focused lighting on a target in order to see objects or people at a distance.

IMPACT PROTECTION

The IK rating on a headlamp indicates its degree of protection against impacts.
IK05: Protected against a 0.70-joule impact, equivalent to the impact of a 0.2 kg mass dropped from 350 mm above the impacted surface.
IK06: Protected against a 1-joule impact, equivalent to the impact of a 0.5 kg mass dropped from 200 mm above the impacted surface.
IK07: Protected against a 2-joule impact, equivalent to the impact of a 0.5 kg mass dropped from 400 mm above the impacted surface.

RED LIGHTING

Red lighting for more comfortable night vision. This lighting allows good vision without blinding the user or members of a group.

WEIGHT

The weight indicated is that of the headlamp with its energy source (regular or rechargeable batteries).

RGB LIGHTING

Red, green, and blue lighting allows the user to better see contrasts in the lit object in certain situations.

2 m FALL

Resistance to falls (2 m).

WHITE / RED STROBE

Red and/or white strobe lighting allows you to signal and be more easily located, for example in an emergency.

80 kg CRUSHING

Resistance to crushing (80 kg).

Headlamp Specifications

	STANDARD LIGHTING	CONSTANT LIGHTING	REACTIVE LIGHTING®	MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME	RESERVE LIGHTING	LARGE	MIXED	FOCUSED
				ANSI / PLATO FL 1						
Powerful and Intelligent Headlamps										
DUO RL	-	●	●	2800 lm	255 m	72 h	●	●	●	●
DUO Z1	-	●	-	360 lm	115 m	23 h	●	●	●	●
NEW 2024 XENA	-	●	-	1400 lm	170 m	32 h	●	●	●	●
NEW 2024 SWIFT RL	●	-	●	1100 lm	155 m	100 h	●	-	●	●
Compact and Durable Headlamps										
PIXA Z1	●	-	-	100 lm	95 m	56 h	●	●	●	●
PIXA 3R	-	●	-	90 lm	90 m	11 h 30	●	●	●	●
PIXA 3	-	●	-	100 lm	90 m	26 h	●	●	●	●
PIXA 2	-	●	-	80 lm	55 m	26 h	●	-	●	-
PIXA 1	-	●	-	60 lm	15 m	16 h	●	●	-	-
Ultra-Compact and Versatile Headlamps										
ARIA 2R	●	-	-	600 lm	115 m	100 h	●	●	●	-
ARIA 1R	●	-	-	450 lm	75 m	110 h	●	●	-	-
ARIA 2 / ARIA 2 RGB	●	-	-	450 lm	100 m	100 h	●	●	●	-
ARIA 1 / ARIA 1 RGB	●	-	-	350 lm	70 m	110 h	●	●	-	-
Emergency Headlamp										
e+LITE	●	-	-	40 lm	15 m	9 h 30	-	●	-	-

RED LIGHTING	RGB LIGHTING	WHITE / RED STROBE	FACE2FACE FUNCTION	HYBRID CONCEPT	RECHARGEABLE	STANDARD BATTERIES	ATEX	HAZLOC	INGRESS PROTECTION	IMPACT PROTECTION	WEIGHT
-	-	-	-	-	● 3200 mAh	-	-	-	IP67	-	390 g
-	-	-	●	-	● 6400 mAh	-	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	IP67	-	370 g
-	-	● red	-	-	● 3200 mAh	-	-	-	IP67	IK07	185 g
●	-	● red	-	-	● 2350 mAh	-	-	-	IP54	IK05	110 g
-	-	-	-	-	-	2 x AA LR06	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	IP67	-	170 g
-	-	-	-	-	● 930 mAh	-	ATEX zone 2/22 II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	IP67	-	145 g
-	-	-	-	-	-	2 x AA LR06	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C	IP67	-	160 g
-	-	-	-	-	-	2 x AA LR06			IP67	-	160 g
-	-	-	-	-	-	2 x AA LR06			IP67	-	160 g
-	-	-	-	●	● 1250 mAh	-	-	-	IP67	IK07	95 g
-	-	-	-	●	● 1250 mAh	-	-	-	IP67	IK07	94 g
-	● ARIA 2 RGB	● ARIA 2 RGB	-	●	-	3 x AAA LR03	-	-	IP67	IK07	106 g
-	● ARIA 1 RGB	● ARIA 1 RGB	-	●	-	3 x AAA LR03	-	-	IP67	IK07	105 g
●	-	●	-	-	-	2 x lithium CR2032	-	-	IPX7	-	26 g

Lighting specifications are subject to change: check www.petzl.com

POWERFUL AND INTELLIGENT HEADLAMPS

Powerful and intelligent headlamps designed for intensive use by maintenance, industrial, or rescue professionals.

Maintenance operations on a communication tower, Belgium © 2023 Petzl Distribution - Vuedici:org - Monnaie

DUO RL

Ultra-powerful and rechargeable multi-beam headlamp featuring REACTIVE LIGHTING® technology. 2800 lumens

DUO Z1

Powerful, rechargeable multi-beam headlamp with FACE2FACE anti-glare function, certified for use in ATEX hazardous areas. 360 lumens

XENA

Powerful, rechargeable, lightweight, and balanced headlamp featuring CONSTANT LIGHTING technology. 1400 lumens

NEW 2024

SWIFT RL

Compact, powerful, lightweight, and rechargeable headlamp featuring REACTIVE LIGHTING® technology. 1100 lumens

