I'D S®

CE 0082 | EN 12841 / C | EN 341 / A | EN 15151-1 / 8 | EAC TP TC 019/2011 | NFPA | ANSI / ASSE : Z359.4-2013

Self-braking descender/belay device
Descendeur assureur auto-freinant

⚠ WARNING / ATTENTION

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

Before using this equipment, you must:
- Read and understand all Instructions for Use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.

FAILURE TO HEED ANY OF THESE WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH.

Les activités impliquant l'utilisation de cet équipement sont par nature dangereuses. Vous êtes responsable de vos actes, de vos décisions et de votre sécurité.

Avant d'utiliser cet équipement, vous devez :
- Lire et comprendre toutes les instructions d'utilisation.
- Vous former spécifiquement à l'utilisation de cet équipement.
- Vous familiariser avec votre équipement, apprendre à connaître ses performances et ses limites.
- Comprendre et accepter les risques induits.

LE NON-RESPECT D'UN SEUL DE CES AVERTISSEMENTS PEUT ÊTRE LA CAUSE DE BLESSURES GRAVES OU MORTELLES;

PETZL.COM

Latest version / Dernière version
Other languages / Autres langues
Technical tips / Conseils techniques
PPE checking / Fiche de contrôle EPI

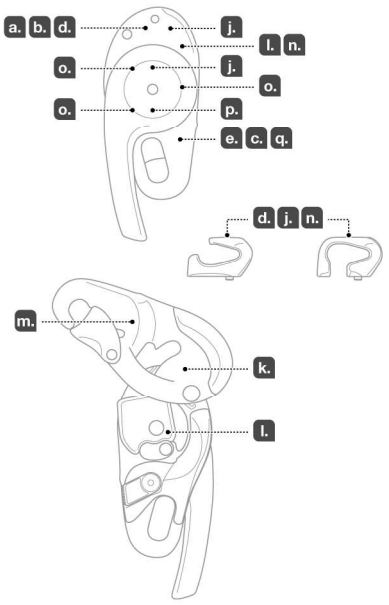
Warning symbols / Panneaux d'alertes (1) (2) (3) (4)

PETZL
F-38920 Crolles
Cidex 105A
Tel: +33-(0)4 76 92 09 00
PETZL.COM

Made in France

Sustaining our Community
Au service de la Communauté
FONDATION-PETZL.ORG

Traceability and markings / Traçabilité et marquage

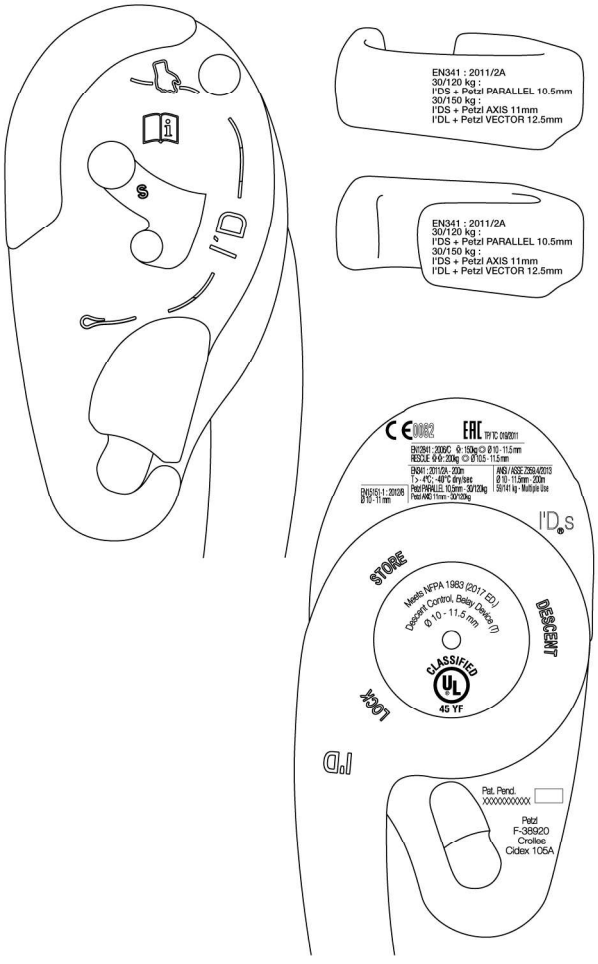


a. CE
TÜV SÜD Product Service GmbH
Zertifizierstellen - Ridlerstraße 65
80339 MÜNCHEN
N°0123

b. 0082
APAVE SUDEUROPE SAS
8 rue Jean-Jacques Vernazza
Z.A.C. Saumaty-Séon - CS 60193
13322 Marseille CEDEX 16
N°0082

e. Serial number / Numéro de serie
YY M 0000000 000
f.
g.
h.
i.

p. CLASSIFIED UL 45 YF



NFPA CERTIFICATION
FOR I'D S D020AA

MEETS THE DESCENT CONTROL AND BELAY DEVICE REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION.

EMERGENCY SERVICES DESCENT CONTROL AND BELAY DEVICE IN ACCORDANCE WITH NFPA 1983-2017

NFPA CERTIFICATION
POUR I'D S D020AA

CONFORME AUX EXIGENCES POUR APPAREILS D'ASSURAGE ET DE CONTRÔLE DE DESCENTE DE LA NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION.

APPAREIL D'ASSURAGE ET DE CONTRÔLE DE DESCENTE POUR SERVICES DE SECOURS CONFORMÉMENT À NFPA 1983-2017

CLASSIFIED UL 45 YF

Descent control
Belay device
T (TECHNICAL USE)
MEETS NFPA 1983 (2017 ED.)

USE ONLY TECHNICAL USE LIFE SAFETY ROPES, (CORE + SHEATH) **DIAMETER BETWEEN 10 MM AND 11,5 MM.**

This descent control and belay device has passed the manner of function test and holding load tests using the following rope: [STERLING, 3/8" HTP static, P105, 10mm] and [Bluewater, 7/16" Spec-Static rope, 540700, 11,5mm]

After removing the Instructions for Use from the equipment, make a copy of it and keep the original as part of a permanent record that includes the usage and inspection history for the equipment. Keep the copy of the Instructions for Use with the equipment and refer to it before and after each use. Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA 1983, Standard on Fire Service Life Safety Rope and System Components.

