





climbing
technology

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CLIMBING PASSION

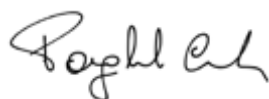
Climbing Technology (CT) is the brand of Aludesign S.p.A., a company with almost 30 years of international experience developing and manufacturing Personal Protective Equipment (PPE). CT operate in a factory of 4000 sqm located in Italy, between Bergamo and Lecco, a geographical area characterized by a strong and recognized mountaineering tradition. The extensive know-how, combined with the newest manufacturing technologies, is the prerequisite for the development and production of devices conceived to excel in all vertical activities: mountaineering, sport climbing, work at heights, technical rescue and recreational activities such as via ferratas and adventure parks. The specialized diversification, constant revision of new cutting edge materials and processing techniques, are the means for setting new standards in excellence and devices that fully respond to the most advanced technical expectations. Our mission identifies three fundamental objectives: **safety, functional effectiveness and simplicity.**

Objectives which enhance the added value of a product genuinely **MADE IN ITALY** and distinguish our endeavor for innovation to grant the maximum safety for the user. We believe in the ethics for preventing accidents during vertical activities. Every production process in our company is carried out in compliance with the European directives and standards. We believe in the ethos towards labour and environmental preservation. Every product marked CT is manufactured in conformity with the quality system ISO 9001:2008, in addition, it must successfully withstand a complex series of laboratory and field tests before it is released in the market.

News 2014.

- **Passion Pro:** carabiners and quickdraws with a new best-grip gate, new hot forged ergonomic bent gate, and embossed marking on the body.
- **Aerial Pro:** carabiners and quickdraws with a new best-grip gate and a new hot forged ergonomic bent gate.
- **Lime:** Hot forged carabiners and quickdraws, with new colours and embossed marking on the body.
- **K-classic:** Via ferrata carabiner with automatic anti-snagging gate.
- **Discovery e Pro-canyon:** harnesses with improved materials and design.
- **Jungle:** adjustable full-body harness for children, with ergonomic design and innovative "Magnetic Twist" buckle that prevents the unclipping.
- **Multi-chain:** versatile daisy chain built with single loops.
- **Lyca:** 12 points technical crampons, designed for technical mountaineering, goulottes and ice climbing.
- **Nuptse Evo:** improved version with innovative macro-setting system for a quick size adjustment and double lever size adjustment system.
- **Limestone, Magma e Granite:** complete technical rucksack line for climbing, alpinism, mixed routes and ski-touring.
- **Tank:** rope rucksack and wide sheet with central well to hold rope during transport and use.
- **Alta Via, Active Trek, Tech Mountain e Alpine Route:** complete poles line for outdoor, trekking, trail running and approach.

Climb safely and...have fun!
Carlo Paglioli





Note.

The diagrams and explanations that follow are not exhaustive and are not intended to substitute appropriate theoretical and practical training.

For this reason, before use, it is necessary:

- to have received appropriate theoretical and practical training through a recognised specialist course;
- to have read thoroughly the instructions for the device you are using;
- be aware of the risks inherent in climbing and employ techniques to reduce them to a minimum.

PRACTICAL EXPLANATIONS

Why this explanation?

For a long time we have wanted to include in our catalogue a practical explanation of how best to use our products. This is not intended to be a manual nor to substitute a formal climbing course, but simply to give our customers, and friends, a summary of the main activities involved in climbing and mountaineering.

For us, safety is a constant, absolute “must”. This attitude drives us to invent, produce and sell products which are safe. A safe product isn’t just one which functions correctly and which meets the legal standards: a safe product is functional, logical, ergonomic, long-lasting, easy to use, error-proof, well-designed and attractive to look at. A product is safe only if all its applications and advantages are explained in details and made readily available to the user. As well as our articles, our products are sold with clear instructions which can be easily downloaded from our website. With the same philosophy, in the following section, you find a practical real-life explanation of the use of many Climbing Technology products.

This Practical Explanations section is in three parts which describe in turn:

- A) Single-pitch sport climbing (pag. 4).
- B) Multi-pitch climbing (pag. 14).
- C) Climbing a Via Ferrata (pag. 24).

Each chapter consists of an introduction, presents the recommended Climbing Technology products and a series of diagrams with explanations of how best to use them.

Innovation.

Over the years we have brought some truly innovative products to market, and positive feedback from climbers is a source of real satisfaction for us.

With the Click Up we created a belay device for single-pitch sports climbing which lets you pay out rope fast without it jamming and which lets you lower your partner to the ground, even if you make a mistake! The belay / rappel device Alpine Up represented a major step forward, letting you belay the leader on all types of terrain as well as being suitable for self-locking abseiling on double ropes. The pulley / rope clamp Rollnlock is always useful to have on your harness, in case you need to climb up the rope or winch in an emergency or routine situation.

And let’s not forget the new range of harnesses introduced in the last catalogue and expanded this year or the new collection of rucksacks and walking poles that you will find later in this catalogue. You see many of these products “in action” in the following pages and the descriptions let you understand better their functionalities and advantages.

A - SINGLE-PITCH SPORT CLIMBING

“Sport climbing” means climbing with already-existing fixed protection points, so as to guarantee the maximum safety in case of a fall. Most (but not all) sport climbing is on single-pitch routes whose length is up to 35/40 m. The routes are bolted by enthusiasts or in some cases by people whose job it is to bolt the routes.

Each route consists of:

- a series of fixed intermediate anchors, expansion or glue-in bolts;
- the end of the route and the point you lower-off from, the “belay” or “lower-off”.

To climb a route, someone must “lead” it, that means they must climb up the rock face, clipping the rope into the quickdraws which are placed from each successive fixed protection bolt. As s/he leads, the

other person belays them, using a belay device, paying out the rope gradually to enable them to climb and holding the rope to stop a fall, should it occur. The leader climbs up to the top of the route, to the belay/lower-off, which has a screw-gate karabiner or a ring specially for lowering-off from, through which s/he passes the rope. The belayer then lowers the leader to the ground using the belay device to gradually pay out the rope. The route can now be climbed top rope: with the rope already passed through the lower-off, people can climb without risk of leading the route.

A1 - NECESSARY EQUIPMENT

1) Helmet.

Protects your head against falling rocks and/or possible impact with the rock if you fall.

2) Sport climbing harness.

Used to connect the climber to the rope and supports her in case of a fall or when being lowered-off.

3) Belay device.

Connected to the harness and to the rope, allows the second to belay the leader, paying out the rope as he climbs, holding the cord in the case of a fall and gradually paying it out for lowering-off.

4) Quickdraws.

Used to connect the rope to the fixed anchors in the rock, to arrest a fall.

5) Single rope.

Connects the climbers and absorbs the impact of and arrests a fall. For single-pitch sport climbing a single rope is used, marked with ①.

6) Chalk bag.

Chalk absorbs sweat on the fingers and improves the grip on the holds.

7-8) Slings and screw-gate krabs.

They are useful for belaying yourself when you are threading the belay.

9) Rope bag.

For carrying the rope to the base of the crag and contains a sheet of cloth on which the rope can be placed on the ground to avoid it getting dirty.



1) GALAXY
> page 77



2) ON-SIGHT
> page 68



3) CLICK UP
> page 57



4) AERIAL PRO SET
> page 37



5) ANACOND
> page 136



6) FANTASY
> page 138



7) AERIAL PRO SG
> page 37



8) LOOPER DY
> page 94



9) TANK
> page 129

A2 - CLIMBING SEQUENCE

LEADING.

The successive steps in leading a single-pitch route are shown.

1 - Buddy check.

A checks that **B** has correctly connected the belay device to his harness and passed the rope correctly through the belay device. **B** checks **A**'s knot.

2 - Leading.

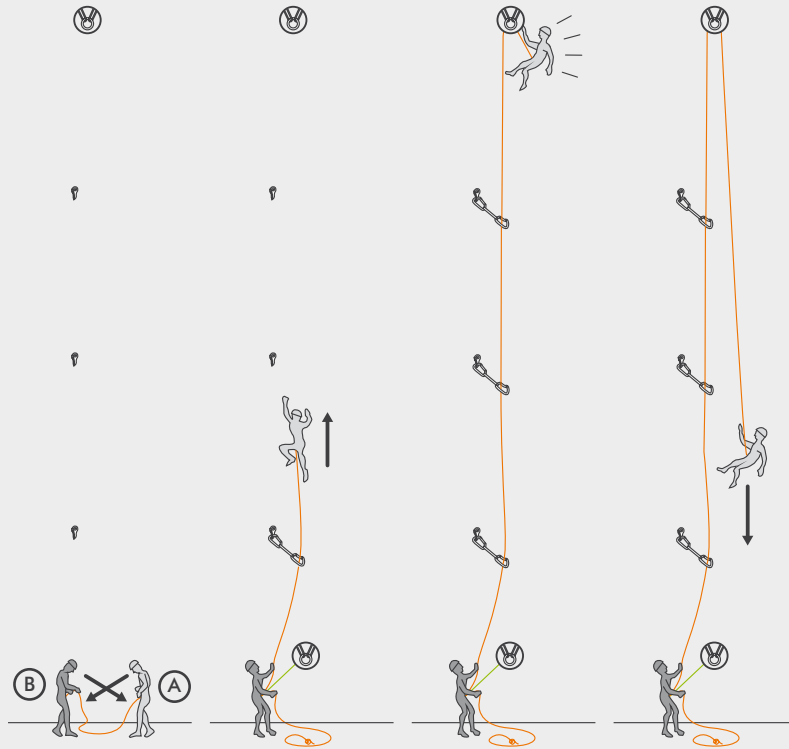
B belays, paying out rope to **A** who climbs up the route, clipping a quickdraw onto each bolt and the rope into the quickdraw.

3 - At the belay.

A has arrived at the end of the route and has threaded the rope through the lower-off.

4 - Lowering-off.

B pays out the rope through the belay device to lower **A** back down to the ground.



TOP-ROPING.

The successive steps in top-roping a single-pitch route are shown.

1 - Climbing top-rope.

After the buddy check, **B** climbs the route, removing the quickdraws as she climbs while **A** progressively takes in the rope so that she is belayed safely.

2 - At the belay.

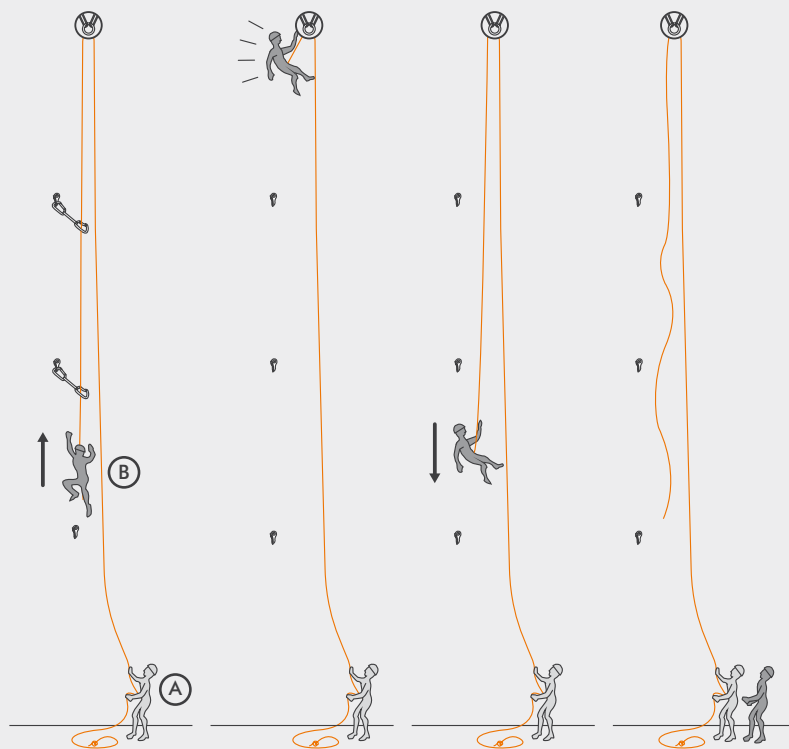
B has reached the belay and is ready to be lowered-off.

3 - Lowering-off.

A pays out the rope through the belay device to lower **B** back down to the ground.

4 - Pulling down the rope.

A pulls down the rope by pulling on the end **B** wasn't tied to. The rope falls down and the team can tackle another route.



A3 - PREPARING TO CLIMB

Two people are needed to sport climb, one who climbs (**A**) and the other who belays (**B**). Before starting climbing, a series of actions ensure safety:

- **A** and **B** choose the route to climb, making sure their rope is of adequate length. It must be at least twice the length of the route;
- **A** feeds the rope into an orderly pile on the rope bag, making sure there are no knots. She ties a knot in the end of the rope;
- **A** and **B** put on their harnesses and helmets correctly;
- **A** ties the rope into her harness with a figure of eight knot while **B** connects the belay device to his harness and passes the rope into it;
- **A** and **B** carry out a Buddy Check.

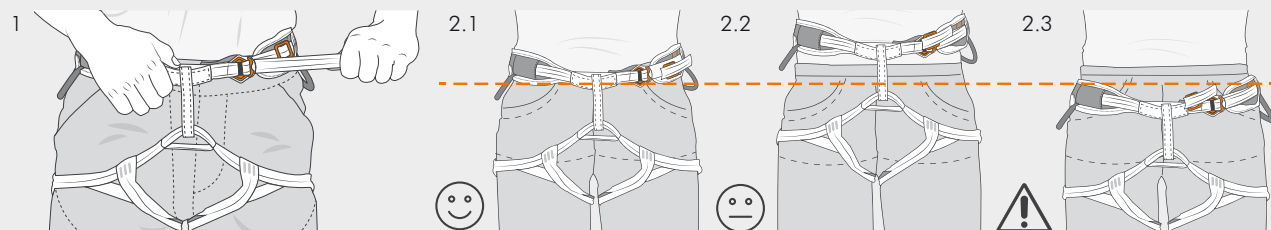
Buddy check.

The Buddy Check is the last and very important part of preparing to climb, and the safety of the team depends on it:

- **B** checks the belay device is functioning correctly and **A** makes sure he does this correctly;
- **B** checks **A** has tied the rope correctly to her harness with her figure of eight knot;
- **B** makes sure **A** has enough quickdraws, krabs and slings for the climb;
- **A** starts to climb, and **B** belays her.



A3.1 - ADJUSTING THE ON-SIGHT HARNESS



Sport climbing harnesses have only one buckle at the waist, have non-adjustable legs loops and are comfortable to wear. It is important when buying a harness to choose the right size for your body.

Before climbing:

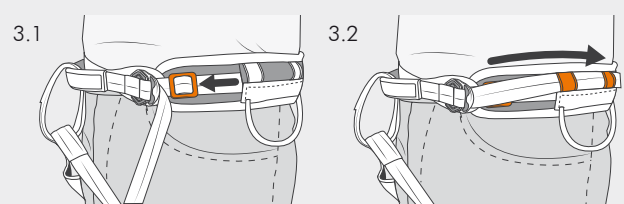
- make sure you put on correctly the leg loops and waistband;
- tighten the waistband by pulling on the free end of the belt to pull the

belt through the buckle (Fig. 1);

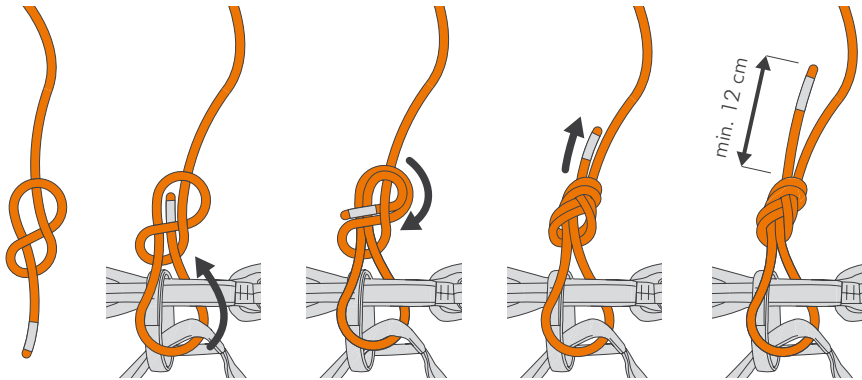
- move the SRS buckle to fix the free end of the waistband (Fig. 3.1 ÷ 3.2);
- make sure the harness is snug without being over-tight and that the waistband and leg loops are at the right height (Fig. 2.1 ÷ 2.3).

SRS (Size Regulation System).

The On-sight harness features the innovative SRS (Size Regulation System) which allows optimal adjustment of the harness. Move the SRS buckle (Fig. 3.1) to fix the free end of the waistband and improve fitting to body shape. Tuck the free end of the belt into the loops provided on the waistband for this purpose (Fig. 3.2).

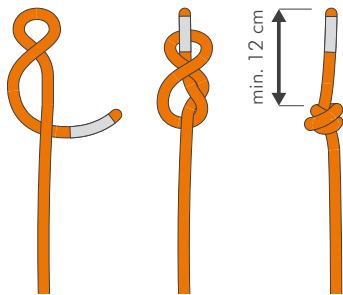


A3.2 - TYING THE FIGURE OF EIGHT KNOT



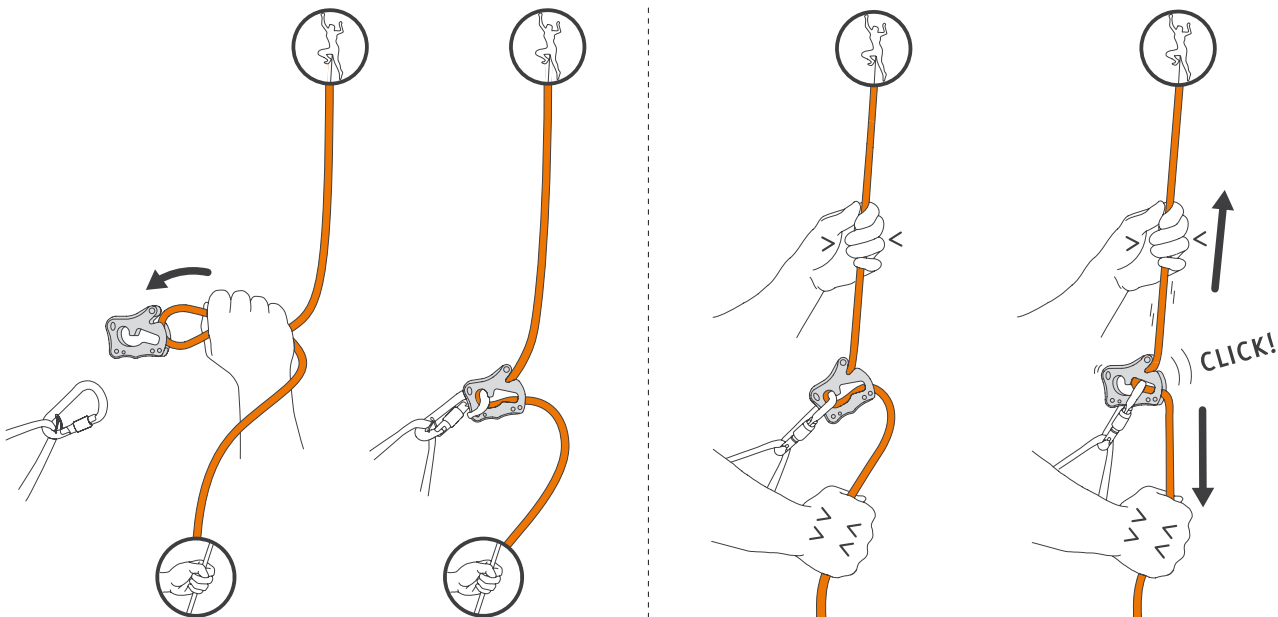
The **figure of eight knot** is the safest and easiest to tie knot for attaching the rope to the climber's harness. To tie it follow the steps shown in the diagram to the left making sure that the rope passes through both the waist loop and the loop joining the leg loops. Make sure the knot is tied correctly and at least 10-12 cm of free end of the rope is left sticking out.

A3.3 - TYING THE KNOT IN THE END OF THE ROPE



The knot in the end of the rope is tied so that the rope can't accidentally run through the belay device while lowering off if you haven't made sure that the rope is at least twice as long as the length of the route: **don't forget it!**

A3.4 - PREPARING THE CLICK UP BELAY DEVICE



Installation. Insert a screw-gate krab into the harness's belay loop, open the Click Up's lever and insert the rope into the Click Up making sure you have it the right way round (follow the symbols). Insert the screw-gate krab through the device then screw up the gate.

Functional test. Hold the free end of the rope with one hand and with the other pull the climber's rope upwards. Make sure the Click Up blocks the rope, making the distinctive "Click" sound.

A4 - BELAYING THE LEADER

Belaying the leader involves paying out rope through the belay device to the leader (A), holding the rope in case of a fall and then lowering the leader back to the ground once she has climbed the route. This lets the leader climb the route in safety.

To belay well, the belayer (B) should:

- be able to use the belay device properly;
- belay themselves to the ground/nearby crag if they are much lighter than the leader (A) or if there is a risk of them falling off an exposed ledge from which they are belaying;
- pay constant attention to the leader (A) as she climbs and stand as close in as possible to the rock;
- never let go of the free end of the rope;
- not pay out to the climber (A) more rope than is necessary and be ready to take-in slack rapidly if needed;
- be ready to hold the companion (A) if she falls and lower her to the ground as indicated in the instructions of the belay device used.

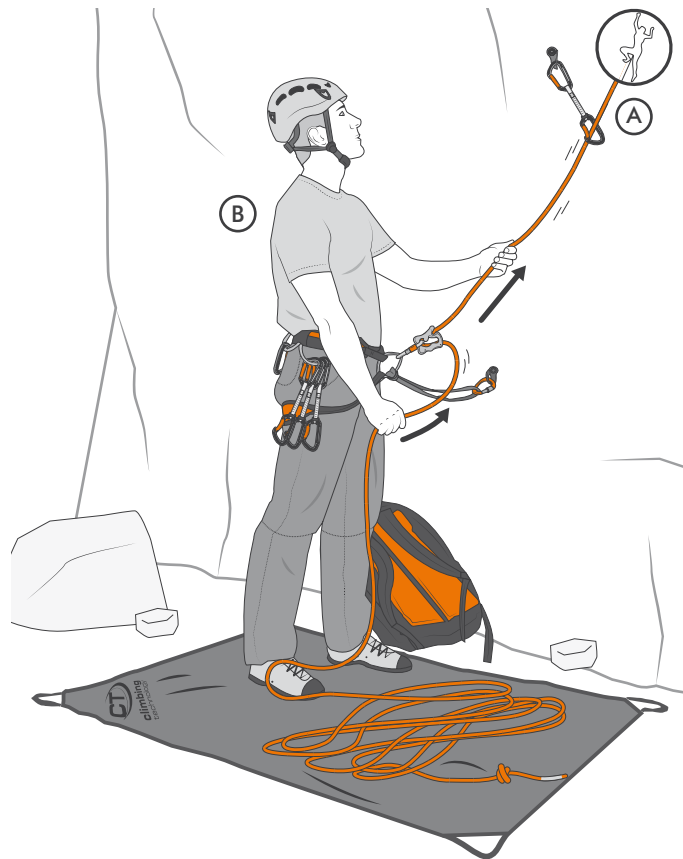
When sport climbing it is common to use a belay device with assisted braking to belay the leader. Belay devices with assisted braking are popular because, in the case of a fall, they automatically lock the rope provided the free end of the rope is held. The devices currently on the market do not always work perfectly in the following situations:

- paying out rope quickly to the leader without the rope jamming;
- they are dangerous if the rope is inserted incorrectly.

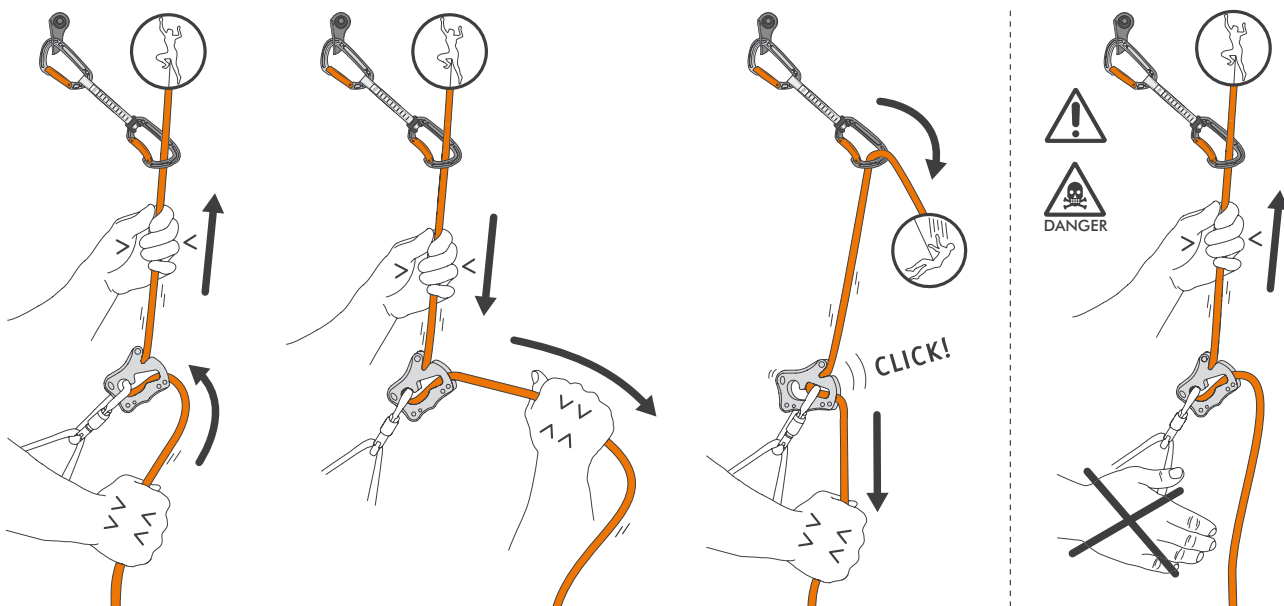
Our **Click Up** belay device overcomes these disadvantages, thanks to its special design:

- it lets you pay out rope very quickly, without the device jamming;
- it is very safe because, even if the rope is inserted incorrectly, it still lets you arrest a fall and lower the climber to the ground.

Click Up can be used with single ropes of diameter Ø 8.9-10.5 mm.



A4.1 - CLICK UP: PAYING OUT ROPE AND HOLDING A FALL



Paying out rope.

With one hand pull the climber's end of the rope so it flows through the Click Up and with the other hand make a free loop and feed the rope into the device.

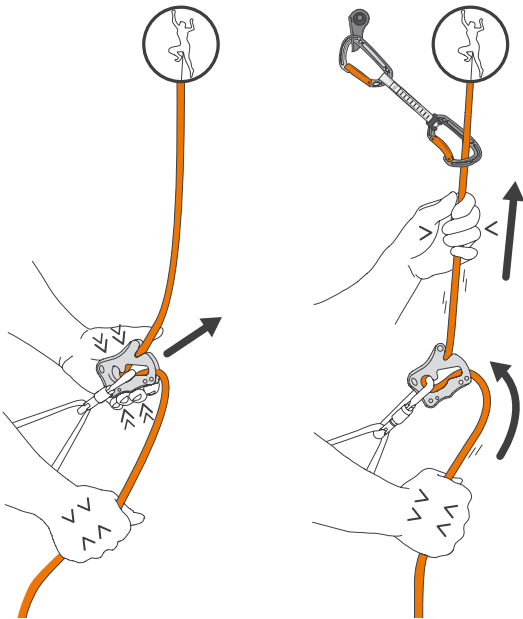
Taking-in rope.

With the lower hand pull the rope through the Click Up, with the other hand pull the climber's rope downwards towards the device.

Holding a fall.

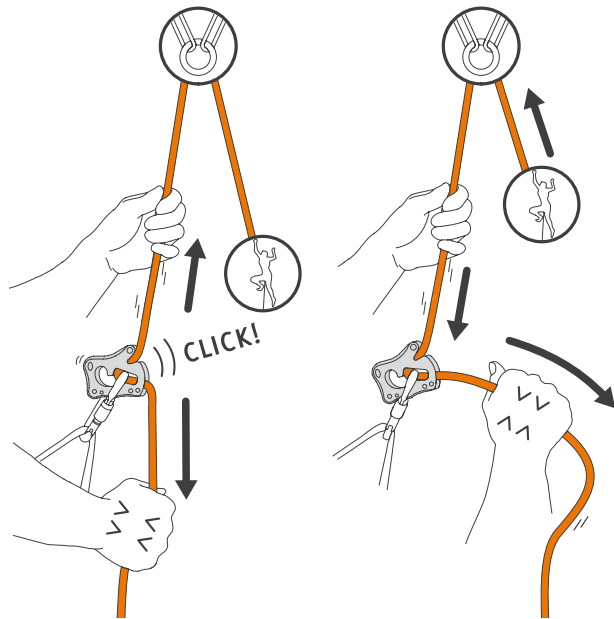
With the lower hand hold on tight to the rope, moving your hand downwards. The Click Up will automatically block the rope, making the distinctive "Click". **Important!** When belaying you must always hold onto the free end of the rope and never let go of it.

A4.2 - RELEASING THE ROPE



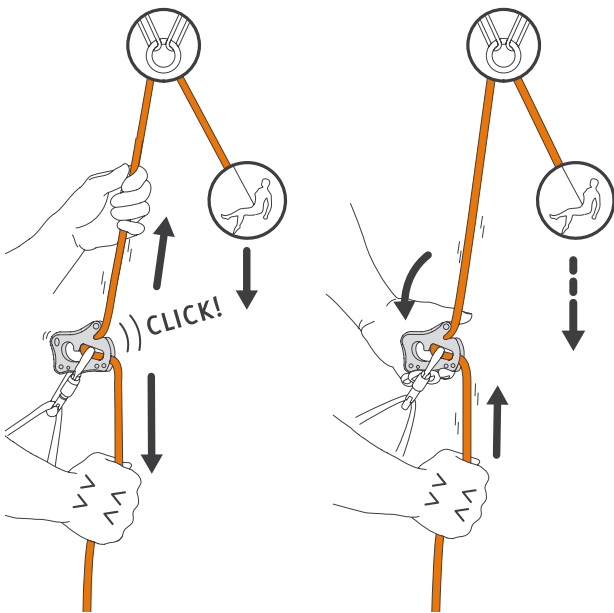
To start paying out again rope to the climber after she has hung on the rope or after a fall, keep holding the free end of the rope with one hand and with the other hold the Click Up and lift it upwards, so as to return the belay karabiner to its initial position. This unblocks the device and you can pay out rope again.

A4.3 - BELAYING TOP ROPE



Use the Click Up in locking mode. With one hand pull the free end of the rope through the Click Up, with the other feed the rope from the climber into the device. Using the device in this way is very safe because the climber is constantly belayed with the rope in tension and the Click Up in locking mode.

A4.4 - LOWERING THE OTHER CLIMBER



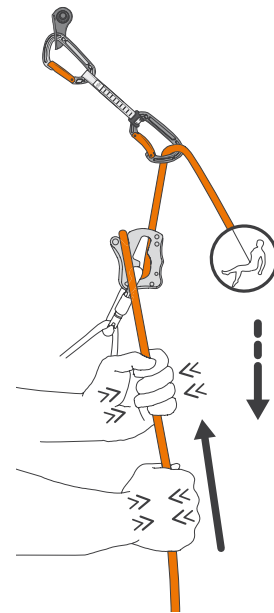
Lowering the other climber.

Take in rope and lock the Click Up. Keeping one hand all the time on the free end of the rope, with the other hold the Click Up as shown in the diagram and with the palm of the hand push the corner of the device downwards. Feed the free end of the rope into the device. When the climber is on the ground, unblock the device.

A4.5 - SAFE EVEN IF USED INCORRECTLY

ALWAYS SAFE!

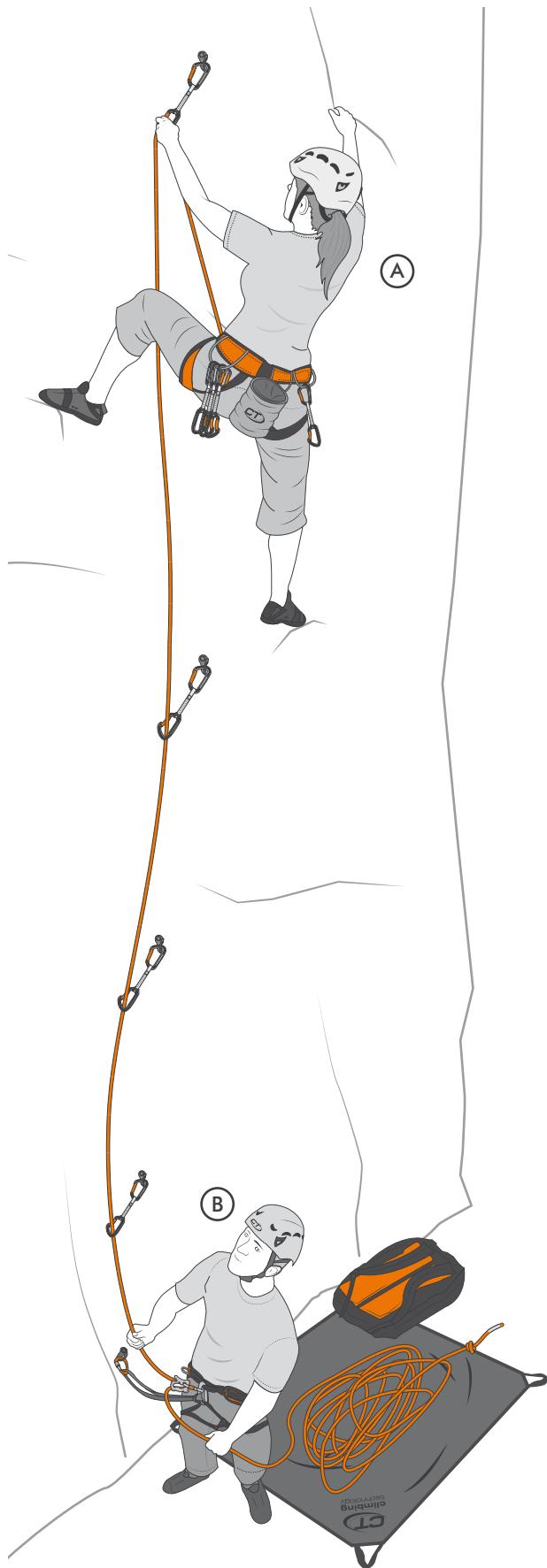
Even if the rope is inserted incorrectly into the Click Up, thanks to the special V-shaped braking groove, the device remains effective for belaying! This is an important feature because it combats and reduces the frequent cases of mistaken use that occur with other belay devices and makes the Click Up ideal for climbing schools, beginners and indoor climbing gyms.



Lowering the other climber even if used incorrectly.

If the rope is inserted incorrectly (the wrong way round, or the Click Up upside-down) the device still permits you to lower the climber safely to the ground. Keeping firmly hold of the free end of the rope, position it in the braking groove and slowly release rope towards the Click Up until the climber is on the ground.

A5 - LEADING

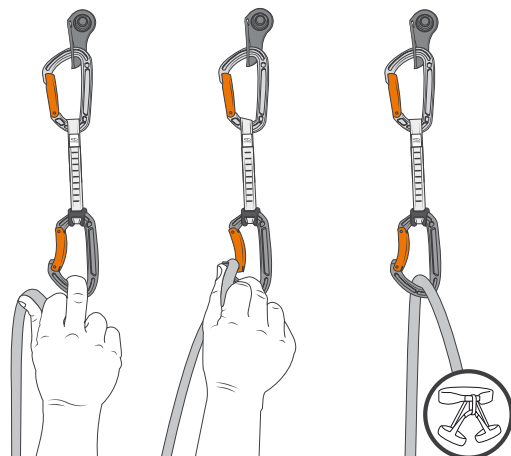


“Leading” is when the climber (A) climbs up the route using the natural hand- and footholds present in the rock and clipping the rope into the quickdraws clipped onto the bolts to protect herself in case of a fall. In order to climb safely the leader (A) should:

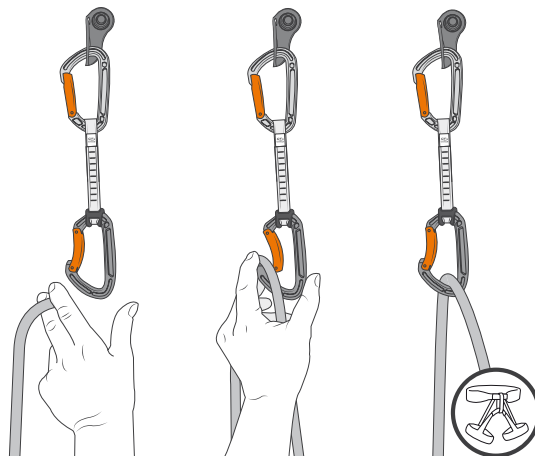
- be correctly tied into the rope and the belayer (B) should belay attentively;
- be aware of her own capabilities and know the appropriate climbing techniques;
- be able to clip the quickdraw onto the bolt and then the rope into the quickdraw, as correctly as possible;
- be able to thread the belay.