NEW 2024

DUO RL and DUO Z1 Accessories

R2

ACCU 2 DUO Z1

Quick Charger

ACCU 2 DUO Z1 Charger

Extension Cord for Headlamp

5 DUO Z1 Charging Rack

PRO ADAPT

XENA Accessories

NEW 2024

R1

NEW 2024

R1 Extension Cord

SLOT ADAPT

HELMET ADAPT

UNIADAPT

NEW 2024

XENA Spare Headband

SWIFT RL Accessories

NEW 2024

SWIFT RL Rechargeable Battery

SLOT ADAPT

HELMET ADAPT

UNIADAPT

POCHE PIXA & SWIFT RL

NEW 2024

PRO 28MM Headband

CUSTOM

Powerful and Intelligent Headlamps

DUO RL headlamp
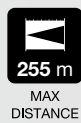
2800 lm	255 m	72 h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

DUO RL

Ultra-powerful and rechargeable multi-beam headlamp featuring REACTIVE LIGHTING® technology. 2800 lumens

Designed for technical rescue and worksites, the DUO RL rechargeable headlamp provides 2800-lumen brightness. Using REACTIVE LIGHTING® technology, a sensor analyzes the ambient light and automatically adjusts brightness to user needs. Manual operation is minimized and burn time is optimized, so the user can remain focused on the activity. The aluminum lamp body provides excellent impact resistance. The DUO RL is waterproof and ideal for use in wet environments. 3200 mAh rechargeable battery.

REACTIVE LIGHTING®
Longer burn time, greater visual comfort, and less manual operation with REACTIVE LIGHTING® mode: the light sensor automatically adjusts brightness and beam pattern, optimizing battery life.

IP 67 INGRESS PROTECTION
Dustproof and waterproof in up to 3 meters of fresh water for 30 minutes.

Ultra-bright with 2800 lumens and multi-beam lighting to suit a wide variety of situations.

Aluminum lamp body provides excellent fall, crush, and impact resistance.

R2 rechargeable 3200 mAh lithium-ion battery with four-level gauge, for precise monitoring of battery charge level.

DUO Z1

Powerful, rechargeable multi-beam headlamp with FACE2FACE anti-glare function, certified for use in ATEX hazardous areas. 360 lumens

DUO Z1 is a headlamp with a maximum 360 lumens of lighting in BOOST mode that runs on a rechargeable battery. It is multi-beam, and has four lighting modes, making it adaptable to a variety of situations: close-range work, proximity lighting, movement, and long-range vision. Featuring the FACE2FACE anti-glare function, the DUO Z1 headlamp allows those working in a group to face each other without blinding one another, enabling them to work more effectively together. It can be worn on VERTEX and STRATO helmets with the included mounting plates. It meets ATEX zone 1/21 (II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db) certification requirements for work in hazardous areas. 6400 mAh rechargeable battery.

BOOST

360 lm — MAX BRIGHTNESS

115 m — MAX DISTANCE

23 h — MAX BURN TIME

Accessories

R2
Rechargeable battery for DUO RL headlamps. 3200 mAh

Quick Charger
Quick wall charger for R2 rechargeable battery

Extension Cord for Headlamp
Extension power cable for DUO RL headlamps

ACCU 2 DUO Z1
Rechargeable battery for the DUO Z1 headlamp, usable in ATEX zone. 6400 mAh

ACCU 2 DUO Z1 Charger
Wall charger for ACCU 2 DUO Z1 rechargeable battery

5 DUO Z1 Charging Rack
Charging rack which allows simultaneous charging of five DUO Z1 headlamp batteries

PRO ADAPT
Adhesive accessory for mounting a DUO headlamp on a variety of different helmet types

Powerful and Intelligent Headlamps

NEW 2024

▶ XENA headlamp

☀ **1400** lm	◀ **170** m	🕐 **32** h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

XENA®

Powerful, rechargeable, lightweight, and balanced headlamp featuring CONSTANT LIGHTING technology. 1400 lumens

Designed for maintenance, industrial, inspection, and technical rescue professionals, the XENA headlamp offers an excellent weight-to-power ratio (185 grams / 1400 lumens). The battery pack is in the rear, making it balanced and comfortable to wear. Durable, it is fall and impact resistant. It is also waterproof and dustproof, making it suitable for various work conditions. Three beam types and five lighting levels provide optimal visual comfort in a variety of situations. CONSTANT LIGHTING technology provides stable lighting intensity over time. It features a rotating knob that is easy to use, even when wearing gloves. Wear the lamp on your head or mounted on a variety of helmet types using compatible accessories for a convenient solution. Rechargeable via USB-C, the 3200 mAh battery is removable and replaceable.

Powerful and lightweight, XENA casts 1400 lumens at 185 grams. The battery is worn in the rear for a more balanced and comfortable fit.

CONSTANT LIGHTING — CONSTANT LIGHTING technology provides stable brightness over a given amount of time.

USB TYPE-C — Lithium-ion 3200 mAh battery, rechargeable via USB-C port, with battery charge indicator.
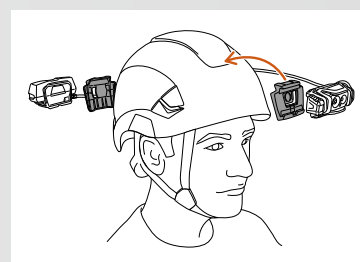
The XENA headlamp comes with two SLOT ADAPT plates so it can be installed on a Petzl helmet.

Accessories

R1
NEW 2024

Rechargeable battery for the XENA headlamp. 3200 mAh

The R1 rechargeable battery provides excellent lighting performance for the XENA headlamp, even at low temperatures. It recharges with a USB-C port and has a five-level gauge for precise monitoring of the battery charge level. It is equipped with red lighting for visibility from behind and can be used as a spare battery to charge other electronic devices.

R1 Extension Cord
NEW 2024

Extension cord for the XENA headlamp

Extension cord for the XENA headlamp R1 battery, allowing it to be carried separately to reduce weight on the head, as well as preserve battery and headlamp performance when temperatures are low.

