PETZL

LOW STRETCH KERNMANTEL ROPE
CORDES SEMI-STATIQUES

CE 0082 EN 1891 type A | UKCA 0120 XF 494 - 2004 | EAC TPTC019/2011 | NFPA

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.

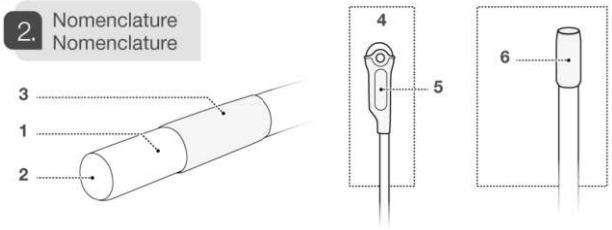
Les activités impliquant l'utilisation de cet équipement sont par nature dangereuses.
Vous êtes responsable de vos actes, de vos décisions et de votre sécurité.

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.

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

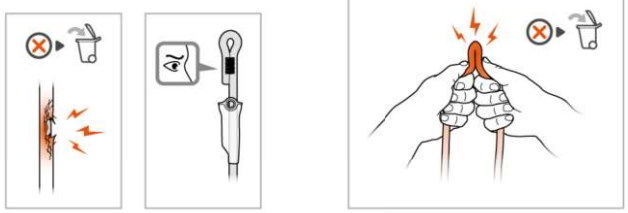
2. Nomenclature / Nomenclature

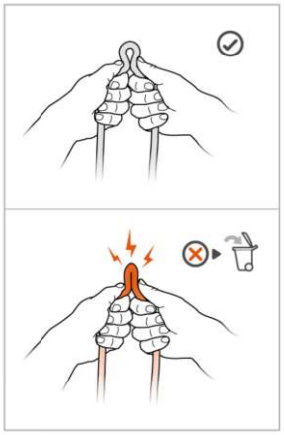


Performance / Performances	PARALLEL 10,5mm (option)	DURALINE 10,5mm	AXIS 11mm (option)	VECTOR 12,5mm (option)
1. Standard / 1. Norme	EN 1891 type A NFPA T XF 494-2004: FZL-S-Q10.5	EN 1891 type A NFPA T XF 494-2004: FZL-S-Q10.5	EN 1891 type A NFPA T ANSI Z459.1 XF 494-2004: FZL-S-Q11	EN 1891 type A NFPA G XF 494-2004: FZL-S-Q12.5
2. Diameter (mm) / 2. Diamètre (mm)	10,5	10,5	11	12,5
3. Sheath slippage (%) / 3. Glissement de la gaine (%)	1	0,8	1,3	0,8
4. Elongation between 50 to 150 daN (%) / 4. Allongement entre 50 et 150 daN (%)	3,4	2,3	3	2,8
5. Mass of the sheath (%) / 5. Masse de la gaine extérieure (%)	45	40	41	46
Mass of the core (%) / Masse de l'âme (%)	55	60	59	54
6. Mass per unit length (g/m) / 6. Masse par unité de longueur (g/m)	75	75	82	111
7. Static strength without knots / Minimum Breaking Strength : (kN) 7. Résistance statique sans extrémités préparées : (kN)	27	29,5	30	40
8. Static strength with figure eight knots at the ends (kN) / 8. Résistance statique avec noeuds de huit aux extrémités (kN)	15	18	19	23
9. Static strength with sewn termination (kN) / 9. Résistance statique avec terminaison cousue (kN)	22	X	22	34
10. Shrinkage (%) / 10. Rétractation (%)	2	2,9	2	1,9
11. Number of carriers / 11. Nombre de fuseaux	32	32	32	32