UTILISEZ UNIQUEMENT DES TECHNICAL USE LIFE SAFETY ROPES, (GAINE + ÂME) **DONT LE DIAMETRE EST COMPRIS ENTRE 10 MM AND 11,5 MM.**

Cet appareil d'assurage et de contrôle de descente a passé les tests de fonctionnement avec les cordes suivantes : [STERLING, 3/8" HTP static, P105, 10mm] and [Bluewater, 7/16" Spec-Static rope, 540700, 11,5mm]

Après avoir détaché la notice du produit, faites en une copie et gardez l'original dans un dossier qui compile l'historique de vie du produit et les vérifications EPI réalisées.

Gardez une copie de la notice avec le produit et consultez-la avant et après chaque utilisation. Des informations complémentaires sont disponibles dans les normes : NFPA1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA 1983, Standard on Fire Service Life Safety Rope and System Components.

CLASSIFIED UL 45 YF

DESCENT CONTROL DEVICE

IN ACCORDANCE WITH ANSI / ASSE Z359.4-2013

APPAREILS DE CONTRÔLE DE DESCENTE

CONFORMEMENT À ANSI / ASSE Z359.4-2013

10 ⩽ Ø ⩽ 11,5 mm

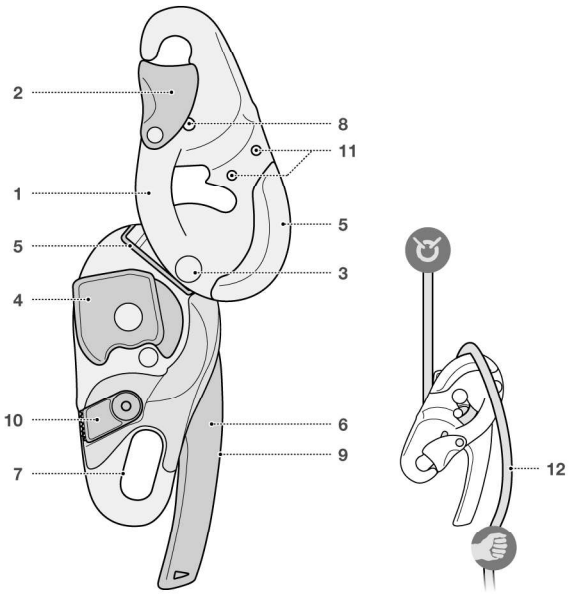
130 - 310 Lbs
59 - 141 kg

Maximum descent rate
Vitesse de descente maximum

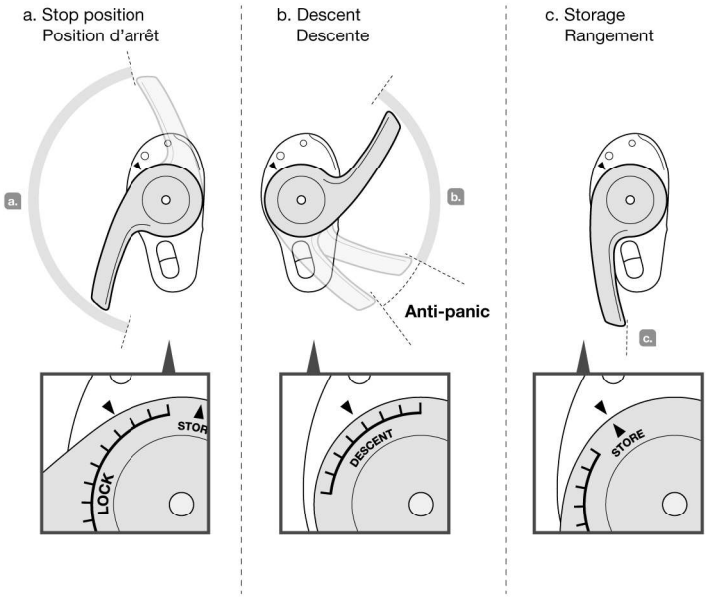
30 - 120 kg = 2m/s. MAX
>120 kg = 0,5m/s. MAX

1. Field of application (text part)
Champ d'application (partie texte)

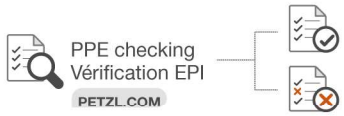
2. Nomenclature



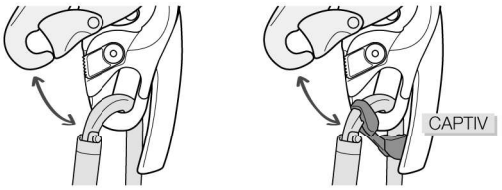
Handle positions
Positions de la poignée



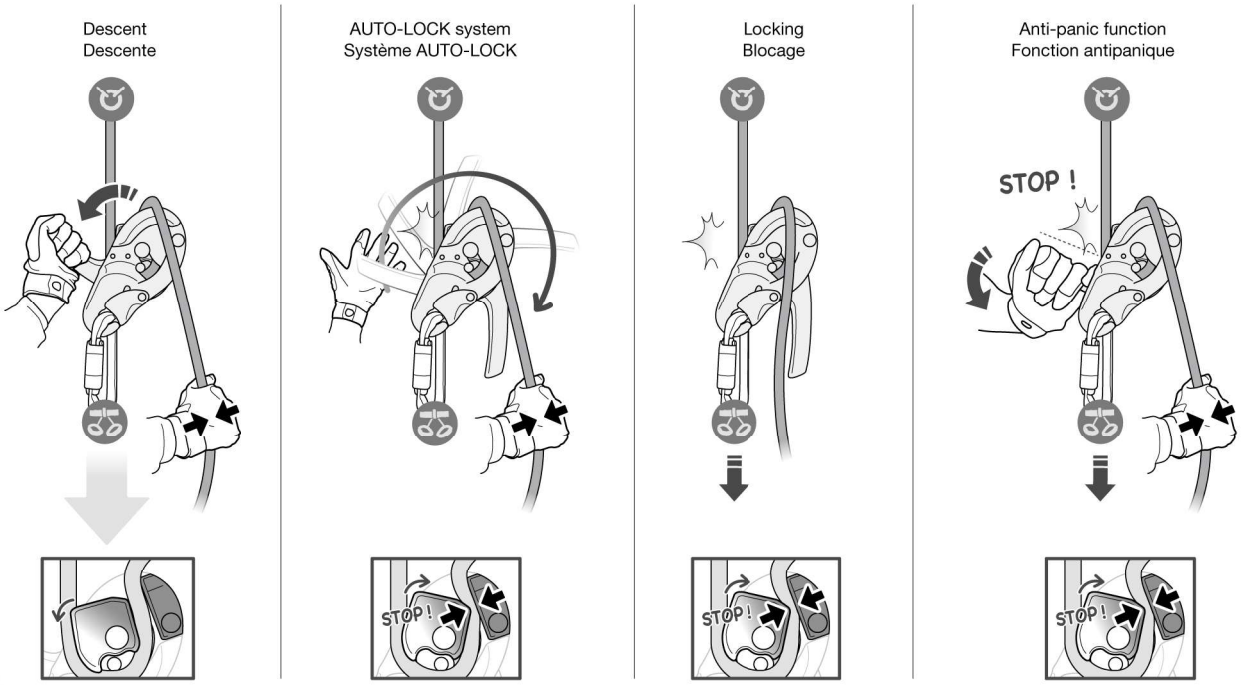
3. Inspection, points to verify
Contrôle, points à vérifier



