

COMPONENT DESCRIPTION

COEUR PULSE
REUSABLE POST-DRILLED ANCHOR 12mm

CERTIFICATION EN795 CLASS B

PRODUCT CODE SCS080

WEIGHT 140g

The COEUR PULSE is a removable high-quality stainless-steel anchor that can be installed and removed for reuse very simply and rapidly, without tools.

The locking function limits the risk of involuntary removal.

The wide, ergonomic connection hole facilitates Karabiner clipping preventing wear on connectors due to the thickness of the hanger and the rounded edges of the connection hole

A textured back prevents turning when the anchor is being installed or when laterally loaded during use.

DESIGN CRITERIA

HOLE DIAMETER	12mm
DRILLING DEPTH	65mm
PULL-OUT STRENGTH IN CONCRETE	50MPa
MINIMUM EDGE DISTANCE	1000mm

For optimal use of the anchor, the hole must be perfectly cylindrical. To this end, opt for a drill bit with three or four cutting edges.



Supplied with manufacturers instructions.



IMPORTANT

IF YOU ARE IN ANY DOUBT ABOUT THE CONDITION, CERTIFICATION DATES OR SAFE USE OF THE EQUIPMENT PLEASE CONTACT SCISSORSAFE LTD.



3 year guarantee / Garantie 3 ans

COEUR PULSE

Ø 12 mm

PULSE

Ø 8 mm

CE 0082 **EN 795: 2012**

Removable locking anchor device

Dispositif d'ancrage amovible à verrouillage.



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



PETZL
F-38920 Crolles
Cidex 105A
PETZL.COM
ISO 9001
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Sustaining our Community
Au service de la Communauté
FONDATION-PETZL.ORG

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.

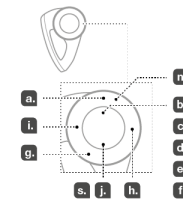
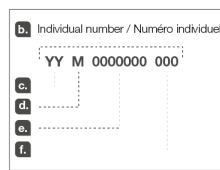
Avant d'utiliser cet équipement, vous devez :

- 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 inhérents.

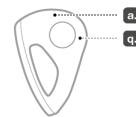


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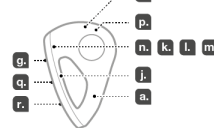
Traceability and markings /
Traçabilité et marquage



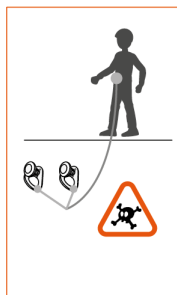
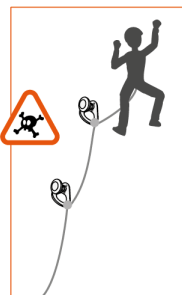
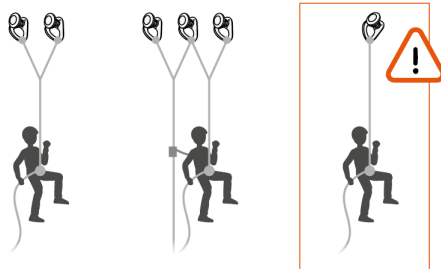
Ø 8 mm



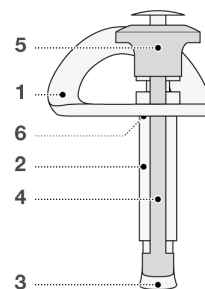
Ø 12 mm



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



2. Nomenclature



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



PPE checking
Vérification EPI
PETZL.COM



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

- In addition to routine checks for each use, PPE should regularly undergo a detailed inspection by a competent person. Petzl recommends an inspection every 12 months and after any exceptional event in the life of the product.
 - PPE inspection should be conducted with the manufacturer's Instructions for Use.
- Download the instructions at [PETZL.COM](https://www.petzl.com).

PULSE / COEUR PULSE

1. Known product history

Any PPE showing unexpected degradation should be quarantined, pending a detailed inspection.

The user should:

- Provide precise information on the usage conditions.
- Report any exceptional event regarding his/her PPE.
(Examples: fall or fall arrest, use or storage at extreme temperatures, modification outside manufacturer's facilities...).

2. Preliminary observations

Verify the presence and legibility of the serial number and the CE mark.

Note: the serial number code on our products is evolving. Two types of code will coexist. See below for details on each serial number code.