Via Ferrata night rescue training, Vadiello, Spain © 2023 Petzl Distribution - Vuedici.org - GREIM - GUARDIA CIVIL

SLOT ADAPT
Plate for mounting a XENA headlamp on a Petzl helmet
Plate for mounting a XENA headlamp on a Petzl VERTEX or STRATO helmet, maintaining the ability to tilt the headlamp.

HELMET ADAPT
Adhesive plate for mounting a XENA headlamp on a helmet
Adhesive plate for mounting a XENA headlamp on a helmet.

UNI ADAPT
Adhesive clip for mounting a Petzl headlamp on a variety of helmet types (pack of 4)

XENA® Spare Headband
Spare headband for the XENA headlamp

NEW 2024

Powerful and Intelligent Headlamps

SWIFT® RL

NEW 2024

Compact, powerful, lightweight, and rechargeable headlamp featuring REACTIVE LIGHTING® technology. 1100 lumens

Designed for maintenance, inspection, and rescue professionals, the rechargeable SWIFT RL headlamp offers 1100 lumens of brightness at only 110 grams. Using REACTIVE LIGHTING® technology, a sensor analyzes the ambient light and automatically adjusts brightness to user needs. Manual operation is minimized and burn time is optimized, so the user can remain focused on the task. The mixed beam provides visual comfort for a variety of work situations. Easy to use, with a single button for controlling all lamp functions. Wear the lamp on your head or mounted on a helmet using compatible accessories for a convenient solution. Rechargeable via USB-C, the 2350 mAh battery is removable and replaceable.

1100 lm MAX BRIGHTNESS

155 m MAX DISTANCE

100 h MAX BURN TIME

REACTIVE LIGHTING® — Longer burn time, visual comfort, and minimal manual operation with REACTIVE LIGHTING® mode.

USB TYPE-C — Removable and replaceable 2350 mAh battery, rechargeable via USB-C port.

Accessories

SWIFT® RL Rechargeable Battery
NEW 2024
Rechargeable battery for the SWIFT RL headlamp. 2350 mAh
The rechargeable battery for the SWIFT RL headlamp can be recharged via USB-C port and has a battery charge indicator.

SLOT ADAPT
Plate for mounting a SWIFT RL headlamp on a Petzl helmet
Plate for mounting a SWIFT RL headlamp on a Petzl VERTEX or STRATO helmet, maintaining the ability to tilt the headlamp.

HELMET ADAPT
Adhesive plate for mounting a SWIFT RL headlamp on a helmet
Adhesive plate for mounting a SWIFT RL headlamp on a helmet.

UNI ADAPT
Adhesive clip for mounting a Petzl headlamp on a variety of helmet types (pack of 4)

POCHE PIXA® & SWIFT® RL
Carry pouch for PIXA and SWIFT RL headlamps

PRO 28MM Headband
NEW 2024
Spare Headband for SWIFT RL

Accessories		Weight
R2	E103CA00	168 g
Quick Charger	E55800 E55800 UK	145 g
Extension Cord for Headlamp	E55950	75 g
ACCU 2 DUO Z1	E80001	168 g
ACCU 2 DUO Z1 Charger	E080AA00	170 g
5 DUO Z1 Charging Rack	E80003	1440 g
PRO ADAPT	E80004	48 g
SLOT ADAPT	E073BA00	11 g
Spare Headband for DUO	E51999	-

Accessories		Weight
NEW 2024 R1	E037AA00	80 g
NEW 2024 R1 Extension Cord	E105BA00	45 g
NEW 2024 XENA Spare Headband	E007CA00	185 g
HELMET ADAPT	E073AA00	22 g
UNI ADAPT	E000BA00	10 g
NEW 2024 SWIFT RL Rechargeable Battery	E092DB00	50 g
POCHE PIXA & SWIFT RL	E78001	44 g
NEW 2024 PRO 28MM Headband	E092FB00	26 g

	Certifications	CONSTANT LIGHTING	REACTIVE LIGHTING®	Lighting Color	Lighting Modes	ANSI/PLATO FL 1			Weight
						MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME	
DUO RL E103AA0	CE	-	●	White	Close-Range Work (1)	25 - 120 lm	18 m	24 - 72 h	390 g
					Movement (1)	50 - 250 lm	32 m	12 - 38 h	
					Rapid Movement (1)	100 - 550 lm	75 m	6 - 24 h	
					Maximum Power (1)	150 - 2800 lm	255 m	1 h 30 - 18 h	
					Focused (1)	100 - 900 lm	235 m	3 - 24 h	
		●	-		Close-Range Work (1)	80 lm	16 m	24 h	
					Movement (1)	200 lm	32 m	12 h	
					Rapid Movement (1)	450 lm	70 m	6 h	
					Maximum Power (1)	1800 lm	200 m	1 h 30	
					Focused (2)	700 lm	230 m	3 h	
		-	-		Survival Mode: Low	20 lm	8 m	72 h	
					Survival Mode: High	100 lm	26 m	24 h	
DUO Z1 E80BHR E80BHR UK	CE ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	●	-	White	Close-Range Work	70 lm	20 m	23 h	370 g
					Proximity	170 lm	35 m	12 h	
					Movement	300 lm	90 m	7 h	
					Distance Vision	140 lm	100 m	17 h	
					BOOST Mode	360 lm	115 m	-	
					Reserve Lighting	10 lm for 1.5 h			
XENA E004BA00 NEW2024	CE UKCA	●	-	White	Close-Range Work	45 lm	20 m	32 h	185 g
					Proximity	150 lm	40 m	10 h	
					Movement	225 lm	65 m	6 h 30	
					Rapid Movement	420 lm	100 m	3 h 20	
					Distance Vision	450 lm	125 m	3 h	
					Maximum Power	1400 lm	170 m	10 s	
					Reserve Lighting	15 lm for 2 h			
				Red (Rear)	Continuous	1 lm	1 m	75 h	
					Strobe	Visible at 200 m for 250 h			
SWIFT RL E810AB00 NEW2024	CE UKCA	-	●	White	Close-Range Work	100 lm	35 m	10 - 50 h	110 g
					Proximity	275 lm	75 m	7 - 40 h	
					Movement	1100 lm	155 m	2 - 30 h	
					Distance Vision	600 lm	150 m	4 h	
		●	-	White	Close-Range Work	10 lm	12 m	100 h	
					Proximity	160 lm	50 m	7 h	
					Movement	700 lm	115 m	2 h	
					Distance Vision	280 lm	95 m	4 h	
					Reserve Lighting	10 lm for 2 h			
				Red	Continuous	4 lm	6 m	50 h	
					Strobe	Visible at 750 m for 300 h			