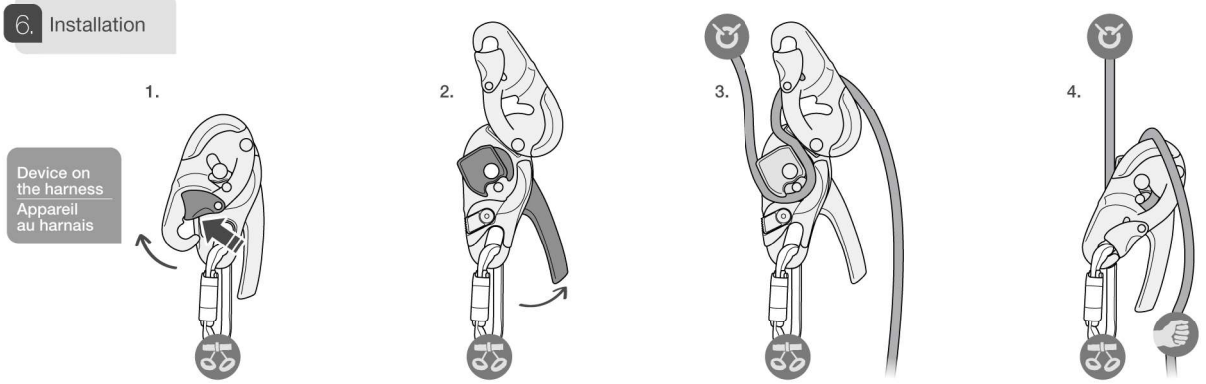
4. Compatibility
Compatibilité



5. Function principle and test
Principe et test de fonctionnement

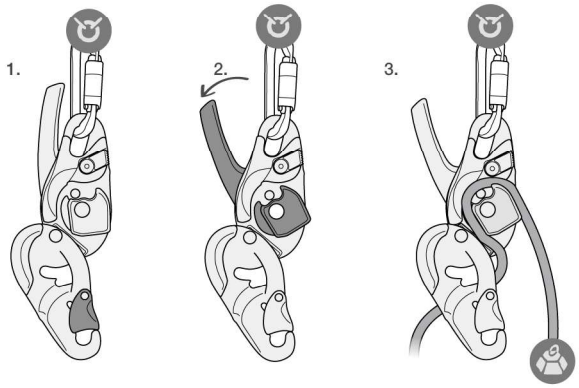


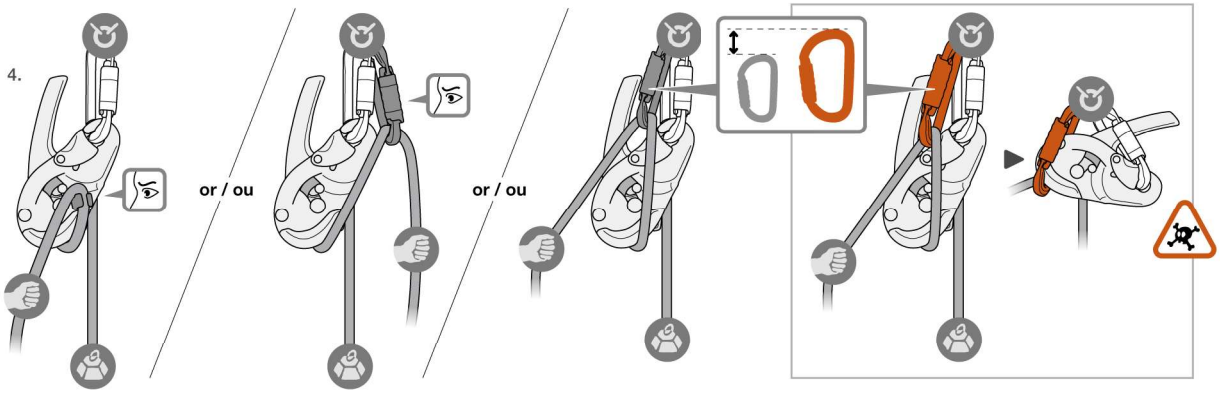
6. Installation

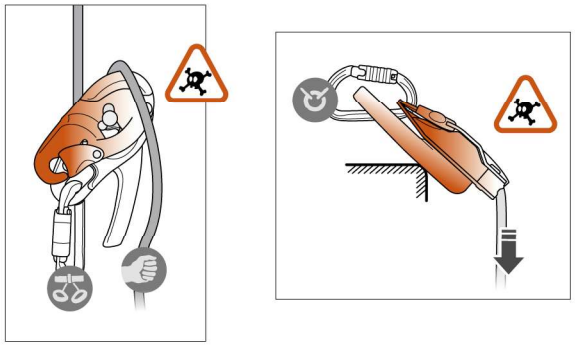


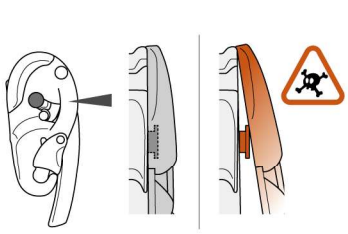
6. Installation

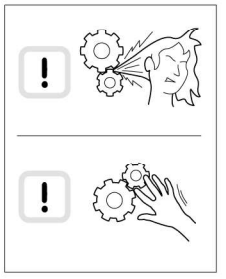
Device on an anchor
Appareil à l'ancrage