The following diagrams indicate some correct approaches to placing quickdraws and clipping the rope into the quickdraw (not exhaustive).

A5.1 - CLIPPING TECHNIQUES

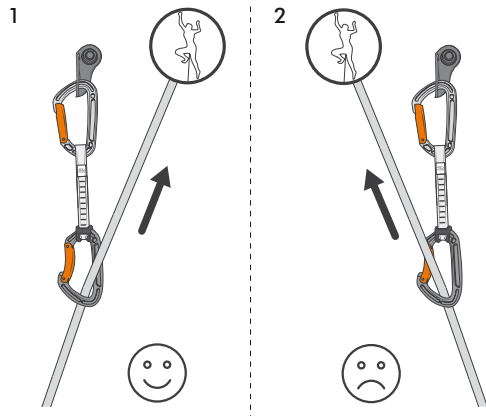


Correct clipping with the right hand, using the finger to steady the lower karabiner which has a curved gate to facilitate clipping.



Correct clipping with the left hand, using the hand to steady the lower karabiner. Place the rope so that it comes up through the karabiner and out towards the climber (see A5.2).

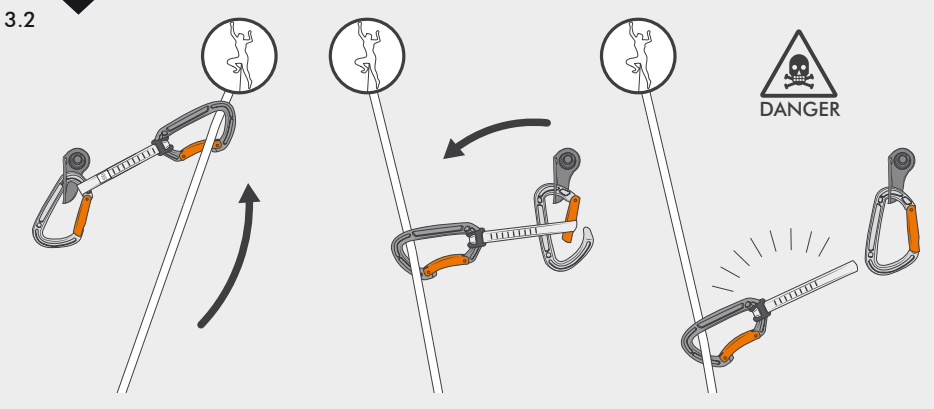
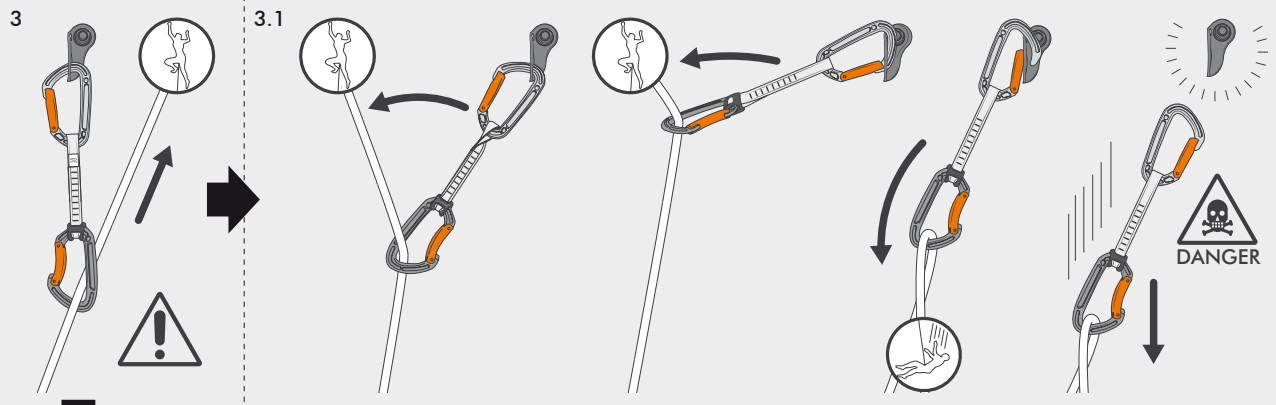
A5.2 - POSITIONING THE QUICKDRAWS



It is necessary to place the quickdraw so that the gate is away from the direction the climber is climbing and then clip the rope so that the rope comes up through the karabiner and out towards the climber. If these rules are not followed it is possible that the quickdraw gets turned over and/or during a fall that the rope becomes unclipped.

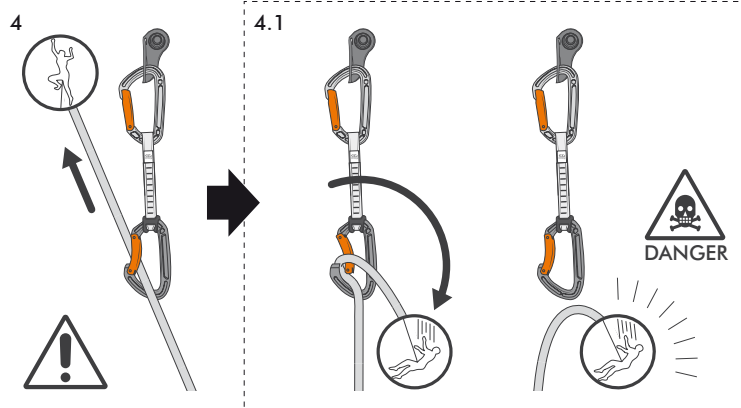
In the following pictures:

- 1) **Correct situation**, the gate is away from the direction of climbing and the rope come up through and out of the karabiner.
- 2) **Potentially dangerous situation**: because the climber's rope is running in the same direction as the gate of the karabiner.
- 3) **Real danger**: the karabiner is back-clipped and, due to the climber changing direction, accidents could be caused (Figs. 3.1-3.2).
- 4) **Real danger**, because the karabiner is back-clipped and the gate is facing the same direction as the rope.



In situation **3.1** a mistaken clip (back-clip) and the subsequent change of direction can cause the quickdraw to turn over and the karabiner attached to the bolt to unclip in a fall.

In situation **3.2** a mistaken clip (back-clip) causes the quickdraw to be lifted up and a subsequent change of direction can cause the quickdraw's sling to become unclipped.



In situation **4.1** you see one of the most probable risks of back-clipping. In a fall the rope can open the gate of the quickdraw, leading to the rope unclipping itself from the karabiner.

A6 - THREADING THE BELAY

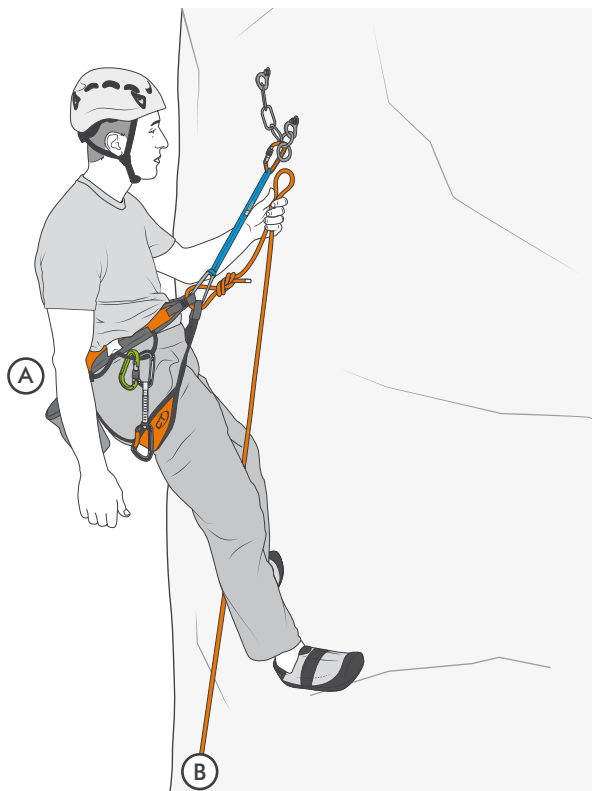
At the end of the route the climber will find the belay, normally consisting of two bolts joined by a chain and with a karabiner from which you can lower-off. In order to be lowered off, the climber must pass the rope through the karabiner, ask the belayer to take in tight and then be lowered.

At certain crags, instead of a karabiner for lowering-off, you find a closed ring or a "maillon rapide" which you cannot open to insert the rope. In this case you need to "thread the belay".

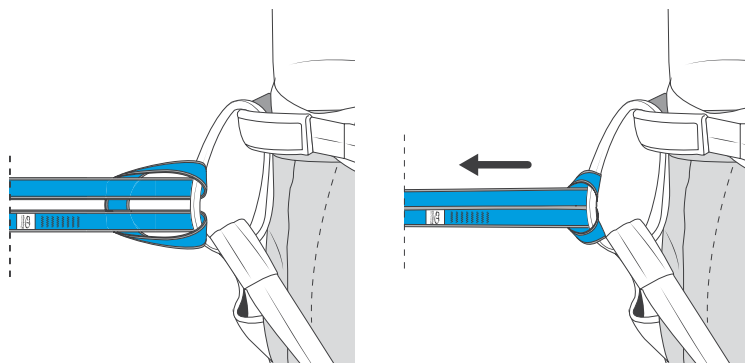
To do this safely you need:

- two screw-gate krabs;
- a 60 cm sewn sling or a rope sling.

Take care! If you don't know exactly how to do this, it's advisable not to make up your own methods because you could risk your life! It would be preferable to attach the rope to the ring with a screw-gate krab or with a quickdraw and lower-off.

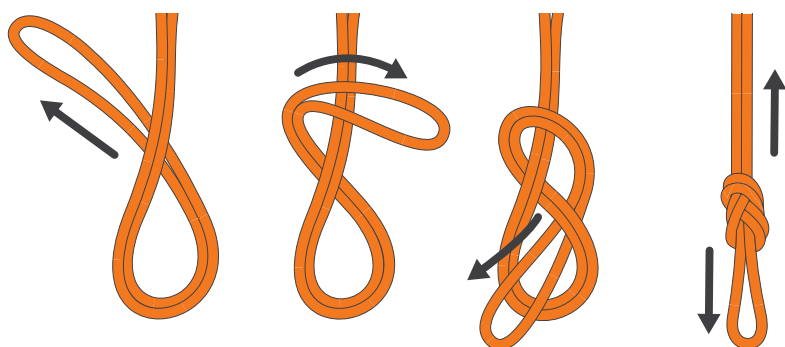


A6.1 - MAKE A LARKSFOOT KNOT



Use a **larksfoot knot** to join a sewn or rope sling to the belay loop of your harness. Attach the other end of the sling with a screw-gate krab to the lower-off and you are ready to proceed with threading the belay.

A6.2 - TIE A FIGURE OF EIGHT KNOT



The figure of eight knot is used, after threading the rope through the lower-off ring, to connect the rope to the belay loop on the harness using a screw-gate krab.

A6.3 - STEPS IN THREADING THE BELAY

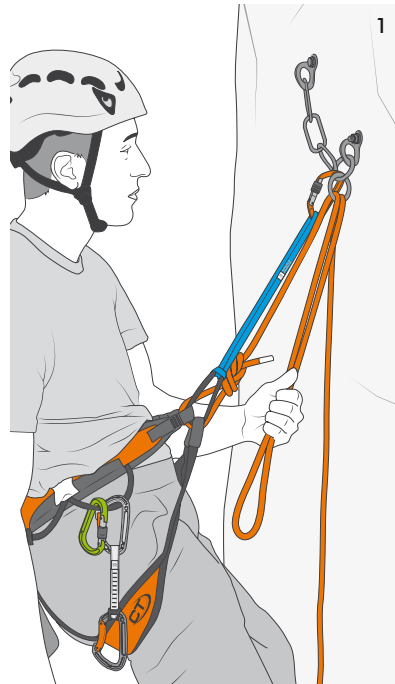
In the diagram on this page we see the following situation.

A has arrived at the belay and finds a ring to lower off without a karabiner to lower-off from.

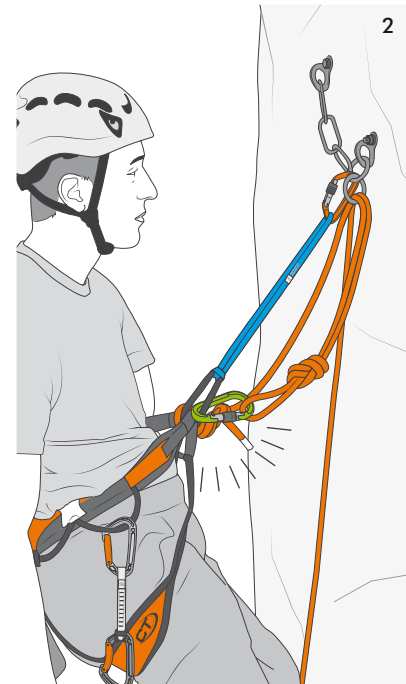
A tells **B** he has arrived at the lower-off and has to thread the belay; he reminds **B** she should keep belaying him.

A connects a sling to his belay loop with a larksfoot knot and connects the sling with a screwgate krab to one of the strongest points of the lower-off.

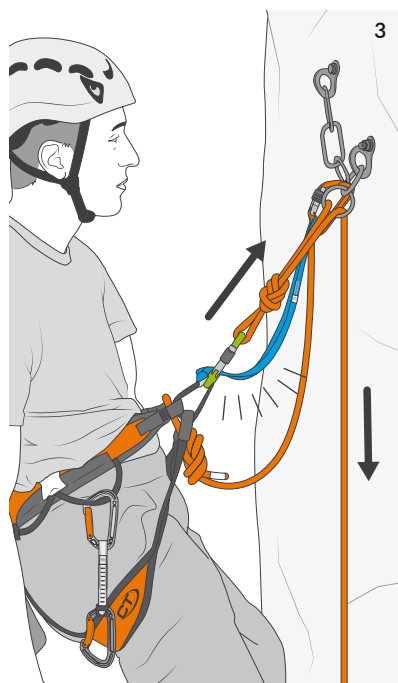
A can now hang on this sling and he asks **B** to give him several metres' slack. He makes a loop in the rope.



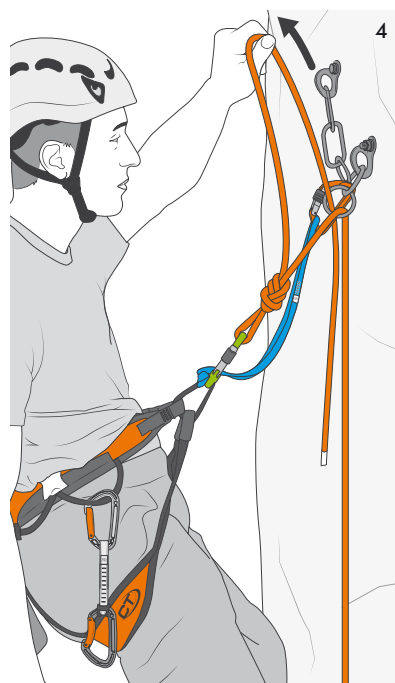
A threads the loop through the lower-off ring and pulls towards himself the doubled-over rope, until he has about 40 cm more rope than the length of sling he is hanging from.



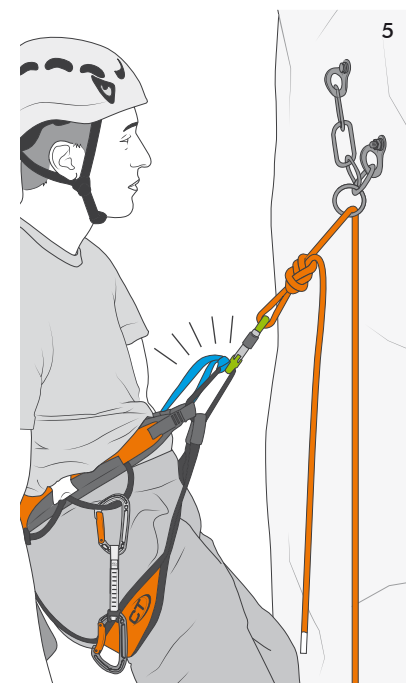
A makes a figure of eight knot at the end of the loop and connects the loop to his harness with a screwgate krab. He does up the gate.



A asks **B** to take in tight the climbing rope, so that he can check that he has correctly threaded the rope through the lower-off ring. The rope, tied directly into his harness with the new figure of eight knot and the larksfoot sling, must be slack, otherwise it's not a proper test!



A suntuies the end of the rope tied to his harness and unthreads it from the lower-off ring. **B** is holding him on the rope.



A checks that: the rope that pass through the lower-off ring and tied with the figure of eight knot correctly, the screw-gate krab is loaded lengthways and that its gate is correctly closed. At this point **A**, with **B** belaying him, can unclip the sling with the larksfoot knot and let himself be lowered to the ground.

B - MULTI-PITCH ROUTES

Multi-pitch routes have more than one "pitch", that is, they consist of more than one rope-lengths between successive stances (belays). There are two types of multi-pitch routes:

- **trad/"alpine"**. These normally follow lines of weakness up the cliff (cracks, arêtes, corners, etc) and usually terminate at the summit of a mountain. Typically you find some pitons for protection but you need to use nuts and Friends in addition for protection.
- **"modern"/sport**. These climb areas of the cliff where the rock is more compact (slabs, overhangs, etc) and finish where the climbing becomes easier and less interesting and are equipped with fixed expansion or glue-in bolts.

To climb each single pitch of a multi-pitch route, one climber must lead the pitch while the other, the second, belays him or her. When he reaches the end of the pitch, the leader must construct a stance and belay himself to it and then bring up the second. Then one of the two climbers will lead the next pitch belayed by the other and so on until the end of the route. At the end of the ascent, depending on the exact nature of the face and the route, you descend on foot along a footpath or you abseil back down to the base of the route.

B1 - NECESSARY EQUIPMENT

- 1) Helmet.** Vital in a mountain setting to protect you from rocks falling from above and/or possible impact with the rock if you fall.
- 2) Mountaineering harness.** Fully adjustable and offering good lumbar support.
- 3) Belay device.** Allows the second to belay the leader with two half-ropes, the leader to belay the second as she climbs up and the abseil descent.
- 4) Screw-gate krabs.** For building stances, belaying, and abseiling.
- 5) Quickdraws.** For connecting the rope to the anchor points in the rock, for holding a fall.
- 6) Twin/half-ropes.** Normally two ropes are used, for increased safety in case of falling stones (if one rope is damaged, you still have the other one) and permit alternate clipping of protection points; you can also belay two seconds as they climb; you can make long abseils.

- 7) Daisy chain and slings.** The daisy chain is used to belay yourself and to build a stance. The slings are used to belay yourself, to extend pieces of protection or to create anchors from rock spikes or threads.
- 8) Hammer and pitons/pegs.** Hammered into cracks and holes in the rock, pegs can be running belays (runners) or be part of the belay/stance.
- 9) Friends and nuts.** Placed by hand into cracks or holes in the rocks, they can be running belays (runners) or be part of the belay/stance. After use they are removed.
- 6) Pulley / rope clamp.** For winching/recovering the second or loads and for climbing up the rope.
- 8) Rucksack.** Compact and light, for transporting equipment to the base of the face and for taking on the route with shoes, food, water, clothing, etc.



1) MIZAR
> page 76



2) ASCENT
> page 68



3) ALPINE UP
> page 56



4) CONCEPT /
PASSION SG
> page 44 / 36



5) PASSION PRO /
FLY-WEIGHT SET
> page 36 / 38



6) SCARLET
> page 136



7) MULTI CHAIN
> page 94



8) THUNDER
> page 91



9) FRIENDS
> page 92



10) ROLLNLOCK
> page 60



11) LIMESTONE
> page 126

B2 - CLIMBING SEQUENCE

LEADING THROUGH.

These are the successive steps in climbing a multi-pitch route:

1 - Leader climbs.

After the Buddy Check, **B** belays **A** and gradually pays out the rope to him as he climbs, placing quick-draws (or protection, if there are no fixed anchors) and clipping the rope into them.

2 - Building a stance.

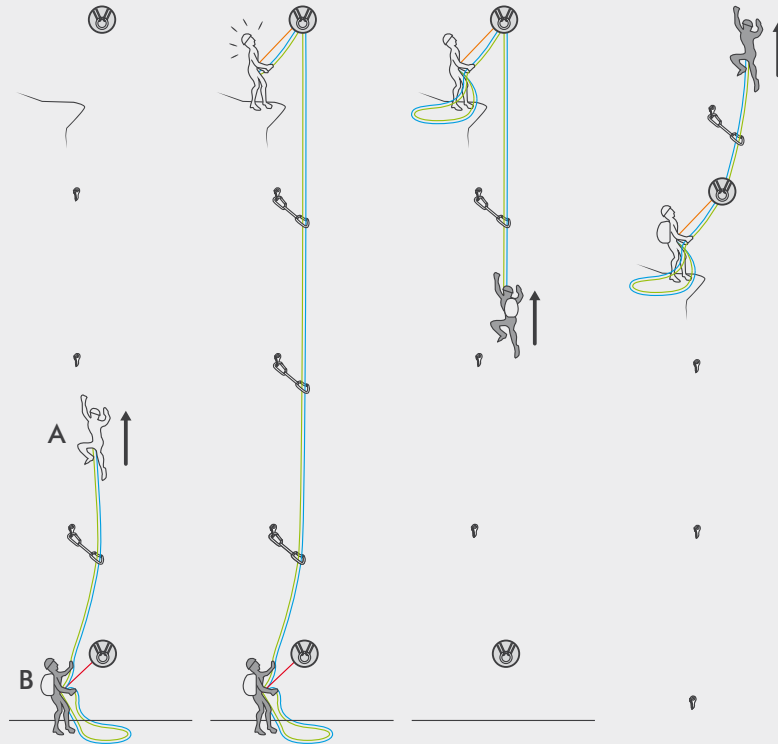
A has reached the end of the pitch, constructs the stance, belays himself to it, takes in the ropes and puts the rope through the belay device.

3 - Bringing up the second.

A belays as **B** climbs up to the stance. Once at the stance, **B** belays himself to it.

4 - The next pitch.

B takes over as leader and leads the next pitch while **A** belays him.



ABSEIL DESCENT.

These are the phases of an abseil descent from a multi-pitch route.

1 - Leader abseils.

A and **B** have belayed themselves to the stance and arranged the ropes through the abseil point. **A** abseils down the doubled ropes, while **B** remains at the stance and belayed to it.

2 - Second abseils.

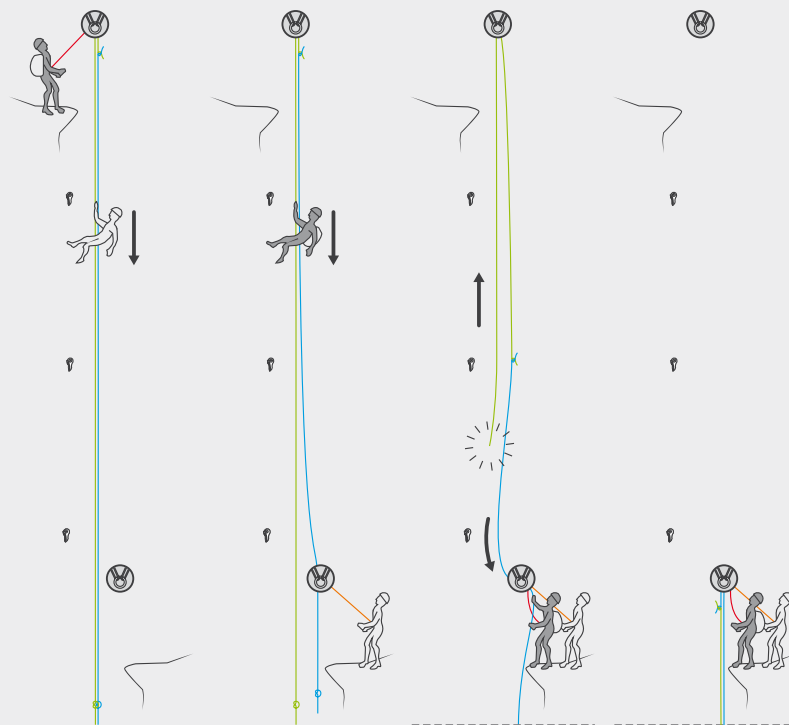
A has belayed himself to the stance and has threaded the rope to be pulled down through the abseil point. **B** abseils down the doubled ropes.

3 - Pulling the ropes down.

B, pulling on the rope previously threaded through the abseil point, pulls the ropes down.

4 - Preparation for next abseil.

A prepares himself for the next abseil while **B** remains belayed to the stance.



B3 - BELAYING ON MULTI-PITCH SPORT ROUTES

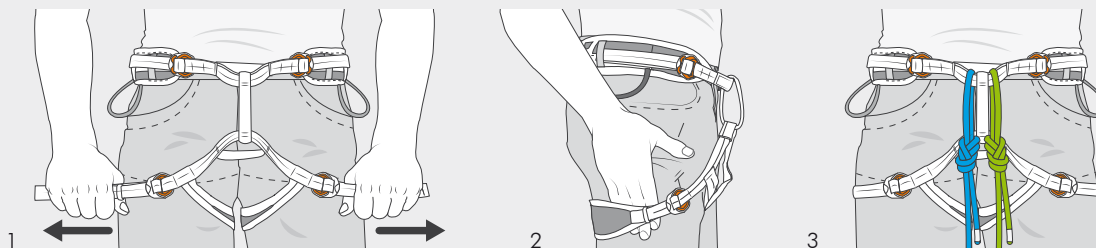
“Modern” multi-pitch sport climbing routes tackle a face’s most compact areas (slabs, overhangs, etc) and often present hard moves and higher grades. Such routes can be found at low-level or in high-mountain settings (“Big Walls”). Such routes are have fixed bolts for protection and stances equipped for abseiling off. The leader on such routes is traditionally belayed using a belay plate or commonly in Continental Europe using an “Italian” or “Munster Hitch”; in order for such belaying to work, the dead ends of the ropes must always be firmly held downwards. The belayer must pay constant attention to the leader and always be ready to hold the ropes firmly downwards in case of a fall. e in contatto visivo

We have introduced a new belay device for modern multi-pitch sports routes, the **belay/abseil device Alpine Up**, which when used in the **Click Up mode**, removes this need for always having to hold the ropes firmly. In the case of sudden falls and/or the belayer not paying

full attention, the Alpine Up will still arrest the fall immediately provided the belayer is holding the free ends of the rope. The fall is arrested semi-statically and this requires that the anchors are able to withstand heavy loads, and for this reason the Click Up mode is advised only on sport routes with fixed bolt protection. The **Alpine Up**, when used to belay the leader in the Click Up mode, lets you pay out rope easily and fluidly and to hold the leader during resting on the rope without getting tired.

The Alpine Up can be used with two twin-/half-ropes (Ø 7.7÷9 mm) or with a single rope (Ø 8.9÷10.5 mm), thus covering the entire range of possibilities present and permitting the climbing team to chose the best solution.

B3.1 - ADJUSTING THE ASCENT HARNESS



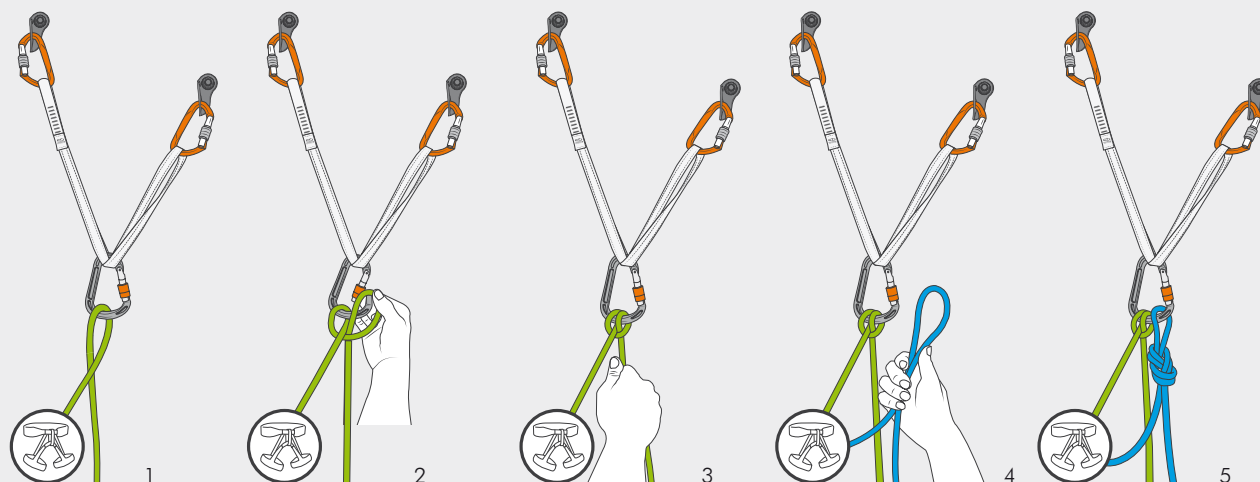
Harnesses for multi-pitch routes have four fastening buckles, so that they are completely adjustable and can be adapted to the climber wearing more or less clothing, according to the time of year and the route. They also provide good lumbar support which is important for long stints belaying.

Before climbing you should:

- put on correctly the waistband and leg loops;

- pull the straps through the buckles to adjust the sizes of the waistband and leg loops (Fig. 1);
- check that the harness fits snugly without being over-tight. You should be able to slide a hand between the leg loop and your thigh (Fig. 2) and the harness should sit at the correct height;
- tie both ropes to the harness with a figure of eight knot (Fig. 3).

B3.2 - BELAYING AT THE STANCE.



The climbing ropes are normally used to attached yourself to the belay. With one rope make a clove hitch in the karabiner at the central point of the belay (Fig. 1 ÷ 3). This knot allows easy adjustment of the distance between you and the stance.

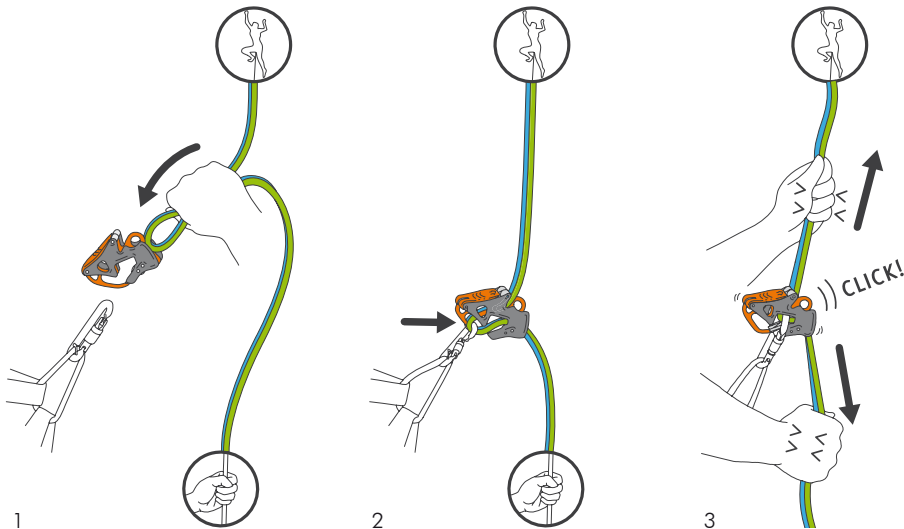
For increased safety it is advisable to tie a figure of eight into the other rope (Fig. 4 ÷ 5, see pag. 12 for how to tie the knot) and clip this into the belay, to create a second belay point.

B3.3 - ALPINE UP - CLICK UP MODE BELAYING THE LEADER

The diagram at the side show the Alpine Up being used in the Click Up mode on a sport multi-pitch climb:

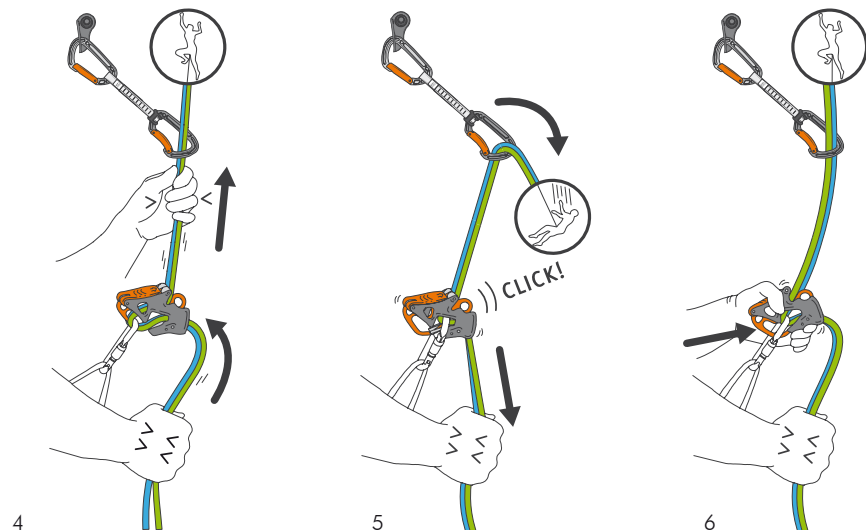
A climbs the route, placing quickdraws onto the bolts and clipping the rope into the quickdraws. **B** belays to the central point of the belay and belays **A**, paying out the rope carefully as she climbs.

Important! Before starting climbing on a new pitch, the leader's rope should be clipped into a quickdraw or krab clipped onto the belay, so that in case of a fall the Alpine Up is pulled upwards: if you don't do this, the Alpine Up may not arrest a leader fall.



Installation. Clip the krab into your harness's gear loop. Insert the loop of rope into the Alpine Up, referring to the symbols on the device (Fig. 1). Insert the krab through the "Click Up Mode" hole so that the ropes are inside it (Fig. 2).

Functional check. Hold the free ends of the rope with one hand and with the other pull the climber's ropes upwards, make sure the device locks the ropes and makes a "click" (Fig. 3).



Paying out rope. With one hand feed the dead end of the rope into the Alpine Up, and with the other pull the rope through the device (Fig. 4).

Holding a fall. With one hand hold tight the dead end of the rope, moving your hand downwards. The Alpine Up will block the rope, making the distinctive "Click" (Fig. 5).

Paying out rope after a fall. To start to pay out rope again after a fall or when the leader first starts climbing, hold the dead end of the rope with one hand and with the other hold the Alpine Up as shown and push it forwards to be able to pay out rope. (Fig. 6). **Important!** At all times keep a firm grip on the free end of the rope.



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B4 - BELAYING ON TRAD/"ALPINE" ROUTES

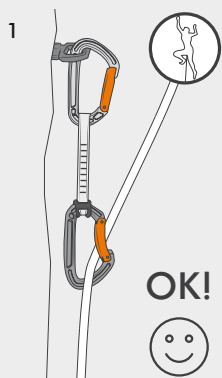
"Trad" routes are one of the oldest and most rewarding ways of climbing a mountain. The setting is beautiful, often isolated and wild. The routes normally follow the natural lines of the face (cracks, arêtes, corners, etc) and generally terminate at the summit of a mountain or pinnacle. In the mountains objective dangers multiply and you need a better all-round preparation as well as good route-finding skills to find the start of the route or the descent. You may find some pegs placed by the first ascensionists, and you will have to place nuts and Friends. On such routes the leader is traditionally belayed with a belay plate. On the Continent of Europe, the Italian/Munster hitch is often used. It can be difficult to pay out rope rapidly with belay plates and similar devices since the device moves towards the krab, increasing the friction on the rope you are trying to pay out.

The **Alpine Up**, in the **Dynamic mode**, overcomes this drawback: its design ensures that it doesn't move nearer to the krab, allowing you to

pay out rope easily, quickly and without the rope jamming. You must remember that, in order for the device to effectively brake the ropes, the free or dead ends must always be held downwards. The belayer must pay constant attention and be ready, in the case of a fall, to hold the ropes and arrest the fall.