(1) Factory setting, programmable by user.

Lighting specifications are subject to change: check www.petzl.com

COMPACT AND DURABLE HEADLAMPS

Headlamps designed for frequent use, for the energy and networks, and building and maintenance markets.

PIXA Z1

Headlamp for use in ATEX hazardous areas, suitable
for proximity lighting, movement, and long-range vision.
100 lumens

PIXA 3R

Rechargeable headlamp for use in ATEX hazardous areas,
suitable for proximity lighting, movement, and long-range vision.
90 lumens

PIXA 3

Headlamp for proximity lighting, movement, and long-range
vision. Available in ATEX or HAZLOC versions. 100 lumens

PIXA 2

Headlamp suitable for proximity lighting and movement.
Available in ATEX or HAZLOC versions. 80 lumens

PIXA 1

Headlamp for proximity lighting.
Available in ATEX or HAZLOC versions.
60 lumens

Accessories

PIXADAPT

RUBBER

Rechargeable battery
for PIXA 3R

POCHE PIXA
& SWIFT RL

CUSTOM

Compact and Durable Headlamps

• Guaranteed lighting over time

CONSTANT LIGHTING

CONSTANT LIGHTING technology provides lighting that remains stable as the batteries drain. When the batteries are almost drained, the headlamp switches automatically to reserve lighting, providing reduced brightness with longer burn time (except PIXA Z1).

• For close-range work, movement, and long-range vision

LARGE   MIXED   FOCUSED

• Lamps for use in hazardous areas: ATEX or HAZLOC certification
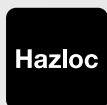
ATEX   Hazloc
ATEX   HAZLOC

Designed to withstand the harshest environments, PIXA headlamps can be used in explosive atmospheres. Depending on the model, they are certified ATEX or HAZLOC.

Learn about choosing the ATEX or HAZLOC headlamp that best meets your needs, page 92.

• Rugged, durable construction

Lockable rotary switch
Easy to use, even when wearing gloves. May be locked to prevent inadvertently turning on the light, with a storage position that protects the lens.

Great mechanical strength
Shocks, falls, crushing: these lamps endure the daily rigors of a professional work site.

• For close-range work and movement

MIXED

Waterproof and chemical resistant
PIXA headlamps are waterproof (IP67) and have been tested for resistance to various chemicals.

• For close-range work

LARGE

▶ PIXA Z1 Headlamp

PIXA® Z1

Headlamp for use in ATEX hazardous areas, suitable for proximity lighting, movement, and long-range vision. 100 lumens

The PIXA Z1 headlamp is durable and versatile. The multi-beam adapts to a variety of different situations: close-range work, movement, and long-range vision. It meets ATEX zone 1/21 (II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db) certification requirements for work in hazardous areas.

100 lm MAX BRIGHTNESS | **95 m** MAX DISTANCE | **56 h** MAX BURN TIME

PIXA® 3R

Rechargeable headlamp for use in ATEX hazardous areas, suitable for proximity lighting, movement, and long-range vision. 90 lumens

The PIXA 3R headlamp is a durable, rechargeable headlamp suitable for frequent use by professionals. The multi-beam adapts to a variety of different situations: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not gradually decrease as the batteries are drained. It meets ATEX zone 2/22 (II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc) certification requirements for work in hazardous areas. 930 mAh rechargeable battery.

90 lm MAX BRIGHTNESS | **90 m** MAX DISTANCE | **11h30** MAX BURN TIME

PIXA® 3

Headlamp for proximity lighting, movement, and long-range vision. Available in ATEX or HAZLOC versions. 100 lumens

The PIXA 3 headlamp is durable and versatile. The multi-beam adapts to a variety of different situations: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC (Class I Div 2 Groups C, D and Class II Div 2 Group G, T4).

100 lm MAX BRIGHTNESS | **90 m** MAX DISTANCE | **26 h** MAX BURN TIME

PIXA® 2

Headlamp suitable for proximity lighting and movement. Available in ATEX or HAZLOC versions. 80 lumens

The PIXA 2 is a durable headlamp that offers comfortable lighting for tasks close at hand and helps maximize safety when the worker is moving around. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC (Class I Div 2 Groups C, D and Class II Div 2 Group G, T4).

80 lm MAX BRIGHTNESS | **55 m** MAX DISTANCE | **26 h** MAX BURN TIME

PIXA® 1

Headlamp for proximity lighting. Available in ATEX or HAZLOC versions. 60 lumens

The PIXA 1 is a durable headlamp offering lighting that allows the user to work comfortably on tasks close at hand. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC (Class I Div 2 Groups C, D and Class II Div 2 Group G, T4).

60 lm MAX BRIGHTNESS | **15 m** MAX DISTANCE | **16 h** MAX BURN TIME

Accessories

Rechargeable Battery for PIXA® 3R
Lithium-ion polymer rechargeable battery. 930 mAh
Rechargeable lithium-ion polymer battery, 930 mAh, recharges separately or on the headlamp for quick charge.