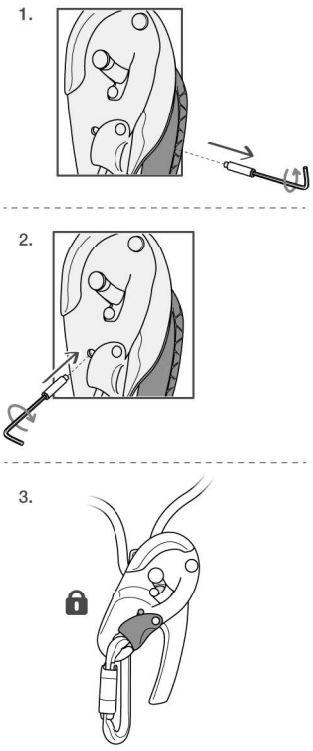








Locking the safety gate
Verrouillage du cliquet



7. EN 12841 type C - Rope access
EN 12841 type C - Accès sur corde

150 kg MAX

10 ⩽ ∅ ⩽ 11,5 mm
EN1891 A

RESCUE / SECOURS

200 kg MAX

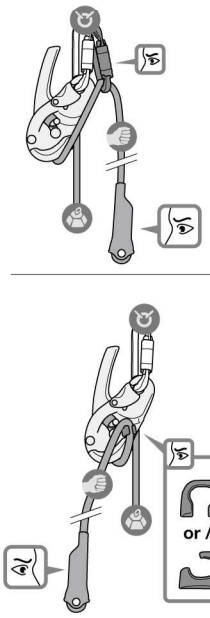
10,5 ⩽ ∅ ⩽ 11,5 mm
EN1891 A

8. EN 341class A - Rescue descender
EN 341class A - Descendeur pour secours

Maximum descent energy 7,5 MJ

Energie de descente maximum 7,5 MJ

Rope / Corde	Working load limit (EN341) / Charge d'utilisation maxi (EN341)	Maximum descent / Descente maximum
Petzl PARALLEL 10,5 mm	120 kg	200 m
Petzl AXIS 11 mm	120 kg	200 m
Petzl PARALLEL 10,5 mm	120 kg	200 m
Petzl AXIS 11 mm	150 kg	200 m



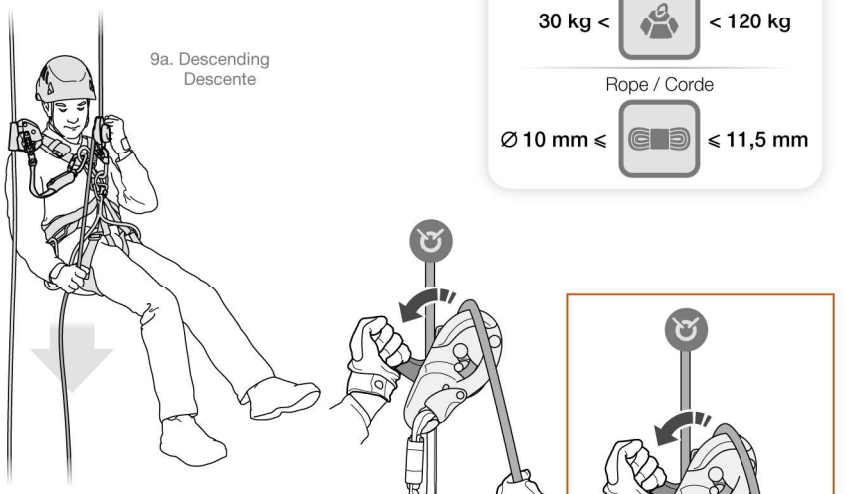
Rope specifications

Performances des cordes testées

	Petzl PARALLEL 10,5 mm	Petzl AXIS 11 mm
1. Sheath slippage (%) Glissement de la gaine (%)	1	1,3
2. Elongation (%) Allongement (%)	3,4	3
3. Mass of the sheath (%) Masse de la gaine exterieure (%)	45	41
4. Mass of the core material (%) Masse du matériau de l'âme (%)	55	59
5. Mass per unit length (g/m) Masse par unité de longueur (g/m)	75	82
6. Shrinkage (%) Rétractation (%)	2	2

