

# I'D S

CE 0082

EN12841 : 2006  
EN341 : 1997

EAC  
TP TCO19/2011

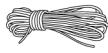
ANSI / ASSE Z359.4

Patented

(EN) Self-braking descender / belay device  
(FR) Descendeur assureur autofreinant



EN 1891 A



10 ≤ Ø ≤ 11.5 mm



533 g

## WARNING

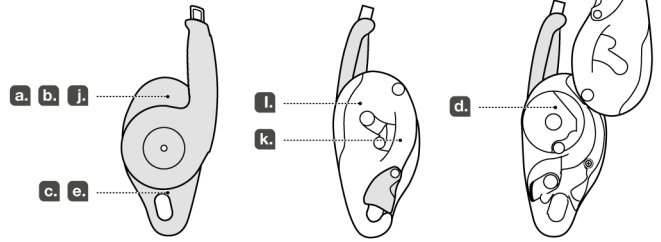
Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

- 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.**

### Traceability and markings / Traçabilité et marquage



CE 0082

- a. Body controlling the manufacture of this PPE  
b. Notified body that carried out the CE type examination
- Apave Sudeurope SAS  
5 rue Jean-Jacques Vermaaza  
Z.A.C. Saumaty-Séon - CS 60193  
13322 MARSEILLE CEDEX CEDEX 16  
N°0082

c. Traceability: **datamatrix** = product reference + individual number

d. Rope diameter

e. Serial number

YY M 0000000 000

- f. Year of manufacture  
g. Month of manufacture  
h. Lot number  
i. Individual identifier  
j. Standards  
k. Carefully read the instructions for use  
l. Model identification

Warning symbols  
Panneaux d'alertes



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ISO 9001  
© Petzl  
Made in France



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

## NFPA CERTIFICATION FOR I'D S

D20 S

THIS I'D S MEETS THE AUXILIARY EQUIPMENT REQUIREMENTS OF NFPA 1983, STANDARD ON FIRE SERVICE LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2012 EDITION.

Belay Device  
Descent control  
device type 3

MBS 14 kN  
T (TECHNICAL USE)  
MEETS NFPA 1983 (2012 ED.)



Emergency Services Descent Control Device and Belay Device  
In Accordance with NFPA 1983-2012. Also in Accordance with ANSI/ASSE Z359.4-2013

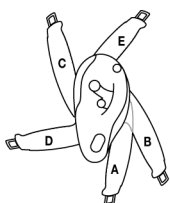
This I'D S has passed the minimum breaking strength and holding load test using the following rope : [STERLING, 3/8" HTP static, P105] and [Bluewater, 7/16" Spec-Static rope, 540700]

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.

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

2. Nomenclature  
Nomenclature

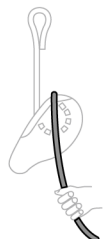
Terminology: / Terminologie :



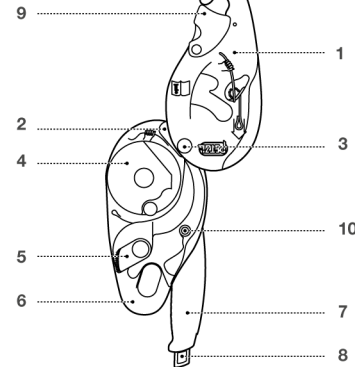
Handle positions  
Positions de la poignée



Brake hand  
Main de freinage



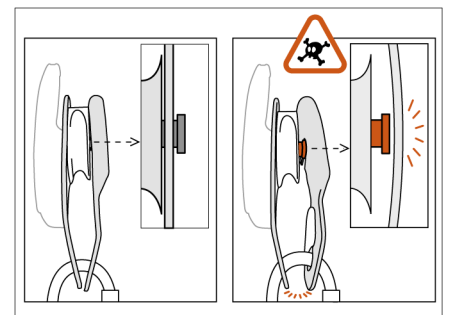
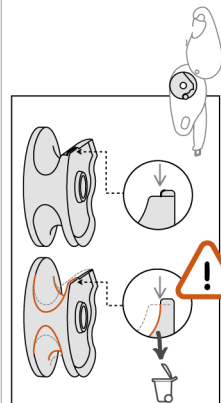
Braking side of the rope  
Corde côté freinage.