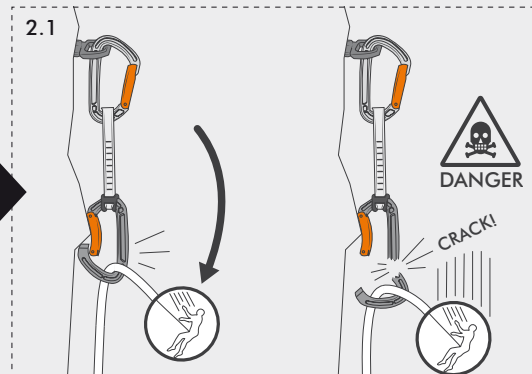
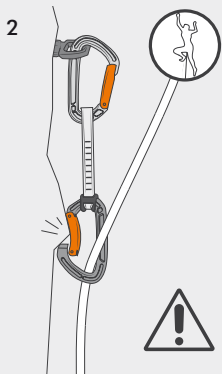
The **Alpine Up** can be used with two twin-/half-ropes (Ø 7.7÷9 mm) or with a single rope (Ø 8.9÷10.5 mm), thus covering the entire range of possibilities present and permitting the climbing team to choose the best solution.

B4.1 - POSITIONING QUICKDRAWS ON ROCK PEGS



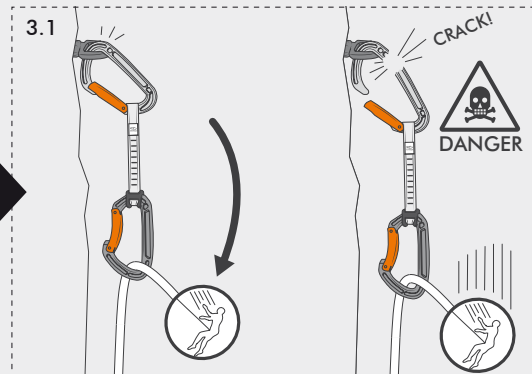
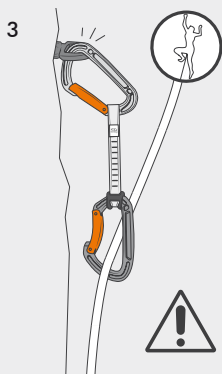
As described in section A.5.2 (pag. 11), the rope must be clipped correctly into the quickdraws, but it is equally important to position the quickdraws correctly onto the anchors fixed into the rock. You have to take special care with rock pegs so that the karabiners of the quickdraw are loaded correctly: if the eye of the peg is horizontal, the quickdraw should be placed so that its gates are both facing outwards.

Important! The example cases illustrated are not exhaustive.



In the following situations:

- 1) Quickdraw placed correctly with the gates of the krabs facing outwards.
- 2) Quickdraw placed dangerously. The gate of the lower krab is facing the rock and could be held open in case of a fall. The axial load a karabiner can hold is substantially reduced if the gate is open and the karabiner could fail (Fig. 2.1).
- 3) Quickdraw placed dangerously. The gate of the upper krab is facing the rock: in certain cases, the krab can jam in the eye of the peg and be subject to increased loading. This reduces the axial load the karabiner can bear and in the event of a fall it can break (Fig. 3.1).



The conclusions are:

- using quickdraws whose two krabs have their gates facing the same way makes placing the quickdraw simpler and reduces the variables which could lead to the dangerous situations illustrated. All Climbing Technology quickdraws are supplied with their krabs oriented in this way.
- the quickdraws should be placed with their gates facing away from the rock, to avoid the dangerous situations shown.

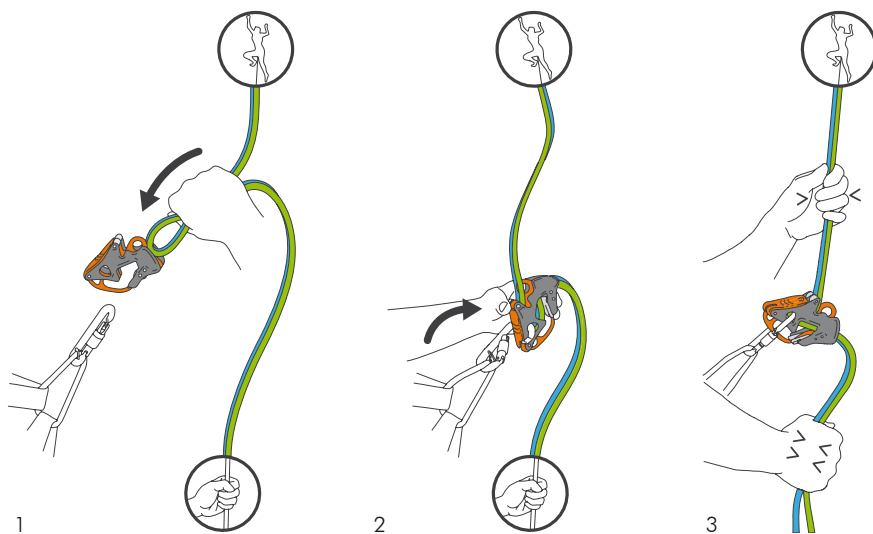
B4.2 - ALPINE UP - DYNAMIC MODE BELAYING THE LEADER

In the diagram on the right, use of the Alpine Up in Dynamic Mode is illustrated on an "alpine"/trad route:

A climbs, progressively hammering pegs into the rock with her hammer and placing quickdraws onto them. She clips the ropes in alternately to the quickdraws.

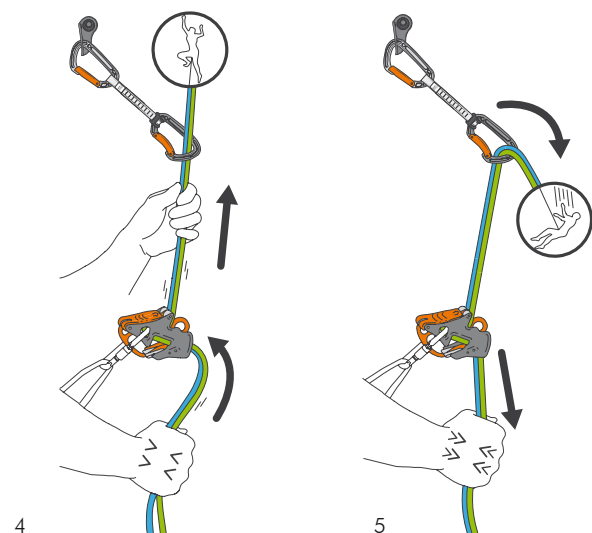
B, belayed to the stance, pays out the rope carefully to **A**.

Important! Before starting climbing on a new pitch, the leader's rope should be clipped into a quickdraw or krab clipped onto the belay, so that in case of a fall the Alpine Up is pulled upwards: if you don't do this, the Alpine Up may not arrest a leader fall.



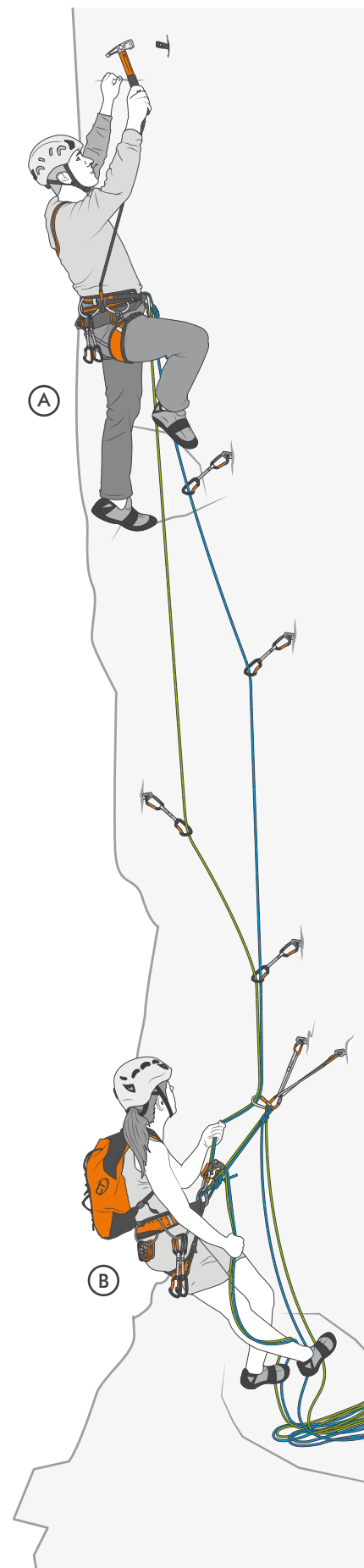
Installation. Clip the krab into your harness's gear loop. Insert the loop of rope into the Alpine Up, referring to the symbols on the device (Fig. 1).

Insert the krab through the "Dynamic Mode" hole so that the ropes are inside it (Fig. 2). The system is now ready for use (Fig. 3).



Paying out rope. With one hand feed the dead end of the rope into the Alpine Up, and with the other hand pull the rope through the device (Fig. 4).

Holding a fall. With one hand hold tight the dead end of the rope, moving your hand downwards (Fig. 5). **Important!** At all times keep a firm grip on the free end of the rope.



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B5 - BRINGING UP SECONDS

After the leader reaches the stance he brings up the second(s). It is possible to climb as a two (one second, both half ropes are tied into his harness) or as a three (two seconds, each tied onto one of the half ropes).

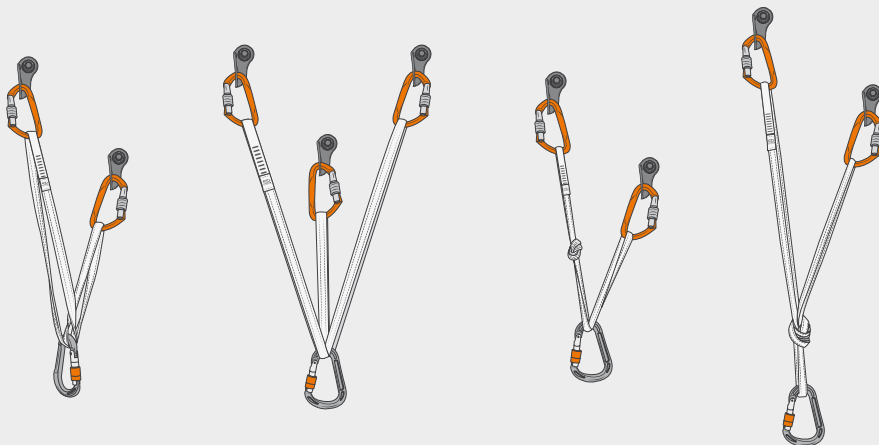
The correct sequence for bringing up seconds is:

- **A** arrives at the stance, sets up the belay, belays himself to it and tells **B** and **C** that he no longer needs belaying. (UK: "I'm safe!")
- **A** takes in the ropes and inserts them correctly into the belay device. In the "guide mode" to be able to belay two seconds, this is attached directly into the stance and not to the climber's waist;
- **A** shouts to **B** and **C** that he is belaying them and that they can start climbing after releasing themselves from the belay.
- **A**, belaying **B** and **C** from above, takes in the ropes as they climb.

A belay plate is traditionally used for bringing up one or two seconds on a multi-pitch route. The traditional belay plate has the following drawbacks when belaying two seconds:

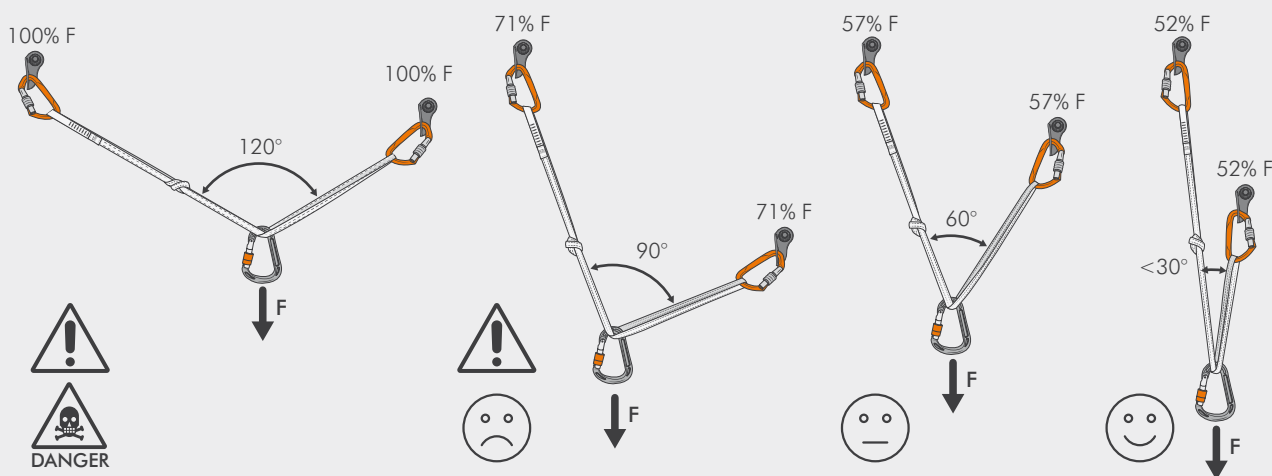
- if one second is hanging on the rope, you can't take in rope for the other second.
- it is hard to lower a second after they have hung on the rope when the belay plate is used in the "guide" mode - the belay plate is locked. Our new belay device **Alpine Up** overcomes these problems in the **Guide mode**. Its design means:
 - you can keep taking in rope to one second when the other is hanging on his rope.
 - you can lower a second hanging on the rope. This requires only the use of one additional krab on the device, no slings are needed.

B5.1 - TYPES OF BELAYS



The belay attaches the climbing team to the rock when the leader or second is climbing, when they are both at the stance or when they abseil down and is made of at least two anchor points which should be connected together. On the left are shown some common types of stances.

B5.2 - ANGLE AT THE CENTRAL POINT OF THE BELAY



During the preparation of the belay station, it is necessary to keep into account the angle originated at the central point. The closer is the angle, the better results the distribution of the forces, in case of stress on the belay station. Namely, the wider is the angle at the central point,

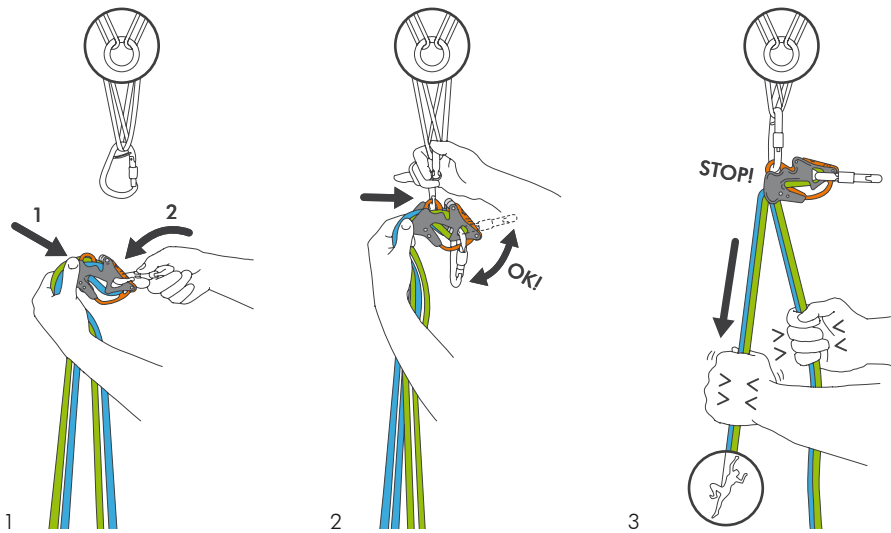
the higher is the load on each single anchor point. Use longer slings to avoid open angles at the central point of the belay which increase the forces on the single anchor points. The drawings show the distribution of the forces with belay stations having different angles.

B5.3 - ALPINE UP - GUIDE MODE BELAYING THE SECONDS

The diagram to the right shows the use of the Alpine Up in Guide mode to belay two seconds:

B and **C** are each tied to the end of one of the half ropes and as they climb they remove the quickdraws placed by **A**.

A is belayed to the central point of the stance and takes in the rope to **B** and **C**, maintaining a slight tension in the rope to avoid giving loops of slack. With the Alpine Up he can belay two seconds at the same time and each second is independent of the other.



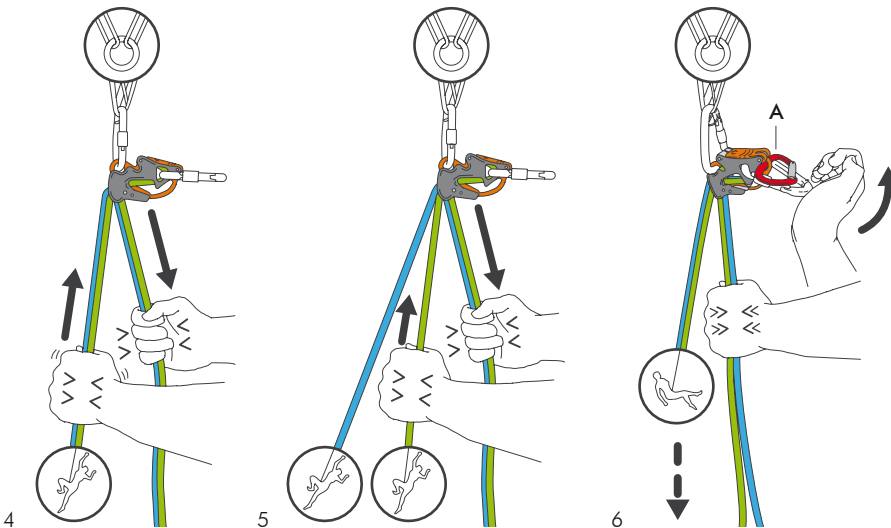
Installation.

Make a loop of the two ropes and insert it into the Alpine Up, following the symbols on the device. Insert a pear-shaped HMS karabiner through the hole marked, at right angles to the lever, with the rope inside (Fig. 1). Clip a Concept SGL screw-gate karabiner into the central point of the stance and

into the hole marked of the Alpine Up, so that the ropes are below it, correctly inserted into the Alpine Up (Fig. 2).

Functional check.

Pull the climber's ropes downwards, to confirm the system locks correctly (Fig. 3).

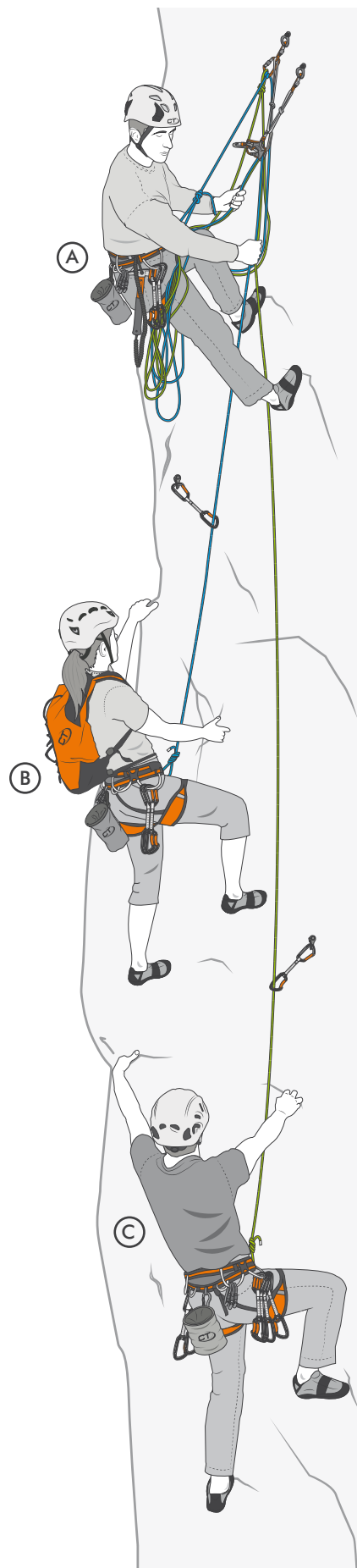


Belaying 1 or 2 seconds.

Use both hands to take in progressively the rope through the Alpine Up (Fig. 4-5). **Important!** During use keep a firm hold of dead ends of the ropes.

Releasing the rope when in tension. Insert above the HMS karabiner a karabiner (A) from a quickdraw in the hole shown with its the long side

perpendicular to the Alpine Up. Hold the free ends of the ropes tightly in one hand and with the palm of the other hand push the HMS karabiner upwards. The lever created with the second karabiner helps you to unlock the ropes and/or lower the second (Fig. 6).



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B6 - ABSEIL DESCENT

After reaching the top of the route, the team abseil (normally back down the same route they have just climbed) down the ropes using a belay/abseil device. Abseiling needs care, good knowledge of the technique to be used and good organisation. You abseil using your two climbing ropes joined with a knot and threaded through the abseil anchor point.

The following sequence is used for abseiling:

- both/all three climbers reach the stance of the last pitch, and the stance is equipped with a ring for abseiling;
- each climber, using a daisy chain or a sewn sling, belays themselves to the stance;
- the climbers untie from the climbing ropes, being careful not to drop them(!);
- one rope is threaded through the abseil point's ring/maillon and the other rope is joined to it with an overhand knot. A knot is tied at the end of each rope and they are thrown down from the stance.
- one of the climbers clips his descender into his harness/daisy chain, and backs the descender up with a Prusik knot. Only after taking in

the rope through the descender to make sure that it has been installed correctly and can support his weight, he unclips his sling/daisy chain from the belay and starts abseiling down, remembering which of the two ropes has to be pulled at the next stance below to pull down the ropes.

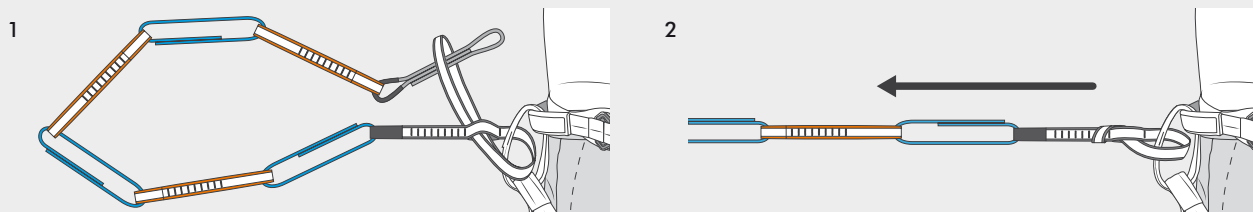
There are various devices for abseiling and all require the use of a back-up Prusik knot. This knot lets you take your hands off the rope to untangle the ropes and stops the descent if you let go of the rope (stonefall, illness, etc) but tying this knot takes time and it can be fiddly to get right and use easily.

The **Alpine Up** belay/abseil device resolves this problem. When used for abseiling in the **Click Up mode**, a back-up Prusik knot is not needed. The device's design mean that the ropes remain locked until the descent lever is moved to permit the descent.

Alpine Up, in Click Up mode, presents the following advantages:

- lets you use both hands to untangle the ropes;
- automatically arrests the descent if you inadvertently let go of the ropes (stone fall, illness, etc.).

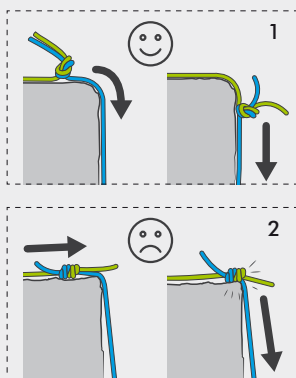
B6.1 - CONNECTING THE DAISY CHAIN



Multi-chain is a new daisy chain made of sewn tape slings, and each of them can be individually loaded. It can be used to equalize the an-

chors, for attaching oneself at stances and for abseiling. The diagram shows the correct attachment to your harness.

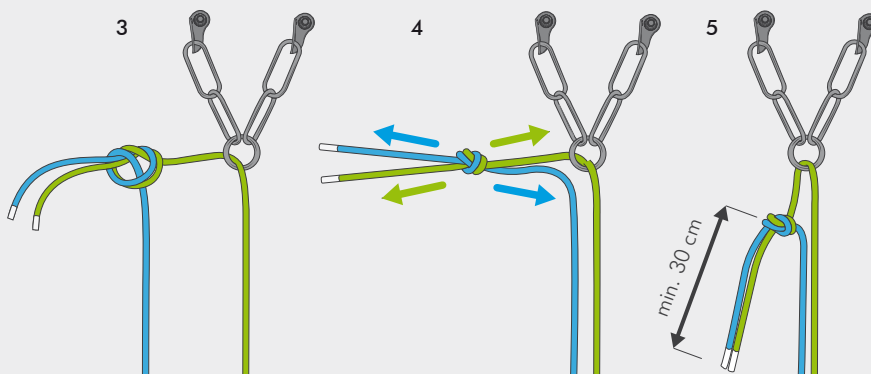
B6.2 - OVERHAND KNOT



For joining the ropes for abseiling the overhand knot has these important advantages:

- easy to tie;
- rides over rock projections (Fig. 1), less likely to jam in cracks or on sharp edges.

The different behaviour of the overhand knot towards the double fisherman's knot can be noticed on the drawing (Fig. 2).



To tie the knot correctly:

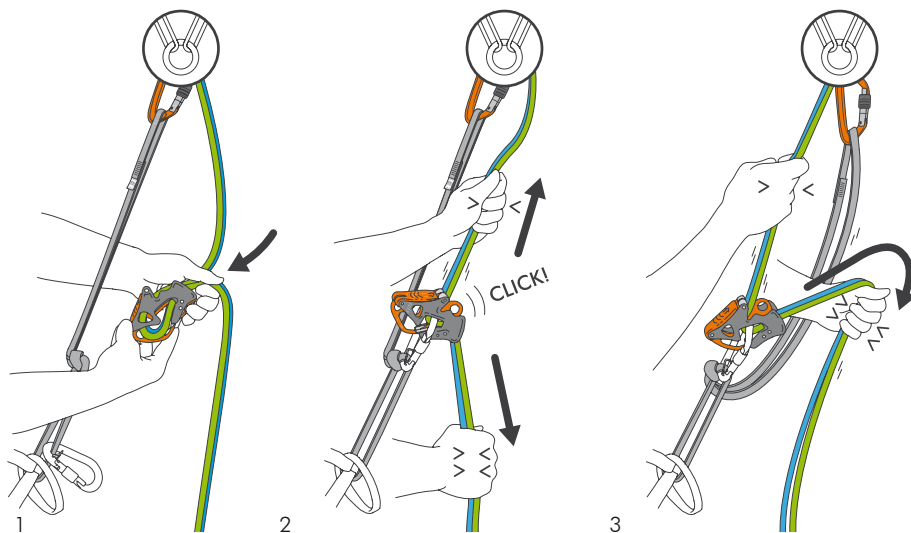
- 1) thread the end of one rope through the abseil ring, lay the other end next to the first and tie the knot as shown (Fig. 3);
- 2) pull on the same-colour ends on each side of the knot to tighten it (Fig. 4);
- 3) if the abseil ring lies flat against the rock, make sure that the end of rope you pull, i.e. the one with the knot, is next to the rock (Fig. 5).

B6.3 - ALPINE UP - CLICK UP MODE AUTOBLOCKING ABSEIL

The diagram on the right shows the Alpine Up in Click Up mode being used for an auto-blocking abseil descent:

A is abseiling with the Alpine Up connected to the Multi Chain. He controls the rate of descent

using the descent lever and the free ropes. As needed, thanks to the Alpine Up's autoblocking function, he can use both hands to untangle the ropes or remove knots.

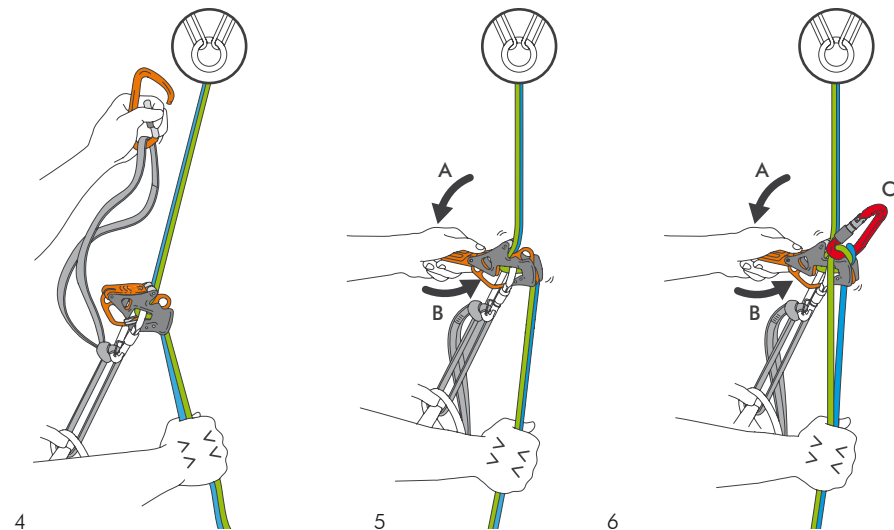


Installation.

Attach the Alpine Up to the daisy chain at least 20 cm above your harness and lock it as indicated (Fig. 1-2).

Taking in slack.

Take in slack so the rope is holding your weight (Fig. 3).



Unclipping from the belay.

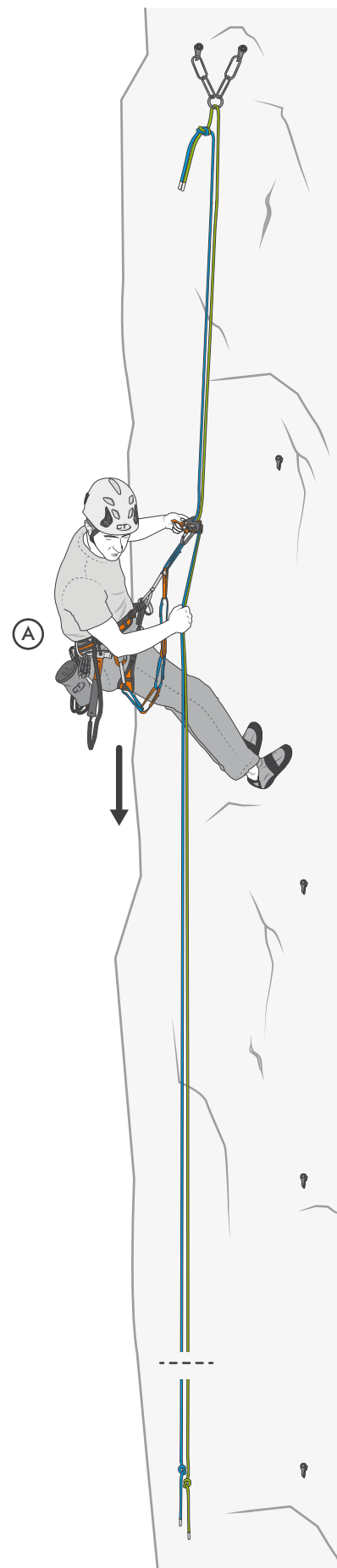
Keeping one hand on the free ends of the rope, with the other hand unclip the daisy chain/sling from the stanchion (Fig. 4) and clip it onto your harness's gear loops.

Abseil descent.

Always keeping one hand on the free ends of the ropes, with the other open the descent lever (A) and press on it and rotate the Alpine Up upwards (B) as shown. Feed the free ends of the rope into the device to descend (Fig. 5).

Low friction abseil descent.

In certain circumstances it can be hard to abseil down: if the ropes are hanging freely in space, if the climber is very light, etc. In these cases it is necessary to reduce friction in the Alpine Up by inserting an additional karabiner (C) in the hole shown, passing the ropes inside the karabiner, screwing up the gate and then descending as described above and shown (Fig. 6).



PRACTICAL EXPLANATIONS

A - SINGLE-PITCH SPORT CLIMBING

B - MULTI-PITCH ROUTES

C - CLIMBING A VIA FERRATA

TECHNICAL FEATURES

PATENTS, SYMBOLS & STANDARDS

C - CLIMBING A VIA FERRATA

A via ferrata is a route up a rock face equipped with solid cables, steps and metal ladders which make the ascent easier and provide the possibility to belay yourself as you climb. Without such artificial aids, to tackle such a route you would need to be familiar with and use roped climbing techniques. Vie ferrate let you climb trekking/mountaineering routes both at low altitude and on big mountain walls.

Even though vie ferrate are solidly equipped and let a large number of people enjoy the vertical world, they remain challenging itineraries which should not be underestimated. **You must always remember safety because there is always the risk of falling with serious consequences: you should always use a via ferrata set joined to your harness.**

The via ferrata set includes an energy absorbing device which, when used correctly, allows a user's fall to be arrested and the arresting force reduced.

To tackle safely a Via Ferrata you need to:

- possess and know how to use the necessary equipment (harness, via ferrata set, helmet, etc.);
- know how to climb up the steps and ladders;
- be aware of the difficulty of the overall route (technical difficulty, length, time needed, descent routes, etc.);
- be aware of your own capabilities and limits.

A person can climb by themselves along a Via Ferrata, using the via ferrata set as the sole means of connecting themselves to the cables present along the route. Having said this, it is always best to be part of a group on a via ferrata because, if the need arises, they can belay you from above with a rope or provide help.

With children or inexperienced people on a Via Ferrata, it is recommended to proceed roped together, so as to be able to belay them as they climb upwards or lower them on descents. To be able to do this you need to know the associated rope techniques.

C1 - NECESSARY EQUIPMENT

- 1) Helmet.** To protect your head from rocks falling from above and/or avoid banging your head against the rock if you fall.
- 2) Harness.** Connects the climber to the Via Ferrata set and holds him if he falls.
- 3) Via Ferrata set.** Connects the climber's harness to the cables present along the route, to arrest and absorb the force of a possible fall.
- 4) Gloves.** Protect hands against scratches/burns from the rock or cables.
- 5) Rucksack.** For transporting food, water, etc. during the ascent.

In order to tackle roped together a Via Ferrata the following products are also necessary:

- 6) Rope.** Joins the climbers if a top-rope belay is needed or on non-equipped stretches of the route.
- 7) Quickdraws.**
- 8) Screw-gate krabs.**
- 9) Belay device.**
- 10) Slings.**



1) VENUS
> page 78



2) EXPLORER
> page 69



3) TOP SHELL SPRING
> page 84



4) GLOVES
> page 85



5) LIMESTONE
> page 126



6) SCARLET
> page 136



7) LIME SET
> page 40



8) SNAPPY /
PILLAR EVO SG
> page 45 / 47



9) GROOVE
> page 58



10) LOOPER DY
> page 94

C2 - PUTTING ON THE VIA FERRATA SET

Harnesses for Via Ferrata normally have buckles for adjusting the waistband and leg loops and a single attachment point.

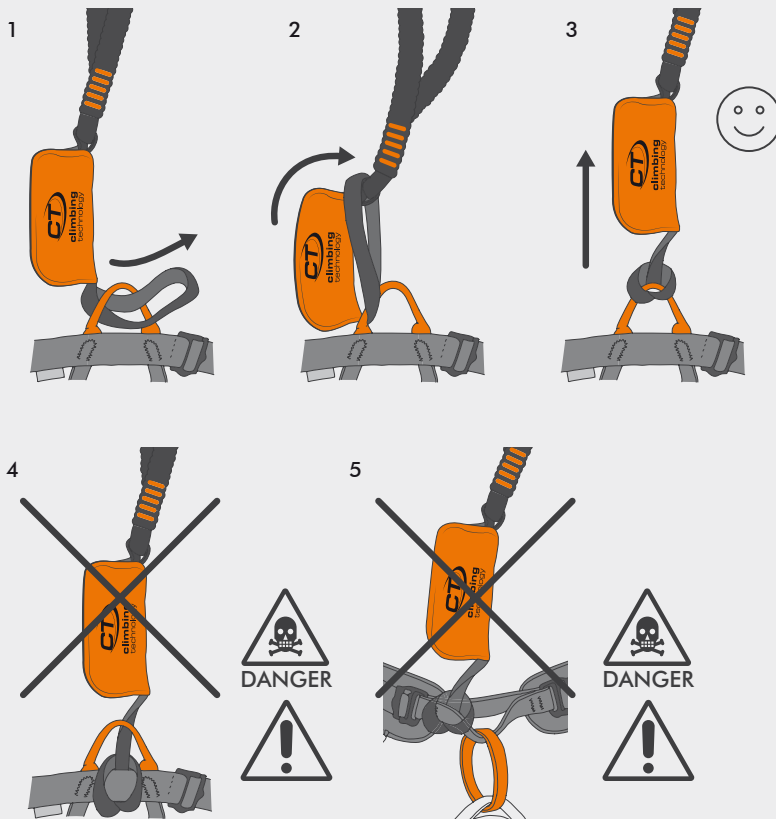
Before climbing you should:

- put on the harness correctly and adjust the buckles so that the harness fits you correctly.
- insert the attachment loop of the via ferrata set through the harness's attachment point,

as shown (Fig. 1);

- pass the two arms of the via ferrata set through the attachment loop (Fig. 2) to form a larksfoot knot (Fig. 3).

Important! Do not connect the via ferrata set to other points of the harness, only to those indicated (Fig.4-5).



