

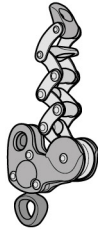


3 year guarantee

# ZIGZAG

**(EN) Doubled rope progression device for tree care**

**(FR) Appareil de progression sur corde en double pour l'élagage**



320 g

CE 0082

EN 1891 type A  
11,5 <math>\leq \varnothing < 13 \text{ mm}</math>



## WARNING

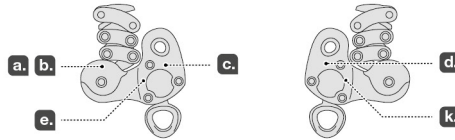
Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

- 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 inspection
- Apave Sudeurope SAS**  
BP 193 - 13322 Marseille  
Cedex 16 - France - N°0082

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

d. Rope type and diameter

e. Individual number

00 000 AA 0000

- f. Year of manufacture
- g. Day of manufacture
- h. Control or name of inspector
- i. Incrementation

k. Carefully read the instructions for use

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Latest version



Other languages



Product Experience



PPE checking

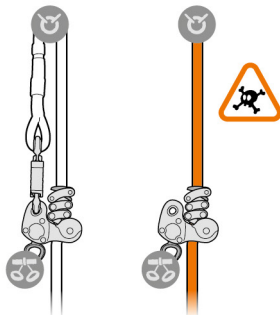
PETZL  
ZI Cldex 105A  
33920 Crolles  
France  
PETZL.COM

ISO 9001  
© Petzl  
Made in France

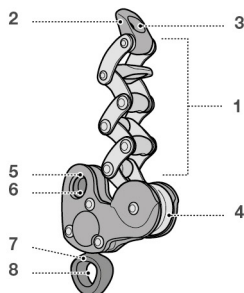


Recycled paper

### 1. Field of application / Champ d'application



### 2. Nomenclature of parts / Nomenclature

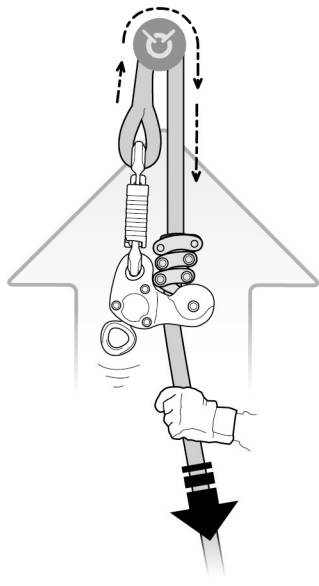


**3. Inspection, points to verify** (text part)  
 Contrôle, points à vérifier (partie texte)

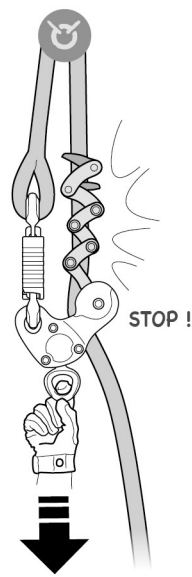
**4. Compatibility** (text part)  
 Compatibilité (partie texte)