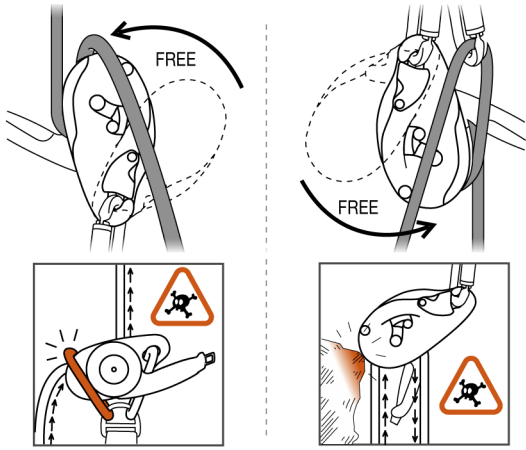
3. Inspection, points to verify  
Contrôle, points à vérifier



PPE checking  
Vérification EPI  
PETZL.COM

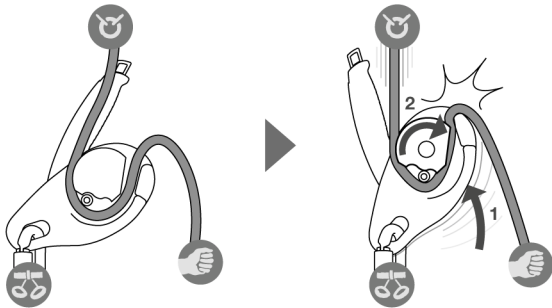


**3. Inspection, points to verify**  
Contrôle, points à vérifier

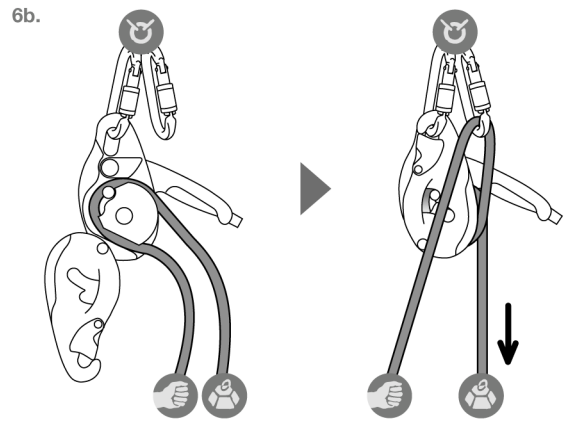
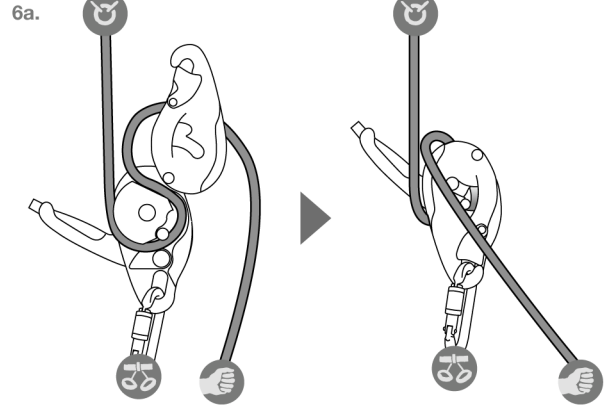