C3 - SAFELY MOVING ALONG THE VIA FERRATA

After having checked that the via ferrata set has been correctly attached to your harness, you can start climbing, following these steps:

- connect both arms of the via ferrata set to the first section of safety cable using the two karabiners (Fig. 1);
- climb along the route, remaining connected to the cable;
- when you reach the first point where the cable is connected to the rock, move one karabiner onto the new section of cable before you move the second, so that you are always clipped into the cable (Fig. 2);
- repeat this sequence until you reach the end of

the route (Fig. 3).

Warnings:

- don't climb with only one karabiner connected to the safety cable, always two;
- never unclip both karabiners at the same time, **danger of death!**
- on each section of cable, only one person should climb at a time (B);
- avoid falling.

Important! To avoid risking a fall due to tiredness, it is best to rest by attaching yourself to an attachment point with a quickdraw or sling.



PRACTICAL EXPLANATIONS

A - SINGLE-PITCH SPORT CLIMBING

B - MULTI-PITCH ROUTES

C - CLIMBING A VIA FERRATA

TECHNICAL FEATURES

PATENTS, SYMBOLS & STANDARDS

C4 - IF YOU FALL



You must always remember safety because there is always the risk of falling with serious consequences: you should always use a via ferrata set joined to your harness.

If you fall:

- you first slide down the safety cable (A).
- when the karabiners reach the first point when the cable is attached to the rock and cannot slide any further (B), the via ferrata set's energy absorber is loaded, and extends, absorbing energy as it does so (C).

In illustration 1, as an example, the activation of a tearing webbing energy absorber is shown. Failure to use a certified via ferrata set and instead using a system without an energy absorber (rope, rope sling, sewn sling, etc.) can have serious consequences and can be fatal.

In illustration 2, as an example, we see a fall by a person connected to the cable by a length of single rope. Absence of an energy absorbing mechanism leads to the breakage of the length of rope used.

C5 - MOVING AS A ROPED PAIR ON A VIA FERRATA

Moving as a roped pair on a via ferrata, in addition to the obligatory use of a via ferrata set, is recommended in the following cases:

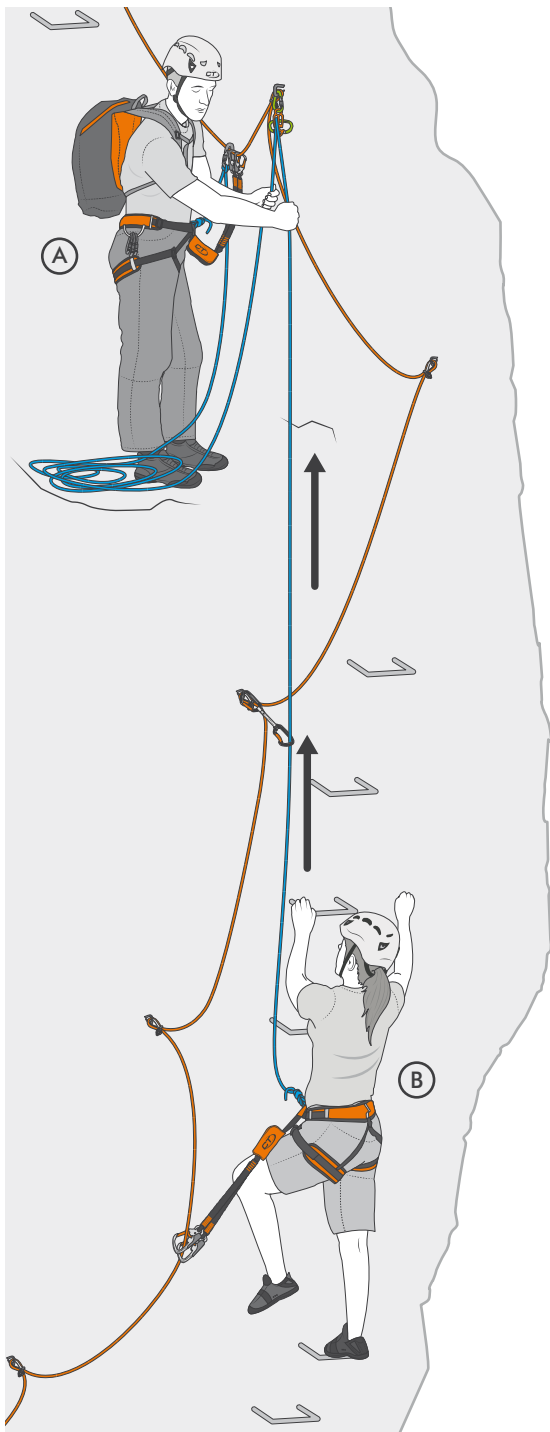
- children or inexperienced persons are present;
- exposed or difficult sections with a high risk of a fall;
- sections where you could fall onto obstacles present before the energy absorber activates.

To move as a roped pair you need to use a rope and know how to belay one or more seconds. The group needs to have a member who can be the lead climber and belayer or hire a professional guide who can do this. In the illustrations we see an example of belaying a second up a difficult section:

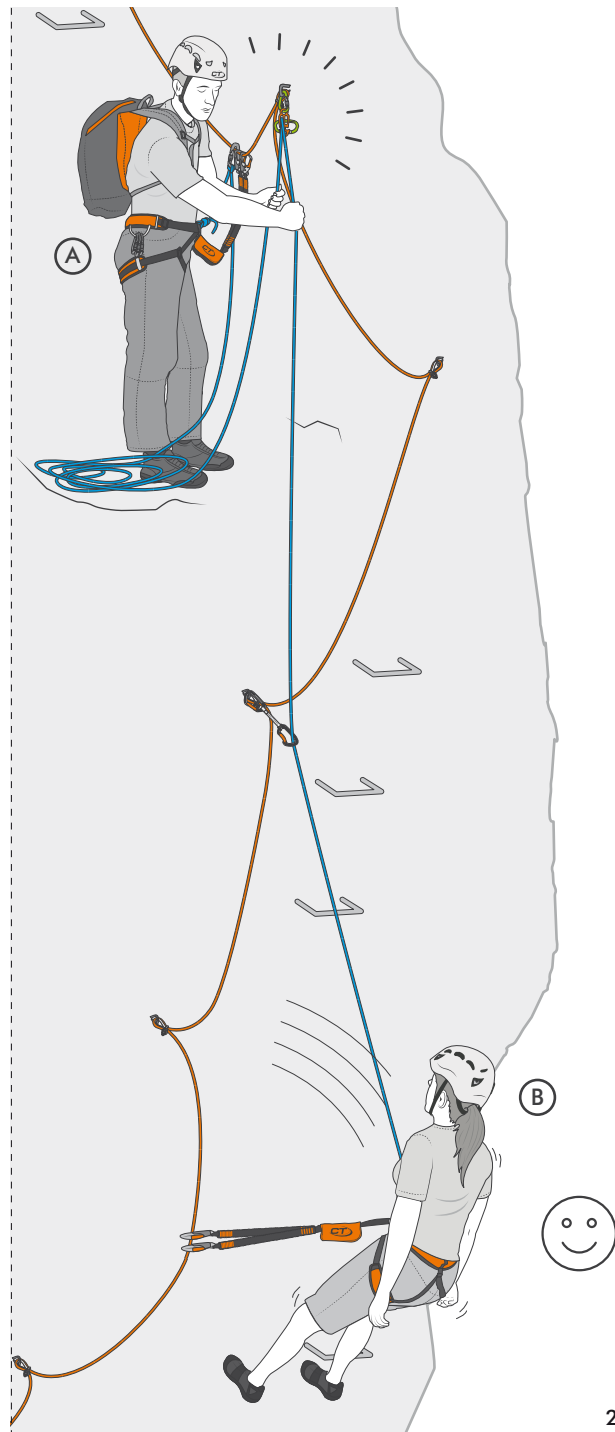
- **A** is connected to the safety cable with the via ferrata set and has

belayed himself with the climbing rope to the intermediate cable anchor point;

- **A** has attached the belay device to the intermediate cable anchor point and with the climbing rope belays **B** and takes in rope as she climbs;
- **B** is connected to the safety cable with the via ferrata set and is belayed top-rope by **A** using the climbing rope;
- **B** has fallen and has been held by the climbing rope. The top-rope belaying means she has avoided falling a greater distance, with the associated risks, to the next cable anchor point below her.

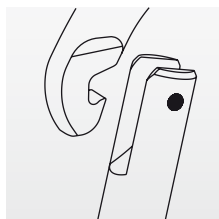


1



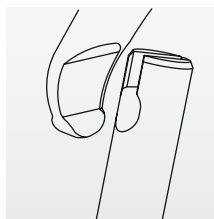
2

LOCKING SYSTEM TYPOLOGY



TRADITIONAL

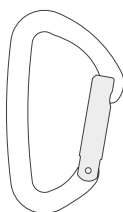
This locking system is recommended in dirty environments, where it's necessary to clean the carabiner easily.



CATCH FREE

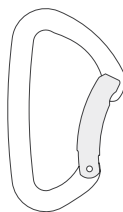
This locking system makes the hooking and releasing movements of the carabiners more fluent, avoiding the catching in ropes, webbings and anchoring points.

GATE TYPOLOGY



STRAIGHT GATE (S)

Classic lever designed for progression.



BENT GATE (B)

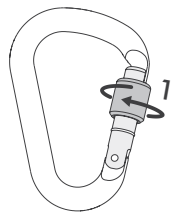
Classic lever designed for progression. Eases the placement of the rope.



WIRE BENT (W)

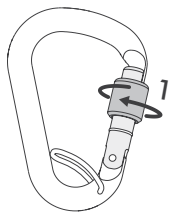
On equal performances highly reduces the weight of the connector. Diminishes the "open gate" effect in case of fall.

GATE BLOCKING SYSTEM TYPOLOGY



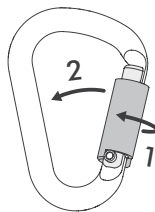
SCREW GATE (SG)

Two movements are necessary to open the gate (1-unscrew and 2-open). **WARNING!** It's necessary to screw in order to guarantee lock the gate.



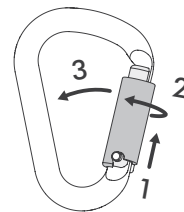
SCREW GATE WITH ACL SYSTEM (SGL)

The stainless steel wire gate holds the carabiner in place on the belay loop to avoid the danger of cross loading of the connector. It allows an easy positioning and removal.



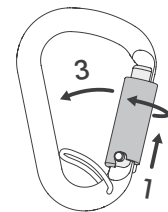
TWIST LOCK GATE (WG)

Two movements are necessary to open the gate (1-twist and 2-open). **WARNING!** It automatically comes back in the locking position of the gate.



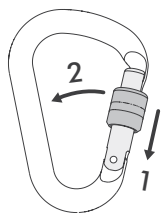
GHIERA TRIPLEX TWIST LOCK (TG)

Three movements are necessary to open the gate (1-push, 2-twist and 3-open). **WARNING!** It automatically comes back in the locking position of the gate.



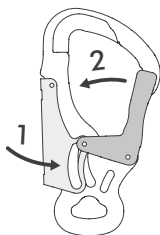
GHIERA TRIPLEX CON SISTEMA ACL (TGL)

The stainless steel wire gate holds the carabiner in place on the belay loop to avoid the danger of cross loading of the connector. It allows an easy positioning and removal.



AUTOMATIC GATE

Two movements are necessary to open the gate (1-push and 2-open). **WARNING!** It automatically comes back in the locking position of the gate.



DOUBLE GATE

Two movements are necessary to open the gate (1-push and 2-open). **WARNING!** It automatically comes back in the locking position of the gate.

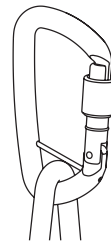
Note that: the abbreviation that follows the name of the carabiner, indicates the type of gate

SPECIAL FEATURES



ROPE FASTNER

Rubber fastener for slings. It allows the fixing of the bottom quickdraw carabiner to the sling, preventing its rotation during the use.



CAPTIVE BAR

The captive bar could be supplied assembled or loose, to be assembled by the customer.



PATENTED



The Click Up is an innovative belay device developed especially for sport climbing. Easy to use, intuitive and safe, it operates without the need to act on levers and moving parts and it allows to arrest a fall simply by holding the free end of the rope in your hand.

CLICK↑UP

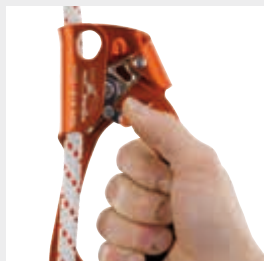
PATENTED



The Alpine Up is the most complete and versatile belay / rappel device ever produced. It has been developed especially for mountaineering and it can be used with half, twin and single ropes. Extremely advantageous, it allows the self-locking abseiling and it can be used in three different belay modes.

ALPINE↑UP

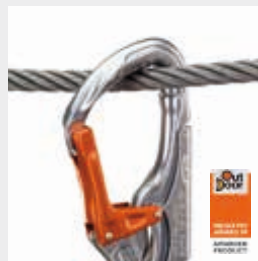
PATENTED



RAPID RELEASING SYSTEM FOR ASCENDERS

Thanks to the double pivot, it is possible to quickly release the cam, pushing on the gate. Doing so, it is possible to move downwards the handle even under load.

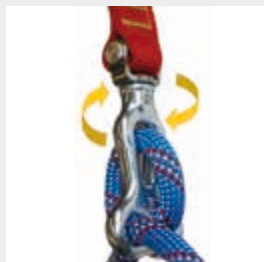
PATENTED



WEAR PROOF PROTECTION

Stainless steel wear-proof protection: the stainless steel protective layer improves durability where the connectors slide over the metal cables and metal rungs.

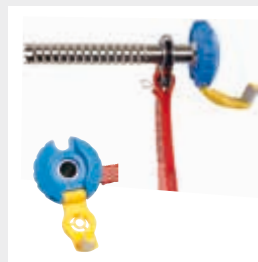
PATENTED



ANTI-KINKING SYSTEM

A small swivel mounted on the apex of the mechanical shock absorber, ensures tangle-free climbing.

PATENTED










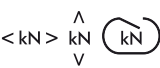






FAST SCREWING SYSTEM

The foldaway ergonomic knob allows you to wind-in and out the screw easily. The shape of the head allows a screw-in of the ice anchor keeping a constant pressure with the hand.

PATENTED

LEGEND

	EC marking to identify the items conform to the european directive PPE 89/686/CEE
0333	Number of the production process controlling body
	Hot forged item
	CE certification laboratory
	UIAA marking identifying the items that meet UIAA worldwide requirements
	Weight of the item in grams
	Ø Opening -> maximum gate opening diameter (mm)
	CATCH-FREE locking system
	ACL system (avoid cross loading) with wire gate
	Special hard coat wear-proof anodising
	Guaranteed breaking strength according to major axis closed gate, minor axis closed gate and major axis opened gate
	Breaking strength guaranteed on pulleys, divided according to the number of the sheaves
	Item assembled with self-lubricating bushing
	Item assembled with four or two ball bearing
	Waist belt size (a) and leg loops size (b) (cm)

EN STANDARD REFERENCES

MOUNTAINEERING EQUIPMENTS:

EN 564	Accessory cords.
EN 565	Tapes.
EN 566	Slings (tape, cord or rope).
EN 567	Rope clamps.
EN 568	Ice anchors.
EN 569	Pitons.
EN 892	Dynamic mountaineering ropes.
EN 893	Crampons.
EN 958	Energy absorbing systems for use in via ferrata.
EN 959	Rock anchors (plates, glue-in anchors, etc.).
EN 12270	Chocks.
EN 12275	Connectors - Multi-anchor plates: Type B - Base connectors; Type H - HMS connectors; Type K - Via ferrata connectors; Type D - Directional connectors; Type A - Connectors for specific anchorage; Type Q - Screw gate connectors (quick-links); Type X - Oval connectors.
EN 12276	Frictional anchors (friends, etc.).
EN 12277	Harnesses.
EN 12278	Pulleys.
EN 12492	Helmets for mountaineers.
EN 13089	Ice tools - ice axes: Type 1 : For use in snow and/or ice; Type 2 : For use on rock, snow and/or ice.
EN 15151-2	Manual braking devices Tip 2 : Belay device without friction adjustment Tip 4 : Belay device with friction adjustment

WORK EQUIPMENTS:

EN 795	Protection against falls from a height anchor devices.
EN 362:2004	Connectors: Class B - Basic connectors; Class A - Anchorage connectors; Class T - Terminal connectors; Class M - Multipurpose connectors; Class Q - Screw gate connectors.
EN 1891	Low stretch Kernmantel ropes.
EN 12841 B	Rope access system.



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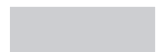
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CARABINERS AND QUICKDRAWS





PASSION PRO SET DY
2E680

PASSION-M PRO SET DY
2E681

PASSION-W PRO SET DY
2E676

PASSION PRO SET

Lightweight multipurpose quickdraws for sport climb and multi-pitch sport climb, equipped with hot-forged carabiners. Their unique double T beam construction makes these quickdraws suitable for high work loads; wide size allows for an excellent grip and easy rope insertion. All models are equipped with a lightweight and durable 11 mm Dyneema sling. A rubber fastener on the lower carabiner prevents accidental rotation during use and protects the sling from wear and tear. Available lengths: 12 - 17 - 22 cm

- **PASSION PRO SET DY** - Robust and easy to handle, ideal for working a route. Upper carabiner with **new best-grip gate** and catch-free nose; lower carabiner with **new hot-forged ergonomic gate** and catch-free nose that facilitate rope insertion/removal. Strength: 22 kN. Weight: 89 g (12cm).
- **PASSION-M PRO SET DY** - Mixed and versatile combination, ideal for on-sight climb. Carabiner with upper **new best-grip gate** and catch-free nose; carabiner with wire lower gate facilitates rope insertion and prevents oscillation in case of impact against the rock. Strength: 22 kN. Weight: 85 g (12cm).
- **PASSION-W PRO SET DY** - The most lightweight in the series. Ideal for multi-pitch sport climb. Two-carabiner combination equipped with wire gate facilitates rope insertion and prevents oscillation in case of impact against the rock. Strength: 22 kN. Weight: 80 g (12cm).

CE 0333 - Made in Italy



PASSION PRO SG
2C313

PASSION PRO S
2C31102

PASSION PRO B
2C31202

PASSION PRO W
2C314

PASSION PRO

Hot-forged light alloy carabiners, designed for sports climb and multi-pitch sport climb:

- wide aperture and high breaking strength;
- double T beam construction, for an excellent weight / resistance ratio;
- full size carabiner, shaped to ensure a secure handling;
- catch-free nose to avoid snagging when clipping and unclipping;
- available models: **new best-gripe** straight, **new hot-forged ergonomic bent**, and wire gate;
- also available with screw gate.

Passion S / B: strength 26-10-10 kN
Passion W / SG: strength 26-9-10 kN

EN 12275:1998 - B

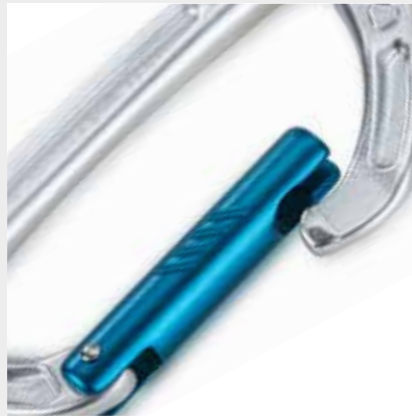
CE 0333- Made in Italy

NEW





Hot forging double T beam body manufacture, with shaped and lightened body enables better handling and provides for an optimal weight / strength ratio.



New straight best-grip gate, with improved grip to hold it open easily while clipping bolt.



New hot-forged curved gate, whose ergonomic design allows fast and easy rope clipping and reduces the chance of the rope becoming accidentally unclipped.



AERIAL PRO SET DY
2E682

AERIAL PRO SET HC DY
2E682

AERIAL PRO SET

Lightweight and handy quickdraws for trad and sport climb. Equipped with hot-forged compact sized carabiners with catch-free nose. Thanks to hot forging, the light crafted design allows a better grip during maneuvers. All models are equipped with a durable and lightweight 11 mm sling in Dyneema, and a rubber fastener on the lower carabiner that prevents rotation during use and protects the sling from wear and tear. Available lengths: 12 - 17 - 22 cm.

- **AERIAL SET PRO DY** - Handy and strong, it's ideal for working a route. Upper carabiner with **new best-grip gate** and catch-free nose; lower carabiner with **new hot-forged ergonomic gate** and catch-free nose that facilitate rope insertion/removal. Strength: 22 kN. Weight: 81 g (12 cm).
- **AERIAL SET PRO DY HC** - Strong and durable, it's ideal for intense and prolonged use. Upper carabiner with **new best-grip gate** and catch-free nose; lower carabiner with special wear-proof hard coat anodizing and **new hot-forged ergonomic gate** with catch-free nose that facilitate rope insertion/removal. Strength: 22 kN. Weight: 81 g (12cm).

CE 0333
Made in Italy

AERIAL

Hot-forged light alloy carabiners, designed for trad and sport climb, multi-pitch sport climb and mountaineering:

- extremely compact and lightweight;
- lightweight shape ensures a better grip;
- double T beam construction, for an optimal weight / strength ratio;
- catch-free nose to avoid snagging when clipping and unclipping;
- aerial B-HC version comes with a special wear-proof hard coat anodizing, ideal for prolonged and intensive use;
- available models: **new straight best-grip** and **new hot-forged ergonomic bent gate**;
- available also with screw gate.



AERIAL PRO SG
2C333

AERIAL PRO S
2C33102

AERIAL PRO B
2C33202

AERIAL PRO B-HC
2C33202

Strength: 23-9-8 kN

EN 12275:1998 - B

CE 0333
Made in Italy

NEW



FLY-WEIGHT SET DY
2E669

FLY-WEIGHT SET

Ultra-light and compact quickdraws, only 57 g in the 12 cm version! Ideal for multi-pitch route and multi-pitch sport climb, where weight makes a difference. Equipped with extremely compact sized hot-forged carabiners with wire gate for easy rope insertion. The wire gate facilitates rope insertion and prevents the gate from oscillating in case of impact against the rock. Thanks to hot forging, the light and crafted design allows a better-grip during maneuvers. Equipped with a durable and lightweight 11 mm Dyneema sling and a rubber fastener on the lower carabiner that prevents accidental rotation during use and protects the sling from wear and tear. Available lengths: 12 - 17 - 22 cm.

Strength: 22 kN. Weight: 57 g (12 cm).

CE 0333
Made in Italy



FLY-WEIGHT PACK
2C43500 999 ST1



FLY-WEIGHT
2C435

FLY-WEIGHT

Hot-forged light alloy carabiners with wire gate, ideal for mountaineering, multi-pitch sport climb and big wall:

- ultra-light and compact (only 24 g!);
- light and crafted shape, for a better grip;
- double T beam construction, for an excellent weight/strength ratio;
- available in a 5-color variety package, suitable for putting together your own lightweight quickdraws, or to use with your friends.

Strength: 23-9-8 kN

EN 12275:1998 - B
CE 0333
Made in Italy

FLY-WEIGHT PACK

Packaging composed by five carabiners in five different colors (gold, orange, red, green and blue) suitable for assembling your own lightweight quickdraws of various length, or to use as carabiners for friends.



Cerro Wahuwain, Chile © Mirko Masè



NIMBLE SET DY
2E665



NIMBLE SET NY
2E665

NIMBLE SET

Ergonomic and extremely robust quickdraws for sport climb with high work loads. Ideal for intensive use and working a route. Equipped with increased section, ample size, and catch-free nose carabiners. The ergonomic design allows for a perfect grip during maneuvers. All models are equipped with rubber fastener on lower carabiner, which prevents accidental rotation during use and protects the sling from wear and tear. Available lengths: 12 - 17 - 22 cm in Dyneema and 12 - 17 cm in polyamide.

- **NIMBLE SET DY** - Extremely robust and ergonomic, ideal for working a route. Two-carabiner combination with flat base allows for optimal housing of the sling and is equipped with catch-free nose for easy rope insertion/removal. Equipped with a lightweight and durable 11 mm Dyneema sling. Strength: 22 kN. Weight: 106 g (12 cm).
- **NIMBLE SET NY** - Same features as the previous one, but equipped with robust 16 mm polyamide sling. Strength: 25 kN. Weight: 112 g.

CE 0333
Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



NIMBLE SG
2C44202



NIMBLE S
2C440



NIMBLE B
2C441

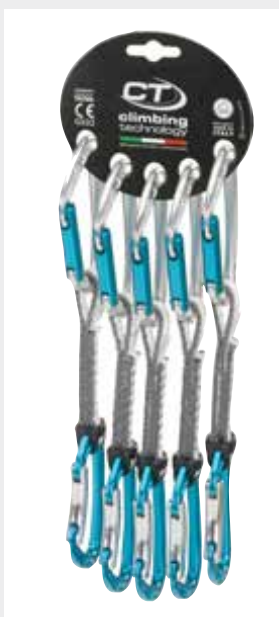
NIMBLE

Light alloy carabiners, ideal for sport climb and for intense use:

- increased section ensures resistance to high work loads;
- wide aperture and ergonomic shape for a perfect grip during use;
- flat base allows for optimal housing of quickdraw sling;
- catch-free nose avoids snagging when clipping and unclipping;
- available models: with straight, bent, and screw gate.

Strength: 26-9-10 kN

EN 12275:1998 - B
CE 0333
Made in Italy



QUICKDRAW 5 PACK

Set composed by five quickdraws with 12 cm sling for mountaineering and sport climb. For models available in this configuration see table on pag. 52.

AERIAL SET DY
2E682BC C08 ST1

NEW

LIME SET

Classical multipurpose quickdraws with excellent quality / price ratio. Ideal for various sport climb and mountaineering uses. Equipped with classic shape carabiners and catch-free nose. Equipped with a lightweight and durable 11 mm Dyneema sling, or with a robust 16 mm polyamide sling. All models are equipped with a rubber fastener on the lower carabiner, which prevents accidental rotation during use and protects the sling from wear and tear. Available lengths: 12, 17, and 22 cm.

- **LIME SET DY** - Robust and lightweight. Ideal for working a route, equipped with upper and lower carabiners with catch-free nose for easy rope insertion/removal. Strength: 22 kN. Weight: 90 g (12 cm).
- **LIME-M SET DY** - Mixed and versatile combination ideal for on-sight climb. Upper carabiner with catch-free nose; lower carabiners with wire gate facilitates rope insertion and prevents oscillation in case of impact against the rock. Strength: 22 kN. Weight: 85 g (12 cm).
- **LIME-W SET DY** - The most lightweight in the range. Ideal for multi-pitch sport climb. Equipped with carabiners with wire gate, facilitates rope insertion and prevents oscillation in case of impact against the rock. Strength: 22 kN. Weight: 79 g (12 cm).
- **LIME SET NY** - Same features as the previous one, but equipped with robust 16 mm polyamide sling.

CE 0333
Made in Italy



LIME SET DY
2E661

LIME-M SET DY
2E670

LIME-W SET DY
2E657

LIME SET NY
2E661

LIME

Compact hot-forged light alloy carabiners with classic shape designed for mountaineering and sport climb in general:

- classic shape, particularly robust and strong;
- extremely multipurpose and durable;
- catch-free nose avoids accidental snagging when clipping and unclipping;
- available models: with straight, bent, and wire gate;
- available with screw gate or automatic twist-lock gate.

Lime SG/WG/S/B: strength 23-8-8 kN
Lime W: strength 24-8-8 kN

EN 12275:1998 - B
CE 0333 - Made in Italy



LIME SG
2C458

LIME WG
2C450

LIME S
2C456

LIME B
2C457

LIME W
2C495

BASIC SET

Classic quickdraw. Ideal for sport climb and mountaineering beginners. Equipped with classic shape, traditional gate carabiners. Equipped with robust 16 mm polyamide sling, 2 cm in length.

Strength: 22 kN. Weight: 97 g

CE 0333
Made in Italy



BASIC SET NY
2E652





GYM SS SET
4E334

GYM SS-B SET
4E334

GYM S SET
3E334

GYM SET

Fixed quickdraw for indoor gyms and outdoor projects, composed of a quick link for anchoring, a robust 16 cm polyester sling, and a carabiner with catch-free nose.

- **GYM SS** - Equipped with stainless steel carabiner with light alloy gate and rubber fastener that prevents accidental rotation during use and protects the sling from wear and tear. Strength: 25 kN.
- **GYM SS-B** - Available upon request, equipped with stainless steel carabiner with light alloy gate and fixed bar fastener. Strength: 25 kN.
- **GYM S** - Equipped with hardened and zinc-plated steel carabiner, light alloy gate, and removable bar that allows for the replacement of a worn-out sling. Strength: 25 kN.

CE 0333
Made in Italy



GYM SS
4C334

GYM SS-B
4C334

GYM S
3C334

GYM

Robust and durable carabiners for indoor gym:

- every model has a catch-free nose that avoids accidental snagging when clipping and unclipping;
- available in hardened and zinc-plated steel, with or without fastener bar.

Strength: 25-9-8 kN

EN 12275:1998 - B
CE 0333
Made in Italy





7W102

EXTENDER DY

Lightweight and durable 11 mm Dyneema quickdraw sling, available in grey and gold. Available lengths: 12, 17 e 22 cm. Strength: 22 kN.

CE 0333 - Made in Europe..



7W100

EXTENDER NY

Robust and durable 16 mm polyamide quickdraw sling. Available lengths: 12, 17 e 22 cm available in green and gold. Strength: 25 kN.

CE 0333 - Made in Europe.



7W100



6V82012



6V82018



RUBBER FASTENER S/L

Rubber fastener for quickdraw slings. Secures the lower carabiner of the quickdraw to the sling, preventing accidental rotation during use. In addition, it protects the sling from wear and tear. The S model is suited for 10 ÷ 13 mm slings. The L model is suited for 15 ÷ 18 mm slings. Available in black and orange, in 10-piece packages. Made in Italy.



6V80520



RUBBER FASTENER 8

8-shaped sling/rope rubber fastener, for Ø 9 ÷ 11 mm ropes or 18 ÷ 22 mm slings. Secures the carabiner to the sling or to the rope loop, preventing accidental rotation during use. Available in black and orange, in 10 piece packages. Made in Italy.



3C610

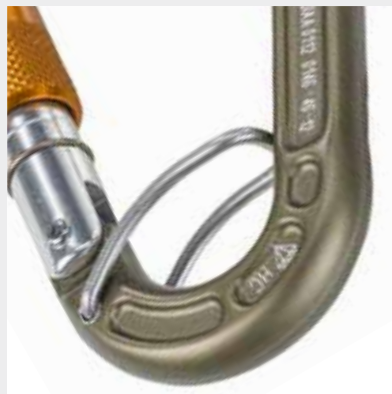


RUBBER HOLDER

Steel rope fastener, for maximum Ø 12 mm ropes. Secures the rope loop to the lower base of the carabiner, preventing accidental rotation during use. Made in Italy.



Hot forging double T beam body manufacture, with shaped and lightened body enables better handling and provides for an optimal weight / strength ratio.



ACL system (anti cross loading): The stainless steel wire gate holds the carabiner in place on the belay loop to avoid the danger of cross loading of the connector. It allows an easy positioning and removal.



Special wear-proof hard coat anodizing: the hard oxide layer covering the body, protects the carabiner from the abrasive action of the rope and/or any other hardwearing kind of use which usually damages normal carabiners.

CONCEPT



CONCEPT SG
2C338



CONCEPT SGL
2C3380L



CONCEPT SGL HC
2C3380L



CONCEPT TG
2C339



CONCEPT TGL
2C3390L

CONCEPT

Hot-forged light alloy HMS carabiners, conceived for use in trad and sport climb and mountaineering in general:

- especially recommended for use with belay devices;
- ample inside space for use with the Munter hitch and for rope maneuvers on the belay station;
- emphasized double T beam construction, for an optimal weight / strength ratio;
- light and shaped, for a better grip;
- catch-free nose avoids snagging when clipping and unclipping;
- also available with ACL system to prevent cross loading;
- **CONCEPT SGL HC model with special wear-proof hard coat anodizing, ideal for intensive and prolonged use;**
- available with screw gate or triplex twist-lock gate.

Concept SG/SGL/SGL HC: strength 23-10-8 kN
Concept TG/TGL: strength 23-8-8 kN

EN 12275:1998 - H

CE 0333

Made in Italy



SNAPPY SG
2C459

SNAPPY WG
2C460

SNAPPY TG
2C461

SNAPPY

Light alloy HMS carabiners, designed for use in trad and sport climb and mountaineering in general:

- large aperture and wide radius to facilitate rope sliding;
- wide inner space allows for multipurpose use on the belay station and use of a Munter hitch;
- catch-free nose to avoid snagging clipping and unclipping;
- available with screw, twist-lock, or triplex twist-lock gate.

Snappy SG/WG: strength 23-10-9 kN

Snappy TG: strength 23-8-9 kN

EN 12275:1998 - H

CE 0333

Made in Italy.



SNAPPY STEEL SG
3C459

SNAPPY STEEL TG
3C461

SNAPPY STEEL

Zinc-plated steel carabiners, designed for lowering, working at height, industrial safety and rescue:

- great strength and durability, high work loads;
- ideal for lowering, working at height, hauling and rescue maneuvers;
- zinc-plated finish prevents rust formation in moist environments;
- catch-free nose avoids snagging when clipping and unclipping;
- available with screw or triplex twist-lock gate.

Strength: 40-15-15 kN

EN 12275:1998 - H

CE 0333

Made in Italy



D-SHAPE
2C448

D-SHAPE SG
2C476

D-SHAPE TG
2C477

D-SHAPE

D-shaped light alloy carabiners, conceived for use in mountaineering, hauling and rescue operations:

- directional shape increases strength and allows to orientate the load on the major axis;
- ideal for belay stations, working at height, hauling and rescue maneuvers;
- catch-free nose avoids snagging when clipping and unclipping;
- available models: with straight, screw, or triplex twist-lock gate.

D-shape SG: strength 30-10-10 kN

D-shape TG: strength 30-8-10 kN

EN 12275:1998 - B

CE 0333

Made in Italy



D-SHAPE STEEL SG
3C476

D-SHAPE STEEL

Zinc-plated steel carabiners, designed for lowering, working at height, industrial safety and rescue:

- great strength and durability, high work loads;
- ideal for lowering, working at height, hauling and rescue maneuvers;
- zinc-plated finish prevents rust formation in moist environments;
- catch-free nose avoids snagging when clipping and unclipping;
- available with screw gate.

Strength: 50-15-15 kN

EN 12275:1998 - B

CE 0333

Made in Italy





PILLAR EVO
2C308



PILLAR EVO SG
2C309



PILLAR EVO SGL
2C3090L



PILLAR EVO SGL HC
2C3090L



PILLAR EVO TG
2C310



PILLAR EVO TGL
2C3100L

PILLAR EVO

Hot-forged light alloy carabiners with oval shape, designed for mountaineering, aid climb, big wall, speleology, and rescue operations:

- oval shape for optimal positioning of pulleys and clamps;
- particularly suited for use on belay stations, hauling and rescue maneuvers;
- emphasized double T beam construction, for an optimal weight / strength ratio;
- light and shaped for a better grip;
- catch-free nose avoids snagging when clipping and unclipping;
- also available with ACL system to prevent cross loading;
- **PILLAR EVO HC SGL model with special wear-proof hard coat anodizing, ideal for prolonged and intensive use;**
- available models: with straight, screw, or triplex twist-lock gate.

Pillar EVO SG/SGL/SGL HC: strength 25-10-8 kN
Pillar EVO TG/TGL: strength 25-8-8 kN

EN 12275:1998 - B
CE 0333
Made in Italy



PILLAR SG
2C463



PILLAR WG
2C464



PILLAR WG HC
2C464



PILLAR TG
2C446

PILLAR

Light alloy oval-shaped carabiners, designed for mountaineering, aid climb, big wall, speleology, and rescue operations:

- oval shape for optimal positioning of pulleys and clamps;
- particularly suited for use on belay stations, hauling and rescue maneuvers;
- catch-free nose avoids snagging when clipping and unclipping;
- **PILLAR WG HC model with a special wear-proof hard coat anodizing, ideal for prolonged and intensive use;**
- available with screw, twist-lock, or triplex twist-lock gate.

Pillar SG: strength 24-10-7 kN
Pillar WG/WG HC/T: strength 24-8-7 kN

EN 12275:1998 - B
CE 0333
Made in Italy



PILLAR STEEL
3C447



PILLAR STEEL SG
3C463

PILLAR STEEL

Zinc-plated steel carabiners, designed for lowering, working at height, industrial safety and rescue:

- great strength and durability, high work loads;
- ideal for lowering, working at height, hauling and rescue maneuvers;
- zinc-plated finish prevents rust formation in moist environments;
- catch-free nose avoids snagging when clipping and unclipping;
- available with screw.