**5. Function principle and test**  
 Principe et test de fonctionnement

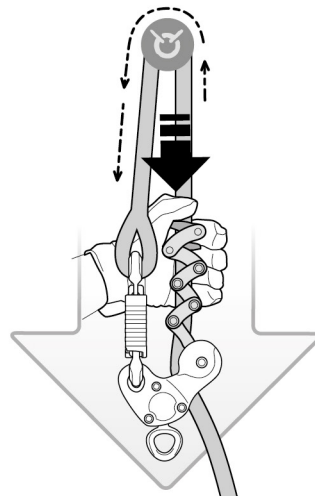
Ascent / Montée



Jamming / Blocage



Descent / Descente

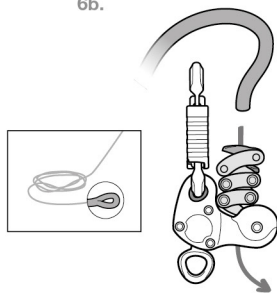


**6. Installation**  
 Installation

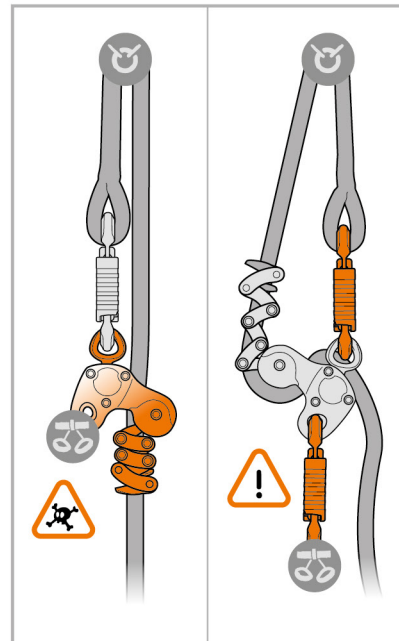
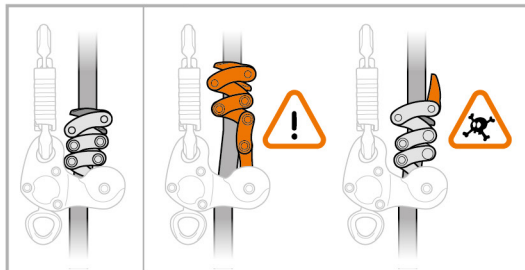
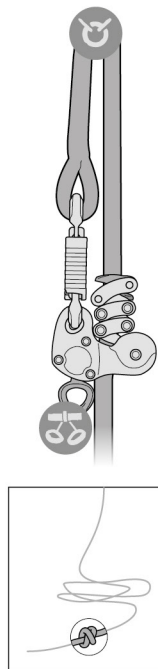
6a.



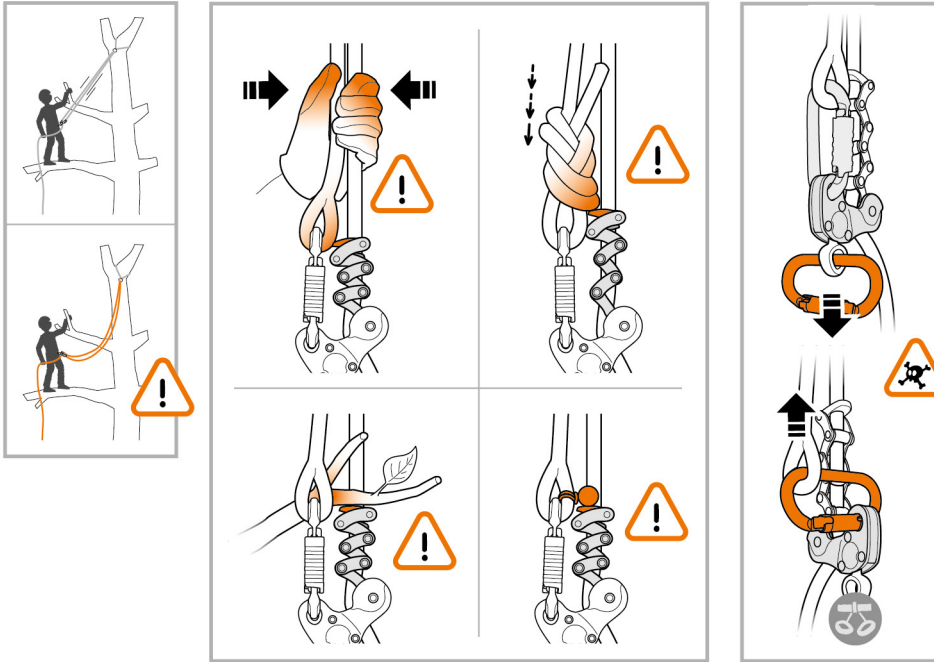
6b.



6c.

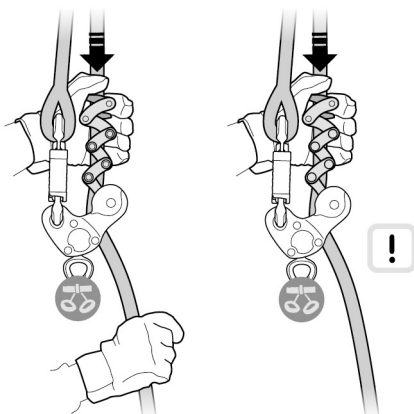


**7. Precautions for use**  
Précautions d'usage



**8. Uses**  
Usages

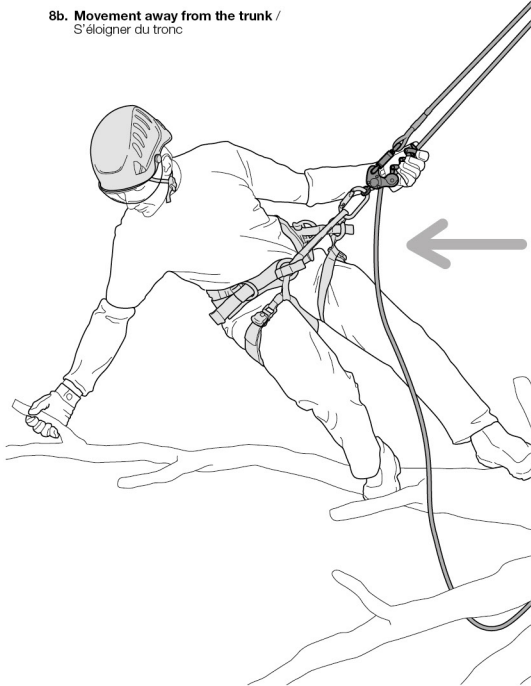
**8a. Controlling rope glide /**  
Contrôle du défillement de la corde