PIXADAPT
Accessory for mounting a PIXA or SWIFT RL headlamp on a helmet
The PIXADAPT allows the user to mount or remove a PIXA or SWIFT RL headlamp from a helmet at any time, while maintaining the ability to tilt the lamp. PIXADAPT is compatible with Petzl helmets with or without an eye shield. For other helmets, verify compatibility with the helmet manufacturer.

RUBBER
Rubber headband for the PIXA or SWIFT RL headlamp, compatible with a variety of helmet types
The RUBBER headband adapts to a variety of different helmets on the market and holds a PIXA or SWIFT RL headlamp securely in position.

POCHE PIXA® & SWIFT® RL
Carry pouch for PIXA and SWIFT RL headlamps

Accessories		Weight
Rechargeable battery for PIXA 3R	E78003	37 g
PIXADAPT	E78005	20 g
RUBBER	E78002	-
POCHE PIXA & SWIFT RL	E78001	44 g

Spare Parts		
PIXA Headband	E78900 2	-
Plate With Helmet Clip for PIXA	E78901	-

Wind turbine inspection, Portugal © 2023 Petzl Distribution - Vuedici.org - GRWind - Mafomedes wind farm

	Certifications	CONSTANT LIGHTING	Lighting Modes	ANSI / PLATO FL 1			Weight
				MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME	
PIXA Z1 E78DHB 2	CE ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C UKCA (1)	-	Close-Range Work	30 lm	15 m	56 h	170 g
			Movement	70 lm	50 m	23 h	
			Distance Vision	100 lm	95 m	16 h	
			Reserve Lighting	5 lm for 20 h			
PIXA 3R E78CHR 2 E78CHR 2UK	CE ATEX zone 2/22 II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc Ambient temperature: -30° C to +40° C UKCA	●	**STANDARD Setting**				145 g
			Close-Range Work	20 lm	15 m	11 h 30	
			Movement	55 lm	45 m	5 h	
			Distance Vision	90 lm	90 m	3 h 30	
			Reserve Lighting	10 lm for 1.5 h			
			MAX AUTONOMY Setting				
			Close-Range Work	20 lm	15 m	11 h 30	
			Movement	20 lm	30 m	11 h 30	
			Distance Vision	20 lm	50 m	11 h 30	
			Reserve Lighting	10 lm for 1.5 h			
			MAX POWER Setting				
			Close-Range Work	90 lm	25 m	3 h	
			Movement	90 lm	55 m	3 h	
			Distance Vision	90 lm	90 m	3 h 30	
			Reserve Lighting	10 lm for 1.5 h			
PIXA 3 E78CHB 2	CE ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C UKCA (1)	●	Close-Range Work	20 lm	15 m	26 h	160 g
E78CHB 2UL	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C (1)		Movement	60 lm	45 m	6 h 30	
			Distance Vision	100 lm	90 m	3 h 30	
			Reserve Lighting	10 lm for 13 h			
PIXA 2 E78BHB 2	CE ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C UKCA (1)	●	Close-Range Work	20 lm	25 m	26 h	160 g
E78BHB 2UL	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C (1)		Movement	80 lm	55 m	3 h 30	
			Reserve Lighting	10 lm for 13 h			
PIXA 1 E78AHB 2	CE ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C UKCA (1)	●	Close-Range Work	20 lm	10 m	16 h	160 g
E78AHB 2UL	HAZLOC Class I Div 2 Groups C, D Class II Div 2 Group G Temperature code T4 Ambient temperature: -30° C to +40° C (1)		Movement	60 lm	15 m	3 h 30	
			Reserve Lighting	10 lm for 6.5 h			

(1) Certifications guaranteed only with alkaline batteries

Lighting specifications are subject to change: check www.petzl.com

ULTRA-COMPACT, VERSATILE HEADLAMPS

Ultra-compact and versatile headlamps designed for occasional or frequent use by tradespeople, maintenance professionals, or stage workers.

Stainless steel plumbing, France © 2023 Petzl Distribution - Rémi Flament - Croze

ARIA 2R
Compact, rechargeable, durable, and waterproof headlamp, with lighting designed for proximity vision and movement. 600 lumens

ARIA 1R
Compact, rechargeable, durable, and waterproof headlamp, designed for proximity lighting. 450 lumens

ARIA 2 / ARIA 2 RGB
Compact, durable, and waterproof headlamp, designed for proximity lighting and movement. 450 lumens

ARIA 1 / ARIA 1 RGB
Compact, durable, and waterproof headlamp designed for proximity lighting. 350 lumens

Accessories

CORE

SLOT ADAPT

HELMET ADAPT

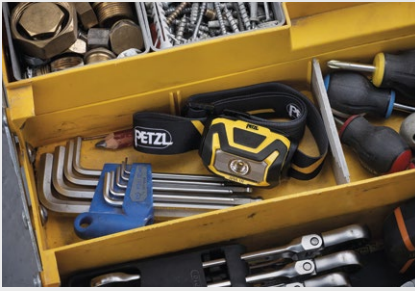UNIADAPT

Spare Headband for ARIA

SHELL L

Emergency Headlamp

e+LITE
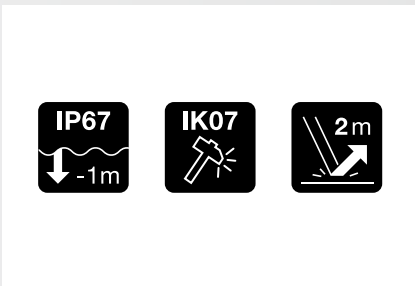Ultra-compact emergency headlamp. 40 lumens

CUSTOM

Ultra-Compact and Versatile Headlamps

• Ultra-compact

Ultra-compact, ARIA headlamps can be easily stored in a toolbox.