Strength: 30-15-10 kN

EN 12275:1998 - B
CE 0333
Made in Italy



LARGE SG
2C455



LARGE TG
2C465

LARGE

Multipurpose light alloy carabiner, large base and wide sizes, conceived for rescue situations and for alpinism in general:

- large base and wide clearance;
- strong section with great resistance that makes them ideal for rope maneuvers with heavy loads;
- catch-free nose to avoid snagging when clipping and unclipping;
- available models: screw or triplex gate.

Large SG: strength 30-10-11 kN

Large TG: strength 30-8-11 kN

EN 12275:1998 - B

CE 0333

Made in Italy



KAYAC
2C414

KAYAK

Light alloy carabiner with large size. Designed for the belaying of the paddle and the recovery of the kayak. Usable as a large tool holder.

Strength: 22-9-8 kN

EN 12275:1998 - B

CE 0333

Made in Italy





Q-LINK

Quick links available in a different shape made in zinc plated steel or light alloy:

- **Q-LINK 06** - Zinc plated steel oval shaped Ø 6 mm, to be used like an accessory.
- **Q-LINK 07** - Zinc plated steel oval shaped Ø 7 mm with a large clearance, ideal for lowering, as an anchor connector on permanently installed quickdraws, work at height, industrial safety and rescue.
- **Q-LINK 08** - Zinc plated steel oval shaped Ø 8 mm, to be used as a lowering anchorage, for fixed quickdraws, work at height, industrial safety and rescue.
- **Q-LINK TWIST** - Zinc plated steel oval shaped Ø 8 mm, twisted 90°. Ideal for lowering, as an anchor connector on permanently installed quickdraws, work at height, industrial safety and rescue. The coiled profile helps to keep the rope parallel to the wall whilst lowering.
- **Q-LINK D 07** - Zinc plated steel triangular shaped Ø 7 mm. Ideal as a closing loop of the two attachment points of the harness for speleology or work at height.
- **Q-LINK H-M** - Zinc plated steel half moon shaped Ø 10 mm. Ideal to secure the two attachment points of a speleology harness.
- **Q-LINK H-M ALU** - Light alloy quick link, half moon shaped Ø 10 mm. Ideal to secure the two attachment points of a speleology harness.

Q-Link 06: strength 20 kN - Non è un DPI

Q-Link 06/D 07: strength 20 kN

Q-Link 07/H-M Alu: strength 25-10 kN

Q-Link 08: strength 35-10 kN

Q-Link Twist: strength 32-10 kN

Q-Link H-M: strength 45-10 kN

EN 12275:1998 - Q




















CE 0082







Made in France



















	Product Name	Ref. No		< kN >	$\begin{matrix} \wedge \\ \text{kN} \\ \vee \end{matrix}$					Standards		Pg.
	PASSION PRO SG	2C31300 YIM	45 g	26 kN	9 kN	10 kN	19 mm	•	•	EN 12275:1998 - B	•	36
		2C31300 XSA										
	PASSION PRO S	2C31102 XSF	41 g	26 kN	10 kN	10 kN	21 mm	•	•	EN 12275:1998 - B	•	36
	PASSION PRO B	2C31202 YIA	41 g	26 kN	10 kN	10 kN	21 mm	•	•	EN 12275:1998 - B	•	36
	PASSION PRO W	2C31400 YI1	37 g	26 kN	9 kN	10 kN	23 mm	•	-	EN 12275:1998 - B	•	36
	AERIAL PRO SG	2C33300 WME	40 g	23 kN	9 kN	8 kN	18 mm	•	•	EN 12275:1998 - B	•	37
		2C33300 XSA										
	AERIAL PRO S	2C33102 XSR	36 g	23 kN	9 kN	8 kN	20 mm	•	•	EN 12275:1998 - B	•	37
	AERIAL PRO B	2C33202 WMA	36 g	23 kN	9 kN	8 kN	20 mm	•	•	EN 12275:1998 - B	•	37
	AERIAL PRO B-HC	2C33202 SYA	36 g	23 kN	9 kN	8 kN	20 mm	•	•	EN 12275:1998 - B	•	37
	FLY WEIGHT	2C43500 YU1	24 g	23 kN	7 kN	8 kN	20 mm	•	-	EN 12275:1998 - B	•	38
		2C43500 XS1										
	FLY WEIGHT PACK	2C43500 999 ST1	24 g	23 kN	7 kN	8 kN	20 mm	•		EN 12275:1998 - B	•	38
	NIMBLE SG	2C44202 WEC	57 g	26 kN	9 kN	10 kN	20 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	39
		2C44202 XSA										
	NIMBLE S	2C44000 XSY	49 g	26 kN	9 kN	10 kN	22 mm	-	•	EN 12275:1998 - B	•	39
	NIMBLE B	2C44100 WEA	49 g	26 kN	9 kN	10 kN	22 mm	-	•	EN 12275:1998 - B	•	39
	LIME SG	2C45800 SLB	46 g	23 kN	8 kN	8 kN	17 mm	•	•	EN 12275:1998 - B	•	40
		2C45800 XSA										
	LIME WG	2C45000 SLB	45 g	23 kN	8 kN	8 kN	17 mm	•	•	EN 12275:1998 - B	•	40
		2C45000 XSA										
	LIME S	2C45600 XO1	41 g	23 kN	8 kN	8 kN	20 mm	•	•	EN 12275:1998 - B	•	40
		2C45600 XSA										
	LIME B	2C45700 SLA	41 g	23 kN	8 kN	8 kN	21 mm	•	•	EN 12275:1998 - B	•	40
		2C45700 XSA										
	LIME W	2C49500 SL1	35 g	24 kN	8 kN	8 kN	23 mm	•	-	EN 12275:1998 - B	•	40
		2C49500 XS1										
	GYM SS	4C33400 V1F	134 g	25 kN	9 kN	8 kN	22 mm	-	•	EN 12275:1998 - B	•	42
	GYM SS-B	4C3340C V1F	136 g	25 kN	9 kN	8 kN	22 mm	-	•	EN 12275:1998 - B	•	42
	GYM S	3C3340B V5A	135 g	25 kN	9 kN	8 kN	22 mm	-	•	EN 12275:1998 - B	•	42
	CONCEPT SG	2C33800 YUH	74 g	23 kN	10 kN	8 kN	21 mm	•	•	EN 12275:1998 - H EN 362:2004 - B	•	44
		2C33800 XSA										
	CONCEPT SGL	2C3380L XS3	77 g	23 kN	10 kN	8 kN	21 mm	•	•	EN 12275:1998 - H EN 362:2004 - A/T	•	44
	CONCEPT SGL HC	2C3380L SYB	77 g	23 kN	10 kN	8 kN	21 mm	•	•	EN 12275:1998 - H EN 362:2004 - A/T	•	44
	CONCEPT TG	2C33900 YUE	81 g	23 kN	8 kN	8 kN	21 mm	•	•	EN 12275:1998 - H EN 362:2004 - B	•	44
	CONCEPT TGL	2C3390L YUE	84 g	23 kN	8 kN	8 kN	21 mm	•	•	EN 12275:1998 - H EN 362:2004 - A/T	•	44
	SNAPPY SG	2C45900 WAM	86 g	23 kN	10 kN	9 kN	22 mm	-	•	EN 12275:1998 - H EN 362:2004 - B	•	45
		2C45900 XSA										

	Product Name	Ref. No		< kN >							Standards		Pg.
	SNAPPY WG	2C46000 ZOC	89 g	23 kN	10 kN	9 kN	22 mm	-	•	EN 12275:1998 - H	•	45	
		2C46000 XSA											
	SNAPPY TG	2C46100 YQB	90 g	23 kN	8 kN	9 kN	22 mm	-	•	EN 12275:1998 - H EN 362:2004 - B	•	45	
		2C46100 XSA											
	LARGE SG	2C45500 WAM	92 g	30 kN	10 kN	11 kN	26 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	48	
		2C45500 XSA											
	LARGE TG	2C46500 YQB	98 g	30 kN	8 kN	11 kN	26 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	48	
		2C46500 XSA											
	KAYAK	2C41400 WU1	78 g	22 kN	9 kN	8 kN	32 mm	-	-	EN 12275:1998 - B	-	48	
	PILLAR EVO	2C30800 ZSE	58 g	25 kN	10 kN	8 kN	24 mm	•	•	EN 12275:1998 - B	•	47	
	PILLAR EVO SG	2C30900 YCB	62 g	25 kN	10 kN	8 kN	22 mm	•	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
	PILLAR EVO SGL	2C3090L ZSF	65 g	25 kN	10 kN	8 kN	22 mm	•	•	EN 12275:1998 - B EN 362:2004 - A/T	•	47	
	PILLAR EVO HC SGL	2C3090L SYB	65 g	25 kN	10 kN	8 kN	22 mm	•	•	EN 12275:1998 - B EN 362:2004 - A/T	•	47	
	PILLAR EVO TG	2C31000 YKC	70 g	25 kN	8 kN	8 kN	21 mm	•	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
	PILLAR EVO TGL	2C3100L XQB	73 g	25 kN	8 kN	8 kN	21 mm	•	•	EN 12275:1998 - B EN 362:2004 - A/T	•	47	
	PILLAR SG	2C46300 WAA	75 g	24 kN	10 kN	7 kN	21 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
		2C46300 XSA											
	PILLAR WG	2C46400 ZOC	80 g	24 kN	8 kN	7 kN	21 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
		2C46400 XSA											
	PILLAR WG HC	2C46400 SYB	80 g	24 kN	8 kN	7 kN	21 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
	PILLAR TG	2C44600 YQB	82 g	24 kN	8 kN	7 kN	21 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	47	
		2C44600 XSA											
	D-SHAPE	2C44800 XSA	68 g	30 kN	10 kN	10 kN	22 mm	-	•	EN 12275:1998 - B	•	45	
	D-SHAPE SG	2C47600 XSF	75 g	30 kN	10 kN	10 kN	19 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	45	
		2C47600 XSA											
	D-SHAPE TG	2C47700 YQB	80 g	30 kN	8 kN	10 kN	19 mm	-	•	EN 12275:1998 - B EN 362:2004 - B	•	45	
		2C47700 XSA											
	PILLAR STEEL	3C4470A	163 g	30 kN	15 kN	10 kN	23 mm	-	•	EN 12275:1998 - B	•	47	
	PILLAR STEEL SG	3C4630A	180 g	30 kN	15 kN	10 kN	21 mm	-	•	EN 12275:1998 - B EN 362:2004 - M	-	47	
	SNAPPY STEEL SG	3C4590A	237 g	40 kN	15 kN	15 kN	22 mm	-	•	EN 12275:1998 - H EN 362:2004 - M	•	45	
	SNAPPY STEEL TG	3C4610A	250 g	40 kN	15 kN	15 kN	22 mm	-	•	EN 12275:1998 - H EN 362:2004 - M	•	45	
	D-SHAPE STEEL SG	3C4760A	178 g	50 kN	15 kN	15 kN	19 mm	-	•	EN 12275:1998 - B EN 362:2004 - M	-	45	
	Q-LINK 06	3Q82006	34 g	20 kN	-	-	-	-	-	NOT TO BE USED AS A PPE	-	49	
	Q-LINK 07	3Q82107	60 g	25 kN	10 kN	-	-	-	-	EN 12275:1998 - Q EN 362:2004 - Q	•	49	
	Q-LINK 08	3Q82008	77 g	35 kN	10 kN	-	-	-	-	EN 12275:1998 - Q EN 362:2004 - Q	•	49	
	Q-LINK TWIST	3Q82608	87 g	32 kN	10 kN	-	-	-	-	EN 12275:1998 - Q EN 362:2004 - Q	•	49	
	Q-LINK D 07	3Q82207	34 g	20 kN	-	-	-	-	-	NOT TO BE USED AS A PPE	-	49	
	Q-LINK H-M	3Q82310	152 g	45 kN	10 kN	-	-	-	-	EN 12275:1998 - Q EN 362:2004 - Q	•	49	
	Q-LINK H-M ALU	2Q82310	54 g	25 kN	10 kN	-	-	-	-	EN 12275:1998 - Q EN 362:2004 - Q	•	49	

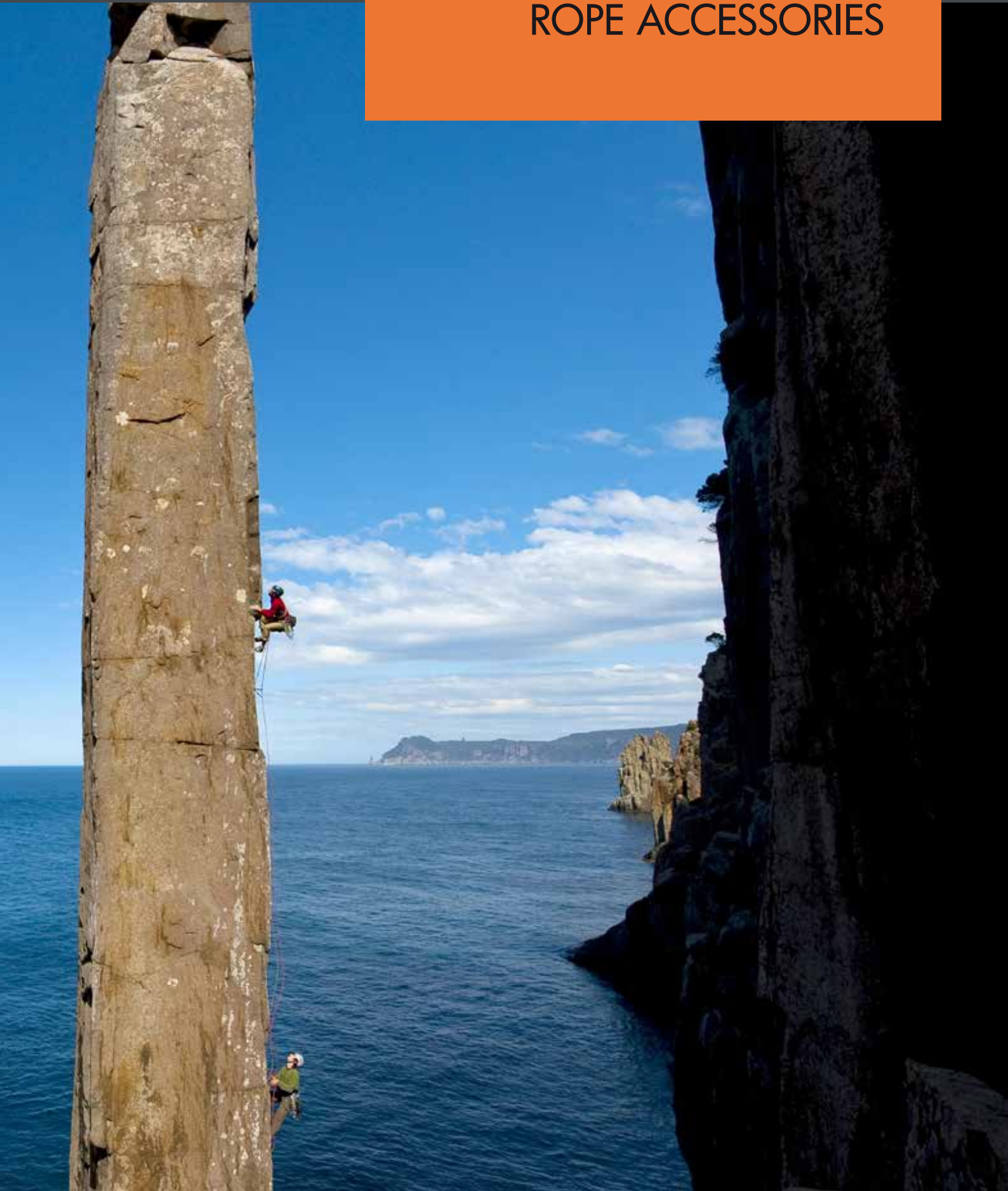
	Product Name	Ref. No	PACK 5 pz	Lenght		< kN >				Pg.
	PASSION PRO SET DY	2E680BC C0F	2E680BC C0F ST1	12 cm	89 g	22 kN	•	•	•	36
		2E680BF C0F	-	17 cm	91 g					
		2E680BI C0F	-	22 cm	93 g					
	PASSION-M PRO SET DY	2E681BC C0G	2E681BC C0G ST1	12 cm	85 g	22 kN	•	-	•	36
		2E681BF C0G	-	17 cm	87 g					
		2E681BI C0G	-	22 cm	89 g					
	PASSION-W PRO SET DY	2E676BC C0H	2E676BC C0H ST1	12 cm	80 g	22 kN	•	-	•	36
		2E676BF C0H	-	17 cm	82 g					
		2E676BI C0H	-	22 cm	84 g					
	AERIAL PRO SET DY	2E682BC C0B	2E682BC C0B ST1	12 cm	81 g	22 kN	•	•	•	37
		2E682BF C0B	-	17 cm	83 g					
		2E682BI C0B	-	22 cm	85 g					
	AERIAL PRO SET HC DY	2E682BC C0A	2E682BC C0A ST1	12 cm	81 g	22 kN	•	•	•	37
		2E682BF C0A	-	17 cm	83 g					
		2E682BI C0A	-	22 cm	85 g					
	FLY-WEIGHT SET DY	2E669BA B0I	2E669BA B0I ST1	12 cm	57 g	22 kN	•	-	•	38
		2E669BD B0I	-	17 cm	59 g					
		2E669BG B0I	-	22 cm	61 g					
	NIMBLE SET DY	2E665BB C0C	2E665BB C0C ST1	12 cm	106 g	22 kN	-	•	•	39
		2E665BE C0C	-	17 cm	108 g					
		2E665BH C0C	-	22 cm	110 g					
	NIMBLE SET NY	2E665BM C0C	2E665BM C0C ST1	12 cm	115 g	25 kN	-	•	•	39
		2E665BK C0C		17 cm	119 g					
	LIME SET DY	2E661BC C0L 2E661BC A0A	2E661BC C0L ST1  2E661BC A0A ST1 	12 cm	90 g	22 kN	•	•	•	40
		2E661BF C0L 2E661BF A0A	-	17 cm	92 g					
		2E661BI C0L 2E661BI A0A	-	22 cm	94 g					
	LIME-M SET DY	2E670BC C0N 2E670BC A0P	2E670BC C0N ST1	12 cm	85 g	22 kN	•	-	•	40
		2E670BF C0N 2E670BF A0P	-	17 cm	87 g					
		2E670BI C0N 2E670BI A0P	-	22 cm	89 g					
	LIME-W SET DY	2E657BC C0M	2E657BC C0M ST1	12 cm	79 g	22 kN	•	-	•	40
		2E657BF C0M	-	17 cm	81 g					
		2E657BI C0M	-	22 cm	83 g					
	LIME SET NY	2E661BO C0L 2E661BM A0A	2E661BO C0L ST1  2E661BM A0A ST1 	12 cm	94 g	23 kN	•	•	•	40
		2E661BP C0L 2E661BK A0A	-	17 cm	98 g					

	Product Name	Ref. No	PACK 5 pz	Lenght		< kN >				Pg.
	BASIC SET NY	2E652BJ A0A	2E652BJ A0A ST1	12 cm	97 g	22 kN	-	-	•	42
	GYM SS SET	4E334BM A0Y	-	12 cm	224 g	25 kN	-	•	•	42
	GYM S-B SET	4E334BN A0Y	-	12 cm	226 g	25 kN	-	•	•	42
	GYM SS SET	3E334BN AOU	-	12 cm	225 g	25 kN	-	•	•	42

	Product Name	Ref. No	Lenght	Color		< kN >	Standards	Pg.
	EXTENDER DY	7W10201204	12 cm	white/gold	8 g	22 kN	EN 566	43
	EXTENDER DY	7W10201206	12 cm	white/grey	8 g			
	EXTENDER DY	7W10201704	17 cm	white/gold	10 g			
	EXTENDER DY	7W10201706	17 cm	white/grey	10 g			
	EXTENDER DY	7W10202204	22 cm	white/gold	12 g			
	EXTENDER DY	7W10202206	22 cm	white/grey	12 g			
	EXTENDER NY	7W10001204  7W10001208 	12 cm	gold/grey green/grey	14 g	25 kN	EN 566	43
	EXTENDER NY	7W10001704  7W10001708 	17 cm	gold/grey green/grey	18 g			
	EXTENDER NY	7W10002204  7W10002208 	22 cm	gold/grey green/grey	23 g			
	RUBBER FASTENER S	6V82012 01	For slings 10÷13 mm	orange	2 g	-	-	43
		6V82012 05		black	2 g	-	-	43
	RUBBER FASTENER L	6V82018 01	For slings 15÷18 mm	orange	3 g	-	-	43
		6V82018 05		black	3 g	-	-	43
	RUBBER FASTENER B	6V80520 01	For ropes 9÷11 For slings 18÷22 mm	orange	3 g	-	-	43
		6V80520 05		black	3 g	-	-	43
	ROPE HOLDER	3C610	-	mixed colors	5 g	-	-	43



ROPE ACCESSORIES





2K651



Look at the video!

ALPINE↑UP

The Alpine Up is the most complete and versatile belay / rappel device ever produced. It has been developed especially for mountaineering and it can be used with half, twin and single ropes. Extremely advantageous, it allows self-locking abseiling and it can be used in three different belay modes, depending on the terrain.

The **CLICK UP MODE** (Hand assisted braking) allows:

- belaying a lead climber on multi pitch sport climbing routes (bolted);
- self-locking abseiling, using the folding handle;
- absolute safety, even if the rope is incorrectly inserted.

The **DYNAMIC MODE** (Manual braking) allows:

- belaying a lead climber on alpine route or ice climbing (friends, nuts and pitons);
- braking friction with "V" grooves, similar to a tube device;
- abseiling with "V" grooves brake.

The **GUIDE MODE** allows:

- independent and self-locking belaying of one or two seconding climbers;
- possibility of gradual releasing of a second under tension, by placing a biner in the proper hole.

The Alpine Up is supplied with the proper HMS Concept SGL HC carabiner with hard-coated wear-proof anodization and ACL system that prevents the possibility of the cross loading. **Patented and entirely produced in Italy.**

Weight: 175 g only device.

For use with ropes: EN 892 ①/② 7,7 ÷ 9 mm / ① 8,9 ÷ 10,5 mm

UIAA - Conform to EN 15151-2:2012 type-2

Made in Italy

PATENTED

ALPINE↑UP



Holes for belaying : Click Up for use on multi-pitch sports routes, Dynamic for use on trad routes and frozen waterfalls.



Anchor hole: for attachment to the stance in GUIDE mode for belaying seconds.



Ergonomic lever: for auto-blocking abseil descents in CLICKUP mode.

CLICKUP



2K645

The Click Up is an innovative belay device developed for sport climbing. It is simple to use and its innovative design has safety features that prevent mistakes. Easy to use, intuitive and safe, it is extremely lightweight and compact. It presents many advantages:

- it allows you to quickly and fluidly feed rope without jamming;
- it allows to arrest a fall simply by pull down the free hand of the rope;
- it operates without the need to act on levers and moving parts;
- especially suitable for beginners and children because intuitive and error-proof.

TOTAL USE SAFETY! The final, but most fundamental feature, is in the case of incorrect use. Should the device be used incorrectly, the Click Up continues to allow you to break and lower your partner in complete safety, thanks to the V-shaped braking notches present. This is the most appreciated feature, as it avoids several mistakes that can happen during the use of belay devices while climbing, both indoors or outdoors. It makes the Click Up the right belay device for rock climbing schools and climbing gyms.;

The Click Up is supplied and must be used with the proper HMS Concept SGL HC carabiner with hard-coated wear-proof anodization and ACL system that prevents the possibility of the cross loading. **Patented and entirely produced in Italy.**

Weight: 115 g only device.

For use with ropes: EN 892 ① 8,9 ÷ 10,5 mm

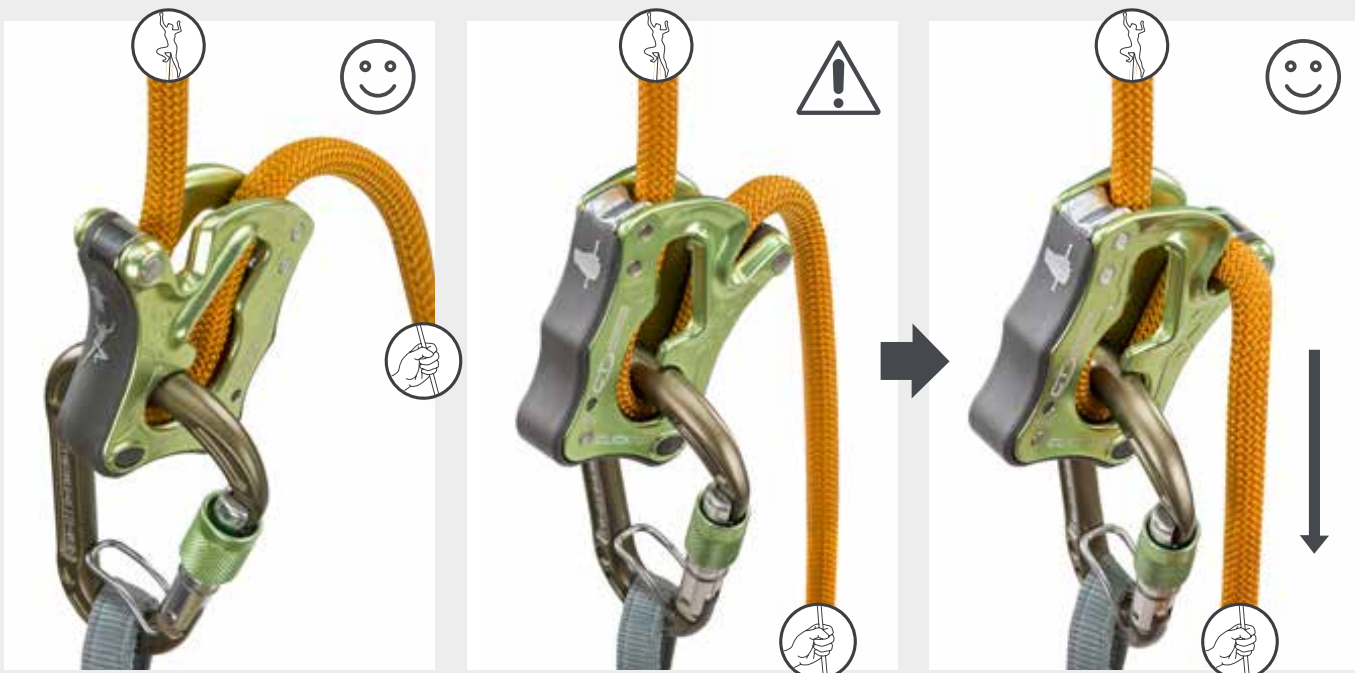
UIAA - Conform to EN 15151-2:2012 type-2

Made in Italy



Look at the video!

PATENTED



The Click Up is correctly installed: you can see the symbol with person and arrow and the rope is going towards the climber.

The Click Up is incorrectly installed and is the wrong way round: you see the symbol with the hand (instead of the person and arrow), the rope going to the climber should be on the opposite side.

Even if used the wrong way round, the Click Up allows you to belay the climber and lower him to the ground thanks to the special V-shaped braking groove which generates friction on the rope like a normal belay device. This functionality means the Click Up is effective even when used incorrectly.



2D641



2K641

GROOVE

Multipurpose hot-forged light alloy belay / rappel device. Designed for belay of the seconding climbers, it has two holes: the upper one for belay and the lower one for connection during abseil;

- for use with single rope, half ropes and twin ropes;
- allows for independent, self-locking belay of one or two seconding climbers;
- allows abseil while keeping the two ropes mutually separated and parallel;
- two lower braking grooves allow for rope positioning to adjust abseil speed.

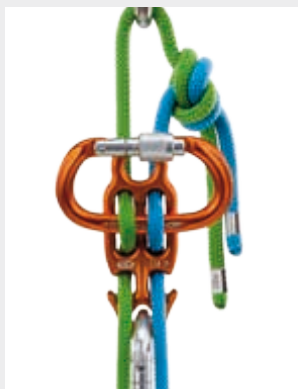
Weight: 85 g
For use with ropes: EN 892 $\frac{1}{2}$ 7,7 ÷ 9 mm / 1 8,9 ÷ 10,5 mm
UIAA - Conform to EN 15151-2:2012 type-4
Made in Italy

GROOVE KIT

Combination kit with Groove + Pillar SG Carabiner.



Double rope abseil: Inserting ropes in braking grooves allows for abseil speed regulation.



Recovery mode: system allows for independent and self-locking recovery of one or two seconds.



2D611



2K611

DOBLE V-ROW

Hot-forged light alloy tube-shaped belay / rappel device, equipped with V-shaped braking grooves for greater braking ability. For use with single rope, half ropes and twin ropes.

Weight: 76 g
For use with ropes: EN 892 $\frac{1}{2}$ 7,7 ÷ 9 mm / 1 8,9 ÷ 10,5 mm
UIAA - Conform to EN 15151-2:2012 type-4
Made in Italy

DOBLE V-KIT

Combination kit with Doble V-Row + Snappy SG Carabiner.



2D615



2K615

DOBLE

Classic hot-forged light alloy tube-shaped belay / rappel device. Easy to use, compact and practical. For use with single rope, half ropes and twin ropes. Made in Italy.

Weight: 61 g
For use with ropes: EN 892 $\frac{1}{2}$ 7,7 ÷ 9 mm / 1 8,9 ÷ 10,5 mm
UIAA - Conform to EN 15151-2:2012 type-2

DOBLE KIT

Combination kit with Doble + Snappy SG Carabiner.



OTTO SMALL
2D601



OTTO MEDIUM
2D602



OTTO BIG
2D603

OTTO

Hot-forged light alloy 8-shaped belay / rappel device. For use with single rope, half ropes and twin ropes. Available in small, medium and big size. Made in Italy.

Weights: Small 94 g, Medium 108 g, Big 125 g

For use with ropes: EN 892 $\frac{1}{2}$ $\text{\textcircled{D}}$ 7,7 \div 9 mm / $\text{\textcircled{1}}$ 8,9 \div 10,5 mm
UIAA - Conform to EN 15151-2:2012 type-2



OTTO CURVED
2D605

OTTO CURVED

Hot-forged light alloy 8-shaped belay / rappel device. For use with single rope, half ropes and twin ropes. The squared shape reduces rope twisting and the curved profile allows two different descent speeds. Made in Italy.

Weight: 79g

For use with ropes: EN 892 $\frac{1}{2}$ $\text{\textcircled{D}}$ 7,7 \div 9 mm / $\text{\textcircled{1}}$ 8,9 \div 10,5 mm
UIAA - Conform to EN 15151-2:2012 type-4



AIGLE
2D631



AIGLE DX
2D627

AIGLE

Light alloy descender for single and double ropes:

- ideal for speleology and canyoning applications;
- equipped with a spring lock gate that allows rope insertion without unhooking the carabiner from the harness;
- it allows to adjust descent speed by holding or feeding the free end of the rope.

Weight: 246 g

For use with ropes: EN 892 - EN 1891 $\text{\textcircled{D}}$ 9 \div 12 mm
Made in Italy

ACLES DX

Light alloy descender for single ropes:

- ideal for speleology;
- with a spring lock gate that allows rope insertion without unhooking the carabiner from the harness;
- allows to adjust descent speed by holding or feeding the free end of the rope;
- the hole on the bottom flange allows the introduction of the quickdraw carabiner directly on the descender.

Weight: 252 g

For use with ropes: EN 892 - EN 1891 $\text{\textcircled{D}}$ 9 \div 12 mm
Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



2D652

ROLLNLOCK

Ultra-light pulley / rope clamp (only 80 g!) designed for rope climbing maneuvers, rescue and self-rescue situations. Main technical features:

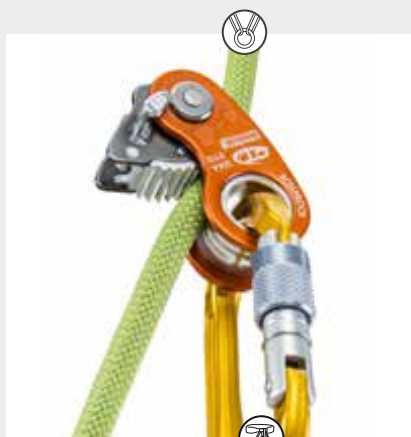
- mobile side plates for the rope or on sling placement;
- spring operated cam for use as a rope ascender;
- sliding lock for use as a pulley;
- ideal for the crevasse rescue;
- it allows the hauling of light loads;
- developed to work also on wet or dirty ropes;
- It can be used to adjust the positioning on webbing or daisy chain.

Weight: 80 g
Strength: 20-10-10 kN *

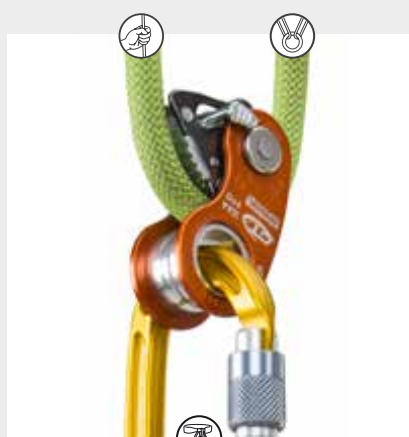
Efficiency: 85%
For use with ropes: EN 892 - EN 1891 \varnothing 8 ÷ 13 mm
For use with slings: 10 ÷ 16 mm

EN 12278:2007 - EN 567:1997
CE 0333
Made in Italy

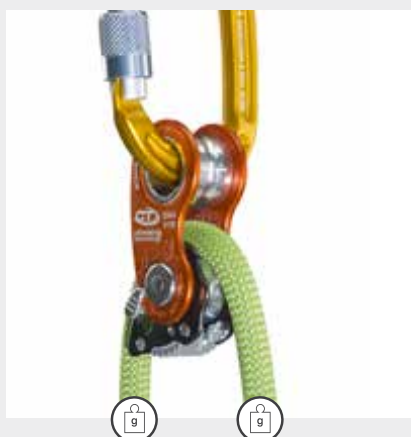
A
B C *Strength: A/B/C kN



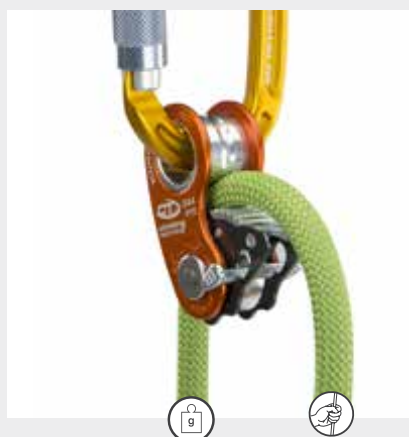
Ascending a rope



Crevasse rescue



Use as apulley



Hauling a load



Positioning adjustment on webbing



FIX SIMPLE
2P621



MOBILE SIMPLE
2P622



MOBILE SINGLE
2P624

A
B C Strength: A/B/C kN



MOBILE DOUBLE
2P625



TWIN PULLEY
2P626

FIX SIMPLE

Robust and compact light alloy pulley with fixed flanges. Quick installation, particularly suited for hauling and load deviations. Assembled on self-lubricating bushes.

For use with ropes: $\varnothing \leq 13$ mm.

Weight: 104 g - Strength: 30-15-15 kN* - Efficiency: 80%

EN 12278:2007

CE 0333

Made in Italy

MOBILE SIMPLE

Robust and compact light alloy pulley with mobile flanges. Particularly suited for hauling and load deviations. Assembled on self-lubricating bushes. For use with ropes: $\varnothing \leq 13$ mm.

Weight: 94 g - Strength: 30-15-15 kN* - Efficiency: 80%

EN 12278:2007

CE 0333

Made in Italy

MOBILE SINGLE

Versatile and compact light alloy pulley with mobile flanges. Particularly suited for hauling and load deviations. Sheaves mounted on ball bearings. For use with ropes: $\varnothing \leq 13$ mm.

Weight: 200 g - Strength: 32-16-16 kN* - Efficiency: 96%

EN 12278:2007

CE 0333

Made in Italy

MOBILE DOUBLE

Versatile and compact light alloy pulley with mobile flanges. Features additional attachment point to allow for diverse and complex hauling operations. Assembled on ball-bearings. For use with ropes: $\varnothing \leq 13$ mm.

Weight: 210 g - Strength: 32-16-16 kN* - Efficiency: 96%

EN 12278:2007

CE 0333

Made in Italy

TWIN PULLEY

Versatile and compact light alloy twin pulley with mobile flanges. Additional attachment ideal for realising hauling hoists. Allows for insertion of three carabiners in the upper eyelet and one in the lower eyelet. Sheaves mounted on ball bearings.

For use with ropes: $\varnothing \leq 13$ mm.