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

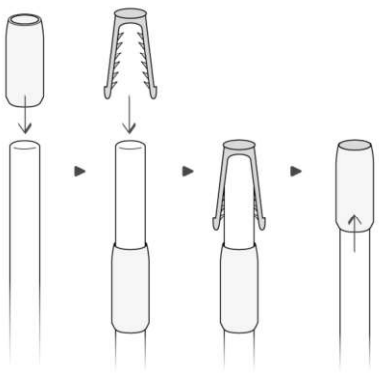
PPE checking
Vérification EPI
PETZL.COM





Accessories
Accessoires

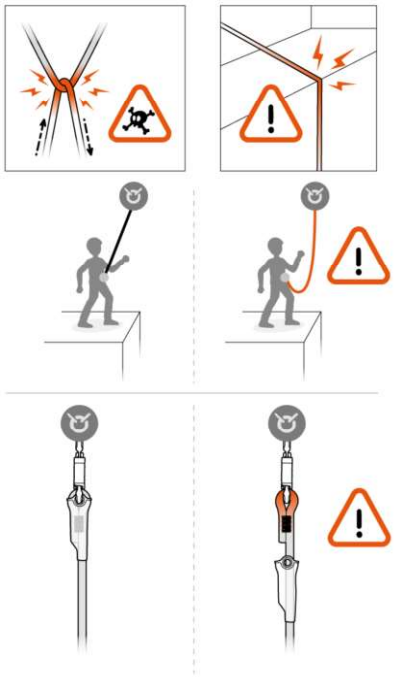
Embout de marquage



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

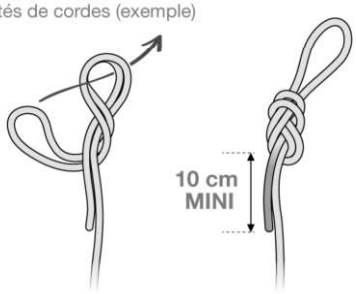
5. Precautions for use
Précautions d'usage

Sharp edges / Friction
Arêtes tranchantes / Frottements

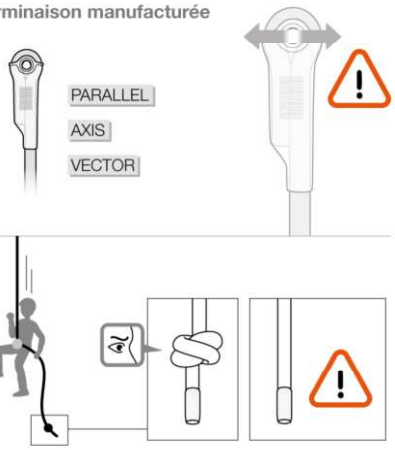


Rope ends (example)
Extremités de cordes (exemple)

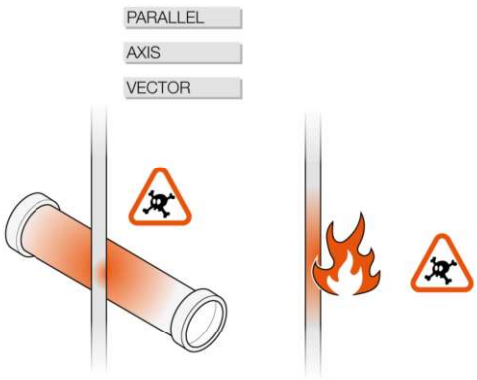
Huit

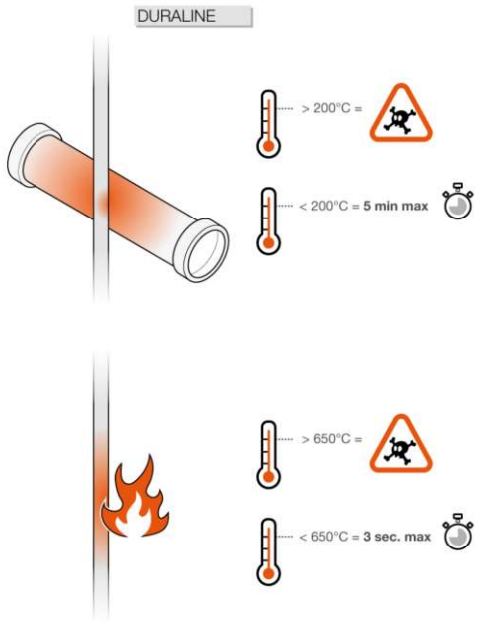


Terminaison manufacturée



5. Precautions for use
Précautions d'usage





6. Additional information
Informations complémentaires

A. Lifetime / Durée de vie

Serial n° / Numéro de série

B. Markings
Marquage

C. Acceptable T°
T° tolérées

D. Precautions for use / Précautions d'usage

E. Cleaning / Nettoyage

F. Drying / Séchage

G. Storage - Transport
Stockage - transport

H. FAQ - Contact
Questions - Contact

Distributed by:

CONFORME AUX EXIGENCES POUR CORDES DE SECURITE DE LA NORME NFPA 1983, INCORPORÉES DANS L'ÉDITION 2022 DE LA NFPA 2500.