• Waterproof and durable

ARIA headlamps are designed to meet the needs of professionals: waterproof (IP67), impact resistant (IK07), and fall resistant up to 2 meters.

IP67 -1m   **IK07**   **2m**

• Easy to use

The single button on ARIA headlamp allows you to access every lamp function: on/off, lighting levels, lighting colors (black version only), lock, and battery level.

• Practical

HYBRID CONCEPT   AAA / LR03   or   CORE   USB
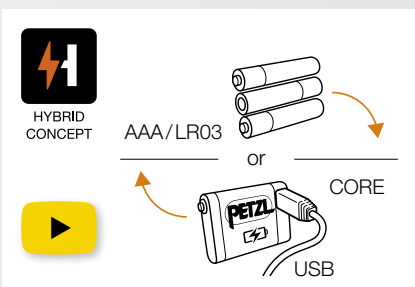
The HYBRID CONCEPT design allows the headlamps to function with standard AAA/LR03 batteries or with a CORE rechargeable battery. The headlamp automatically detects the energy source and optimizes lighting performance. With a rechargeable CORE battery, the lamp provides more brightness when it is turned on and throughout the duration of use.

HELMET ADAPT   SLOT ADAPT
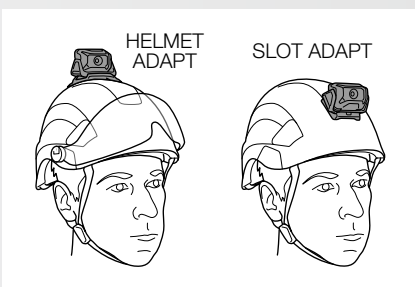
The headband allows ARIA headlamps to be worn on the head or around the neck. They can also be mounted on a helmet, with mounts available as accessories: HELMET ADAPT (compatible with a variety of helmet types) and SLOT ADAPT (for helmets with compatible slots).

• For frequent use, lamps with rechargeable battery

Wide and mixed beam

LARGE   MIXED

Wide beam

LARGE

• For occasional use, lamps with standard batteries

Wide and mixed beam

LARGE   MIXED

Wide beam

LARGE

▶ ARIA headlamps

ARIA 2R

**Compact, rechargeable, durable, and waterproof headlamp,
with lighting designed for proximity vision and movement. 600 lumens**

Casting 600 lumens, the compact and rechargeable ARIA 2R headlamp was specifically designed to be used by tradespeople and maintenance professionals. It is durable, impact- and fall-resistant, as well as waterproof and dustproof, making it suitable for various working conditions. Easy to use, with a single button for controlling all lamp functions. The wide, uniform beam provides comfortable proximity lighting and the mixed beam makes moving around easier. It is convenient and can be worn on the head, around the neck, and on different types of helmets, using mounting plates that are available as accessories. With its HYBRID CONCEPT design, ARIA 2R comes with the 1250 mAh CORE rechargeable battery but also works with three standard batteries.

600lm	**115** m	**100**h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

ARIA 1R

**Compact, rechargeable, durable, and waterproof headlamp,
designed for proximity lighting. 450 lumens**

Casting 450 lumens, the compact and rechargeable ARIA 1R headlamp was designed to be used by tradespeople and maintenance professionals. Durable, it is fall and impact resistant. It is also waterproof and dustproof, making it suitable for various work conditions. Easy to use, with a single button for controlling all lamp functions. The uniform wide beam offers comfortable close-range vision. It is convenient and can be worn on the head, around the neck, and on different types of helmets, using mounting plates that are available as accessories. With its HYBRID CONCEPT design, ARIA 1R comes with the 1250 mAh CORE rechargeable battery but also works with three standard batteries.

450lm	**75** m	**110**h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

ARIA 2 / ARIA 2 RGB

**Compact, durable, and waterproof headlamp,
designed for proximity lighting and movement. 450 lumens**

Casting 450 lumens, the ARIA 2 compact headlamp was designed to be used by tradespeople and maintenance professionals. Durable, it is fall and impact resistant. It is also waterproof and dustproof, making it suitable for various work conditions. Easy to use, with a single button for controlling all lamp functions. The wide, uniform beam provides comfortable proximity lighting and the mixed beam makes moving around easier. It is convenient and can be worn on the head, around the neck, and on different types of helmets, using mounting plates that are available as accessories. ARIA 2 comes with three standard batteries and is also compatible with the CORE rechargeable battery, with its HYBRID CONCEPT design. The ARIA 2 RGB features red/green/blue lighting.

ARIA 2 RGB

450lm	**100** m	**100**h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

ARIA 1 / ARIA 1 RGB

Compact, durable, and waterproof headlamp designed for proximity lighting. 350 lumens

Casting 350 lumens, the ARIA 1 headlamp was designed to be used by tradespeople and maintenance professionals. Durable, it is fall and impact resistant. It is also waterproof and dustproof, making it suitable for various work conditions. Easy to use, with a single button for controlling all lamp functions. The uniform wide beam offers comfortable close-range vision. It is convenient and can be worn on the head, around the neck, and on different types of helmets, using mounting plates that are available as accessories. ARIA 1 comes with three standard batteries and is also compatible with the CORE rechargeable battery, with its HYBRID CONCEPT design. The ARIA 1 RGB features red/green/blue lighting.

ARIA 1 RGB

350lm	**70** m	**110**h
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

CUSTOM

Ultra-Compact and Versatile Headlamps

Accessories

CORE
Rechargeable battery compatible with Petzl HYBRID headlamps. 1250 mAh
High-capacity 1250 mAh lithium-ion rechargeable battery for Petzl headlamps featuring the HYBRID CONCEPT design: ARIA 1, ARIA 1R, ARIA 2, and ARIA 2R. It provides excellent lighting performance, even at low temperatures. It recharges directly with the integrated USB port. The CORE rechargeable battery offers an economical solution as the main power supply or as a back-up battery.