Weight: 246 g - Strength: 50-12,5+12,5-12,5+12,5 kN*
Efficiency: 96%

EN 12278:2007

CE 0333

Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



QUICK-UP SX
2D639SC



QUICK-UP DX
2D639DC

QUICK-UP DX - SX

Right or left rope ascender with ergonomic rubber grip. Features three cam grooves to avoid mud accumulation. Equipped with PATENTED unlocking system activated with a single downward movement (see 1 ÷ 3 sequence).

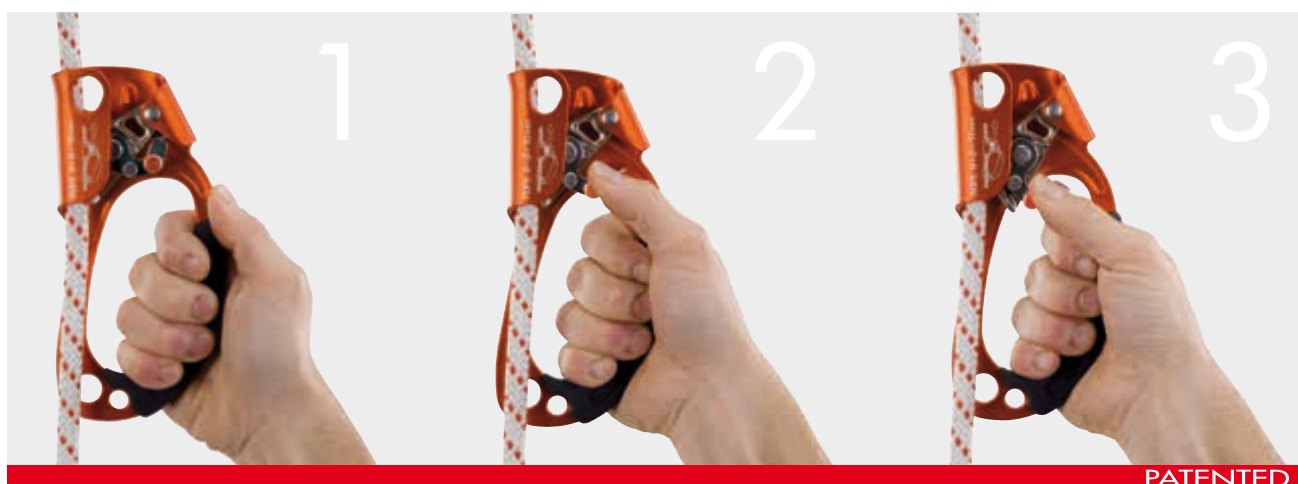
Weight: 215 g

EN 567:1997 for use with ropes: Ø 8 ÷ 13 mm

EN 12841:2006-B for use with ropes: Ø 10 ÷ 13 mm

CE 0333

Made in Italy



PATENTED



2D640DC

CHEST ASCENDER

Right-hand chest ascender in light alloy. Equipped with PATENTED unlocking system that activates with a single downward movement.

Weight: 140 g

EN 567:1997 for use with ropes: Ø 8 ÷ 13 mm

EN 12841:2006-B for use with ropes: Ø 10 ÷ 13 mm

CE 0333

Made in Italy



2D642D0

ASCENDER SIMPLE

Light alloy right-hand ascender. Equipped with rope PATENTED unlocking system that activates with a single downward movement (PATENTED). Ideal for hoisting.

Weight: 150 g

EN 567:1997 for use with ropes: Ø 8 ÷ 13 mm

EN 12841:2006-B for use with ropes: Ø 10 ÷ 13 mm

CE 0333

Made in Italy

NEW



2D655S



2D655D

QUICK STEP S

Left or right foot ascender that facilitates and expedites rope ascending in speleological operations when used in combination with Quick-up or Chest Ascender models.

Numerous advantages:

- specific speleological use, allows for rope hooking with only one hand and unhooking with a backward movement of the leg;
- cam / lever mechanism totally integrated in the device body;
- works also on iced and muddy ropes thanks to the self-cleaning cam;
- totally adjustable sling for correct positioning;
- lower reinforcement with tubular sling;
- stable: does not rotate under load.

Weight: 197 g
For use with ropes: $\varnothing 8 \div 13$ mm
Made in Italy

Attenzione! Non è un D.P.I.



2D795



2D793

TWIRL - TWISTER

Hot-forged light alloy swivels, ideal for avoiding rope twisting during load hauling.

TWIRL - Large sized swivel suited for use with high loads and mounted on an axial ball bearing. Strength: 40 kN. Weight: 170 g.

TWISTER - Compact and small swivel, suited for medium loads and mounted on an axial ball bearing. Strength: 24 kN. Weight: 80 g.

EN 354:2010
CE 0333
Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS




















PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR

	Product Name	Ref. No		kN	$\frac{1}{2}$		1		Standards		Pg.	
	ALPINE-UP	2K651		175 g only Alpine-up	-	7,7 ÷ 9 mm	7,7 ÷ 9 mm	8,9 ÷ 10,5 mm	•	Conform to EN 15151-2:2012 type-2	•	56
	CLICK-UP	2K645BSLSYD (Click Up + carabiner) 2K645BWESYC (Click Up + carabiner)	 	115 g only Click-up	-	-	-	8,9 ÷ 10,5 mm	•	Conform to EN 15151-2:2012 type-2	•	57
	GROOVE	2D641		85 g	20 kN	7,7 ÷ 9 mm	7,7 ÷ 9 mm	8,9 ÷ 10,5 mm	•	Conform to EN 15151-2:2012 type-4	•	58
	GROOVE KIT	2K641		154 g	20 kN	-	-	-	•	Conform to EN 15151-2:2012 type-4	•	58
	DOUBLE V-ROW	2D611A5		76 g	20 kN	7,7 ÷ 9 mm	7,7 ÷ 9 mm	8,9 ÷ 10,5 mm	•	Conform to EN 15151-2:2012 type-4	•	58
	DOUBLE V-KIT	2K611		162 g	20 kN	-	-	-	•	Conform to EN 15151-2:2012 type-4	•	58
	DOUBLE	2D615A5		61 g	20 kN	7,7 ÷ 9 mm	7,7 ÷ 9 mm	8,9 ÷ 10,5 mm	•	Conform to EN 15151-2:2012 type-2	•	58
	DOUBLE KIT	2K615		147 g	20 kN	-	-	-	•	Conform to EN 15151-2:2012 type-2	•	58
	OTTO SMALL	2D601	  	94 g	25 kN	7,7 ÷ 9 mm	7,7 ÷ 9 mm	8,9 ÷ 12 mm	•	Conform to EN 15151-2:2012 type-2	•	59
	OTTO MEDIUM	2D602	  	108 g	30 kN	-	-	8,9 ÷ 12 mm	•	Conform to EN 15151-2:2012 type-2	•	59
	OTTO BIG	2D603	  	125 g	35 kN	-	-	8,9 ÷ 12 mm	•	Conform to EN 15151-2:2012 type-2	•	59
	OTTO CURVED	2D605		79 g	25 kN	-	-	8,9 ÷ 12 mm	•	Conform to EN 15151-2:2012 type-4	•	59
	AIGLE	2D631D0		246 g	-	-	-	9 ÷ 12 mm	-	For use with ropes: EN 892 - EN 1891	-	59
	ACLES DX	2D627D0		252 g	-	-	-	9 ÷ 12 mm	-	For use with ropes: EN 892 - EN 1891	-	59

	Product Name	Ref. No		kN				Standards		Pg.
	ROLLNLOCK	2K652	80 g	20 kN  10 - 10	•	-	-	For use with ropes: 8 ÷ 13 mm EN 12278:2007 EN 567:1997	•	60
	FIX SIMPLE	2P621	104 g	30 kN  15 - 15	•	-	-	For use with ropes: Ø ≤ 13 mm EN 12278:2007	•	61
	MOBILE SIMPLE	2P622	94 g	30 kN  15 - 15	•	-	-	For use with ropes: Ø ≤ 13 mm EN 12278:2007	•	61
	MOBILE SINGLE	2P624	200 g	32 kN  16 - 16	-	•	-	For use with ropes: Ø ≤ 13 mm EN 12278:2007	•	61
	MOBILE DOUBLE	2P625	210 g	32 kN  16 - 16	-	•	-	For use with ropes: Ø ≤ 13 mm EN 12278:2007	•	61
	TWIN PULLEY	2P626	346 g	50 kN  12,5+12,5 - 12,5+12,5	-	•	-	For use with ropes: Ø ≤ 13 mm EN 12278:2007	•	61
	TWIRL	2D795	170 g	40 kN	-	•	•	EN 354:2002	-	63
	TWISTER	2D793	80 g	24 kN	-	•	•	EN 354:2010	-	63

	Product Name	Ref. No		Ø Rope	Standards		Pg.
	QUICK-UP SX	2D639SC	215 g	8 ÷ 13 mm	EN 567:1997	•	62
				10 ÷ 13 mm	EN 12841:2006-B		
	QUICK-UP DX	2D639DC	215 g	8 ÷ 13 mm	EN 567:1997	•	62
				10 ÷ 13 mm	EN 12841:2006-B		
	CHEST ASCENDER	2D640DC	140 g	8 ÷ 13 mm	EN 567:1997	•	62
				10 ÷ 13 mm	EN 12841:2006-B		
	ASCENDER SIMPLE	2D642D0	150 g	8 ÷ 13 mm	EN 567:1997	•	62
				10 ÷ 13 mm	EN 12841:2006-B		
	QUICK STEP S RIGHT	2D655D	155 g	8 ÷ 13 mm	-	-	63
	QUICK STEP S LEFT	2D655S	155 g	8 ÷ 13 mm			



HARNESSES





7H130

ON-SIGHT

Lightweight and strong harness, especially developed for sport climbing. Main technical features:

- new design and new materials providing excellent comfort;
- breathable quick-dry lining mesh;
- one adjustment buckle;
- new plastic buckle to easily adjust the free end of the waistbelt strap;
- 4 large gear loops and two slots to accommodate the carrying-tools carabiners (Ref. No. 6V519) or the hammer holster (Ref. No. 6V520);
- new T-shaped leg loops to provide an enhanced comfort;
- rear loop for the chalk bag.

Weight size M: 300 g
Adjustable size: XS, S, M, L, XL

EN 12277:2007 - C
CE 0333
Made in Europe



Cerro Walwalun, Chile © Mirko Masè



7H131

ASCENT

All-around harness. Especially developed for traditional and ice climbing. Main technical features:

- new design and new materials providing excellent comfort;
- breathable quick-dry lining mesh;
- strong and ergonomic structure which guarantees an excellent lumbar support;
- 4 adjustment buckles for a perfect fit;
- 4 large gear loops and two slots to accommodate the carrying-tools carabiners (Ref. No. 6V519) or hammer holster (Ref. No. 6V520);
- 2 small gear loops for positioning the accessories;
- new T-shaped leg loops to provide an enhanced comfort;
- rear loop for the chalk bag.

Weight size M-L: 410 g
Adjustable size: XS-S, M-L, L-XL

EN 12277:2007 - C
CE 0333
Made in Europe



Innovative SRS system (Size Regulation System), the plastic buckle allows optimal adjustment of the harness and fix the free end of the waist band and improve fitting to body shape.



Equipped with slots to accommodate the carrying-tools carabiners (Truck) or hammer holster (Hammer Lodge).



Equipped with four wide gear loops for the hardware, with a little but useful gear loop for the accessories.



7H132

EXPLORER

Fully adjustable harness, especially developed for use in via ferrata and climbing school. Main technical features:

- new design and new materials for even better comfort;
- new padded waist-belt and leg loops for to provide an enhanced comfort;
- weightless, strong and easy to wear;
- equipped with three buckles that allow a full adjustment on both leg straps and waist belt;
- belay loop in orange color, clearly identifiable, that reduce the risk of wrong tying-in;
- two large side gear loop.

Weight size M-L: 375 g
Adjustable size: S-M, M-L

EN 12277:2007 - C
CE 0333
Made in Europe

CARABINERS AND QUICKDRAWS

ROPE ACCESSORIES

HARNESSES

HELMET AND HEAD LAMP

VIA FERRATA SETS

PROTECTION AND SLINGS

ANCHORS AND BELAY STATION

ICE AXES AND CRAMPONS

PACKS BAGS AND POLES

ROPES, CHALK AND ACCESSORIES

ADVENTURE PARK

WEAR



NEW

7H139

DISCOVERY

Fully adjustable harness, especially designed for adventure park, climbing schools and via ferrata. Main technical features:

- new design and new materials providing excellent comfort;
- extremely light weight, strong and easy to wear;
- equipped with 3 buckles allowing a complete adjustment on both leg loops and waist belt;
- belay loop in orange color, clearly visible, so to reduce the risk of wrong tying-in;
- large side gear loop.

Weight: 350 g
Adjustable size

EN 12277:2007 - C
CE 0333
Made in Europe



NEW

7H140

PRO-CANYON

Fully adjustable harness, especially designed for canyoning. Main technical features:

- new design and new materials providing excellent comfort;
- simple construction which allows water to flow easily;
- equipped with 3 buckles allowing a complete adjustment on both leg loops and waist belt;
- belay loop in orange color, clearly visible even in a poor lightened environment; large side gear loop.

Weight: 495 g
Adjustable size

EN 12277:2007 - C
CE 0333
Made in Europe



NEW

7H141

CANYONING PROTECTION

Protection replacement for PRO-CANYON harness.



NEW

7H143

JUNGLE

Full-body harness, completely adjustable, for children 95-140 cm tall and weighing less than 40 kg. Developed for adventure parks and sport climbing.

Characteristics:

- new ergonomic structure designed to allow complete freedom of movement;
- front opening with innovative “Magnetic Twist” closure, to allow simple and fast putting-on and avoids accidental opening.
- shoulder and leg straps completely adjustable to allow perfect fitting.
- easily identified orange harness loop to reduce risk of wrongly tying-in.

Important! An adult must always supervise use.
Adjustable size.

Weight 260 g
EN 12277:2007 -B
CE 0333
Made in Europe



Piz Ciavazes, Italy © Manrico dell'Agnola

CARABINERS AND QUICKDRAWS

ROPE ACCESSORIES

HARNESSES

HELMET AND HEAD LAMP

VIA FERRATA SETS

PROTECTION AND SLINGS

ANCHORS AND BELAY STATION

ICE AXES AND CRAMPONS

PACKS BAGS AND POLES

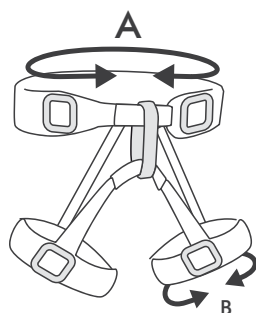
ROPES, CHALK AND ACCESSORIES

ADVENTURE PARK

WEAR



	Product Name	Ref. No		Size	A cm	B cm	Standard		Pg.
	ON-SIGHT	7H130 A0	270 g	XS	65 ÷ 75	46 ÷ 50	EN 12277:2007-C	•	68
		7H130 B0	285 g	S	70 ÷ 80	50 ÷ 54			
		7H130 C0	300 g	M	75 ÷ 85	54 ÷ 58			
		7H130 D0	315 g	L	80 ÷ 90	58 ÷ 62			
		7H130 E0	325 g	XL	85 ÷ 95	62 ÷ 66			
	ASCENT	7H131 AB	395 g	XS-S	65 ÷ 75	50 ÷ 60	EN 12277:2007-C	•	68
		7H131 CD	410 g	M-L	75 ÷ 90	55 ÷ 65			
		7H130 DE	425 g	L -XL	85 ÷ 100	60 ÷ 70			
	EXPLORER	7H132 BC	360 g	S-M	60 ÷ 80	50 ÷ 60	EN 12277:2007-C	•	69
		7H132 CD	375 g	M-L	75 ÷ 95	58 ÷ 70			
	DISCOVERY	7H139	350 g	Adjustable size	-	-	EN 12277:2007-C	•	70
	PRO-CANYON	7H140	350 g	Adjustable size	-	-	EN 12277:2007-C	•	70
	CANYONING PROTECTION	7H141	145 g	Adjustable size	-	-	-	-	70
	JUNGLE	7H143	260 g	Adjustable size	-	For heights of 95-140 cm	EN 12277:2007-B	-	71



A: waist belt size
B: leg loops size



HELMETS AND HEAD LAMP





MIZAR

Ultra-light and comfortable helmet designed for mountaineering and ice climbing.

It presents the following features:

- In-Mould technology: EPS liner, PC shell;
- excellent ventilation provided by adequate aeration slots;
- fold away size adjustment knob, excellent for easy storage and transportation;
- equipped with four headlamp clips;
- comfortable foam made of absorbent and washable fabric;
- compatible with the face shield Visor M.

Weight: 270 g

Adjustable size cm 53 ÷ 62

EN 12492:2003

CE

Made in Italy



STARK

Professional mountaineering helmet, designed for intensive use for both traditional climbing and sport climbing.

Main technical features:

- lightweight and fully adjustable even with just one hand;
- extremely comfortable and well ventilated;
- ventilation slots protected by a stainless steel mesh;
- equipped with 4 headlamp clips;
- shell made of polyethylene and inner-lining made of expanded polystyrene;
- comfortable foam with a quick-dry and washable fabric;
- compatible with the face shield Visor S.

Weight: 380 g

Adjustable size cm 53 ÷ 62

EN 12492:2003

CE

Made in Italy



6X948



GALAXY

All-round mountaineering helmet, recommended for ice climbing, sport climbing and via ferrata. Main technical features:

- ergonomic shell design;
- lightweight, comfortable and excellent ventilation provided by adequate aeration slots;
- equipped with 4 headlamp clips;
- fully adjustable and suitable for men, women and children;
- lightweight shell made of ABS and inner-lining made of expanded polystyrene;
- comfortable foam with a quick-dry and washable fabric;
- compatible with the Visor G.

Weight: 350 g
Adjustable size cm 50 ÷ 61

EN 12492:2003
CE
Made in Italy



Cerro Walwalun, Chile © Mirko Masè



6X9410B

6X9410D

NEW

9X9410A

VISOR M-S-G

Transparent Visor compatible with the Mizar, Stark e Galaxy helmets.

Main technical features:

- full protection from fragments of ice, snow, etc.
- 3 use positions: lowered, raised or intermediate;
- anti-scratch treatment outside and anti-fog treatment inside.

Weight: 65 g

EN 166
CE
Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



6X949



VENUS

Multipurpose helmet, particularly recommended for adventure park, climbing schools and via ferrata. Main technical features:

- ergonomic shell design
- lightweight, comfortable and well ventilated;
- fully adjustable and suitable for men, women and children;
- lightweight shell made of ABS and inner-lining made of expanded polystyrene;
- inner water repellent foam. Easy to wash and particularly suitable for adventure parks and climbing schools.

Weight: 350 g

Adjustable size cm 50 ÷ 61

EN 12492:2003

CE

Made in Italy



Inner water repellent foam and washable.



1-REAR RED LIGHT/
BLINK MODE



HD971

1-LED CREE 185 LM
2-LED WHITE
1-LED RED / BLINK MODE

LUMEX PRO

High-performance headlamp, recommended for sports amateurs and professionals.

Main technical features:

- excellent value for maximum power / autonomy: 185 lm / 16 hrs;
- excellent water resistance;
- 6 function modes;
- acting on a single switch, it's possible to choose the most appropriate light intensity;
- acting on the "zoom" lens you get a wide beam for proximity lighting or an intensive beam for long distance lighting;
- equipped with rear red light, fixed or blinking, for increased safety on the road or at work.
- it works with three alkaline batteries AA / 1,5 V (included).

Weight: 185 g



HD970

1-LED LUXEON 85 LM
1-LED WHITE
2-LED WHITE
1-LED RED

LUMEX

Ultra-light multipurpose headlamp. Recommended for sports amateurs and professionals.

Main technical features:

- excellent value for maximum power / autonomy: 85 lm / 2 hrs;
- high performances with just 49 g weight;
- excellent water resistance;
- 4 function modes;
- by placing the round lens in front of the light source you get a wide beam, by removing it you get an intensive beam for long distance lighting;
- it works with one alkaline battery AA / 1,5 V (included).

Weight: 49 g



7X990

BLACK LINE

Berretto antivento per alpinismo, escursionismo e tempo libero:

- realizzato in soft-shell antivento con ottima traspirabilità ed efficienza termica;
- ideale per essere indossato sotto al casco;
- taglia unica.

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

















ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES





ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR

	Product Name	Ref. No		Size	Standards		Pg.
	MIZAR	6X947 03	270 g	ADJUSTABLE SIZE cm 53 ÷ 62	EN 12492:2003	•	76
		6X947 01					
		6X947 07					
	VISOR M	6X9410B	65 g	-	EN 166	-	77
	STARK	6X952 01	380 g	ADJUSTABLE SIZE cm 53 ÷ 62	EN 12492:2003	•	76
		6X952 03					
		6X952 04					
		6X952 07					
	VISOR S	6X9410D	65 g	-	EN 166	-	77
	GALAXY	6X948 01	350 g	ADJUSTABLE SIZE cm 50 ÷ 61	EN 12492:2003	•	77
		6X948 02					
		6X948 05					
		6X948 07					
		6X948 09					
	VISOR G	6X9410A	65 g	-	EN 166	-	77

	Product Name	Ref. No		Size	Standards		Pg.
	VENUS	6X949 01	340 g	ADJUSTABLE SIZE cm 50 ÷ 61	EN 12492:2003	•	78
		6X949 07					
		6X949 09					

	Product Name	Ref. No			Pg.
	LUMEX PRO	HD971	185 g	3AA batteries alcaline INCLUDED	79
	LUMEX	HD970	49 g	3AA BATTERIES ALCANINE INCLUDED	79
	BLACK LINE CAP	7X990	25 g	ADJUSTABLE SIZE	79



VIA FERRATA SETS



ICE AXES AND
CRAMPONS

ROPES, CHALK
AND ACCESSORIES



2K373BB



PATENTED

TOP SHELL SPRING

Via ferrata set with tearing textile energy absorber. Main technical features:

- compact elastic arms that facilitate the operations of coupling and release;
- double gate carabiners type K, with patented wear proof protection;
- connection to the harness with Lark's head hitch, easy to install and very strong;
- energy absorber protected by a strong zip pocket, equipped with an inspection window for an immediate check of the safety label, in case of fall;
- the product is supplied in its proper net bag.

Weight: 450 g
EN 958:2006 + A1 01/2011
CE 0408 - Made in Europe



2K533BB

CLASSIC-K SPRING

Via ferrata set with tearing textile energy absorber. Main technical features:

- compact elastic arms that facilitate the operations of coupling and release;
- automatic gate carabiners type K;
- connection to the harness with Lark's head hitch, easy to install and very strong;
- energy absorber protected by a strong zip pocket, equipped with an inspection window for an immediate check of the safety label, in case of fall;
- the product is supplied in its proper net bag.

Weight: 380 g
EN 958:2006 + A1 01/2011
CE 0408 - Made in Europe





2K372AC

REVOLVING K-SET

Via ferrata set with rope energy absorber. Main technical features:

- elastic arms that facilitate the operations of coupling and release;
- double gate carabiners type K;
- swivel mounted on the energy absorber (PATENTED), that prevents the twisting of the arms;
- connection to the harness with Lark's head hitch, easy to install and very strong;
- energy absorber protected by a strong zip pocket, easy to inspect;
- the product is supplied in its proper net bag.

Weight: 530 g
EN 958:2006
CE 0333 - Made in Italy



2K5330D

CLASSIC-K SET

Via ferrata set with rope energy absorber. Main technical features:

- strong flat webbing arms;
- automatic gate carabiners type K;
- connection to the harness with Lark's head hitch, easy to install and very strong;
- energy absorber protected by a strong zip pocket, easy to inspect;
- the product is supplied in its proper net bag.

Weight: 450 g
EN 958:2006
CE 0333 - Made in Italy



7X9800



7X980A

GLOVES

Half finger and full finger leather gloves, with palm reinforcement and breathable back. Extremely resistant and comfortable, designed to guarantee excellent protection against friction, abrasion, etc. Ideal for the protection of the hands on via ferrata and from the friction caused by the rope when belaying. Equipped with ring for attach to the harness.

Available size: S - M - L - XL - XXL.
Made in Pakistan

CARABINERS AND QUICKDRAWS

ROPE ACCESSORIES

HARNESSES

HELMET AND HEAD LAMP

VIA FERRATA SETS

PROTECTION AND SLINGS

ANCHORS AND BELAY STATION

ICE AXES AND CRAMPONS

PACKS BAGS AND POLES

ROPES, CHALK AND ACCESSORIES

ADVENTURE PARK

WEAR



2K132

+



+



KIT FERRATA PLUS

Complete kif for via ferrata composed of:

- GALAXY helmet 6X94801;
- via ferrata set with textile energy absorber TOP SHELL SPRING 2K373BB;
- EXPLORER harnesses 7H132;
- the product is supplied in its proper net bag.



2K112

+



+



KIT FERRATA EVOLUTION

Complete kif for via ferrata composed of:

- GALAXY helmet 6X94809;
- via ferrata set with textile energy absorber CLASSIC-K SPRING 2K5330D;
- DISCOVERY harnesses 7H112;
- the product is supplied in its proper net bag.



2K112

+



+



KIT FERRATA CLASSIC

Complete kif for via ferrata composed of:

- VENUS helmet 6X94907;
- via ferrata set with rope energy absorber CLASSIC-K SET 2K5330D;
- DISCOVERY harnesses 7H112;
- the product is supplied in its proper net bag.

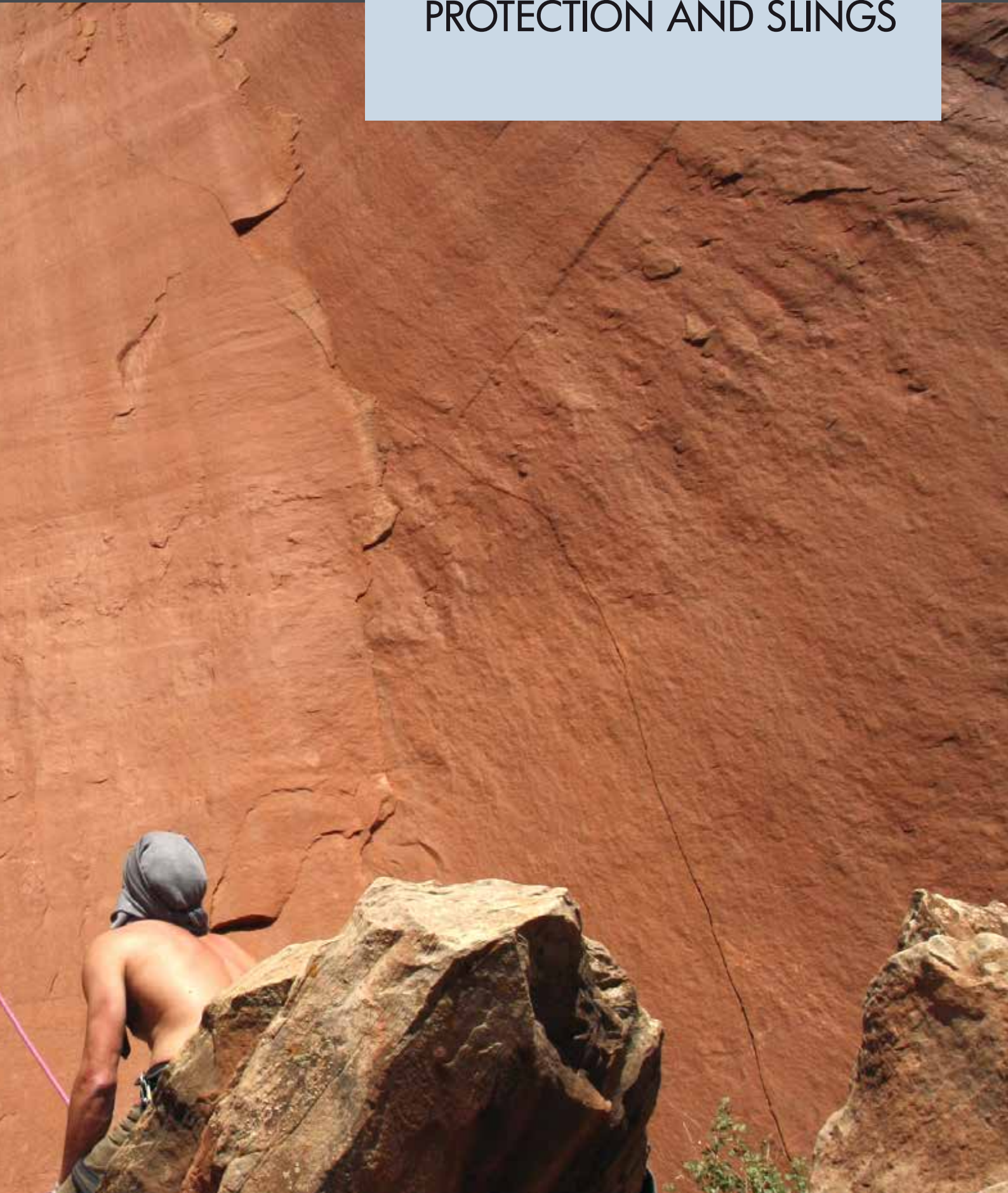
	Product Name	Ref. No		Standards		Pg.
	TOP SHELL SPRING	2K373BB	450 g	EN 958:2006+A1 01/2011	•	84
	CLASSIC-K SPRING	2K533BB	380 g	EN 958:2006+A1 01/2011	•	84
	REVOLVING K-SET	2K372AC	530 g	EN 958:2006	•	85
	CLASSIC K-SET	2K5330D	450 g	EN 958:2006	•	85

	Product Name	Ref. No	Size		Pg.
	KIT FERRATA PLUS <small>On request available with different colors helmets</small>	2K132BCABBA	S-M	1100 g	86
		2K132CDABBA	M-L	1300 g	
	KIT FERRATA EVOLUTION <small>On request available with different colors helmets</small>	2K112AFAABB	ONE SIZE	1050 g	86
	KIT FERRATA CLASSIC <small>On request available with different colors helmets</small>	2K112AFACBC	ONE SIZE	1140 g	86

	Product Name	Ref. No.		Size	Standards	Pg.
	GLOVES	7X980A	80 g	S - M - L - XL - XXL	-	85
	GLOVES	7X9800	100 g	S - M - L - XL - XXL	-	85



PROTECTION AND SLINGS





3A253140

3A253120

EYE SHARP

Soft steel zinc plated piton with V tip:

- to be used on soft rock (limestone etc.) in vertical cracks;
- it deforms adapting itself to the cracks of the rock where it is inserted;
- the eyelet is provided with grooves that facilitate the positioning of the carabiner;
- available in lengths 12 and 14 cm.

EN 569:2007

CE 0333 - Made in Italy



3A254140

3A254120

EYE ROUND

Soft steel zinc plated piton with U tip:

- to be used on soft rock (limestone etc.) in vertical cracks;
- it deforms adapting itself to the cracks of the rock where it is inserted;
- the eyelet is provided with grooves that facilitate the positioning of the carabiner;
- available in lengths 12 and 14 cm.

EN 569:2007

CE 0333 - Made in Italy



3A250150

3A250120

3A250100

UNIVERSAL

Universal soft steel zinc plated piton with 45° angled head:

- to be used on soft rock (limestone etc.) in every kind of crack;
- it deforms adapting itself to the cracks of the rock where it is inserted;
- the eyelet is provided with grooves that facilitate the positioning of the carabiner;
- available in lengths 10, 12 e 15 cm.

EN 569:2007

CE 0333 - Made in Italy



3A252140

3A252110

ANGLE WIDE

Angular hard steel piton:

- to be used on hard rock (granite, schist etc.) in large cracks;
- excellent extraction strength due to its angular shape;
- available Available in lengths 11 e 14 cm.

EN 569:2007

CE 0333 - Made in Italy



3A251140

3A251110

ANGLE NARROW

Angular hard steel piton:

- to be used on hard rock (granite, schist etc.) in medium cracks;
- excellent extraction strength due to its angular shape;
- available in lengths 11 e 14 cm.

EN 569:2007

CE 0333 - Made in Italy



3A255100

3A255085

3A255070

BLADE

Hard steel piton with tapered shape:

- designed to fit extremely thin cracks of various depths;
- to be used on hard rock (granite, schist etc.);
- two holes for the correct placement of the carabiner;
- Available in lengths 10, 7 and 8,5 cm.

EN 569:2007

CE 0333 - Made in Italy



3K620A

THUNDER HAMMER KIT

Lightweight and well balanced rock-hammer, ideal for alpine climbing routes.

Main technical features:

- hardened steel head with hole for hooking to the hammer holster (Ref. No. 6V510 - included);
- light alloy handle with ergonomic rubber cover;
- optimal weights balance that ensures great performances;
- space saving elastic sling holder that makes it practical and prevents its loss.

Weight: 450 g

Made in Italy

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

HAMMER LODGE

Hammer holster made of polyamide, extremely lightweight and practical:

- it allows a comfortable carrying of the hammer or others tools;
- the gate remains open with a simple move, allowing a quick hooking and releasing of the hammer;
- working load limit: 5 kg.

Attention! This product is developed only for hanging and carrying equipment on your belt or harness. It is not a PPE, and it is not intended to support the weight of a person or to be used in rope maneuvers. Any different use must be considered as prohibited.

Weight: 19 g

Made in Italy



6V520



PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

TRUCK

Composite polyamide tool holder, weightless and practical:

- it is meant for carrying and managing easily the gear on to the harness created to carry and enable easy management of gear on a harness (ice screws, pitons, nuts, etc.), ensuring for an easy clip-on and disconnection;
- the top end is shaped to ease the lodging of the equipment and choose which gear you want to unclip;
- work load Max: 5 kg.

Attention! This product is intended to hold equipment only. It is not meant for human support, is not a PPE.

Weight: 20 g

Made in Italy



6V519



ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR

CARVED CHOCKS

Light alloy anodized chocks, available in 11 sizes:

- each size is identified by a specific colour;
- the head groove allows a better placement in the rock.

Availability: by unit, fullset (1 ÷ 11) or medium sizes set (4 ÷ 10).

EN 12270:1998

CE 0333 - Made in Italy

2A843



ANCHORS FRIENDS

Light alloy anodized friends, available in 8 sizes:

- each size is identified by a specific cam and webbing stripes colour;
- hot forged, lightweight and extremely resistant cams.

Availability: by unit, full set (1 ÷ 8), small sizes set (1 ÷ 5) or medium sizes set (5 ÷ 8).

EN 12276:1998

CE 0333 - Made in Italy



2A844





A636

NUTS TOOL

Hardened steel nuts tool, extremely lightweight and strong. It is equipped with an hexagonal housing for tightening the 17 mm nuts and with a bottle-opener loop.

Weight: 60 g
Made in Italy

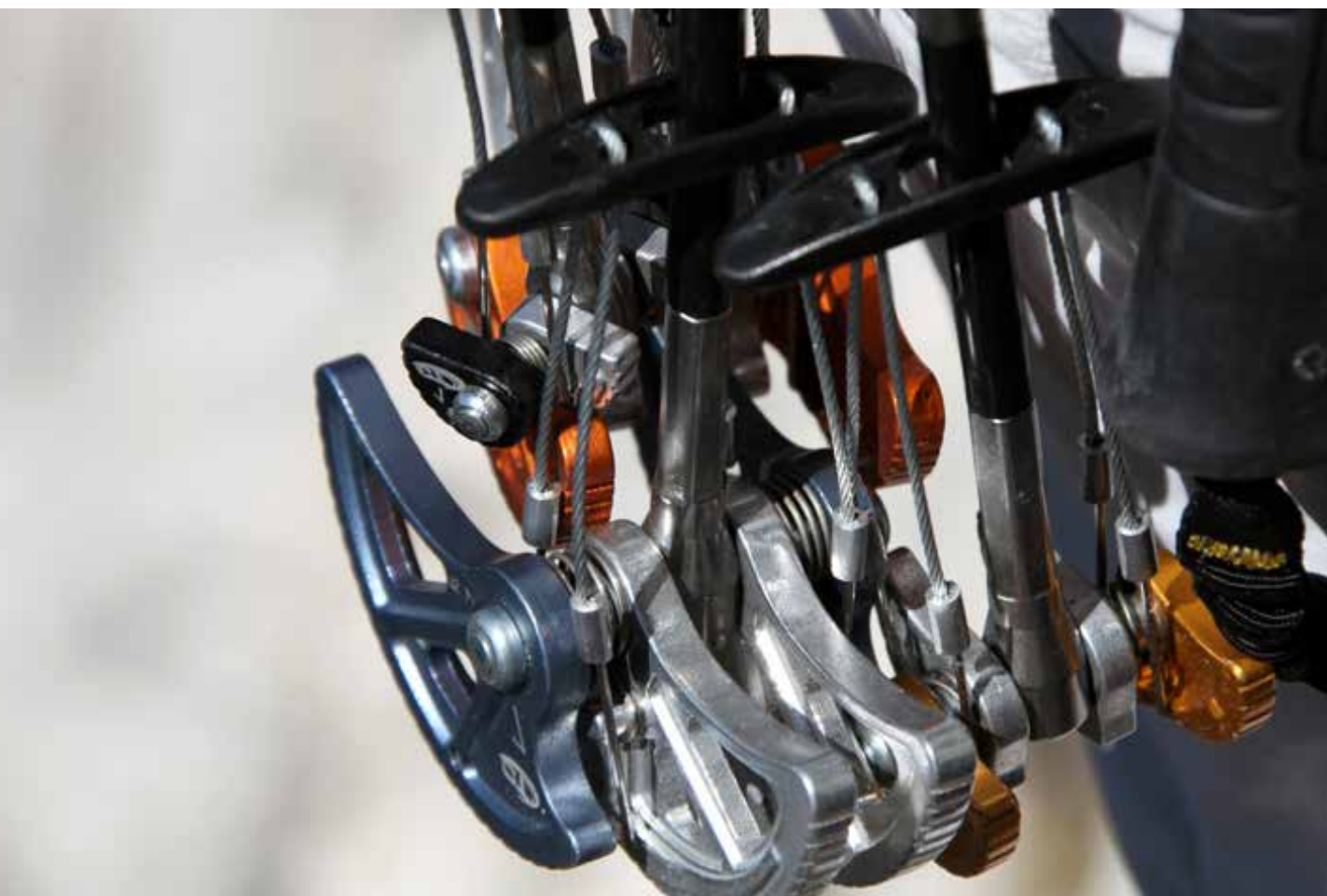


A633

FIFI TOOL

Extremely functional hook in hardened steel. The three holes, used together with a 7 mm cord, allow the adjustment of the positioning distance. The superior hole allows the hauling of a load hanged to a protection, through the connected cord.