9. Usage on a harness
Utilisation au harnais

9a. Descending
Descente

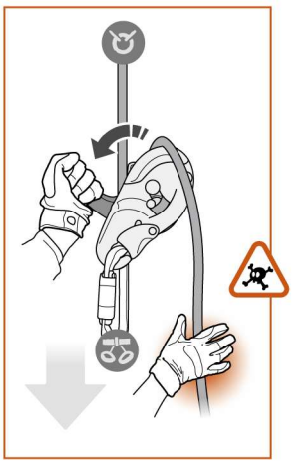


Weight / Poids

30 kg < < 120 kg

Rope / Corde

∅ 10 mm ⩽ ⩽ 11,5 mm



Speed / Vitesse

30 - 120 kg = 2m/s. MAX
>120 kg = 0,5m/s. MAX

Height / Hauteur

200 m MAX

9. Usage on a harness
Utilisation au harnais

Weight / Poids

30 kg < < 150 kg

Rope / Corde

∅ 10 mm ⩽ ⩽ 11,5 mm

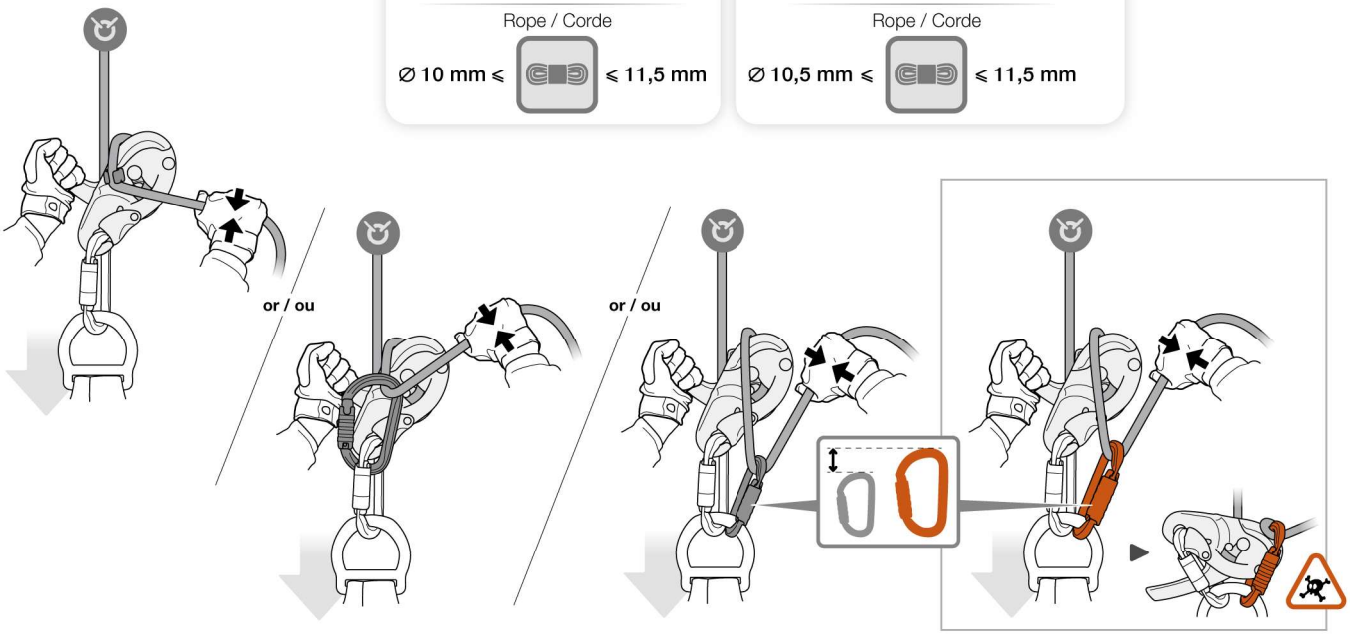
Weight / Poids

150 kg < < 200 kg MAX

Rope / Corde

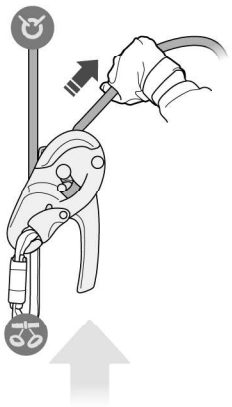
∅ 10,5 mm ⩽ ⩽ 11,5 mm

9b. Extra friction
Ajout de freinage

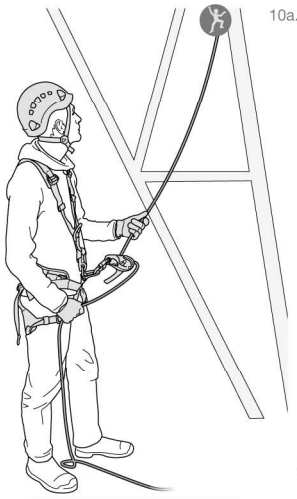


9c. Stop position
Position d'arrêt

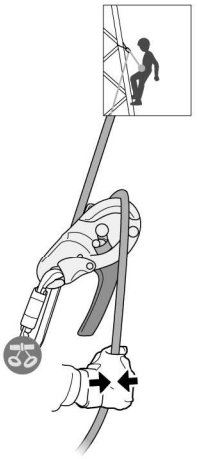
9d. Occasional ascent
Remontée occasionnelle



10. EN 15151-1 Type 8 Belay-rappel device
EN 15151-1 Type 8 Assureur descendeur

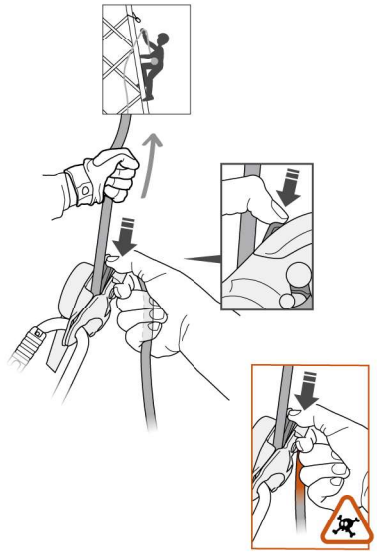


10a. Always hold the brake-side rope when the climber is moving.
Tenez toujours la corde côté freinage lors des déplacements du grimpeur

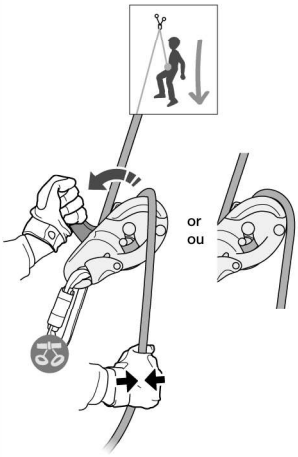


Rope / Corde
10 ⩽ Ø ⩽ 11 mm
EN1891 A / B
EN892

10b. Giving slack
Donner du mou



10c. Lowering
Faire descendre



11. Usage on an anchor
Utilisation à l'ancrage

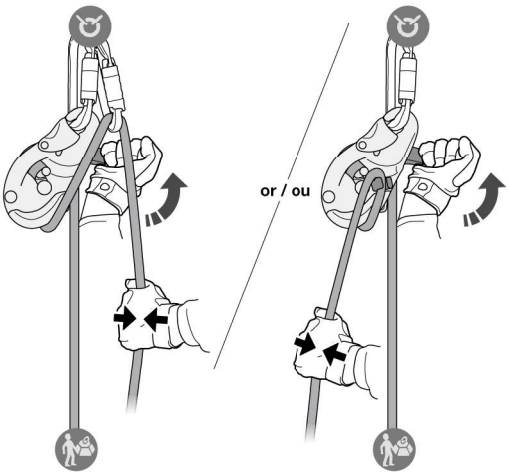
11a. Lowering
Faire descendre

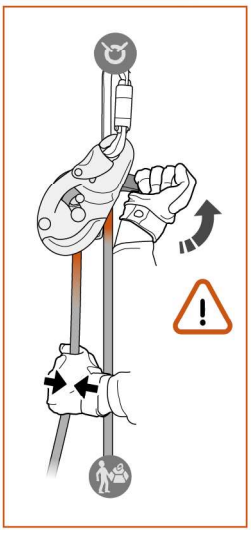
Speed / Vitesse
30 - 120 kg = 2m/s. MAX
>120 kg = 0,5m/s. MAX