SLOT ADAPT
Plate for mounting an ARIA headlamp on a Petzl helmet
Plate for mounting a headlamp from the ARIA range on a Petzl VERTEX or STRATO helmet, while maintaining the ability to adjust headlamp tilt.

HELMET ADAPT
Adhesive plate for mounting an ARIA headlamp on a helmet
Adhesive plate for mounting a headlamp from the ARIA range on a helmet.

UNI ADAPT
Adhesive clip for mounting a Petzl headlamp on a variety of helmet types (pack of 4)

Spare Headband for ARIA
Spare headband for headlamps from the ARIA range.

SHELL L
Pouch for storing ultra-compact headlamps from the ARIA range.

Emergency Headlamp

e+LITE®
Ultra-compact emergency headlamp. 40 lumens
Ultra-lightweight and highly compact, the e+LITE emergency headlamp is the one to always have with you. With a carrying case, it's always ready to use and can be stored with its batteries for ten years in a backpack, vest, or emergency kit, or used as a back-up headlamp. It casts 40 lumens of continuous or strobe, white or red lighting, so you can be seen. The whistle integrated in the elastic headband allows the user to signal an emergency. Weighing only 26 grams, e+LITE is an ideal emergency headlamp.

40 lm	15 m	9 h 30
MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME

Continuous or strobe lighting (white or red) allows you to be seen and to signal an emergency.

	Certifications	Lighting Color	Lighting Mode	ANSI / PLATO FL 1 MAX BRIGHTNESS	MAX DISTANCE	MAX BURN TIME	Weight
ARIA 2R E071AA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	100 h	95 g
			STANDARD	100 lm	60 m	7 h	
			MAX POWER	600 lm	115 m	2 h	
			Reserve Lighting	2 h			
ARIA 1R E069CA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	110 h	94 g
			STANDARD	100 lm	45 m	7 h	
			MAX POWER	450 lm	75 m	2 h	
			Reserve Lighting	2 h			
ARIA 2 E070AA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	100 h	106 g
			STANDARD	100 lm	60 m	10 h	
			MAX POWER	450 lm	100 m	2 h	
			Reserve Lighting	20 h			
ARIA 2 RGB E070BA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	100 h	106 g
			STANDARD	100 lm	60 m	10 h	
			MAX POWER	450 lm	100 m	2 h	
			Reserve Lighting	20 h			
		Red Green Blue	Continuous	4 lm	5 m	50 h	
			Strobe	Visible at 700 m for 300 h			
ARIA 1 E069AA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	110 h	105 g
			STANDARD	100 lm	45 m	12 h	
			MAX POWER	350 lm	70 m	2 h	
			Reserve Lighting	20 h			
ARIA 1 RGB E069BA00	CE UKCA	White	MAX BURN TIME	7 lm	10 m	110 h	105 g
			STANDARD	100 lm	45 m	12 h	
			MAX POWER	350 lm	70 m	2 h	
			Reserve Lighting	20 h			
		Red Green Blue	Continuous	4 lm	5 m	50 h	
			Strobe	Visible at 700 m for 300 h			
e+LITE E02 P4	CE UKCA	White	Proximity	20 lm	13 m	9 h 30	26 g
			Movement	40 lm	15 m	3 h	
			Strobe	Visible at 100 m for 95 h			
		Red	Proximity	Visible at 100 m for 15 h			
			Strobe	Visible at 100 m for 70 h			

Accessories		Weight
CORE	E99ACA	23 g
SLOT ADAPT	E073BA00	11 g
HELMET ADAPT	E073AA00	22 g
UNI ADAPT	E000BA00	10 g
Spare Headband for ARIA	E068AA01	24 g
SHELL L	E93990	41 g

Lighting specifications are subject to change: check www.petzl.com

Petzl Solutions for Outdoors and Tactical Operations

© Marc Daviet

Climbing

Whether climbing at a crag or on an indoor wall, Petzl is constantly imagining new solutions for dedicated climbers, or for those simply seeking a moment to recreate and be social.

© Rémi Flament

Caving

Petzl's roots are in subterranean exploration! For over 50 years, since the development of our very first headlamps, rope clamps and descenders, we have shared a profound connection with explorers of the deep.

© Mathis Dumas

Ice Climbing

Ice climbing is very technical and requires highly specialized equipment. Gullies, couloirs, icefalls: climbing these ephemeral formations always brings an extra bit of adventure.

Mountaineering

Deploy every technique for progression on snow, ice, or rock. Put your skills to the test and choose the right gear. Do whatever it takes to reach the summit and find your limit.

© Mathis Dumas

© Sam Bié

Canyoning

A combination of hiking, climbing, and swimming in whitewater, canyoning has become a major outdoor activity in recent years, even outside the summer season.

© Sam Bié

Via Ferrata

Via ferrata is the most approachable way to discover the vertical environment, via a route made of cables, ladders, and steps on a rock wall. It's a wonderful introduction to more technical pursuits.

© Jeremiah Watt

After Dark Outdoor Activities

Disconnect from everyday life and get back to nature for an evening or a weekend. Make your days longer; stargaze, observe the wildlife, or simply share a moment around a campfire with family or friends.

© Marc Daviet

Night Running

Get out of the house, hit the trails or run the city streets. Running gives you a fresh perspective on your daily life, whether your goal is to spend time in nature or push your limits in training.


© James Roh

Tactical, Special Forces

Tactical operations in a hostile environment require maximum safety in every situation, so being able to count on the quality and performance of the equipment is essential.