**4. Compatibility (text part)**  
Compatibilité (partie texte)

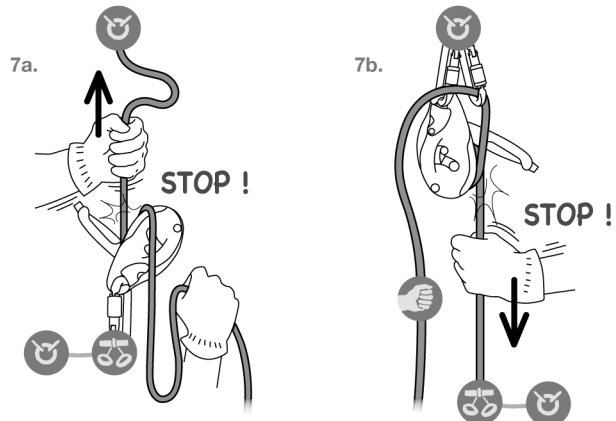
**5. Working principle**  
Principe de fonctionnement



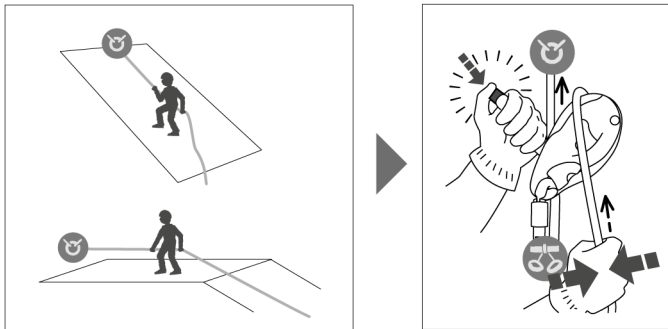
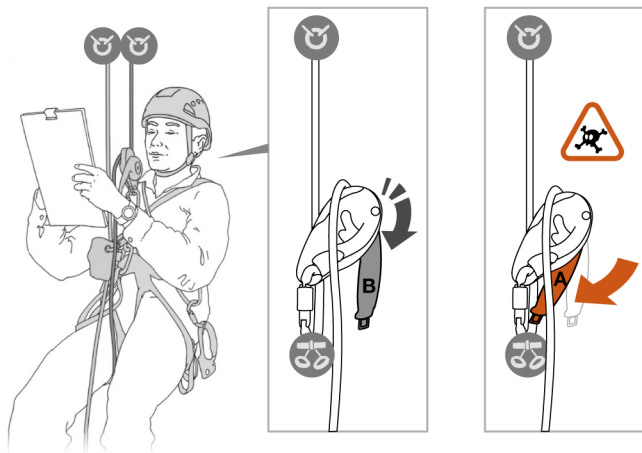
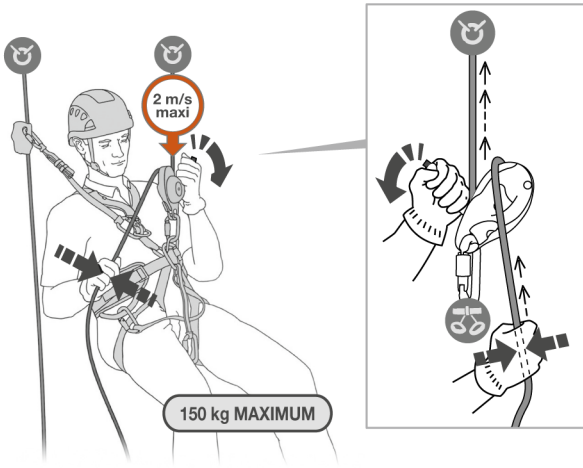
**6. Installing the rope**  
Mise en place de la corde



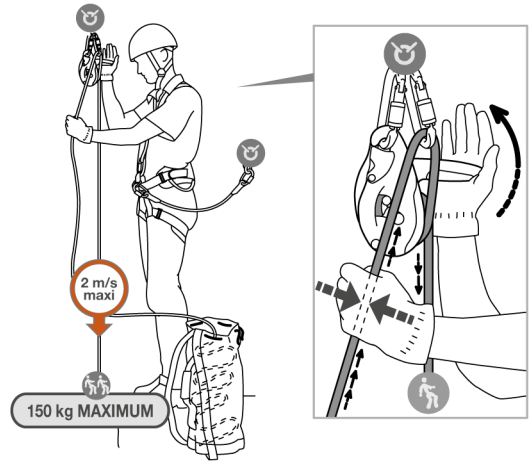
**7. Function test**  
Test de fonctionnement