Code A:

00 000 AA 0000

Year of manufacture	_____
Day of manufacture	_____
Name of Inspector	_____
Incrementation	_____

Code B:

00 A 0000000 000

Year of manufacture	_____
Month of manufacture	_____
Batch number	_____
Incrementation	_____

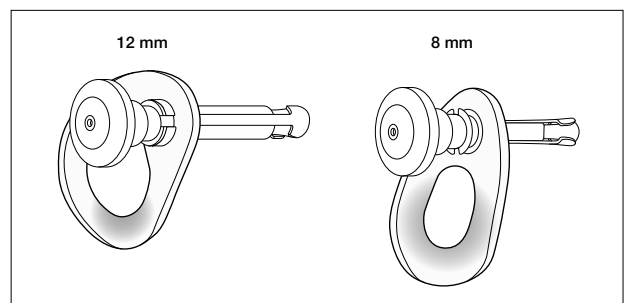
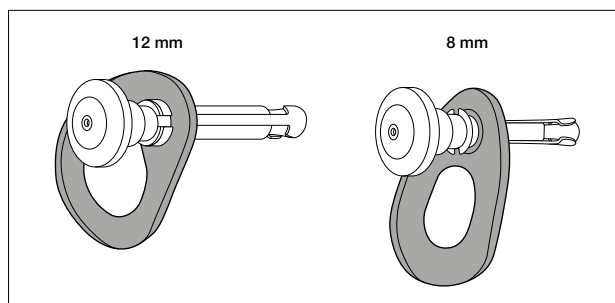
Verify that the product lifetime has not been exceeded.

Compare with a new product to verify there are no modifications or missing parts.

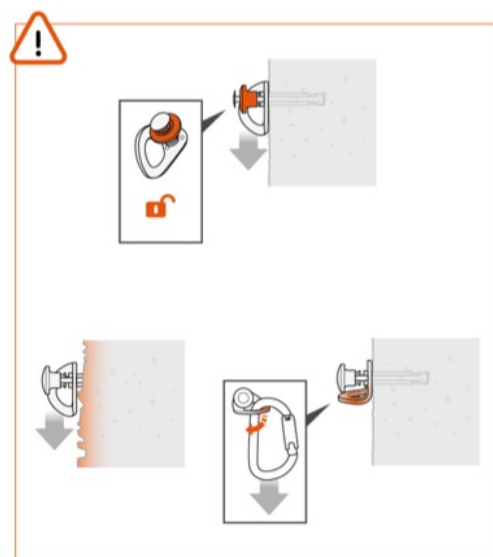
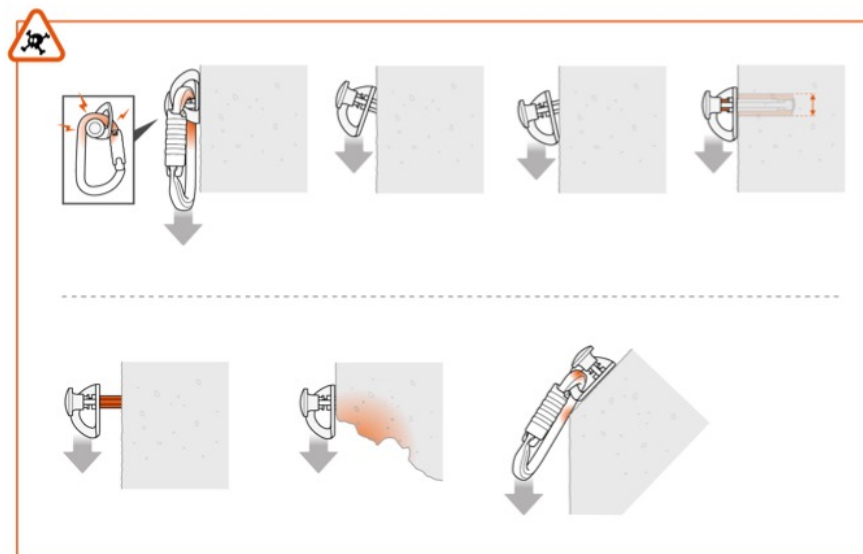
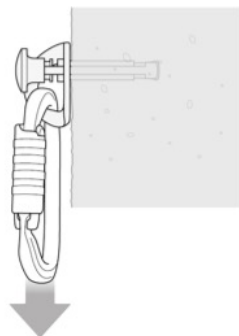
3. Inspecting the hanger

- Check the condition of the hanger (marks, deformation, cracks, corrosion...).

- Check the attachment hole: absence of deformation or of a sharp edge that could damage a sling threaded through the hanger.



5. Installing the anchor
Installation de l'ancrage



6. Resistance Résistance

	OCEUR PULSE Ø 12 mm	PULSE Ø 8 mm
	50 Mpa	50 Mpa
	25 kN	15 kN
	20 kN	12 kN



7. Precautions (text part) Précautions (partie texte)

Maximum load before deformation
Effort maximal avant déformation

OCEUR PULSE Ø 12 mm	PULSE Ø 8 mm
	
6 kN	3 kN
	
6 kN	3 kN

8. Additional information Informations complémentaires

A. Lifetime / Durée de vie

∞ unlimited
illimitée

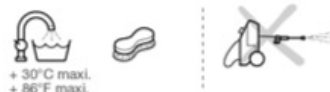
B. Acceptable T° T° tolérées

± 80°C / + 176°F
- 40°C / - 40°F

C. Precautions for use / Précautions d'usage



D. Cleaning / Nettoyage



F. Storage - Transport Stockage - transport



H. Modifications - Repairs Modifications - Réparations



E. Drying / Séchage



G. Maintenance Entretien



I. FAQ - Contact Questions - Contact



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

This equipment is personal protective equipment (PPE) used for fall protection.
EN 795: 2012 type B removable locking anchor device.
For single-person use only.
Do not use this equipment as a means of hoisting.
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) Hanger, (2) Shaft, (3) Wedge cone, (4) Moving wedge plates, (5) Lockable release plunger, (6) O-ring.