CORDE DE SECURITE

PARALLEL 10.5 mm
CLASS: **TECHNICAL-USE ROPE**
CHARGE MINIMALE DE RUPTURE: **27 kN**
DIAMETRE: **10.5 mm**
TYPE DE FIBRES : **POLYESTER, POLYAMIDE**

ELONGATION SOUS 1.35 kN - 300 lbf: **4.2 %**
ELONGATION SOUS 2.7 kN - 600 lbf: **7.8 %**
ELONGATION SOUS 4.4 kN - 1000 lbf: **11.3 %**

AXIS 11 mm
CLASS: **TECHNICAL-USE ROPE**
CHARGE MINIMALE DE RUPTURE: **30 kN**
DIAMETRE: **11 mm**
TYPE DE FIBRES : **POLYESTER, POLYAMID**

ELONGATION SOUS 1.35 kN - 300 lbf: **3.8 %**
ELONGATION SOUS 2.7 kN - 600 lbf: **7 %**
ELONGATION SOUS 4.4 kN - 1000 lbf: **11 %**

VECTOR 12.5 mm
CLASS: **GENERAL-USE ROPE**
CHARGE MINIMALE DE RUPTURE: **40 kN**
DIAMETRE: **12.5 mm**
TYPE DE FIBRES: **POLYESTER, POLYAMID**

ELONGATION SOUS 1.35 kN - 300 lbf: **2.5 %**
ELONGATION SOUS 2.7 kN - 600 lbf: **5 %**
ELONGATION SOUS 4.4 kN - 1000 lbf: **8 %**

DURALINE 10.5 mm
CLASS: **TECHNICAL-USE ROPE**
CHARGE MINIMALE DE RUPTURE: **29,5 kN**
DIAMETRE: **10.5 mm**
TYPE DE FIBRES: **ARAMID, POLYAMID**

ELONGATION AT 1.35 KN - 300 LBF: **4.6%**
ELONGATION AT 2.7 KN - 600 LBF: **7.7 %**
ELONGATION AT 4.4 KN - 1000 LBF: **10.8 %**

CONFORME AUX EXIGENCES POUR TERMINAISONS COUSUES MANUFACTUREES DE LA NFPA 1983, NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

TERMINAISON COUSUE MANUFACTUREE (Optionnel)

PARALLEL 10.5 mm

CHARGE DE RUPTURE MINIMALE : **22 kN**
TYPE DE FIL : **POLYESTER**

AXIS 11 mm

CHARGE DE RUPTURE MINIMALE : **22 kN**
TYPE DE FIL : **POLYESTER**

VECTOR 12.5 mm

CHARGE DE RUPTURE MINIMALE : **34 kN**
TYPE DE FIL : **POLYESTER**

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 la NFPA 1500, NFPA 1858 et NFPA 1983, incorporées dans l'édition 2022 de la norme NFPA 2500.

MEETS THE LIFE SAFETY ROPE REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

LIFE SAFETY ROPE

PARALLEL 10.5 mm
CLASS: **TECHNICAL-USE ROPE**
MINIMUM BREAKING STRENGTH : **27 kN**
DIAMETER: **10.5 mm**
TYPE OF FIBER: **POLYESTER, POLYAMID**

ELONGATION AT 1.35 kN - 300 lbf: **4.2 %**
ELONGATION AT 2.7 kN - 600 lbf: **7.8 %**
ELONGATION AT 4.4 kN - 1000 lbf: **11.3 %**

AXIS 11 mm
CLASS: **TECHNICAL-USE ROPE**
MINIMUM BREAKING STRENGTH : **30 kN**
DIAMETER: **11mm**
TYPE OF FIBER: **POLYESTER, POLYAMID**

ELONGATION AT 1.35 kN - 300 lbf: **3.8 %**
ELONGATION AT 2.7 kN - 600 lbf: **7 %**
ELONGATION AT 4.4 kN - 1000 lbf: **11 %**

VECTOR 12.5 mm
CLASS: **GENERAL-USE ROPE**
MINIMUM BREAKING STRENGTH : **40 kN**
DIAMETER: **12.5 mm**
TYPE OF FIBER: **POLYESTER, POLYAMID**