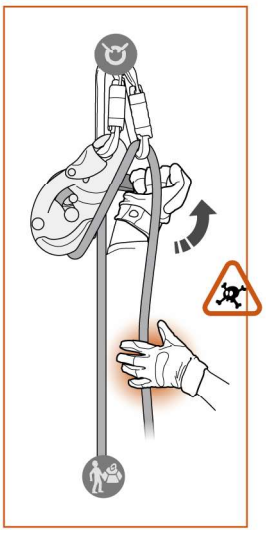
Height / Hauteur
200 m MAX

Weight / Poids
30 kg < < 120 kg
Rope / Corde
Ø 10 mm ⩽ ⩽ 11,5 mm

Weight / Poids
120 kg < < 150 kg MAX
Rope / Corde
Ø 10,5 mm ⩽ ⩽ 11,5 mm

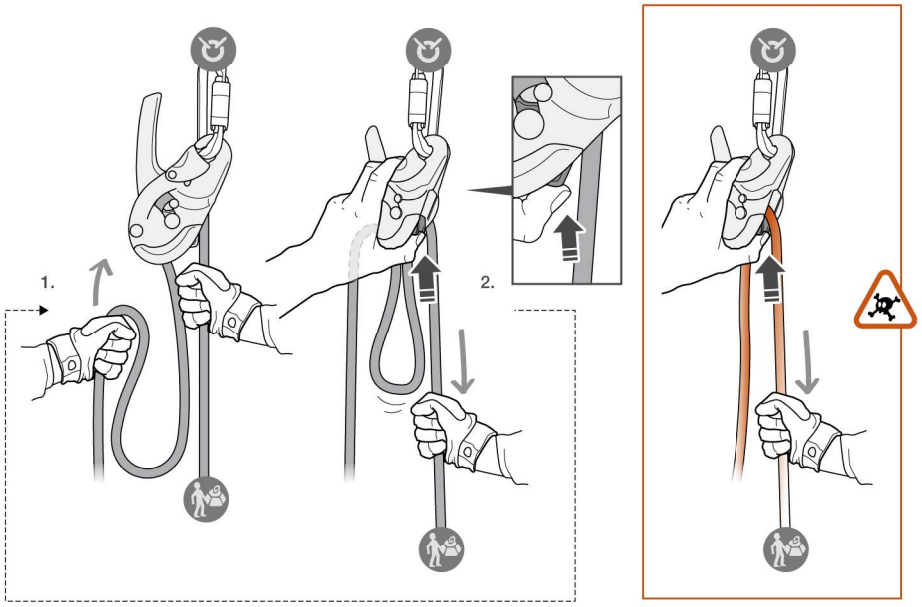




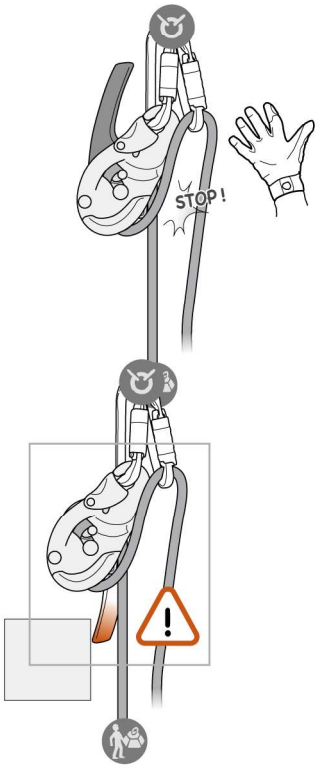


11. Usage on an anchor
Utilisation à l'ancrage

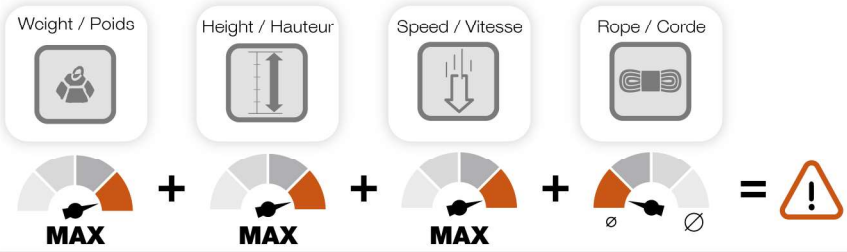
11b. Giving slack
Donner du mou



11c. Stop position
Position d'arrêt



12. Limitations on use
Limites d'utilisation



13. Additional information
Informations complémentaires

A. Lifetime / Durée de vie
unlimited
illimitée

B. Acceptable T° / T° tolérées
+ 80°C / + 176°F
- 40°C / - 40°F

C. Precautions for use / Précautions d'usage
etc...

D. Cleaning / Nettoyage
+ 30°C maxi.
+ 86°F maxi.

E. Drying / Séchage
+ 30°C maxi.
+ 86°F maxi.

F. Storage - Transport / Stockage - transport
+ 30°C / + 86°F
+ 10°C / + 50°F

G. Maintenance
Entretien

H. Modifications - Repairs
Modifications - Réparations
Petzl

I. FAQ - Contact
Questions - Contact
petzl.com

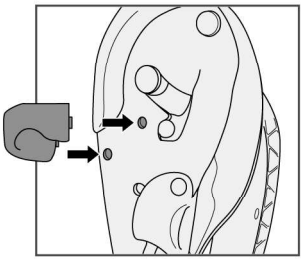
Accessories / Accessoires

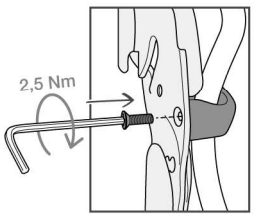
Frein additionnel fermé
Closed auxiliary brake

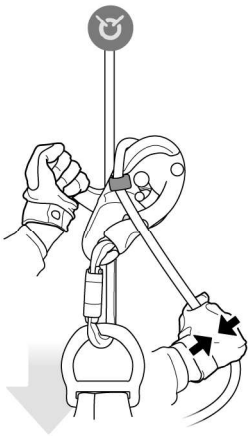
D020EA00

Frein additionnel ouvert
Open auxiliary brake

D020DA00







EN

These instructions explain how to correctly use your equipment. Only certain techniques and uses are described.
The warning symbols inform you of some potential dangers related to the use of your equipment, but it is impossible to describe them all. Check Petzl.com for updates and additional information.
You are responsible for heeding each warning and using your equipment correctly. Any misuse of this equipment will create additional dangers. Contact Petzl if you have any doubts or difficulty understanding these instructions.

1. Field of application

Personal protective equipment (PPE) used for fall protection.
This product meets the requirements of Regulation (EU) 2016/425 on personal protective equipment. The EU declaration of conformity is available at Petzl.com.
Self-braking descender/belay device.
This product must not be pushed beyond its limits, nor be used for any purpose other than that for which it is designed.

Responsibility

WARNING
Activities involving the use of this equipment are inherently dangerous.
You are responsible for your own actions, decisions and safety.

Before using this equipment, you must:
- Read and understand all Instructions for Use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.

Failure to heed any of these warnings may result in severe injury or death.