Principal materials: stainless steel, aluminum.

12 mm version hanger: stainless steel (316L).

8 mm version hanger: aluminum.

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.
It is recommended that you write the next inspection date on your product.

Before each use

Check the condition of the anchor: surface degradation, wear, corrosion, deformation, cracks.

Check the condition of the wedge cone: surface degradation, wear, corrosion, deformation, cracks.

Verify that the release plunger and its spring are working properly and are not fouled. Verify that the moving wedge plates slide freely on the wedge cone. Verify that the plunger locks properly (compare to a new product).

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.

4. Compatibility

Verify that this product is compatible with the other elements of the system in your application (compatible = good functional interaction).

The carabiner used with the hanger must meet current standards in your country (e.g. EN 362 or EN 12275 connector depending on the type of application).
The PULSE 8 mm is compatible with VRILLE and COUDEE hangers sold since 2018.

5. Installing the anchor

Check the quality of the supporting medium around the anchor. Make sure the rock is solid and uniform.

a. After cleaning the area of rock to be drilled, drill a hole of the proper diameter and minimum depth for your anchor model:

- 50 mm depth for the 8 mm diameter model.

- 65 mm depth for the 12 mm diameter model.

To make a round hole, use a perfectly straight drill bit with three or four cutting edges.

Drill straight, without trying to enlarge the hole with the drill bit.

Use only a metric drill bit; do not convert from inches.

Warning: if you use a preexisting hole, make sure it is the proper size and in good condition.

b. Clean the hole with a brush, then with a blower. The inside of the hole must be dry; beware especially of the presence of grease.

c. Pull the plunger to enable the shaft to be inserted into the hole. Place the hanger flat against the rock. Release the plunger and lock it.

Locking the plunger helps avoid any mishandling that could lead to unlocking; it does not affect anchor strength.

d. Testing the placement:

After each installation, verify that the shaft is securely held in the hole. Verify there is no play between the rock and the shaft.

Placement indicator: verify that the plunger is not in contact with the hanger (sign of a hole that is too big, risk of poor hold of the anchor).

Warning: the locking of the plunger does not make it possible to assess the quality of the installation.

Removal:

Unlock the plunger to allow removal of the anchor. Inspect the shaft before every use.

6. Strength

The breaking strength values given were obtained from tests done in 50 MPa concrete (high quality concrete, or rock). Common concrete has a weaker compressive strength, about 25 MPa.

The anchor breaking strength values depend on the quality of the supporting medium and on the quality of the placement.

Warning: anchor strength can be near zero in case of poor installation and/or poor supporting medium.

Warning: in soft rock, the anchor strength may be reduced. It might be necessary to use a longer or different type of anchor, and to conduct strength tests in the field. If you have any doubt about anchor strength after installation, conduct an axial pull test up to a maximum value of 6 kN (COEUR PULSE 12 mm) or 3 kN (PULSE 8 mm).

7. Precautions

An anchor should never be used alone; follow the principle of redundancy: use two anchors in a complementary manner.

Always stay below the anchor.

Avoid prolonged use in a marine or corrosive environment.

Maximum load before deformation: the anchor undergoes irreversible deformation above loads of 6 kN (COEUR PULSE 12 mm) or 3 kN (PULSE 8 mm).

8. Additional information

This product meets the requirements of Regulation (EU) 2016/425 on personal protective equipment. The EU declaration of conformity is available at Petzl.com.

- When the anchor device is used as part of a fall arrest system, the user must be equipped with a means of limiting the impact force, exerted on the user when the fall is arrested, to a maximum value of 6 kN.

- The maximum load that can be transmitted to the structure by the anchor is on the order of 12 kN.

- For long-term anchor installations on a sea cliff or in any other highly corrosive environment, the lifetime of the anchor is significantly reduced.

- 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 environments, sharp edges, extreme temperatures, chemicals...).

A product must be removed and 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. Manufacturer - b. Serial number - c. Year of manufacture - d. Month of manufacture - e. Batch number - f. Individual Identifier - g. Model identification - h.

Traceability: datamatrix - i. Locking direction - j. Standards - k. Hanger batch number - l. Hanger year of manufacture - m. Trimester - n. Read the Instructions for Use carefully - o. Diameter - p. 316L stainless steel - q. Shear strength - r.

Single-person use - s. Meets PPE regulatory requirements. Notified body performing the EU type examination - t. Number of the notified body responsible for the production control of this PPE