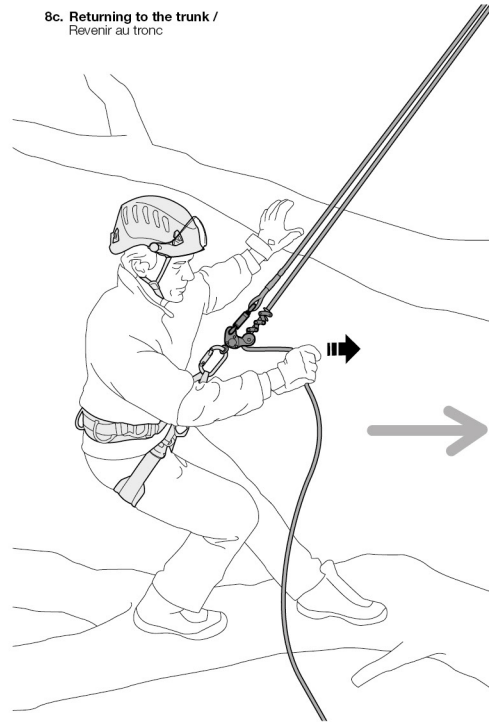
**8. Uses**  
Usages

**Movement within the tree /**  
Déplacements dans l'arbre

**8b. Movement away from the trunk /**  
S'éloigner du tronc

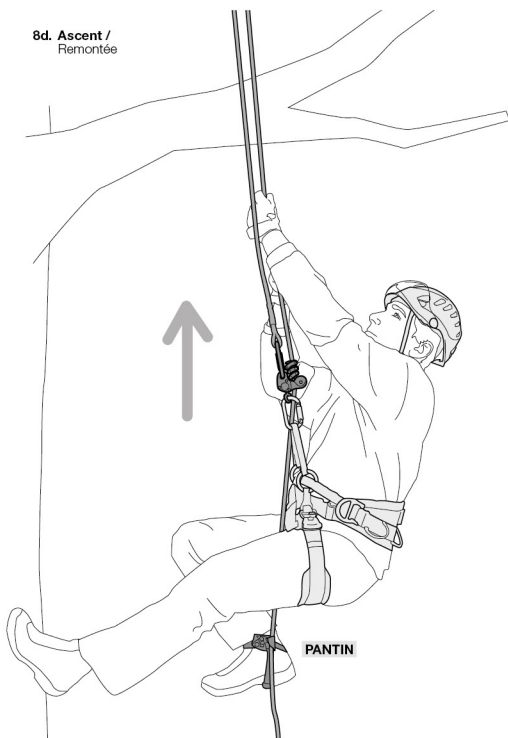


**8c. Returning to the trunk /**  
Revenir au tronc



**8. Uses**  
Usages

**8d. Ascent /**  
Remontée



**8e. Descent /**  
Descente

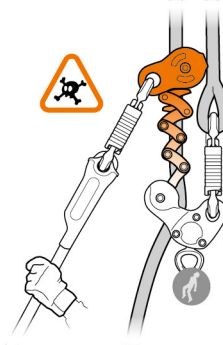


**8. Uses**  
Usages

**8f. Positioning at the work station /**  
Maintien au poste de travail



**Rescue situations /**  
Situations de secours



Product Experience

**PETZL.COM**

**9. Petzl general information (text part)**  
Généralités Petzl  
(partie texte)

**10. Additional information**  
Informations complémentaires

**A. Lifetime /** Durée de vie

unlimited  
illimitée

**B. Acceptable T°**  
T° tolérées

+ 80°C / + 176°F  
- 30°C / - 22°F

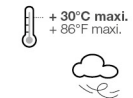
**C. Precautions for use /** Précautions d'usage



**D. Cleaning /** Nettoyage



**E. Drying /** Séchage



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

+ 30°C / + 86°F  
+ 10°C / + 50°F



**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

Personal protective equipment (PPE).

Doubled rope progression device for tree care.

Maximum working load: 140 kg/one person.

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) Friction chain, (2) Release lever, (3) Rope passage hole, (4) Sheave, (5) Rope termination attachment hole, (6) Positioning ring, (7) Swivel, (8) Harness attachment hole.

Principal materials:

Stainless steel, aluminum, plastic.

## 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 use). Follow the procedures described at [www.petzl.com/ppe](http://www.petzl.com/ppe). 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 that the product has no cracks, deformation, marks, excessive wear, corrosion...