This product must only be used by competent and responsible persons, or those placed under the direct and visual control of a competent and responsible person.
You are responsible for your actions, your decisions and your safety and you assume the consequences of same. If you are not able, or not in a position to assume this responsibility, or if you do not fully understand the Instructions for Use, do not use this equipment.

2. Nomenclature

(1) Moving side plate, (2) Safety gate, (3) Axle, (4) Cam, (5) Brake plate, (6) Handle, (7) Attachment hole, (8) Hole for locking the safety gate, (9) Screw for locking the safety gate, (10) Anti-error catch, (11) Holes for auxiliary brake, (12) Brake-side rope.

Handle positions:

a. Stop position (load locked, handle stowed to prevent accidental snagging).
b. Descent (the handle gradually releases the lock).
c. Storage (handle stowed for transport).

Principal materials:

Aluminum alloy, stainless steel.

3. Inspection, points to verify

Your safety is related to the integrity of your equipment.
Petzl recommends a detailed inspection by a competent person at least once every 12 months (depending on current regulations in your country, and your conditions of usage).
Warning: your intensity of use may cause you to inspect your PPE more frequently. Follow the procedures described at Petzl.com. Record the results on your PPE inspection form: type, model, manufacturer contact info, serial number or individual number, dates: manufacture, purchase, first use, next periodic inspection; problems, comments, inspector's name and signature.

Before each use

Verify the absence of any cracks, deformation, marks, wear, corrosion on the product (side plates, axles, rivets, cam, brake plates, attachment hole, anti-error catch). Check the condition of the safety gate and verify that it works properly (return spring, complete closure). Check the condition of the handle and verify that it works properly (cam drive, return spring, anti-panic function). Check the cam's mobility.

During use

It is important to regularly monitor the condition of the product and its connections to the other equipment in the system. Make sure that all items of equipment are correctly positioned with respect to each other.
Beware of rubbing or contact with any external object that could interfere with device function (free rotation of the device, of the cam, of the handle...).
Warning: locking effectiveness can vary depending on the condition of the rope (wear, dirt, moisture, rain, ice...).
Braking effectiveness varies depending on the condition of the rope and the conditions of usage (diameter, moisture, rain, ice, dirt...). For every rope, before use, you must familiarize yourself with the braking effectiveness.

4. Compatibility

Verify that this product is compatible with the other elements of the system in your application (compatible = good functional interaction).
Equipment used with your I'D S must meet current standards in your country (e.g. EN 1497 or EN 813 harnesses).
The safety gate allows the moving side plate to be opened and the rope to be installed without removing the connector. The I'D S can therefore be used with the CAPTIV positioning bar to optimize connector positioning.

5. Function principle and test

The I'D S locks the rope in one direction and allows the rope to slide in the other direction.
The rope friction in the cam groove causes the cam to rotate, which locks the rope by pinching it against the brake plate.
Locking can be gradually released by operating the handle (always hold the brake-side rope).
Warning: any excessive pulling on the handle can cause a loss of control.

AUTO-LOCK system

The AUTO-LOCK system locks the load automatically and returns the handle to the stop position.

Anti-panic function

The anti-panic function automatically stops the descent if the user pulls the handle too far. To resume the descent, allow the handle to return to the stop position before operating it again.

6. Installing the I'D S

Install a locking carabiner on the I'D S for attachment to the harness or anchor.
6a. Connection to a harness
Open the moving side plate and raise the handle slightly to allow the cam to move. Install the rope around the cam in the direction indicated by the icons marked on the device. Close the moving side plate, making sure that the gate closes completely. Each time the rope is installed, check that the rope locks in the desired direction. The anti-error catch helps detect a backward installation of the rope.
6b. Connection to an anchor
Open the moving side plate and raise the handle slightly to allow the cam to move. Install the rope around the cam in the direction indicated by the icons marked on the device. Close the moving side plate, making sure that the gate closes completely. Each time the rope is installed, check that the rope locks in the desired direction. Pass the rope through a directional carabiner on the anchor or through the auxiliary brake (sold separately). Warning: the anti-error catch will not work unless the rope passes through a directional carabiner on the anchor.
6c. Locking the safety gate
If it is necessary to prevent the device from opening once the rope is installed (e.g. rescue kit), the safety gate can be locked with the supplied screw.

7. Rope access

EN 12841: 2006 type C

Descender for progression on rope.
Maximum working load: 150 kg for a single person; usage up to 200 kg is possible for two people in a rope rescue situation with 10.5 to 11.5 mm ropes only.
Ropes tested during the CE EN 12841 type C certification:
- Petzl CLUB 10 mm.
- Teufelberger KMIII 11.5 mm.

To reduce the risk of a fall or pendulum, keep the rope between the I'D S and the anchor as tight and as vertical as possible.
Devices of type B and C are designed for progression on rope; they must be used together with a type A belay system (e.g. ASAP). When the full weight of the user is on the safety rope, it becomes a work rope and so must be used with another safety rope.

8. Rescue descender

EN 341: 2011 class A

- Maximum energy of descent 7.5 MJ.
Energy = user weight x gravity x length of descent x number of descents.
- Ropes tested, maximum working load, maximum descent: see drawings.
- Minimum load: 30 kg.
- To reduce the risk of a fall, do not allow slack in the rope between the I'D S and the user.
- Protect the I'D S from environmental conditions if it is left installed on the anchor between inspections.
- EN 341 testing temperature: -40° C in dry conditions, -4° C in wet and cold conditions.
- Install the I'D S on the anchor in a way that does not interfere with the descent.
- Control the speed of descent; a loss of control can be difficult to correct.
- The I'D S can overheat and damage the rope in a descent that is too long or too fast.
- In the context of the EN 341 standard, the I'D S is designed only for rescue use.
- Specifications of ropes tested:
Nylon and polyester ropes.
1. Sheath slippage (%)
2. Elongation (%)
3. Mass of the sheath (%)
4. Mass of the core material (%)
5. Mass per unit length (g/m)
6. Shrinkage (%)

ANSI / ASSE Z359.4 - 2013

Maximum descent height: 200 m.
The I'D S can be used for multiple successive descents by ensuring that the device does not overheat.
Refer to ANSI Z359.1 and ANSI Z359.4 standards and any applicable regulations.
Energy = user weight x gravity x length of descent x number of descents.
Anchors used for work or rescue must have a strength of 3100 pounds (13.8 kN) or at least 5 times the load applied to the system. If the anchor is used for fall arrest, it must have a higher strength and meet the requirements of the ANSI Z359.1 standard.
Connections to anchors must be done in a way that does not reduce the anchor strength, and that avoids any accidental movement of the system during use. Perform a tension test on the connection before applying the full load.

