
PETZL®

# ZILLON

Experience

• This “Product Experience” document is a supplement to the Instructions For Use. It provides feedback from field experience and tips for using your product
• It must be used in conjunction with the Instructions for Use

## Important / remember

• Read the Instructions for Use carefully before looking at the following techniques
• You must have already read and understood the information in the Instructions for Use to be able to understand this supplementary information
• Mastering these techniques requires specific training
• Work with a professional to confirm your ability to perform these techniques safely and independently before attempting them unsupervised

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

# Table of contents



**Each piece of information is listed according to the technical level required for its application. Respect your own level when choosing your techniques.**

FOR BEGINNER ◇◇◇

**Beginner technique**

Technique usable by a trained practitioner of the activity.

NOT FOR BEGINNER ◇◇◇

**Technique for a certified practitioner**

Technique for a person trained and certified in the activity.

EXPERT ONLY ◇◇◇

**Expert technique**

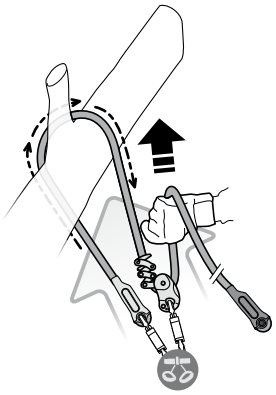
Technique only for experts in the activity.

**Icons legend**

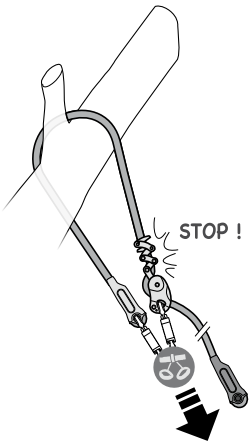
- user
- climber
- victim
- rappel
- victim + rescuer
- fall
- mass of user
- hand
- anchor
- mass
- small mass
- harness

## FOR ANYONE 1. Review of primary functions

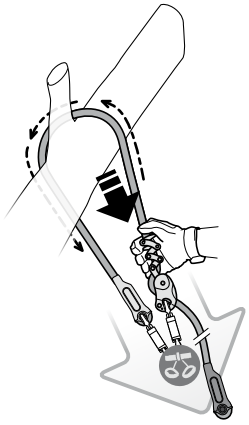
Shorten the lanyard



Work positioning

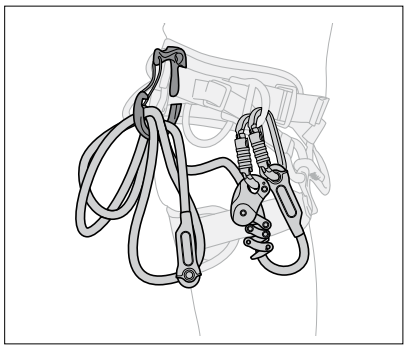



Extend the lanyard

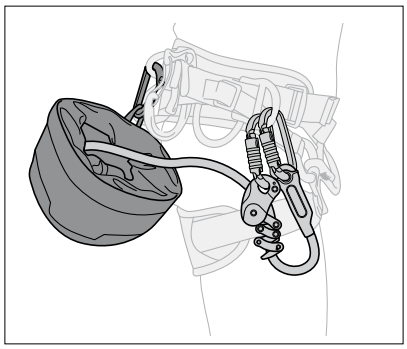


## FOR ANYONE Stowing the reserve rope

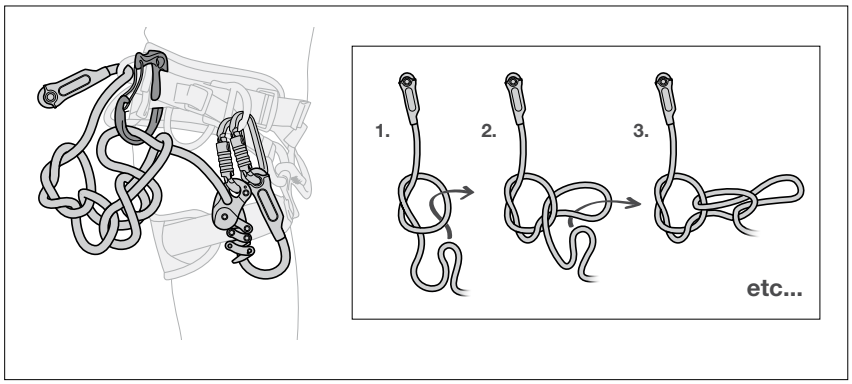
There are several ways to prevent the free end of the lanyard from hooking on branches while moving around.