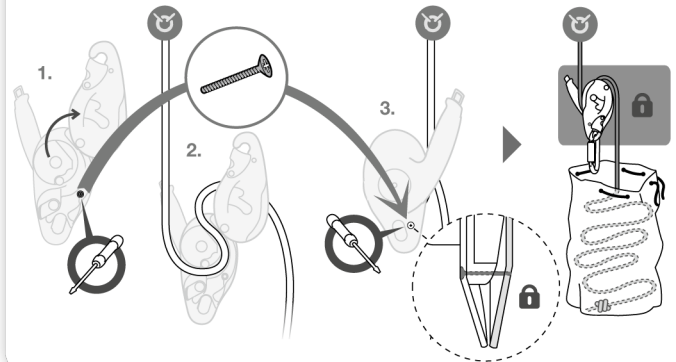
8. EN 12841: 2006 Type C  
EN 12841 : 2006 Type C



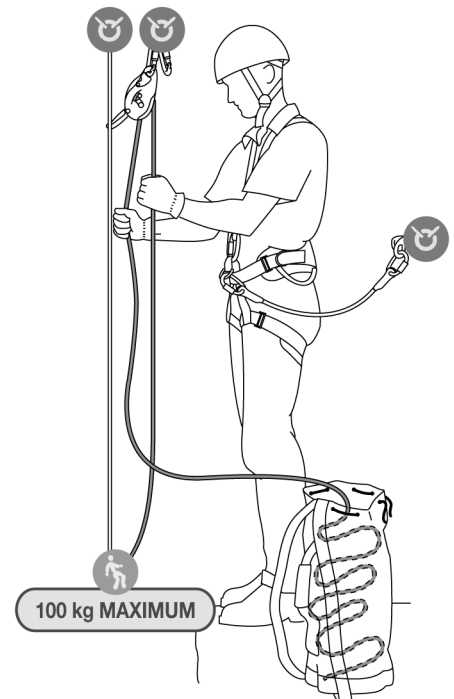
9. EN 341 class A (1997) Rescue evacuation  
EN 341 classe A (1997) Secours évacuation



Rescue kit  
kit de secours



10. Belaying  
Contre assurance : 100 kg



11. ANSI Additional information (text part)  
Informations normatives ANSI (partie texte)

**12. Additional information**  
Informations complémentaires

**A. Lifetime / Durée de vie**



**B. Acceptable T°**  
T° tolérées



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

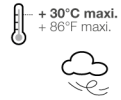


**D. Cleaning / Nettoyage**

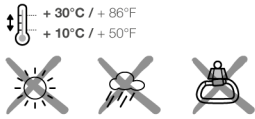


+ 30°C maxi.  
+ 86°F maxi.

**E. Drying / Séchage**



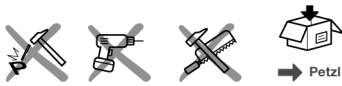
**F. Storage - Transport**  
Stockage - transport



**G. Maintenance**  
Entretien



**H. Modifications - Repairs**  
Modifications - Réparations



**I. FAQ - Contact**  
Questions - Contact



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

Multi-purpose device.  
This is not a single-use device.

### Self-braking descender/belay device

Personal protective equipment (PPE).  
Nominal load: 150 kg.

**Rope access descent:**  
EN 12841 type C rope adjuster.

**Evacuating one or more persons:**  
EN 341: 1997 type A rescue descender.

### Belaying

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) Friction plate, (3) Hinge, (4) Cam, (5) Anti-error catch, (6) Fixed side plate, (7) Handle, (8) Horizontal movement button, (9) Safety gate, (10) Screw for locking the side plates and safety gate for rescue kit.