The Petzl Foundation

Exploring New Horizons

The Petzl Foundation's mission is to support and initiate public interest projects through its activities in mountainous and vertical domains; projects that help bring balance to humankind's place in its natural, cultural, and economic environments. The foundation supports non-profit organizations through financial and equipment grants, as well as consultation and training.
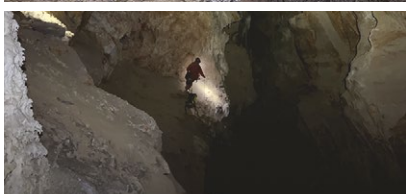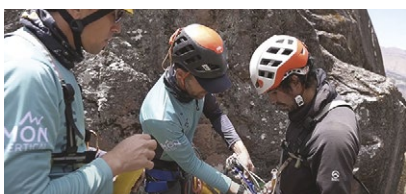
Our courses of action:

© ITRA
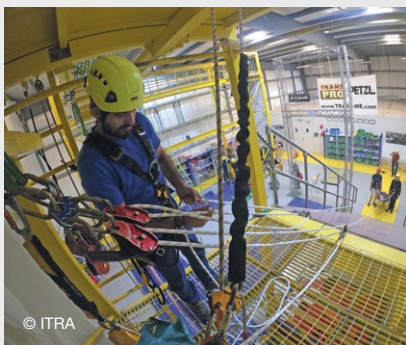
Prevent accidents in vertical environments

© Sarah Del Ben, Fondation UGA

Encourage mountain exploration

© Olivier Lefebvre

Support ecological transition in mountainous areas

Vertical Archaeology in Peru with Ukhupacha

Ukhupacha is an organization that enables scientists from around the world to explore inaccessible archaeological sites. Over the last 20 years, numerous archaeological expeditions throughout South America, including to Machu Picchu, Peru, have led the organization to develop the concept of Vertical Archaeology. Their goal is to train scientists and archaeologists to be proficient in vertical rope progression techniques, allowing them to safely and efficiently conduct research.

In October 2022, the Ukhupacha technical team spent a month in Pitumarca, in the Cusco region of Peru. Perched above the village at an altitude of 3500 meters, a striking limestone climbing area has been developed over the last few years by the local climbing community and the organization, 7a Escalada. Ukhupacha's mission has been to spread awareness about accident prevention within the climbing community, and to train Rondas Campesinas in basic rescue techniques. The aim is to teach them how to evacuate someone using a litter or to transport patients to medical centers from the remote areas where they live. At the end of the trip, members of Ukhupacha were able to explore two areas with great caving and archaeological potential.

In addition to financial support, the Petzl Foundation donated technical equipment that was made available to 7a Escalada and the community of Pitumarca. This has given them the tools to organize rescues for climbers or locals who regularly use the steep trails and sometimes experience falls or accidents.

Support: €20,000, including technical equipment
Website: www.ukhupacha.com

See all Petzl Foundation projects

www.petzl.com
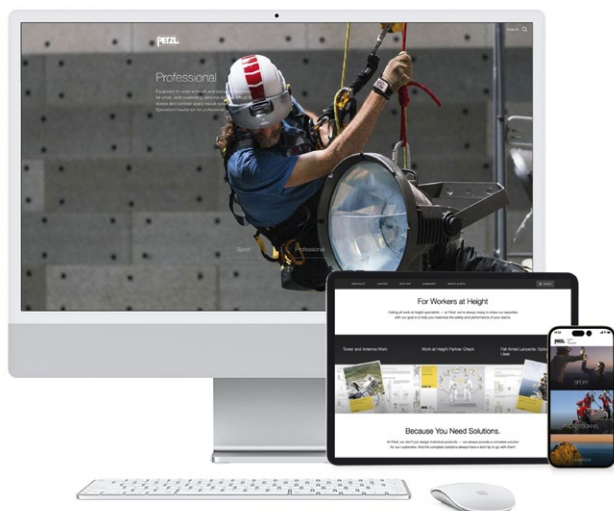
The site for professionals working at height and in dark environments.

• Discover Petzl solutions for verticality and lighting
• Check out tips and technical information on best practices for using Petzl products
• Find all the Petzl news and reports on various trades: videos, news, portraits, and events
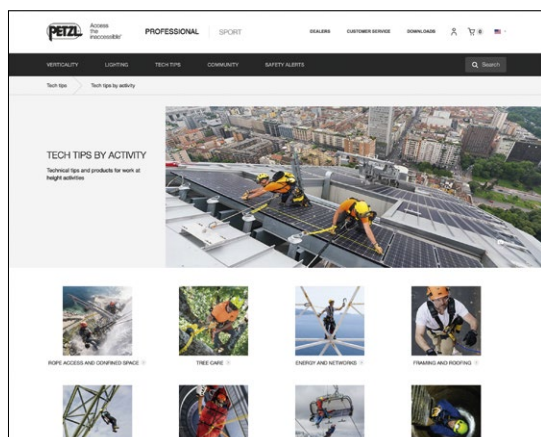
Pages to explore

Beyond our product offerings, Petzl offers a wide range of technical information: Instructions for Use, tech tips, PPE inspection records, and more.
Discover all the content pages on our website. Whether you are novice or expert in your field, Petzl shares its technical expertise to help you work more safely and efficiently.

On our product pages, you will find:
- Instructions for Use: they are the base of our technical information and provide the essentials for using your products. Remember to read them before using your products.
- Technical tips, "by Petzl". They contain information complementary to the Instructions for Use: test results, feedback, and technical videos. Documents with all you need to know about your products!
- Documents and procedures for PPE inspection: use them when you inspect your PPE

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The activities depicted are inherently dangerous. All users must be trained and competent in the use of the equipment for these activities.

Access the inaccessible®

PETZL®