Verify that the friction chain extends and compresses freely. Make sure there is no play in the rivets.

Verify the mobility of the release lever and the effectiveness of its spring.

Verify that the sheave turns freely and that there is no play in its axle.

Verify that the swivel turns freely.

Check the condition of the positioning ring (deformation, nicks, wear...).

### During each 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 pieces of equipment in the system are correctly positioned with respect to each other. Beware of foreign bodies, or system elements, which can impede the operation of the friction chain, or press on the release lever. Accidentally pressing the release lever can cause a fall. Make sure that connectors are loaded on the major axis.

## 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 ZIGZAG must meet current standards in your country (e.g. EN 362 connectors).

### Ropes and connectors

The ZIGZAG works only on 11.5 - 13 mm EN 1891 type A (ends included) semi-static kernmantle ropes. **WARNING:** locking effectiveness and smoothness of descent varies with the rope used (diameter, condition, texture).

Use only double auto-locking connectors. The ZIGZAG is compatible with Petzl OK and Am'D connectors. For usage with any other connector, do a compatibility test (installation, correct functioning and check for the possibilities of poor positioning).

### Rope compatibility test

Regularly test the compatibility of your rope with your ZIGZAG, and also each time the rope is changed. When hanging at a very low height on your ZIGZAG (installed on a single strand of rope without the rope termination connected to it) there should be no slippage. If there is slippage on a single strand of rope, that rope is incompatible with your device.

## 5. Function principle and test

The ZIGZAG slides along the rope in one direction and locks in the other direction. When the device is pulled, the friction chain extends and locks on the rope. Each time the device is installed onto the rope, verify that it locks in the desired direction. Pressing on the release lever allows the friction to be varied so that the rope can slide through.

## 6. Installing the ZIGZAG

### 6a. Preparation

Clip a connector into the rope termination attachment hole.

### 6b. Installation on the rope

Compress the friction chain. The arrow marked on the device must be correctly aligned. Pass the unspliced end of the rope through the release lever and all links of the friction chain.

Slide the rope through to position the ZIGZAG at the desired location, close to the manufactured termination.

Connect the ZIGZAG to the EN 813 central attachment point of the harness with a double auto-locking connector.

Never connect the harness to the rope termination attachment hole.

When connecting the device to an adjustable bridge, verify that the device stays within reach.

### 6c. Attaching the rope termination

After passing your rope through a suitable anchor, connect the rope termination to the connector in the rope termination attachment hole.

When the user has support for the feet, the ZIGZAG and the rope termination can also be connected to the EN 358 side attachment points on each side of the harness.

## 7. Precautions

Always stay below the anchor, with the system under tension, to avoid any shock load. Any dynamic loading can damage the belay system. Make sure that the anchor point is correctly positioned, in order to limit the risk and the length of a fall.

## 8. Uses

### 8a. Controlling rope glide

The ZIGZAG can be used with one hand.

Rapid rope glide can be tricky to control if there is low friction in the tree and at the anchor. In this case, we recommend holding the brake side of the rope.

**WARNING: if you do not hold the brake side of the rope, any pressure on the release lever presents a fall risk.**

### Movement within the tree

#### 8b. Moving away from the trunk

With your weight on the device (rope tensioned), press on the release lever to allow the rope to slide.

#### 8c. Returning to the trunk

Keep the rope taut by taking up slack continually as you move.

### 8d. Ascent

Push on the free end with a PANTIN or a foot-lock.

### 8e. Descent

Press on the release lever to allow the rope to slide.

**WARNING:** the doubled configuration generates high heat in the device during rapid descents.

The device reaches the temperature limit of 48° C after 10 m of descending for a 100 kg user (7 m for 140 kg). Wear gloves to avoid burns during longer descents.

### 8f. Positioning at the work station

Use a second ZIGZAG, or an adjustable lanyard, on a separate anchor.

### Other uses and rescue situations

Refer to the "Product Experience" document at [www.petzl.com](http://www.petzl.com).

## 9. Additional information

- You must have a rescue plan and the means to rapidly implement it in case of difficulties encountered while using this equipment.

- When using multiple pieces of equipment together, a dangerous situation can result if the safety function of one piece of equipment is affected by the safety function of another piece 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 respected.

- The instructions for use must be provided to users of this equipment in the language of the country in which the product is to be 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, chemical products...).

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 retired equipment 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.

### Traceability and markings

a. Body controlling the manufacture of this PPE - b. Notified body performing the CE type exam - c. Traceability: datamatrix = model number + serial number - d. Diameter - e. Serial number - f. Year of manufacture - g. Day of manufacture - h. Control or name of inspector - i. Incrementation - j. Standards - k. Read the instructions for use carefully - l. Model identification