Handle positions: (a) Transport, (b) Work positioning, (c) Descent, (d) Panic brake, (e) Belaying.  
Terminology: brake hand, brake side of the rope.  
Principal materials: aluminum alloy (side plates), stainless steel (cam, anti-error catch), nylon (handle).

## 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). 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 there are no cracks, deformation, corrosion...

- Check the cam for wear; when the cam groove becomes worn all the way to the wear indicator, discontinue use of the I'D (see diagram).
- Check the moving side plate for deformation or excessive play; if the side plate can pass over the head of the cam axle, discontinue use of the I'D (see diagram).
- Check the locking components (safety gate, locking screw, axle) and the operation of the springs in the cam, the safety gate and the anti-error catch. Verify that the cam is fully mobile.
- Verify that the horizontal movement button springs back out after it is pressed (position c).

### 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.

**WARNING - DANGER OF DEATH:** do not allow anything to interfere with the operation of the device or its components (cam, anti-error catch...). Beware of foreign objects in the I'D. Any constraint on the device negates the braking action.  
The rope between the rope adjuster and the anchor must always be taut to reduce the risk of a free fall.

## 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 362 carabiners).

### Ropes

Use only the recommended diameters and types of synthetic rope. The use of any other diameter/type of rope changes the performance of the device, especially the braking effectiveness.  
**WARNING:** certain ropes may be slippery; new ropes, small diameter ropes, wet or frozen ropes...

## 5. Working principle

When the rope becomes taut (suspension or fall), the I'D pivots on the carabiner (1) and the cam pinches and brakes the rope (2). By holding the brake side of the rope, the brake hand helps engage the cam.

## 6. Installing the rope

Connect the I'D S with a locking carabiner.  
Open the moving side plate. Put the handle in position (c) to open the cam. Insert the rope as indicated by the diagrams engraved on the device. Close the moving side plate (safety gate) on the locked carabiner.  
**WARNING:** the moving side plate must be properly engaged on the cam axle and on the carabiner.

### 6A. Device on the harness

### 6B. Device on an anchor

You must add friction by redirecting the brake side of the rope through a carabiner.  
**Warning:** the anti-error catch can catch a rope that is installed backwards, but it does not eliminate all possible errors.

## 7. Function test

Before each use, verify that the rope is correctly installed and that the device is working properly. You must always use a backup safety system when performing this test.

### 7A. Device on the harness

Pull on the anchor side of the rope; the rope must lock in the device. If not, check that the rope is correctly installed.  
Gradually put your weight onto the device (rope taut, handle in position c). With one hand holding the brake side of the rope, gradually pull on the handle with the other hand to allow the rope to slide:

- Descent is possible = rope correctly installed.
- Descent is impossible = check the installation of the rope (rope locked by the anti-error catch).

When the handle is released, the I'D brakes, then locks the rope.  
**Warning:** if your device still doesn't work (rope slippage), retire it.

### 7B. Device on the anchor

Pull on the load side of the rope; the rope should lock in the device. If not, check that the rope is correctly installed.  
**Warning:** if the rope is installed backwards without being redirected through a braking carabiner, the anti-error catch will not work.  
**Warning:** if your device still doesn't work (rope slippage), retire it.

## 8. EN 12841: 2006 type C

The EN 12841: 2006 I'D S descender is a type C rope adjuster used to descend the work rope. The I'D S is a braking device for rope that allows the user to manually control the speed of descent and to stop anywhere on the rope by releasing the handle.  
To meet the requirements of the EN 12841: 2006 type C standard, use 10-11.5 mm EN 1891 type A semi-static kernmantel ropes.  
(Note: certification testing was performed with a 150 kg mass using BEAL Antipodes and 10 mm BEAL Ginkgo ropes.)