Weight: 35 g
Made in Italy



CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

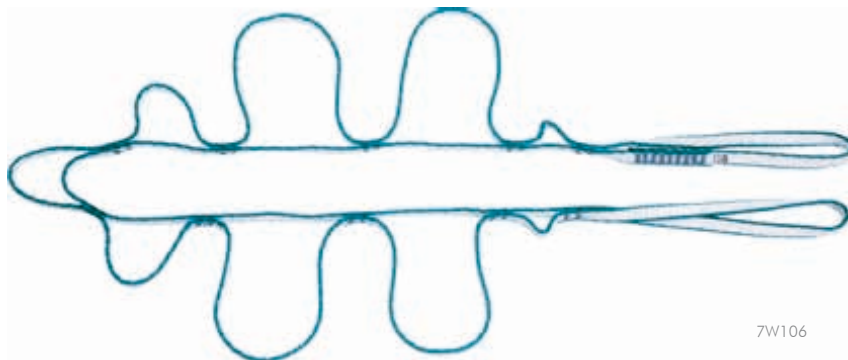
ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



7W106

SYMMETRIC DAISY CHAIN

Innovative dyneema daisy chain 11 mm wide. The symmetrical shape allows to connect it to the harness on both sides. Equipped with large rings which allow easy maneuvers of the rope and can be used as climbing ladder in case of emergency.

Strength: 22 kN. Single loop: 3,5 kN. Weight: 75 g

EN 566:2006 - CE 0333 - Made in Italy

NEW



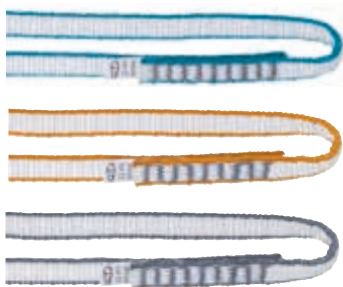
7W127

MULTI CHAIN

Innovative dyneema daisy chain 13 mm wide, made by loops of different colors. Each loop can be individually loaded, eliminating the problem of wrong use with the traditional daisies. More versatile can be used for self belay at the anchor, as a longe for abseiling and for equalizing anchors.

Under certification

Made in Italy



7W103

LOOPER DY

Dyneema loop sling 11 mm wide, available colours gold, gray. Available lengths: 30, 60, 80 and 120 cm. Strength: 22 kN.

EN 566:2006
CE 0333 - Made in Italy







7W107

7W108

LOOPER PA

Polyester HT high strength sling 16 mm wide. Available lengths: 60 cm (anthracite-blue) and 120 cm (grey-gold). Strength 25 kN.

EN 566:2006
CE 0333 - Made in Italy

	Product Name	Ref. No.	kN			Standards	Pg.
	SYMMETRIC DAISY CHAIN	7W106	22 kN	75 g	•	EN 566:2006	94
	MULTI CHAIN	7W127	-	-	-	Under certification	94
















	Product Name	Ref. No.	Lenght	Color		<kN>		Standards	Pg.
	LOOPER DY	7W103030	30 cm	white / blue	13 g	22 kN	•	EN 566:2006	94
		7W103060	60 cm	white / blue	26 g	22 kN	•	EN 566:2006	94
		7W103080	80 cm	white / gray	35 g	22 kN	•	EN 566:2006	94
		7W103120	120 cm	white / gold	50 g	22 kN	•	EN 566:2006	94
	LOOPER PA	7W107	60 cm	anthracite / blue	64 g	25 kN	•	EN 566:2006	94
		7W108	120 cm	gold / gray	126 g	25 kN	•	EN 566:2006	94








	Product Name	Ref. No.	Color	T (cm)	L (cm)			Standards	Pg.
	EYE SHARP	3A253120	zinc plated	12 cm	8 cm	84 g	(P)	EN 569:2007	90
		3A253140	zinc plated	14 cm	18 cm	104 g	(S)		
	EYE ROUND	3A254120	zinc plated	12 cm	8 cm	92 g	(P)	EN 569:2007	90
		3A254140	zinc plated	14 cm	10 cm	108 g	(S)		
	UNIVERSAL	3A250100	zinc plated	10 cm	6 cm	71 g	(P)	EN 569:2007	90
		3A250120	zinc plated	12 cm	8 cm	87 g	(P)		
		3A250150	zinc plated	15 cm	10 cm	112 g	(S)		
	ANGLE WIDE	3A252110	black	11 cm	7,5 cm	82 g	(P)	EN 569:2007	90
		3A251140	black	14 cm	10,5 cm	120 g	(S)		
	ANGLE NARROW	3A251110	black	11 cm	7,5 cm	75 g	(P)	EN 569:2007	90
		3A251140	black	14 cm	10,5 cm	101 g	(S)		
	BLADE	3A255070	black	7 cm	4 cm	48 g	(P)	EN 569:2007	90
		3A255085	black	8,5 cm	5,5 cm	55 g	(P)		
		3A255100	black	10 cm	7 cm	62 g	(P)		
	THUNDER HAMMER KIT	3K620A	orange	-	-	450 g	-	-	91
	HAMMER LODGE	6V520	black/red	-	-	19 g	-	-	91
	TRUCK	6V519	orange	-	-	20 g	-	-	91
	NUTS TOOL	A636	black	-	-	60 g	-	-	93
	FIFI TOOL	A633	black	-	-	35 g	-	-	93

(P) Progression pitons

(S) Safety pitons

	Ref. No	Color	 a	 b	kN			Standards	Pg.
	2A84301	pink	3,9	9,8	2 kN	5,5 g	•	EN 12270:1998	92
	2A84302	orange	4,8	11,5	2 kN	6 g	•		92
	2A84303	bronze	5,9	12	4 kN	15 g	•		92
	2A84304	red	8	13	6 kN	16 g	•		92
	2A84305	yellow	10	14	8 kN	27 g	•		92
	2A84306	light blue	11,8	16	12 kN	29 g	•		92
	2A84307	titanium	13,8	19,8	12 kN	33 g	•		92
	2A84308	green	16,4	21,5	12 kN	35 g	•		92
	2A84309	blue	20	26,2	12 kN	43 g	•		92
	2A84310	violet	23	30,7	12 kN	51 g	•		92
	2A84311	gold	26,5	35	12 kN	65 g	•		92
	2A843410	SET SIZE 4-10						•	92
	2A84399	COMPLETE SET SIZE 1-11						•	92

	Ref. No	Color	MIN  MAX	kN			Standards	Pg.	
	2A84401	black	17	25	5 kN	95 g	•	EN 12276:1998	92
	2A84402	grey	21	30	10 kN	109 g	•		92
	2A84403	orange	30	42	15 kN	119 g	•		92
	2A84404	green	38	56	15 kN	130 g	•		92
	2A84405	blue	47	70	15 kN	146 g	•		92
	2A84406	lobster	58	84	15 kN	191 g	•		92
	2A84407	titanium	68	100	15 kN	207 g	•		92
	2A84408	red	90	130	12 kN	283 g	•		92
	2A84499	COMPLETE SET MIXED COLOURS						•	92
	2A844150	SET SIZE 1 - 5						•	92
	2A844580	SET SIZE 5 - 8						•	92



ANCHORS AND BELAY STATION





4A10308



4A10310



4A10312

PLATE

Multidirectional anchor plate made of AISI 316 stainless steel. Available with hole \varnothing 10 and 12 mm. Strength: 15-25 kN. Conform to: EN 959:1996 - EN795:2000 - A1

Available with hole \varnothing 8 mm. Strength: 15-25 kN, not to be used as a PPE. Made in Italy.



4AVIT08

ANCHOR BOLT 8

Anchor bolt \varnothing 8 mm, made of AISI 304 stainless steel with two expanding elements. For use on limestone rocks of normal hardness. Non suitable for use on sandstone rocks. Ideal for caving. \varnothing 8 mm drilling hole, 80 mm drilling depth. Made in Italy.



4AVIT1066



4AVIT10

ANCHOR BOLT 10

Anchor bolts made of AISI 304 stainless steel. The 4AVIT10 has two expanding elements, \varnothing 10 mm drilling hole, 90 mm drilling depth, for every type of rocks. The 4AVIT1066 has only one expanding element, \varnothing 10 mm drilling hole, 70 mm drilling depth, for hard tight and compact rock. Made in Italy.



4AVIT12

ANCHOR BOLT 12

Anchor bolt \varnothing 12 mm, made of AISI 304 stainless steel, with two expanding elements, for every type of rocks, mild tight rock included. \varnothing 12 mm drilling hole, 105 mm drilling depth. Made in Italy.





4A154

BIG GLUE-IN ANCHOR

Glue-in anchor made of AISI 304 stainless steel to be installed with chemical resin. Ideal for intensive works and for use in corrosive environments. Ø 16 mm drilling hole, 110 mm drilling depth.
Strength: 50-50 kN
Conform to: EN 959:1996 - EN795:2000 - A1 - Made in Italy



4A152

GLUE-IN ANCHOR

Glue-in anchor made of AISI 304 stainless steel to be installed with chemical resin. Ideal use in corrosive environments. Ø 14 mm drilling hole, 80 mm drilling depth.
Strength: 20-30 kN
Conform to: EN 959:2007 - EN795:2000 - A1
Made in Italy



4A151

NEW

GLUE-IN ANCHOR LONGE

Glue-in anchor made of AISI 304 stainless steel to be installed with chemical resin. Ideal for use on soft stone and for use in corrosive environments. Ø 14 mm drilling hole, 110 mm drilling depth.
Strength: 20-30 kN
Conform to: EN 959:2007
Made in Italy



4A150A

4A150B

GLUE-IN RING-S

Glue-in anchor made of AISI 304 stainless steel to be installed with chemical resin. Equipped with one or two rings, having inner diameter 40 mm. Used in pairs, it allows a belay station to be created. Ø 14 mm drilling hole, 80 mm drilling depth.

Strength: 20-30 kN
Conform to: EN 959:2007
Made in Italy



4A151A

4A151B

GLUE-IN RING-S

Glue-in anchor made of AISI 304 stainless steel to be installed with chemical resin. Equipped with one or two rings having inner diameter 40 mm. Used in pairs, it allows a belay station to be created. Ø 14 mm drilling hole, 110 mm drilling depth.

Strength: 20-30 kN
Conform by: EN 959:2007
Made in Italy

CARABINERS AND
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PLATES BELAY STATION

Belay station entirely made of AISI 304 stainless steel. It is composed of two plates (Ø 10 mm drilling hole), a linking chain and a lowering ring Ø 40 mm. Also available with zinc plated steel lowering carabiner (Ref. No. 4A206) or stainless steel lowering carabiner (Ref. No. 4A210).

Available also equipped with V shaped linking chain and lowering central ring (N° Art. 4A214)

Strength: 15-25 kN
Conform to: EN 959:2007 - EN795:2000 - A1
Made in Italy



GLUE-IN BELAY STATION

Belay station entirely made of AISI 304 stainless steel. It is composed of two glue-in anchors (Ø 14 mm drilling hole, 80 mm drilling depth), a linking chain and a lowering ring Ø 40 mm (Ref. No. 4A211). Also available with zinc plated steel lowering carabiner (Ref. No. 4A209) or stainless steel lowering carabiner (Ref. No. 4A212).

Strength: 20-30 kN
Conform to: EN 959:2007 - EN795:2000 - A1
Made in Italy



CAVING ANCHORAGE


























Anchor for caving, composed by a perforated light alloy plate and a Dyneema cord having length 1 m and diameter Ø 5,5 mm. Supplied with 8 mm hexagonal screw and O-ring. Maximum load: 10 kN.
Made in Italy



BOLT LOADER

Hardened steel bolt loader, suitable for fixing self drilling bolt with M8 screw. Handle equipped with housing for hexagonal wrench n° 13.

Weight: 270 g
Made in Italy

	Product Name	Ref. No.		\wedge kN \vee	< kN >		Standards	Pg.
	PLATE 8	4A10308	46 g	10 kN	10 kN	-	Not to be used as a PPE	100
	PLATE 10	4A10310	45 g	25 kN	15 kN	•	Conform to: EN 959:1996 EN795:2000 - A1	100
	PLATE 12	4A10312	42 g	25 kN	15 kN	•	Conform to: EN 959:1996 EN795:2000 - A1	100
	ANCHOR BOLT 8	4AVIT08	33 g	-	-	-	-	100
	ANCHOR BOLT 10	4AVIT1066	49 g	-	-	-	-	100
		4AVIT10	62 g	-	-	-	-	100
	ANCHOR BOLT 12	4AVIT12	100 g	-	-	-	-	100
	BIG GLUE-IN ANCHOR	4A154	192 g	50 kN	50 kN	•	Conform to: EN 959:2007 EN795:2000 - A1	101
	GLUE-IN ANCHOR	4A152	98 g	30 kN	20 kN	•	Conform to: EN 959:2007 EN795:2000 - A1	101
	GLUE-IN ANCHOR LONG	4A151	117 g	20 kN	30 kN	-	Conform to: EN 959:2007	101
	GLUE-IN RING-S	4A150A	155 g	30 kN	20 kN	•	Conform to: EN 959:2007	101
		4A150B	215 g	30 kN	20 kN	•		101
	GLUE-IN RING-L	4A151A	177 g	20 kN	30 kN	•	Conform to: EN 959:2007	101
		4A151B	237 g	30 kN	20 kN	•		101
	PLATES BELAY STATION	4A205 Two rings	-	25 kN	15 kN	•	Conform to: EN 959:2007	102
		4A206 Zinc plated carabiner	-	25 kN	15 kN	•		102
		4A210 Stainless carabiner	-	25 kN	15 kN	•		102
		4A214 One ring	-	-	-	-		102
	GLUE-IN BELAY STATION	4A211 Two rings	-	30 kN	20 kN	•	Conform to: EN 959:2007	102
		4A209 Zinc plated carabiner	-	30 kN	20 kN	•		
		4A212 Stainless carabiner	-	30 kN	20 kN	•		
	CAVING ANCHORAGE	2A623A	-	-	10 kN	-	-	102
	BOLT LOADER	A635	-	-	-	-	-	102



ICE AXES AND CRAMPONS





FLY HOOK

Icefall climbing technical tool:

- black cataphoresis hardened steel head, available with balance weights (Ref. No. 31817), or hammer (Ref. No. 31816) or adze (Ref.No. 31815) head options;
- tapered anodized light alloy shaft with rubber cover. The pronounced curve of the shaft ensures for optimal hooking.
- trigger (Ref. No. 61793 - Bumper) included.

Optional accessories specified beside the pictures.

Weight: Fly Hook Light/ Adze 520 g, Hammer 530 g

EN 13089:2011 - Type 2
CE 0333 - Made in Italy



DRON

Technical ice axe for north faces and goulottes:

- ergonomic hot forged cataphoresis black steel head to provide a secure handhold;
- tapered anodized light alloy shaft with straight lower section for easier plunging in the snow.

Available lengths: 52 cm (475 g), 59 cm (500 g), 66 cm (525 g)

EN 13089:2011 - Type 2
CE 0333 - Made in Italy



HOUND G

Classic ice axe for trekking and mountaineering:

- ergonomic hot forged cataphoresis black steel head providing a secure handhold;
- tapered anodized light alloy shaft, with rubber cover, equipped with a new spike at the base;
- comes complete with its own ice axe leash (Ref. No. DRAGON16).

Available lengths: 50 cm (455 g), 60 cm (480 g), 70cm (515 g)

EN 13089:2011 - Type 2
CE 0333 - Made in Italy



ALPIN TOUR

A robust general walking axe:

- hardened steel cataphoresis black head;
- tapered anodized light alloy shaft, with rubber cover equipped with a new spike at the base;
- comes complete with its own ice axe leash (Ref. No. DRAGON16).

Alpin Tour G: available lengths 50 cm (610 g), 60 cm (640 g), 70 cm (660 g)

Alpin Tour: available lengths: 50 cm (590 g), 60 cm (610 g), 70 cm (632 g)

AlpinTour Light: available lengths 50 cm (354g), 60 cm (383 g), 70 cm (415 g)

EN 13089:2011 - Type 1 (21862)
EN 13089:2011 - Type 2 (31813 - 31863)
CE 0333 - Made in Italy



Piz Palù, Italy © Paolo Calza



WHIPPY I
7W121



WHIPPY Y
7W122

WHIPPY I - Y

Elastic ice tool sling-holders:

- designed for leashless ice climbing, it prevents the risk of dropping your ice tool;
- the high extensibility of the arms allows performing maneuvers without impediment.

Attention! This product is not intended for human support!
NOT to be used as a PPE!

Weight: version I 55 g, version Y 95 g
Made in Italy

CARABINERS AND
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AGILE ICE AXE
21855



AGILE ICE AXE
31849

AGILE ICE AXE

Ice axe for ski-touring competition:

- ice axe for ski-touring competition;
- weightless, compact and strong;
- entirely made form anodized light alloy;
- also available as part of the safety kit ASD Light Kit (Ref. No. 2K855).

Weight: 195 g

EN 13089:2011 - Type 1

CE 0333 - Made in Italy

AGILE PLUS ICE AXE

Ice axe for alpinism and ski-touring:

- extremely versatile, compact and strong;
- anodized light alloy shaft, hardened steel head and stainless steel spike;
- also available as part of the safety kit ASD Plus Kit (Ref. No. 3K849).

Available lengths: 45 cm (315 g), 55 cm (350 g)

EN 13089:2011 - Type 2

CE 0333 - Made in Italy



ASD LIGHT KIT
2K855



ASD PLUS KIT
2K849

ASD KIT LIGTH - PLUS

Snow safety system for alpinism and ski-touring:

- composed of ice axe, shovel and D-Man;
- the ice axe fits into the shovel forming a solid handle to provide maximum leverage;
- the shovel, can be used as a snow-anchor connecting the included wire cable.

The kit comes complete with its own net bag.

Weight: version Light Kit 700 g, version Plus Kit 820 g
Made in Italy



AGILE PICK COVER
61798



WIRE CABLE
41795



SHOVEL
LPA849-SSCT

ASD SPARE PARTS



6179006

HEAD COVER

Head cover protection, intended for protecting your gear during transportation, designed to fit onto any ice axe.



6179106

PICK COVER

Pick cover protection, intended for protecting your gear during transportation, designed to fit onto any ice axe.



6179206

SPIKE COVER

Spike cover protection, intended for protecting your gear during transportation, designed to fit onto any ice axe.



DRAGON 16

DRAG - TOUR

Adjustable ice axe leash comes with a comfortable wrist support and length adjustment buckle.



DRAGON 17

DRAG - TECH

Adjustable leash for technical tools, allows to fix open the eyelet for your wrist, and includes a ring buckle which allows you to free your wrist using one hand only.



61793

BUMPER

Finger protection.
For model FLY HOOK, HOUND G, ALPINTOUR G and DRO.



Patagonia, Argentina © Malileo Bernasconi

CARABINERS AND QUICKDRAWS

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31837

ICE SCREW

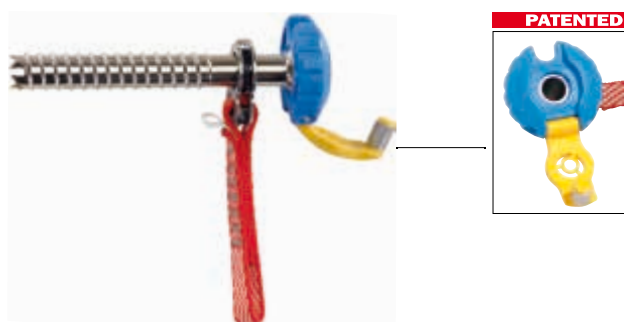
Classic hardened steel tubular ice screw:

- four split end outside teeth, conical threaded screw ensuring a firm bite into the ice;
- wide eyelet on the tail to ease the clipping of the quickdraw;
- available in three lengths 10 cm (130 g), 15 cm (155 g), 19 cm (190 g).
The 10 cm lengths is not a PPE.

EN 568:1997

CE 0333

Made in Italy



31836

REVOLVE STEEL SCREW

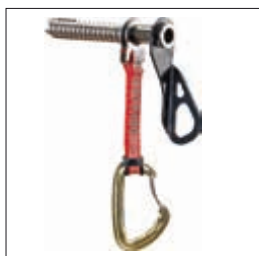
Innovative tubular hardened steel ice screw including the PATENTED fast screwing system:

- it allows you to wind-in the screw into vertical ice, keeping the arm outstretched, thus granting a considerable saving of energy;
- the shape of the head allows you to wind-in the screw keeping a constant pressure with your hand;
- four split end outside teeth, conical threaded screw ensuring a firm bite into the ice;
- foldaway ergonomic handle to allow an easy wind-in and unscrew maneuver;
- equipped with a dyneema quickdraw Ice Hook (Carabiner not included).
- available lengths 15 cm (84 g), 19 cm (104 g).

EN 568:1997

CE 0333

Made in Italy



2E672

ICE HOOK

Dyneema quickdraw for ice screws:

- allows connection between quick draw and ice screw, for securing the rope, just after a short insertion in to the ice;
- makes it simpler to wind-in the ice screw and prevents it dropping during extraction;
- the loop that supports the sling can move freely along the screw, minimizing the force generated onto the screw in case of a bad fall;
- can fit onto any ice screw having a maximum diameter of 20 mm.
- available with sling 12 cm (65 g) o 17cm (68 g)

Resistenza 22kN

EN 566

CE 0333

Made in Italy



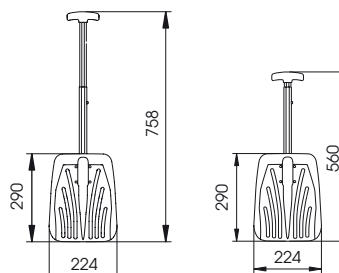
21839

SNOW DIGGER

Snow shovel for alpinism and ski-touring:

- compactable telescopic T shaped handle;
- robust detachable metal blade.

Weight: 640 g
Made in Italy



2183007

PROBE FINDER

Light alloy probe composed of seven sections \varnothing 11 mm. Quick screw tensioning system. Bag included.

Weight: 280 g
Made in Italy



2183107

PROBE FINDER LIGHT

Light alloy probe composed of seven sections \varnothing 9,5 mm. Quick screw tensioning system. Bag included.

Weight: 180 g
Made in Italy



21838

SNOW ANCHOR

Light alloy tubular snow anchor with steel wire cable connection.

Available lengths 50 cm (230 g), 80 cm (350 g) 100 cm (410 g).

CARABINERS AND
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LYCAN
SEMIAUTOMATIC
31834A



LYCAN
AUTOMATIC
31835A

NEW

LYCAN

12 point technical crampons:

- designed for technical mountaineering, goulottes and ice climbing;
- hardened, painted steel frame structure;
- piercing armored T shape front spikes for excellent penetration in hard ice;
- innovative macro-setting system to quickly switch from EU 36÷43 size range to EU 42÷47;
- new double lever system for size adjustment, easy to operate with one hand only;
- dovetailed exchangeable antibotts, equipped with bellows to prevent snow build-up beneath the crampon.
- available in the versions: semiautomatic (offers a quick fit heel clip with tough plastic front straps for boots with a compatible sole unit) or automatic (offers a quick fit heel clip with a front toe bail for boots with a compatible sole unit);
- Canvas storage bag included.

Weights: Semiautomatic version: 1060 g, Automatic version: 1030 g.

Boot size: EU 36÷47

EN 893:2010

CE

Made in Italy



Piercing armored T shape front spikes for excellent penetration in hard ice.



New double lever system for size adjustment, easy to operate with one hand only.

LYCAN



1



2



3

Innovative macro-setting system to quickly switch from EU 36÷43 size range to EU 42÷47.



NUPTSE EVO SEMIAUTOMATIC
31844A

NEW



NUPTSE EVO AUTOMATIC
31845A

NUPTSE

12 point crampons for alpinism, goulottes and mixed climbing:

- made from tempered painted steel;
- shaped frontal points to enhance progression on slopes;
- innovative macro-setting system to quickly switch from EU 36÷43 size range to EU 42÷47;
- new double lever system for size adjustment, easy to operate with one hand only;
- dovetailed exchangeable antibotts, equipped with bellows to prevent snow build-up beneath the crampon.
- classic version come with tough plastic heel cradle and toe strap that will fit any stiffened winter boot;
- available also in the versions: semiautomatic (offers a quick fit heel clip with tough plastic front straps for boots with a compatible sole unit) or automatic (offers a quick fit heel clip with a front toe bail for boots with a compatible sole unit);
- Canvas storage bag included.

Weights: Classic version: 945 g, Semiautomatic version: 1000 g, Automatic version: 995 g.
Boot size: EU 36÷47

EN 893:2010
CE
Made in Italy



Monte Bianco, France © Paolo Calzà

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31818A

NEVIS

10 point crampons for glacier travel and mountaineering:

- made from tempered painted steel;
- shaped frontal points to enhance progression on slopes;
- four orthogonal retaining points to grant stability whilst walking downhill;
- tough plastic heel cradle and toe strap that will fit any stiffened winter boot;
- come complete with fitted anti-balling plates.
- come with two rapid adjustment size bars, designed so that the crampons will fit a boot from Eu size 36 to 46.

Weight: 820 g

Boot size: EU 34 ÷ 47

EN 893:1999

CE

Made in Italy



ICE CLASSIC
31882A



ICE
SEMIAUTOMATIC
31883A



ICE
AUTOMATIC
31884A

ICE

Classic 12 point crampons for technical alpinism and glacier travels:

- made from tempered embossed painted steel;
- shaped frontal points to enhance progression on slopes;
- come complete with fitted softy-flexi anti-balling plates;
- classic version come with tough plastic heel cradle and toe strap that will fit any stiffened winter boot.
- also available in the versions: semiautomatic (offers a quick fit heel clip with tough plastic front straps for boots with a compatible sole unit) or automatic (offers a quick fit heel clip with a front toe bail for boots with a compatible sole unit);
- Canvas storage bag included.

Weight: Classic versions: 980 g, Semiautomatic versions: 1030 g, Automatic versions: 1038 g.

Boot size: EU 36 ÷ 46

EN 893:1999

CE

Made in Italy



PRO LIGHT CLASSIC
21876A



PRO LIGHT SEMIAUTOMATIC
21877A



PRO LIGHT AUTOMATIC
21878A

PRO LIGHT

Lightweight 12 point crampons for technical alpinism and glacier travels:

- made from anodized light alloy;
- shaped frontal points to enhance progression on snow slopes.
- come complete with fitted softy-flexi anti-balling plates;
- classic version come with tough plastic heel cradle and toe strap that will fit any stiffened winter boot;
- also available in the versions: semiautomatic (offers a quick fit heel clip with tough plastic front straps for boots with a compatible sole unit) or automatic (offers a quick fit heel clip with a front toe bail for boots with a compatible sole unit);
- Canvas storage bag included.

Weight: Classic versions: 660 g, Semiautomatic versions: 700 g, Automatic versions: 710 g.

Boot size: EU 36 ÷ 46

EN 893:1999

CE

Made in Italy



6V834

ANTIBOTT LYCAN - NUPTSE EVO

Spare polyuretane antibotts, with great flexibility and abrasion resistant.



6V816

ANTIBOTT ICE - PROLIGHT

Spare polyuretane antibotts, with great flexibility and abrasion resistant.



6V825

ANTIBOTT NEVIS

Spare polyamide antibotts, abrasion resistant. Included rivets and stamp.



KSACNYL02

CRAMPON BAG

Carrying bag suitable to contain all the crampon models available in the catalogue. Made of strong fabric, with Velcro closer and opening rings.



31794

LONG BAR

Bar for twelve points crampons, made of hardened steel. It allows to extend the crampons size up to number EU 50 / US 14. Compatible with models Nevis, Nuptse and Ice.

CARABINERS AND QUICKDRAWS

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MINI CRAMPON 4P
31892



MINI CRAMPON 6P
31891 A0

MINI CRAMPON 4P / 6P

4 and 6 point crampons for low grade winter hikes provide extra grip on iced and snowy footpaths.

Weight version 4P: 147 g, version 6P: 228 g.

Attention! NOT to be used as a PPE.

Made in Italy



S



M



L



XL

31811

ICE TRACTION CRAMPONS

Ten-point anti-slip hiking crampons:

- provide extra grip on iced, snowy, grassy pathways or ice crossings on an alpine footpath;
- ideal when you really need some extra grip, but can't justify crampons;
- the silicon band assures an easy and safe wear over any kind of shoes;
- stainless steel chains and hardened steel points with anti balling junctions;
- fastening Velcro sling complete of size indication;
- available in three sizes to fit shoes from Eu size 35 to 48.

Attention! NOT to be used as a PPE. Storage bag included

Weights: S: 224 g, M: 235 g, L: 244 g, XL: 228 g.
Made in P.R.C.

NEW





GAITERS CLASSIC

Classic gaiter for alpinism and winter trekking:

- made from 500D Nylon waterproof and abrasion resistant fabric;
- double fastening: Velcro and YKK zipper;
- the boot end of the gaiters is shaped to fit onto any winter boot.

CARABINERS AND
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ADVENTURE
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Marmolada, Italy © Marnico dell'Agnola

	Product Name	Ref. No	Lenght		Standards		Pg.
	FLY HOOK LIGHT	31817	50 cm	520 g	EN 13089:2011 - Type 2	•	106
	FLY HOOK HAMMER	31816	50 cm	530 g	EN 13089:2011 - Type 2	•	106
	FLY HOOK ADZE	31815	50 cm	520 g	EN 13089:2011 - Type 2	•	106
	DRON	3181452	52 cm	475 g	EN 13089:2011 - Type 2	•	106
		3181459	59 cm	500 g			
		3181466	66 cm	525 g			
	HOUND G	3181250	50 cm	455 g	EN 13089:2011 - Type 2	•	106
		3181260	60 cm	480 g			
		3181270	70 cm	515 g			
	ALPIN TOUR G	3181350	50 cm	610 g	EN 13089:2011 - Type 2	•	107
		3181360	60 cm	640 g			
		3181370	70 cm	660 g			
	ALPIN TOUR	3186350	50 cm	590 g	EN 13089:2011 - Type 2	•	107
		3186360	60 cm	610 g			
		3186370	70 cm	632 g			
	ALPIN TOUR LIGHT	2186250	50 cm	354 g	EN 13089:2011 - Type 1	•	107
		2186260	60 cm	384 g			
		2186270	70 cm	415 g			
	AGILE ICE AXE	21855	45 cm	195 g	EN 13089:2011 - Type 1	•	108
	AGILE PLUS ICE AXE	3184945	45 cm	315 g	EN 13089:2011 - Type 2	•	108
		3184955	55 cm	350 g			
	ASD LIGHT KIT	2K855	50 cm	700 g	-	•	108
	ASD KIT PLUS	3K849	50 cm	820 g	-	•	108

	Product Name	Ref. No		Pg.
	AGILE PICK COVER	61798	520 g	108
	WIRE CABLE It is not a PPE	41795	530 g	108
	SHOVEL	LPA849-SSCT	-	108
	HEAD COVER	6179006	40 g	109
	PICK COVER	6179106	20 g	109
	SPIKE COVER	6179206	20 g	109
	BUMPER	61793	-	109
	DRAG - TOUR	DRAGON 16	-	109
	DRAG - TECH	DRAGON 17	-	109
	WHIPPY - I	7W121	55 g	107
	WHIPPY - Y	7W122	99 g	107

	Product Name	Ref. No	Lenght		<kN>	Standards	Pg.
	ICE SCREW	3183710	10 cm	130 g	-	It is not e PPE	110
		3183715	15 cm	155 g	10 kN	EN 568:1997	
		3183719	19 cm	180 g	10 kN	EN 568:1997	
	REVOLVE STEEL SCREW	3183615	15 cm	84 g	10 kN	EN 568:1997	110
		3183619	19 cm	104 g			
	ICE HOOK	2E67212	12 cm	65 g	22 kN	EN 566:2006 EN 12275:1998-B	110
		2E67217	17 cm	68 g			110
	SNOW DIGGER	21839	75,8 cm	640 g	-	-	111
	PROBE FINDER Ø 11	2183007	total 280 cm	280 g	-	-	111
	PROBE FINDER LIGHT Ø 9,5	2183107	total 280 cm	180 g	-	-	111
	SNOW ANCHOR	21838 050 S	50 cm	230 g			111
		21838 080 M	80 cm	350 g			
		21838 100 L	100 cm	410 g			

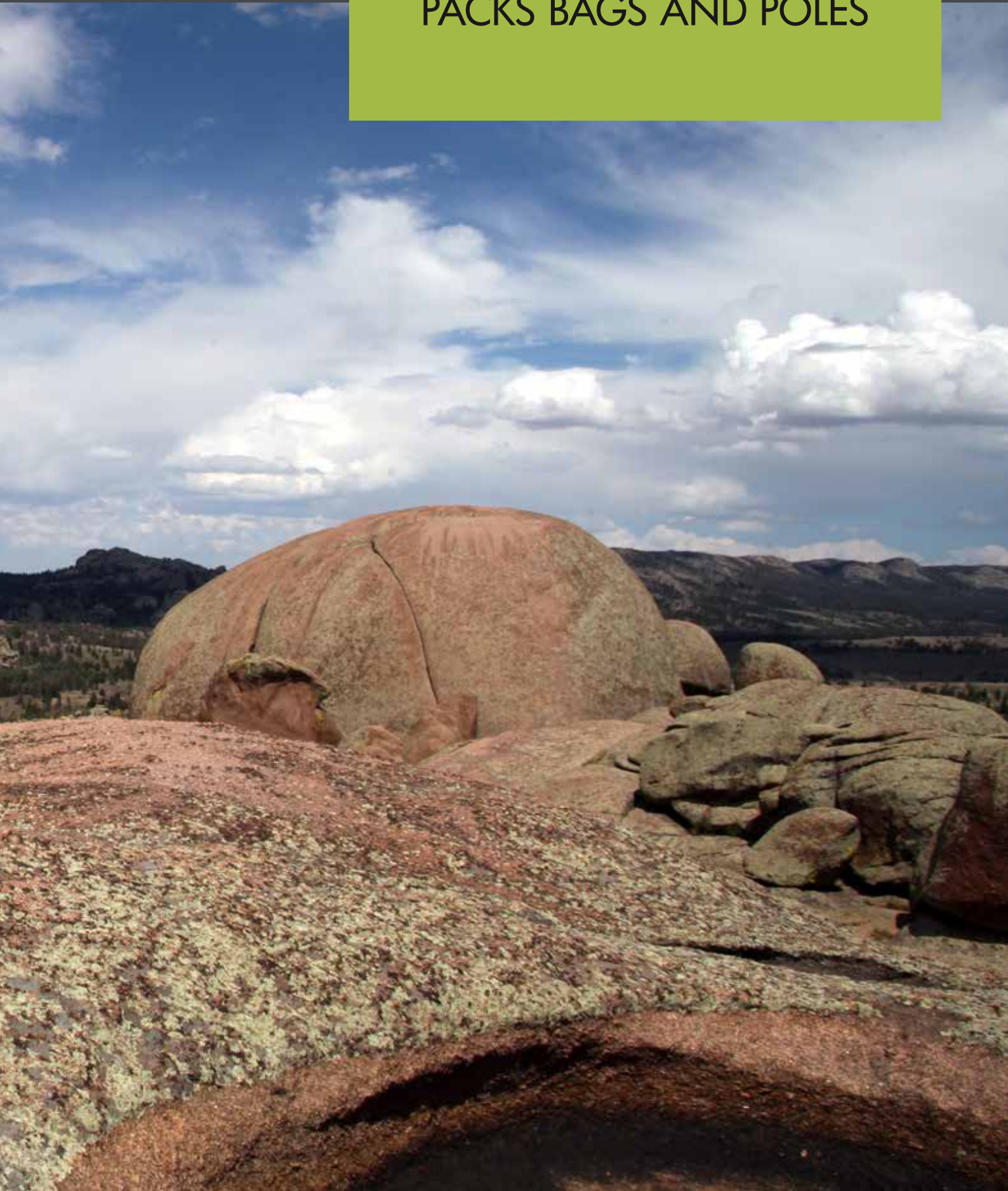
	Product Name	Ref. No		Boot size		Standards	Pg.
	LYCAN SEMIAUTOMATIC	31834A	1060 g	EU 36 ÷ 47 US 4,5 ÷ 12,5	•	EN 893:2010	112
	LYCAN AUTOMATIC	31835A	1030 g		•		
	NUPTSE EVO	31843A	945 g	EU 36 ÷ 47 US 4,5 ÷ 12,5	•	EN 893:2010	113
	NUPTSE EVO SEMIAUTOMATIC	31844A	1000 g		•		
	NUPTSE EVO AUTOMATIC	31845A	995 g		•		
	NEVIS	31818A	820 g	EU 34 ÷ 47 US 3,5 ÷ 12,5	•	EN 893:1999	114
	ICE CLASSIC	31882A	980 g	EU 36 ÷ 46 US 4,5 ÷ 12	•	EN 893:1999	114
	ICE SEMIAUTOMATIC	31883A	1.030 g		•		
	ICE AUTOMATIC	31884A	1.038 g		•		
	PRO LIGHT	21876A	660 g	EU 36 ÷ 46 US 4,5 ÷ 12	•	EN 893:1999	115
	PRO LIGHT SEMIAUTOMATIC	21877A	700 g		•		
	PRO LIGHT AUTOMATIC	21878A	710 g		•		



	Product Name	Ref. No		Boot size	Pg.
	MINI CRAMPON 4P	3I892 A0	147 g	Uni size	116
	MINI CRAMPON 6P	3I891 A0	228 g	Uni size	116
	ICE TRACTION CRAMPONS	3I811 B0	225 g	EU 35 ÷ 37 US 3,5 ÷ 5	116
		3I811 C0	235 g	EU 38 ÷ 40 US 6 ÷ 7,5	116
		3I811 D0	245 g	EU 41 ÷ 43 US 8 ÷ 9	116
		3I811 E0	250 g	EU 44 ÷ 47 US 10,5 ÷ 13	116
	ANTIBOTT	6V834	100 g	For model LYCAN: 3I834A - 3I835A For model NUPTSE EVO: 3I843A - 3I844A 3I846A	115
	ANTIBOTT	6V816	102 g	For model ICE: 3I882A - 3I883A - 3I884A For model PROLIGHT: 2I876 - 2I877- 2I878	115
	ANTIBOTT	6V825	75 g	For model NEVIS: 3I818A	115
	CRAMPON BAG	KSACNYL02	-	-	115
	LONG BAR	3I794	-	-	115
	GAITER CLASSIC	7X940	270 g	-	117



PACKS BAGS AND POLES





7X975



LIMESTONE 28

A compact easy-to-fill sport climbing rucksack with clean lines:

- constructed of light, strong fabric;
- two zips: wide top zip for easy loading, zip in back for easy access;
- rapid-drying mesh shoulder straps and back.