ELONGATION AT 1.35 kN - 300 lbf: **2.5 %**
ELONGATION AT 2.7 kN - 600 lbf: **5 %**
ELONGATION AT 4.4 kN - 1000 lbf: **8 %**

DURALINE 10.5 mm
CLASS: **TECHNICAL-USE ROPE**
MINIMUM BREAKING STRENGTH : **29,5 kN**
DIAMETER: **10.5 mm**
TYPE OF FIBER: **ARAMID, POLYAMID**

ELONGATION AT 1.35 KN - 300 LBF: **4.6%**
ELONGATION AT 2.7 KN - 600 LBF: **7.7 %**
ELONGATION AT 4.4 KN - 1000 LBF: **10.8 %**

MEETS THE MANUFACTURER SUPPLIED EYE TERMINATIONS REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

MANUFACTURER SUPPLIED EYE TERMINATION (optional)

PARALLEL 10.5 mm

MINIMUM BREAKING STRENGTH: **22 kN**
THREAD FIBER: **POLYESTER**

AXIS 11 mm

MINIMUM BREAKING STRENGTH: **22 kN**
THREAD FIBER: **POLYESTER**

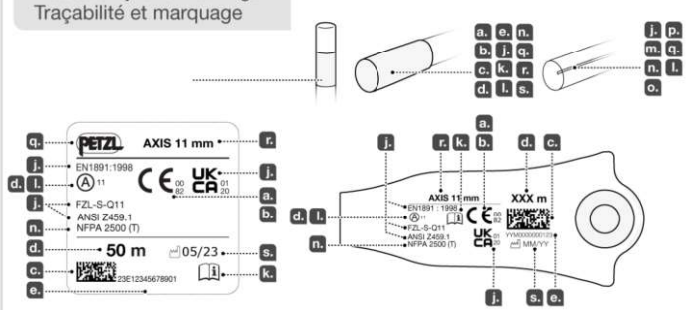
VECTOR 12.5 mm

MINIMUM BREAKING STRENGTH: **34 kN**
THREAD FIBER: **POLYESTER**

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 life safety rope and manufacturer-supplied eye terminations can be found in NFPA 1500 and NFPA 1858 and NFPA 1983, incorporated in the 2022 edition of NFPA 2500.

Distributed by:

Traceability and markings
Traçabilité et marquage



PARALLEL AXIS VECTOR	DURALINE	Serial number / Numéro de serie
CE 0082	CE 0082	YY M 0000000 000
Apave Exploitation France SAS 6 Rue du Général Audran 92412 Courbevoie cedex France N°0082	TÜV AUSTRIA SERVICES GMBH Deutschstraße 10 A-1230 Wien N°0408	

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
FR-38920 Crolles
Cidex 105A
PETZL.COM

Fondation

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

UK CA 0120

This product is compliant with the Regulation 2016/425 on Personal Protective Equipment as brought into UK law and amended.
Ce produit est conforme au règlement 2016/425 sur les équipements de protection individuelle tel que transposé en droit britannique et modifié.

Approved body performing the UKCA type examination and the production control of this PPE :
Organisme approuvé intervenant pour l'examen UKCA de type et le contrôle de production de cet EPI :

SGS United Kingdom Ltd
Inward Way
Rossmore Business Park
Ellesmere Port, Cheshire, CH65 3EN
United Kingdom
N° 0120

Authorized Representative in UK : PETZL UK Agency, Unit 3-7, Tebay Business Park, Old Tebay, Penrith, CA10 3SS, United Kingdom

China standards / 中国标准

When operating under the XF 494-2004 standard, the rope must be inspected by a competent person, according to the inspection procedures and operating procedures described at Petzl.com, before and after each use.

当根据XF 494-2004标准操作时，绳索必须由一名有资质的人员按照Petzl.com网站上所描述的检查步骤和操作过程进检查

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NorSafe WE PROTECT

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 from height.
EN 1891: 1998 low stretch kernmantle rope.
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) Sheath, (2) Core, (3) Rope-end marking, (4) Sewn termination (optional), (5) Protective sleeve, (6) Marking end.
Principal materials: nylon, polyester. DURALINE: aramid (sheath), nylon (core).