9. Usage on a harness

9a. Descending
Gradually pull the handle to allow the rope to slide, always holding the brake-side rope.
9b. Extra friction
Add friction in case of difficulty controlling speed, if the rope is new or slippery, or for any use with a heavy load or with two people.
To add friction, pass the rope through an extra carabiner connected to the I'D S's carabiner, or through the auxiliary brake (sold separately).
WARNING: when using the open auxiliary brake, direct the rope so that it always stays in place inside the brake. Beware of twists or loops of rope that could cause the rope to come out of the brake.
9c. Stop position
Before letting go of the rope, make sure the handle has properly returned to the stop position. Beware of any rubbing, against the structure or equipment, that could prevent the return of the handle. If the handle is not in the stop position, it is exposed to accidental snagging that can cause unlocking.
9d. Occasional ascent
The I'D S can be moved up the rope at any time, without manipulating the handle.

10. Belay device/descender

EN 15151-1: 2012 type 8

Belay device with variable friction function for belaying in climbing and similar activities.
Use only ropes in the diameter range indicated as compatible. Specified rope diameters have a tolerance of up to 0.2 mm. The diameter of a rope and its characteristics can vary depending on usage.
Certification tests are carried out with an 80 kg mass.
10a. Always hold the brake-side rope when the climber is moving
10b. Giving slack
While holding the brake-side rope, press the cam with your thumb to allow the rope to slide. Pull the rope with the other hand.
10c. Lowering
Gradually pull the handle to allow the rope to slide, always holding the brake-side rope.

11. Usage on an anchor

The brake-side rope must pass through a directional carabiner on the anchor or through the auxiliary brake (sold separately).
WARNING: when using the open auxiliary brake, direct the rope so that it always stays in place inside the brake. Beware of twists or loops of rope that could cause the rope to come out of the brake.
11a. Lowering
Gradually pull the handle to allow the rope to slide, always holding the brake-side rope.
11b. Giving slack
While holding the brake-side rope, press the cam with your thumb to allow the rope to slide. Pull the rope with the other hand.
11c. Stop position
Before letting go of the rope, make sure the handle has properly returned to the stop position. Beware of any rubbing, against the structure or equipment, that could prevent the return of the handle. If the handle is not in the stop position, it is exposed to accidental snagging that can cause unlocking.

12. Limitations on use

These Instructions for Use specify essential parameters to follow when using the descender: mass, height, speed, compatible ropes...
Other factors can come into play, such as the condition of the rope (new ropes are often slippery), or the temperature of use (high heat reduces braking effectiveness).

The descender functions optimally under average use conditions. It reaches its performance limits when all of these parameters approach the maximum. Under these extreme use conditions, there is a risk of losing control of the descent and/or damaging the rope.

You must be more alert and not hesitate to take special precautions (add friction, reduce speed, split the descent into shorter sections using intermediate anchors...).
Limitations on use in the cold:
-40° C under normal conditions.
-4° C under exceptional cold and wet conditions (rain, water spray, condensation...). These conditions can degrade the functioning of your rope/descender assembly.

13. Additional information

- The I'D S is not suitable for use in a fall arrest system.
- Any dynamic overload can damage the rope.
- You must have a rescue plan and the means to rapidly implement it in case of difficulties encountered while using this equipment.
- The anchor point for the system should preferably be located above the user's position and should meet the requirements of the EN 795 standard (12 kN minimum strength).
- In a fall arrest system, it is essential to check the required clearance below the user before each use, in order to avoid hitting the ground or an obstacle in case of a fall.
- Make sure that the anchor point is correctly positioned, in order to limit the risk and the length of a fall.
- A fall arrest harness is the only device allowable for supporting the body in a fall arrest system.
- When using multiple items of equipment, a dangerous situation can arise in which the safety function of an item of equipment can be affected by the safety function of another item of equipment.
- WARNING - DANGER: make sure that your products do not come into contact with any abrasive materials, sharp objects, moving machinery or sources of electricity.
- Be vigilant in case of usage in areas presenting risks of an electrical, thermal, chemical or any other nature.
- Users must be medically fit for activities at height. WARNING: inert suspension in a harness can result in serious injury or death.
- The Instructions for Use for each item of equipment used in conjunction with this product must be followed.
- The Instructions for Use must be provided to the user of this equipment, in the language of the country where the equipment is used.
- Make sure the markings on the product are legible.

When to retire your equipment:
WARNING: an exceptional event can lead you to retire a product after only one use, depending on the type and intensity of usage and the environment of usage (harsh environments, marine environments, sharp edges, extreme temperatures, chemicals...).
A product must be retired when:
- It has been subjected to a major fall or load.
- It fails to pass inspection. You have any doubt as to its reliability.
- You do not know its full usage history.
- When it becomes obsolete due to changes in legislation, standards, technique or incompatibility with other equipment...
Destroy these products to prevent further use.

Icons:

A. Unlimited lifetime - B. Acceptable temperatures - C. Usage precautions - D. Cleaning - E. Drying - F. Storage/transport - G. Maintenance - H. Modifications/repairs (prohibited outside of Petzl facilities, except replacement parts) **- I. Questions/contact**

Accessories

Open auxiliary brake: for occasional extra friction.
Closed auxiliary brake: for permanent extra friction (e.g. rescue kit).

3-year guarantee

Against any material or manufacturing defect. Exclusions: normal wear and tear, oxidation, modifications or alterations, incorrect storage, poor maintenance, negligence, uses for which this product is not designed.

Warning symbols

1. Situation presenting an imminent risk of serious injury or death. 2. Exposure to a potential risk of accident or injury. 3. Important information on the functioning or performance of your product. 4. Equipment incompatibility.

Traceability and markings

a. Meets PPE regulatory requirements. Notified body performing the EU type examination - b. Number of the notified body responsible for the production control of this PPE - c. Traceability: datamatrix - d. Rope diameter and maximum working load - e. Serial number - f. Year of manufacture - g. Month of manufacture - h. Batch number - i. Individual identifier - j. Standards - k. Read the Instructions for Use carefully - l. Model identification - m. Direction of the rope - n. Maximum descent and operating temperature - o. Handle positions - p. NFPA and ANSI/ASSE certification body - q. Manufacturer address