Available colors: green, orange and black.

Volume: 28 L (450 g)

Made in Vietnam

NEW



7X977



GRANITE 25-35

Technical rucksack for mountaineering and alpinism, with a minimalist design and fastening loops for correctly positioning equipment:

- made of a combination of light and robust fabrics;
- ergonomic shoulder straps and back made of quick drying mesh, removable hip belt;
- zip built into back for easy access;
- side straps can be folded away and two convenient gear retaining loops;
- external daisy chains.

Available colors: orange and black.

Volumes available: 25 L (800 g), 35L (900 g)

Made in Vietnam

NEW



7X979

NEW

MAGMA 35-45

Technical rucksack for mountaineering and ski mountaineering, spacious but clean design with attachments for ice tools and skis:

- made of robust rip-stop tissue;
- ergonomic shoulder straps and back made of quick drying mesh, removable hip belt;
- zip built into back for easy access;
- Roll-top closure and removable top;
- side straps can be folded away and two convenient tool carrying loops with protection for picks;
- external daisy chains.

Available color: black.

Volumes available: 35 L (1100 g), 45 L (1200 g).

Made in Vietnam



Patagonia, Argentina © Mirko Maré

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



7X96970

ZENITH HAUL BAG

Haul bag designed specifically for big-wall climbing and expeditions:

- generous volume of 70 L, expandable to 85 L;
- made from durable Valmex fabric (polyester coated PVC);
- haul webbing in two different lengths;
- roll-up closure for easy access and packing;
- ergonomic removable shoulder straps and hip belt - back panel;
- two gear loops and zip pocket inside, two vertical frontal handles;
- bag-bottom cross webbing attachment points for clipping a portaledge or a sub-bag

Weight: 2700 g
Made in Europe



7X96940

CRAGGY HAUL BAG

Haul bag designed specifically for a big-wall day climbing, as rucksack for alpine routes and for carrying the equipment:

- generous volume of 40 L, expandable to 50 L;
- made from durable Valmex fabric (polyester coated PVC);
- haul webbing in two different lengths;
- roll-up closure for easy access and packing;
- ergonomic removable shoulder straps and hip belt - back panel;
- two gear loops and zip pocket inside, two vertical frontal handles;
- bag-bottom cross webbing attachment points for clipping a portaledge or a subbag.

Peso: 1900 g
Made in Europe



Aircraft hand baggage allowance



7X967

FALESIA

A sport cragging duffel pack, that carries your essential gear for a free-climb day-off on the crag, and it can also be used as hand luggage when you travel.

- full-length zipper on the back that allows quick access and easy filling;
- PVC fabric frontal side, that stay in contact with the ground and allows to keep always clean the shoulder straps and the back;
- for travel mode, just hide the shoulder straps and webbing hip belt in their apposite pockets and extract a comfortable folding handle;
- generous volume of 45 L and a large rope tarp included.

Weight: 1000 g
Made in P.R.C.



7X972

MAGIC PACK

Folding lightweight backpack for multi-pitch climbing routes, light hiking or leisure:

- easily packable in its pocket, it can be used as a climbing pack on the wall;
- made of strong Nylon Ripstop fabric, with water-proof zippers;
- volume of 16 L, suitable to contain a 60 m rope.

Weight: 250 g
Made in P.R.C.



NEW

7X963

TANK ROPE BAG

Innovative compact rope bag / rucksack and wide sheet with central well to hold rope during transport and use:

- robust fabric;
- broad integrated sheet, with mat to clean shoes and loops for tying ends of rope to;
- front made of tough waterproof PVC to place against ground, so straps and back stay clean;
- spacious external pocket;
- holds 80 m single rope and accessories.

Weight: 580 g
Made in P.R.C.



7X970

WHALE TRAVEL BAG 85L

Generous travel duffel designed to carry your expedition gear or your complete

- stuff for a climbing holiday around the world:
- large, dual-zippered access for easy packing;
 - made in durable polyester coated PVC fabric;
 - two padded, removable backpack-style shoulder straps;
 - internal side mesh pockets.

Weight: 2000 g
Made in P.R.C.



6X96140

UTILITY BACKPACK

Strong carrying bag for rescue use, caving use or for carrying the equipment:

- made of POLIMAR® fabric (polyester coated PVC), extremely strong and resistant to abrasion;
- waist belt, shoulder straps and back panel padded and comfortable;
- large top opening for easy filling;
- zip pocket inside the cap for documents and personal effects
- generous volume of 40 L.

Weight: 900 g
Made in Europe



6X960

CARRIER

Strong carrying bag for rescue use, caving use or for carrying the equipment:

- made of POLIMAR® fabric (polyester coated PVC), extremely strong and resistant to abrasion;
- large top opening for easy filling;
- inside zip pocket with Velcro closure for documents and personal effects;
- available in the 37 or 22 L versions.

Weight: 37 L: (700 g) e 22 L: (500 g)
Made in Europe

CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION

ICE AXES AND
CRAMPONS

PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

WEAR



NEW

2V104

ALTA VIA

Poles for hiking and trekking, lightweight and compact.

Technical details:

- three parts made of Alu7075 with Easy-Lock system and regulation (ø 16/14/12 mm);
- Eva-grip handle with easily adjustable strap;
- carbide Widia tip, supplied with trekking and ski basket.

Weight: 235 g
Length: 66-135 cm
Made in P.R.C.



NEW

8V106

ACTIVE TREK

Poles for committed trekking, strong and lightweight.

Technical details:

- two parts made of carbon fiber and final part made of Alu7075 with Twist-Lock system and regulation (ø 17,6/15,1/14 mm);
- Eva-grip handle with easily adjustable strap;
- carbide tip, supplied with trekking and ski basket.

Weight: 245 g
Length: 66-135 cm
Made in P.R.C.



Cerro Waiwalun, Chile © Mirko Masè



NEW

2V105

ALPINE ROUTE

Technical poles for trekking, trail-running and approach, foldable and adjustable.

Technical details:

- Three foldable parts with bayonet mount and upper part with Easy-Lock system and regulation, all made of Alu7075 (ø 16/16/16/14 mm);
- Eva-grip handle with easily adjustable strap;
- Carbide Widia tip, supplied with trekking and ski basket.

Weight: 255 g

Length: 115-130 cm, folded 44,5 cm.

Made in Italy



NEW

8V107

TECH MOUNTAIN

Top range technical poles for committed trekking and intensive use, ultralight and strong.

Technical details:

- first part made of Alu7075 and two parts made of carbon fiber with Twist-Lock system and regulation (ø 16-14-12 mm);
- Eva-grip handle with easily adjustable strap;
- Carbide Widia tip, supplied with trekking and ski basket.

Weight: 186 g

Length: 66-142 cm

Made in Italy



CARABINERS AND
QUICKDRAWS

ROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGS

ANCHORS AND
BELAY STATION













ICE AXES AND
CRAMPONS






PACKS BAGS
AND POLES

ROPES, CHALK
AND ACCESSORIES

ADVENTURE
PARK

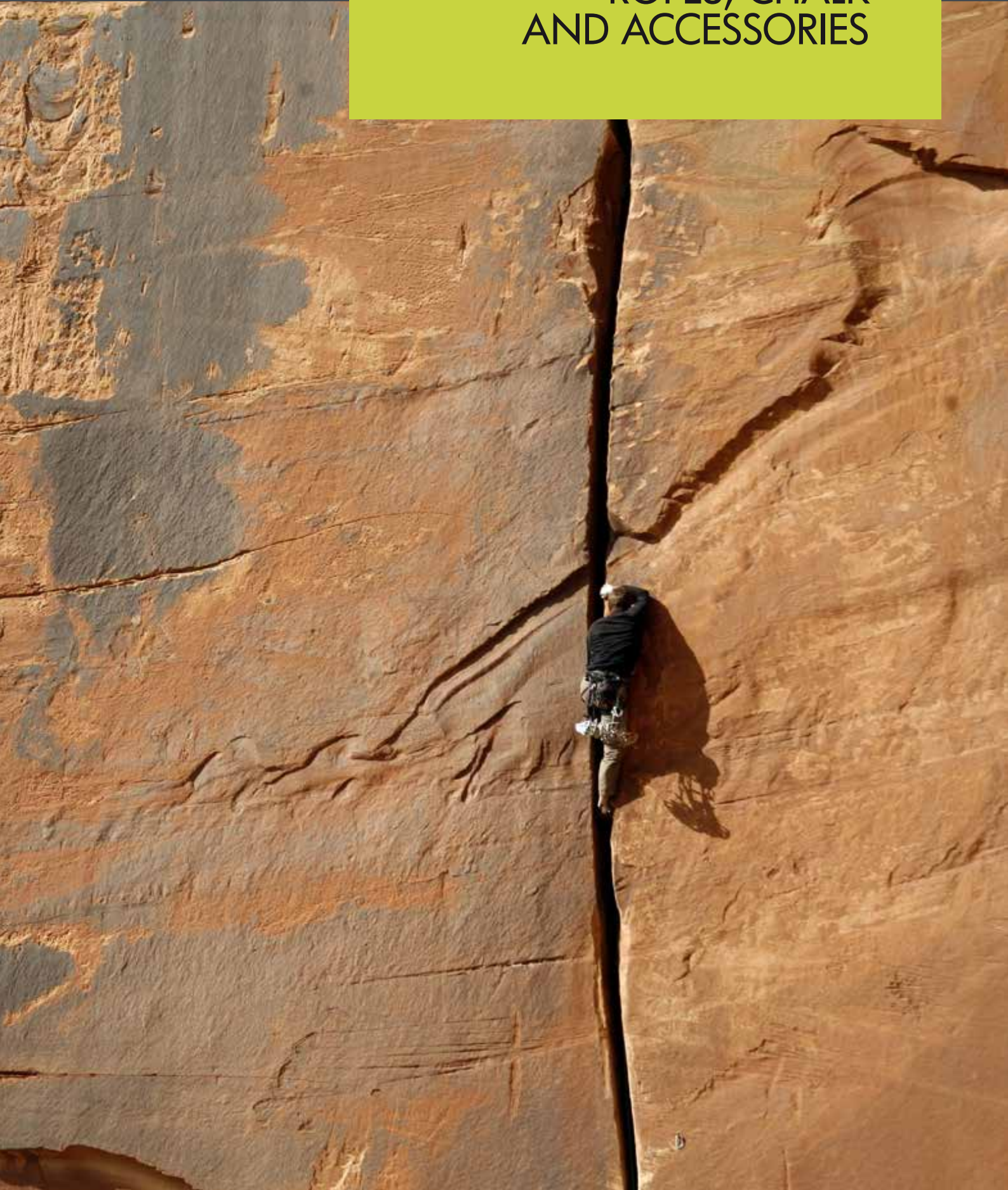
WEAR

	Product Name	Ref. No			Liters	Pg.
	LIMESTONE	7X97528 05	■	450 g	28 L	126
		7X97528 01	■			
		7X97528 09	■			
	GRANITE	7X97725 05	■	800 g	25-35 L	126
		7X97725 01	■			
		7X97735 05	■	900 g		
		7X97735 01	■			
	MAGMA	7X97935		1100 g	35-45 L	127
		7X97945		1200 g		
	ZENITH HAUL BAG	7W96970		2700 g	70 L	128
	Craggy HAUL BAG	7W96940		1900 g	40 L	128
	FALESIA	7X967		1000 g	45 L	128
	MAGIC PACK	7X972		250 g	16 L	128
	TANK ROPE BAG	7X963		580 g	25 L	129
	WHALE TRAVEL BAG	7X970		2000 g	85 L	129
	UTILITY BACKPACK	6X96140		900 g	40 L	129
	CARRIER	6X96022		500 g	22 L	129
		6X96037		700 g	37 L	

	Product Name	Ref. No		Lenght	Pg.
	ALTA VIA	2V104	235 g	66 ÷ 135 cm	130
	ACTIVE TREK	8V106	245 g	66 ÷ 135 cm	130
	ALPINE ROUTE	2V105	255 g	115 ÷ 130 cm	131
	TECH MOUNTAIN	8V107	186 g	66 ÷ 142 cm	131



ROPES, CHALK AND ACCESSORIES





7W152

SCARLET

Dynamic rope \varnothing 8.3 mm half rope and twin rope. The "dry" treatment makes it particularly indicated for use in environment with snow or ice. Two colors, available lengths 60 - 70 m.

EN 892:2005
 CE 1015 - Made in Europe

SPECIFICATIONS	⊗	⊗
Static Elong	9,2 %	5,4 %
Dynamic Elong	32,8 %	29,6 %
Max Peak force	6,32 kN	9,8 kN
N° of Falls	5	16
Sheath Slippage	0 mm	0 mm
Knotability	0,7	0,7



7W150

ANACOND

Dynamic rope \varnothing 10 mm single rope. The "dry" treatment makes it particularly indicated for use in environment with snow or ice. Two colors, available lengths 60 - 70 - 80 m.

EN 892:2005
 CE 1015 - Made in Europe

SPECIFICATIONS	①
Static Elong	7,9 %
Dynamic Elong	33 %
Max Peak force	8,8 kN
N° of Falls	7
Sheath Slippage	0 mm
Knotability	0,65



7W157

PATRON 10.5

Corda statica \varnothing 10.5 mm. Lunghezze disponibili 50 - 100 - 200 m. Durevole e maneggevole per il lavoro in altezza e operazioni di soccorso. Ideali per situazioni impegnative.

EN 1891:1998 A - type
 CE 0408 - Made in Europe

SPECIFICATIONS	①
Breaking load	32 kN
Elongation	3%
Breaking load with knots	18 kN
Sheath Slippage	< 40 mm
Weight of core	63%
Weight of sheath	37%
Material used	PA
Shrinkage	< 6,5%

PATRON PLUS 11

Static rope Ø 10.5 mm, durable and easy to handle intended for high safety and rescue. Ideal for severe situations. Available lengths 50 - 100 - 200 m.

EN 1891:1998 A - type
CE 0408 - Made in Europe



7W158

SPECIFICATIONS	①
Breaking load	32 kN
Elongation	3%
Breaking load with knots	18 kN
Sheath Slippage	< 40 mm
Weight of core	65%
Weight of sheath	35%
Material used	PA
Shrinkage	< 6,5%

FIDES III 9.5

Static rope Ø 9.5 mm, durable and easy to handle intended for high safety and rescue. Available lengths 50 - 100 - 200 m.

EN 1891:1998 A - type
CE 0408 - Made in Europe



7W159

SPECIFICATIONS	①
Breaking load	27 kN
Elongation	4%
Breaking load with knots	27 kN
Sheath Slippage	< 40 mm
Weight of core	39%
Weight of sheath	61%
Material used	PA
Shrinkage	< 6,5%

SPIROLL

Removable wrap-on rope protection made from an advanced elastomeric polymer for maximum durability:

- it protects the rope from abrasion and sharp edges;
- it protects the rope whilst top-roping on ice climbing routes against ice axe strikes;
- wrapped around the ice screws, it protects them during the transport.

Weight: 50 g
Made in Europe



6V821

ROPE SHIELD

Removable rope protection made from strong PVC coated textile:

- easy to wrap-on ropes, protecting them from abrasion and sharp edges;
- come with Velcro fastening and top eyelet to keep it in position.

Weight: 73 g - Made in Europe



6V811



7X973999

ZIPPER

Chalk bag with large round shape opening, made from high-tensile fabric. Provided with rear zip pocket and clip-on webbing belt.
Four colours available.
Made in P.R.C.



Red 02 Light blue 12 Grey 06 Green 08



7X974999

BUBBLE

Cylindrical chalk bag, made from high-tensile fabric.
Four colours available.
Made in P.R.C.



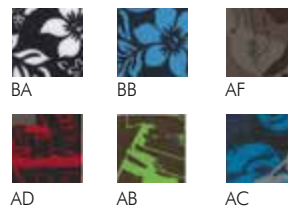
Lime 09 Blue 03 Coral 11 Sand 14



7X964999

FANTASY

Chalk bag, with oval shape opening, built in high-tensile fabric. Available in two patterns and three colours.
Made in P.R.C. -



BA BB AF
AD AB AC



7X976

CLIPPY

Clip-on webbing belt for chalk bags. Made from strong polyester and fully adjustable.
Attention! NOT to be used as a PPE.

Made in Europe



MAG CLASSIC 120

120 g block of pure magnesium carbonate.

NEW



MAG CLASSIC BALL 35 - 65

Ball of 35 g of pure magnesium carbonate powder. It prevents dust production.



MAG CRUNKY 1L

Hermetic package of pure magnesium carbonate into pieces 120 g.

NEW



MAG CLASSIC 30 MAG CLASSIC XL

Hermetic pack of 55 g mix of pure magnesium carbonate and colophony powder. Available with 50 or 450 g.



MAG CRUNKY 5L

Hermetic of pure magnesium carbonate into pieces 650 g.

NEW



MAG CHALKCOAL

Grey colour chalk powder, less visual impact, respect for the aesthetic integrity of rocks. Prevents the marking of the hand holds on a climbing route. The colour is obtained from natural essences.



MAG TECHNIC 30

Hermetic pack of 55 g mix of pure magnesium carbonate and colophony powder.



MAG EXTREME 50

Hermetic pack of 70 g of pure colophony powder.



MAG FLUID

Liquid chalk made of pure magnesium carbonate, rosin powder and alcohol. 250 ml packaging with drop-to-drop dispenser.










NEW

























FINGER SAVE S-L

Strong and durable finger tape, especially developed for climbers.

Available in 5 or 1.5 cm width - length 10 m.

	Product Name	Ref. No	Length		Ø	Standards		Pg.
	SCARLET	7W1520A60	60 m	42,9 g/m	Ø 8,3 mm	EN 892:2005	•	136
		7W1520A70	70 m					
		7W1520B60	60 m					
		7W1520B70	70 m					
	ANACOND	7W1500A60	60 m	65 g/m	Ø 10 mm	EN 892:2005	•	136
		7W1500A70	70 m					
		7W1500A80	80 m					
	PATRON 10.5	7W15700050	50 m	72 g/m	Ø 10.5 mm	EN1891:1998 A - type	•	136
		7W15700100	100 m					
		7W15700200	200 m					
	PATRON PLUS 11	7W15800050	50 m	75 g/m	Ø 11 mm	EN1891:1998 A - type	•	137
		7W15800100	100 m					
		7W15800200	200 m					
	FIDES III	7W15900050	50 m	61 g/m	Ø 9,5 mm	EN1891:1998 A - type	•	137
		7W15900100	100 m					
		7W15900200	200 m					
	SPIROLL	6V821	0,5 m	50 g	-	-	-	137
	ROPE SHIELD	6V811	0,7 m	73 g	-	-	-	137

	Product Name	Ref. No	Color		📦	Pg.
	ZIPPER	7X973999	   	Available in packs of 12 pcs. Mixed colours	98 g	138
	BUBBLE	7X974999	   	Available in packs of 12 pcs. Mixed colours	83 g	138
	FANTASY	7X964999	     	Available in packs of 12 pcs. Mixed colours	59 g	138
	CLIPPY	7X976			25 g	138

	Product Name / Ref. No	📦	Pg.
	MAG CLASSIC 120	120 g	139
	MAG CLASSIC BALL 35	35 g	39
	MAG CLASSIC BALL 65	55 g	39
	MAG CRUNKY 1 L	120 g	39
	MAG CLASSIC 30	50 g	39
	MAG CLASSIC XL	450 g	39
	MAG CRUNKY 5L	650 g	39
	MAG CHALKCOAL	115 g	39
	MAG TECHNIC 30	55 g	39
	MAG EXTREME 50	70 g	39
	MAG FLUID	250 ml	39
	FINGER SAVE S	1,5 cm x 10 m	39
	FINGER SAVE L	5 cm x 10 m	



CT

climbing
technology



2V504

KEY 504



2V505

KEY 505



2V514

KEY 514



2V518

KEY 518



2V849

KEY NUTS 849

	Product Name	Ref. No		Pg.
	mixed colours	2V504	18 g	143
	mixed colours	2V505	15 g	143
	mixed colours	2V514	21 g	143
	mixed colours	2V518	25 g	143
	mixed colours	2V84904	25 g	143



ADVENTURE PARK



Wear proof protection



PATENTED



2C373



2C372

K-ADVANCE

Hot forged light alloy carabiner with double gate, ideal terminal connector for via ferrata and adventure park lanyards:

- ergonomic shape for an optimal handling, opening system that allows to clip and unclip into protections using one hand;
- easy to use by children;
- double gate automatic locking, extremely quick and safe;
- large clearance for hooking onto big diameter wires;
- catch-free nose to avoid snagging when clipping and unclipping;
- available also with stainless steel wear-proof protection, for an enhanced resistance to abrasion on wire cables (PATENTED).

K-Advance strength: 30-12-12 kN

K-Advance Shell strength: 33-12-12 kN

EN 12275:1998 - K

CE 0333

Made in Italy

K-CLASSIC

Light alloy carabiner, ideal terminal of via ferrata and adventure park lanyards:

- New automatic antiseizing spring locking, quick and easy;
- large clearance for clipping onto big diameter wires;
- catch-free nose to avoid snagging when clipping and unclipping.

Strength: 30-10-10 kN

EN 12275:1998 - K

CE 0333

Made in Italy



2C53303

NEW

DUETTO

Light alloy twin pulley with fixed side plates. It allows Tyrolean traverses on ropes or cables and it is particularly indicated for use in the adventure parks. Up to 3 carabiners can be hooked in the large eyelet. Stainless steel sheaves mounted on four ball bearings.

For use with rope: $\varnothing \leq 13$ mm

For use with cable: $\varnothing 12$ mm

Weight: 290 g - Strength: 25 kN - Efficiency 90%

EN 12278:2007

CE 0333

Made in Italy



2P654



30 - 45 - 70 cm

7W109



1 Rubber Fastener L. Included



40 cm

7W107040CU

NEW



7W110

60 - 85 cm



60 cm



7W111

95 cm



2 Rubber Fastener L. Included

ADV PARK I - PLUS

I-shaped lanyard of 16 mm, built in polyester or polyamide, conceived for use in adventure parks.

It allows to connect the pulley to the harness for Tyrolean traverses.

- **ADV PARK I** - Equipped with single slot to be connected on the harness, protected with wear proof sleeve. Supplied with a RUBBER FASTENER L. Available lengths: 30 - 45 - 70 cm.
- **ADV PARK I PLUS** - Equipped with two slot, protected with wear proof sleeve. To be connected with a lark's head hitch, one to the harness and one to the pulley. Length: 40 cm.

Strength: 22 kN

EN 566:2006

CE 0333

Made in Italy

ADV-PARK YS - YA

Y-shaped lanyard of 16 mm, built in polyester, conceived for use in adventure parks.

- **ADV-PARK YS** - Simmetric lanyard with slot to be connected on the harness, protected with wear proof sleeve. Connected through a lark's head hitch, it allows to overcome the division points along the cable. Supplied with two RUBBER FASTENER L. Available length: 60/60 - 85/85 cm.
- **ADV PARK YA** - Asimmetrical lanyard with slot to be connected on the harness, protected with wear proof sleeve. Connected through a lark's head hitch, it allows to connect to attach the short arm to a pulley and the long arm to a safety connector, for Tyrolean traverses. Supplied with two RUBBER FASTENER L. Available length: 60/95 cm.

Strength: 22 kN

EN 566:2006

CE 0333

Made in Italy

CARABINERS AND QUICKDRAWS

ROPE ACCESSORIES

HARNESSES

HELMET AND HEAD LAMP

VIA FERRATA SETS

PROTECTION AND SLINGS

ANCHORS AND BELAY STATION

ICE AXES AND CRAMPONS

PACKS BAGS AND POLES

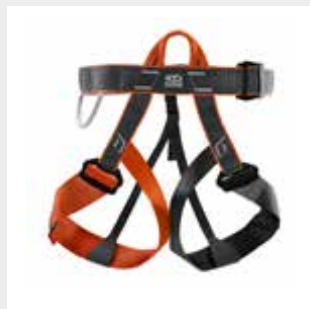
ROPES, CHALK AND ACCESSORIES

ADVENTURE PARK

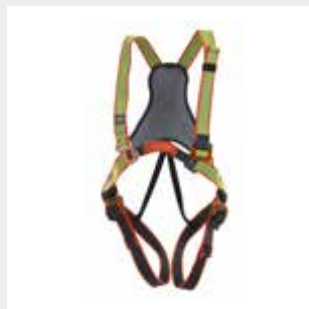
ADVENTURE PARK



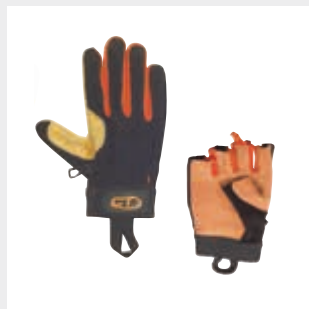
VENUS (pag. 78)



DISCOVERY (pag. 70)



JUNGLE (pag. 71)



GLOVE (pag. 85)

	Product Name	Ref. No		< kN >	\wedge kN v					Standards		Pg.
	K-ADVANCED SHELL	2C37300 ZO2	125 g	30 kN	12 kN	12 kN	25 mm	•	•	EN 12275:1998 - K EN 362:2004 - A/T	•	146
		2C37300 XSN										
	K-ADVANCED	2C37200 WAB	118 g	33 kN	12 kN	12 kN	25 mm	•	•	EN 12275:1998 - K	•	146
		2C37200 XSN										
	K-CLASSIC	2C53303 XSG	87 g	30 kN	10 kN	10 kN	22 mm	•	•	EN 12275:1998 - K	•	146

	Product Name	Ref. No		kN		Standards		Pg.
	DUETTO	2P654	290 g	25 kN 	•	For ropes with: Ø ≤ 13 mm EN 12278:2007	•	146

	Product Name	Ref. No	Length		< kN >	Standards		Pg.
	ADV-PARK I	7W109040	30 cm	41 g	22 kN	EN 566:2006	1x	147
		7W109055	45 cm	60 g				
		7W109080	70 cm	90 g				
	ADV-PARK I PLUS	7W107040CU	40 cm	70 g	25 kN	EN 566:2006	-	147
	ADV-PARK YS	7W110070	60 cm	110 g	22 kN	EN 566:2006	2x	147
		7W110095	85 cm	145 g				
	ADV-PARK YA	7W11170105	60/95 cm	150 g	22 kN	EN 566:2006	2x	147

WEAR





AFA01

MOAB

Full-zip hooded midlayer fleece for climbing and mountaineering. Made with stretch fleece with excellent breathability and durability.

Size: S ÷ XXL

Fabric: 97% polyester 3% spandex

Color:



French blue
012



Fiery red
002



Charcoal
006



Lime
009



ATA01

MESA VERDE

Functional baselayer T-shirt, with long zip-neck for easy venting, ideal for sport climbing and mountaineering. Made with light and breathable bielastic fabric that keeps you dry and comfortable.

Size: S ÷ XXL

Fabric: 82% nylon 18% spandex

Color:



French blue 126



Fiery red 026



Lime 096



APA03

JOUSHA TREE

Technical pant with ergonomic fit for sport climbing and mountaineering. Made with 4way stretch ripstop fabric, light and durable.

Size: S ÷ XXL

Fabric: 90% polyester 10% spandex

Color:



Castelrock
006



Lime
009



Black
005



AJA01

ASPEN

Lightweight windbreaker jacket, packable and with ergonomic fit, with proven protection from the elements. Ideal for all outdoor activities.

Made with ripstop fabric, light and soft.

Size: S ÷ XXL

Fabric: 100% nylon 12% microfiber

Color:



French blue
012



Fiery red
002



Black
005

MAMMOTH MOUNTAIN

Soft shell jacket 2 layer with ergonomic fit, inner termic fleece and good wind protection, for alpine and mountaineering. Made with soft shell 2 layer fabric, light and durable.

Size: S ÷ XXL

Fabric: 86% polyester 14% spandex

Color:



French blue 126



Castelrock 620



Black 005

ROCKY MOUNTAIN

Functional midlayer long-sleeved, with long zip-neck for easy venting, ideal for sport climbing and mountaineering. Made with bamboo stretch fabric that keeps you dry and comfortable.

Size: S ÷ XXL

Fabric: 50% polyester 50% bamboo

Color:



French blue 126



Fiery red 026



Charcoal 612



AJA02



AMA01

CARABINERS AND
QUICKDRAWSROPE
ACCESSORIES

HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGSANCHORS AND
BELAY STATIONICE AXES AND
CRAMPONSPACKS BAGS
AND POLESROPES, CHALK
AND ACCESSORIESADVENTURE
PARK

WEAR



APA04

CLIFF MOUNTAIN

Technical pant with ergonomic fit and strengthened fabric, for sport climbing, technical alpinism and mountaineering.
Made with 4 way stretch and reinforced fabric, strong and durable.

Size: S ÷ XXL

Fabric: 89% nylon 11% spandex (main) + 97% polypropylene 3% spandex (reinforced)

Color:



Black 056



Fiery red 026



Lime 096



Castelrock 006



APA02

HALF DOME

Technical pant with slim fit stretch fabric, ideal for multi-pitch sport climbing and alpine route.
Made with 4 way stretch fabric, comfortable and durable.

Size: S ÷ XXL

Fabric: 89% nylon 11% spandex

Color:



Fiery red 002



Castelrock 006



Cord 013



Black 005



APA01

EL CAP

Climbing pant with comfortable fit. Ideal for a full day sport climbing session or bouldering.
Made with 4 way stretch fabric, light and comfortable.

Size: S ÷ XXL

Fabric: 89% nylon 11% spandex

Color:



Fiery red 002



Castelrock 006



Cord 013



Black 005



ATA02

RED ROCK

T-shirt traspirante, ideale per tutte le attività outdoor.
Costruita con tessuto bielastico leggero e traspirante che
mantiene asciutti e comodi.

Size: S ÷ XXL

Fabric: 82% nylon 18% spandex

Color:



French blue 126



Fiery red 026



Lime 096



ABA01

BOULDER

Short with comfortable fit, ideal for sport climbing and approach.
Made with technical 4 way stretch fabric.

Size: S ÷ XXL

Fabric: 89% nylon 11% spandex

Color:

Fiery red
002Castelrock
006Cord
013Black
005CARABINERS AND
QUICKDRAWSROPE
ACCESSORIES















HARNESSES

HELMET AND
HEAD LAMP

VIA FERRATA SETS

PROTECTION
AND SLINGSANCHORS AND
BELAY STATIONICE AXES AND
CRAMPONSPACKS BAGS
AND POLESROPES, CHALK
AND ACCESSORIESADVENTURE
PARK

	Product Name	Ref. No	Color	Size	Fabric	Pg.
	MOAB	AFA01012	French blue 	S ÷ XXL	97% polyester 3% spandex	150
		AFA01002	Flery red 			
		AFA01006	Charcoal 			
		AFA01009	Lime 			
	MESA VERDE	ATA01126	French blue 	S ÷ XXL	82% nylon 18% spandex	150
		ATA01026	Flery red 			
		ATA01096	Lime 			
	Jousha Tree	APA03006	Castelrock 	S ÷ XXL	90% polyester 10% spandex	150
		APA03009	Lime 			
		APA03005	Black 			
	ASPEN	AJA01002	Flery red 	S ÷ XXL	100% nylon 12d microfiber	151
		AJA01012	French blue 			
		AJA01005	Black 			
	MAMMOTH MOUNTAIN	AJA02126	French blue 	S ÷ XXL	86% polyester 14% spandex	151
		AJA02620	Castelrock 			
		AJA02005	Black 			
	ROCKY MOUNTAIN	AMA01126	French blue 	S ÷ XXL	50% polyester 50% bamboo	151
		AMA01026	Flery red 			
		AMA01612	Charcoal 			
	CLIFF MOUNTAIN	APA04056	Black 	S ÷ XXL	89% nylon 11% spandex (main) + 97% polypropylene 3% spandex (reinforced)	152
		APA04026	Flery red 			
		APA04096	Lime 			
		APA04006	Castelrock 			
	HALF DOME	APA02002	Flery red 	S ÷ XXL	89% nylon 11% spandex	152
		APA02006	Castelrock 			
		APA02013	Cord 			
		APA02005	Black 			

	Product Name	Ref. No	Color	Size	Fabric	Pg.
	EL CAP	APA01002	Flery red 	S ÷ XXL	89% nylon 11% spandex	152
		APA01006	Castelrock 			
		APA01013	Cord 			
		APA01005	Black 			
	RED ROCK	ATA02126	French blue 	S ÷ XXL	82% nylon 18% spandex	150
		ATA02026	Flery red 			
		ATA02096	Lime 			
	BOULDER	ABA01002	Flery red 	S ÷ XXL	89% polyester 11% spandex	150
		ABA01006	Castelrock 			
		ABA01013	Cord 			
		ABA01005	Black 			



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