3. Inspection, points to verify

Your safety depends upon 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

Visually check the condition of the sheath along the entire length of the rope. Make sure there are no cuts, burns, frayed strands, fuzzy areas, or signs of chemicals... Carry out a tactile inspection of the core along the entire length of the rope, as indicated in the diagram. This allows you to detect areas where the core is damaged (hard spot, mushy area...).
Check the condition of the sewn terminations (wear, burns, frayed strands, fuzzy areas, or signs of chemicals) and the condition of the plastic sleeve (deformation, cuts...).

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 sharp edges and rubbing that can damage the rope.

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 rope must meet current standards in your country (e.g. EN 12275 or EN 362 carabiners).
Make sure that your rope is compatible with the devices used with it: see their Instructions for Use.
If using a rope adjuster, verify that it is compatible with the rope's diameter (see the marking on the rope adjuster).
WARNING: a new rope can be slippery; the effectiveness of belay/rappel devices may be reduced. Familiarize yourself with the use of your new rope.
WARNING: check that there are no burrs or sharp edges on the carabiners or other devices that come into contact with your rope.

5. Usage precautions

WARNING: type B ropes have a lower performance level than type A ropes: they are more susceptible to abrasion, cuts, normal wear... It is important to pay greater attention to reducing the potential for falls.
Type A ropes are better suited than type B ropes for use in rope access and work positioning.

Environment

WARNING: chemicals, heat, abrasion, ultraviolet light and sharp edges can damage your rope.
If necessary, be sure to use a rope protector or a deviation.
Contact Petzl if you have any doubts.

Aging

WARNING: a rope swells with use and can shrink in length by up to 15 %. Regularly check the length of your rope.

Ice and moisture

A wet or icy rope is less abrasion resistant. It is also harder to control in belay/rappel devices.

Descent

A knot at the end of the rope is a necessary precaution in certain situations.
Avoid descending too rapidly: there is a risk of burns and accelerated wear of the rope.

Cutting the rope

If a rope is cut into several lengths, mark the ends with the correct lengths and end-markings. Cutting a rope makes you responsible for measuring the new lengths and adding new markings. It is recommended to follow the UIAA protocol for cutting and measuring your rope, and to add a margin of 3% to address shrinkage over the life of the rope. The new lengths of rope must each be furnished with a copy of the Instructions for Use.

Rope ends

Tie a figure-eight knot (for example) or use a manufactured termination.

Accidental exposure to heat or flame

Use your ropes at a maximum ambient temperature of 80° C. Avoid any exposure to heat above 80° C, or to flame.
The sheath on DURALINE provides protection against heat and flame only in cases of brief exposure (wrong move, incident, rescue...). After any such incident, inspect the condition of the rope before any further use.

6. 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.
- For belaying a lead climber, preferably use an EN 892 dynamic 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 (minimum strength of 12 kN).
- 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. Avoid slack in the rope between the user and the anchor point.
- 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: ensure 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.
- Keep the Instructions for Use in a permanent file for reference after removing them from the equipment.
- 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 or exposure to flames, chemicals...).
A product must be retired when:
- It has exceeded its lifespan.
- 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 (e.g. an illegible product marking).
- 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. Lifespan: 10 years - B. Marking - C. Acceptable temperatures - D. Usage precautions.

Avoid all contact with chemicals, especially acids that can destroy the fibers.

E. Cleaning/disinfection - F. Drying - G. Storage/transport - H. Maintenance - I. Modifications/repairs (prohibited outside of Petzl facilities, except replacement parts) - J. 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. 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. Diameter, length of rope - 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. Rope type - m. Material - n. NFPA certification body - o. Year of manufacture - p. Quarter of manufacture - q. Manufacturer name - r. Model identification - s. Date of manufacture (month/year)

Specifications

1. Standard
2. Diameter (mm)
3. Sheath slippage (%)
4. Elongation between 50 and 150 daN (%)
5. Mass of the sheath (%)
6. Mass per unit length (g/m)
7. Static strength without terminations (kN)
8. Static strength with figure-eight knots at the ends (kN)
9. Static strength with sewn termination (kN)
10. Shrinkage (%)
11. Number of carriers

NFPA-specific information:
Elongation at 1.35 kN (%).
Elongation at 2.7 kN (%).
Elongation at 4.4 kN (%).

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