### 8A. Descent

#### One person

Device on the harness (position c): you control your descent by varying your grip on the brake side of the rope; to descend, pull gradually on the handle. Always hold the brake side of the rope.  
Release the handle to stop the descent. In a panic situation: if the handle is pulled too much (position d) the device brakes, then locks the rope. To continue the descent, first move the handle upwards (position c).

#### Horizontal movement button

On a slope or with light loads, the panic brake activates easily. To make your descent smoother, use the horizontal movement button.  
- Do not use the horizontal movement button during a vertical descent.

### 8B. Work positioning - secured stop

After stopping at the desired location, to switch to the hands-free work positioning mode, lock the device on the rope by moving the handle in the direction opposite to that used for descent (turned to position b). For work positioning, the I'D must be set in this position.  
Once the handle has stopped at position b (positioning), do not force the handle. The handle must not be in position a (transport) with a rope in the device. There is a risk of damaging the device, which can negate the braking function.  
To unlock the system, firmly grip the brake side of the rope and move the handle into descent position.

### Information on the EN 12841 standard

**WARNING: the I'D S descender must be used with a type A backup device (e.g. ASAP) on a second rope, called the "safety rope".**

The I'D S descender is not suitable for use in an EN 363 fall arrest system.  
Attach your descender directly to the harness using an EN 362 locking carabiner. Any equipment used with your descender must be in compliance with current standards.  
When you are under tension on the work rope, make sure that the safety rope is not loaded. A dynamic overload can damage the safety rope.

## 9. EN 341 class A (1997) Rescue evacuation

Maximum descent height: 200 m.

Normal working load: 30-150 kg.

### Lowering from an anchor-point

Device on the anchor: the brake side of the rope must be redirected through a carabiner.  
Hold the brake side of the rope and move the handle up (position c) to allow the rope to slide.  
Braking is regulated by varying the grip on the brake side of the rope. Release the handle to activate the self-braking function.  
When the device is lightly loaded, if the panic brake activates too easily, use the horizontal movement button.

### Information on the EN 341 standard

- Always tie a knot at the end of the rope.
- Equipment left in place must be protected from the elements.
- Do not lose control during the descent; descend at a reasonable speed.
- Warning: the device can overheat and damage the rope during descent.

### Rescue kit

## 10. Belaying: 100 kg

**Warning:** in the event of an error (rope installed backwards), the anti-error catch will not work in this position.

Device on the anchor (position e): the belayer holds the brake side of the rope with one hand, and the second's rope with the other. Take in slack regularly. To stop a fall, firmly grip the brake side of the rope. To lower a climber, the manipulation of the device is similar to the description found under Lowering from an anchor (use a braking carabiner).

## 11. ANSI standards information

- Maximum descent height: 200 m.
- The Instructions for Use must be provided to the user of this equipment.
- The Instructions for Use for each item of equipment used in conjunction with this product must be followed.
- Product inspection must be carried out according to the manufacturer's recommendations given in the Instructions for Use and the product inspection form.
- Anchors used for a rescue must be strong enough to hold a static load of at least 13.8 kN or 3 times the load placed on the system.
- In a rescue, the anchors used for fall arrest must meet ANSI Z359.1 requirements.
- Connections to anchors must be done in a way that avoids any accidental movement of the system during rescue. Perform a tension test on the connection before applying the full load.
- In a rescue context, refer to ANSI Z359.4 and Z359.1.
- Rescue plan: you must have a rescue plan and the means to rapidly implement it in case of difficulties encountered while using this equipment.
- Warning: 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.
- Be vigilant when working near sources of electricity, moving machinery, abrasive or sharp surfaces, or in an environment presenting chemical or extreme temperature hazards.
- The energy of descent is equal to the product of the descent length, the mass of the person and the acceleration of gravity.

## 12. Additional information

- 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 any impact with the ground or with 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:** take care that your products do not rub against abrasive or sharp surfaces.
- 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 environment, 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**

## 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. Body controlling the manufacture of this PPE - b. Notified body performing the CE type exam - c. Traceability: datamatrix = serial number - d. Diameter - 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