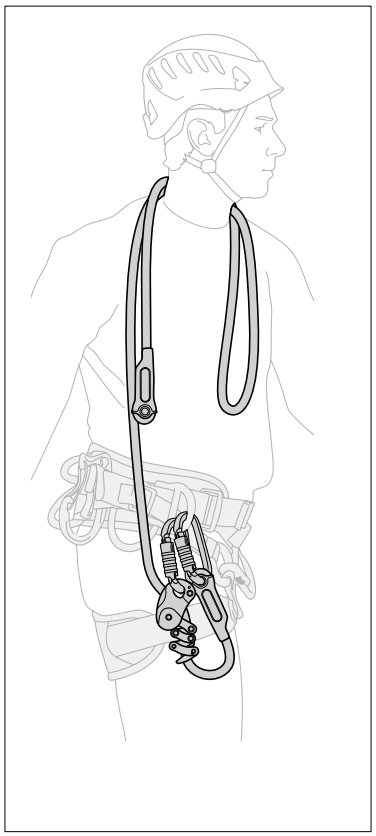
Coiled in a CARITOOL



Stowed in a TOOLBAG




Chain of knots and CARITOOL

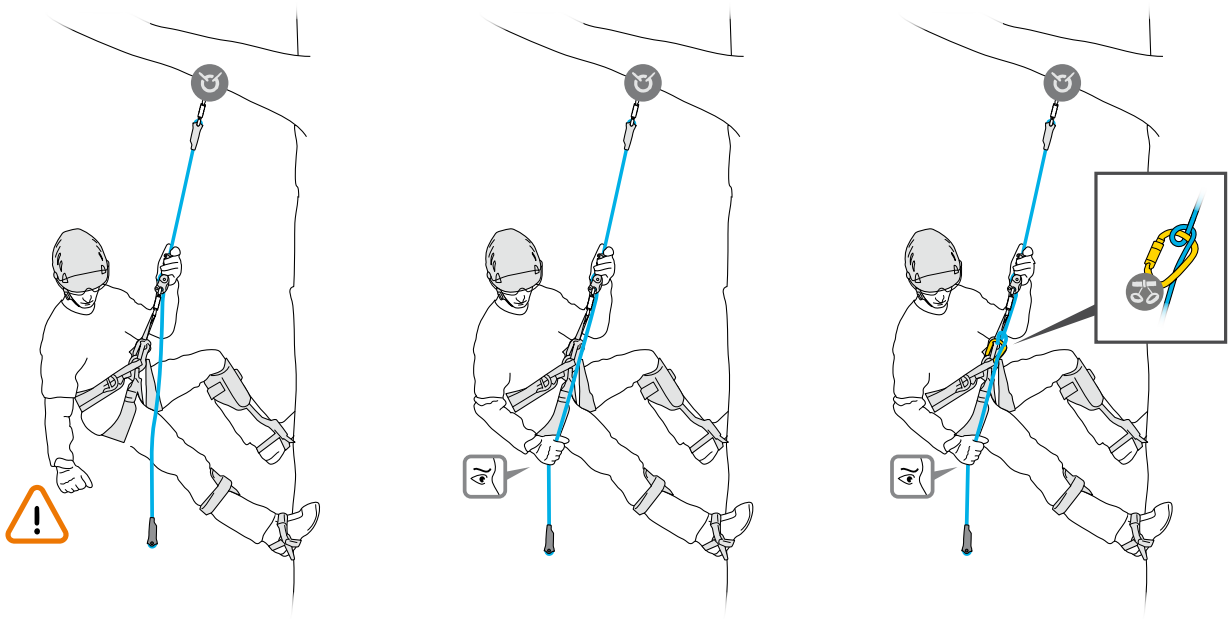


When on the ground: passed over the neck

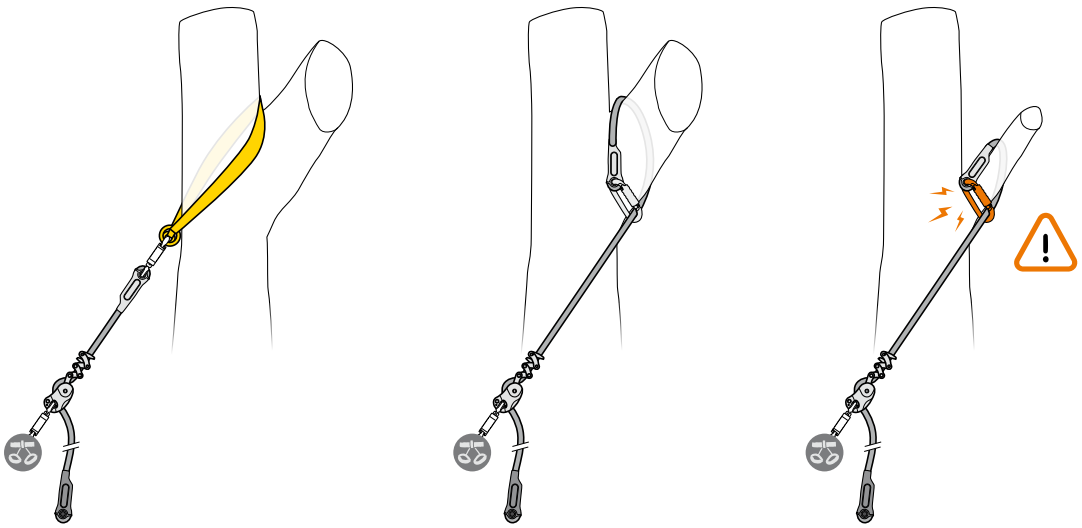
## EXPERT ONLY 3. Single mode use

The ZILLON lanyard is certified to the EN 358 Work positioning lanyard standard, so it has passed the single-mode tests, in particular the locking test under a 5 kN load: load held for 3 minutes with slippage less than 50 mm.

On the other hand, **it is designed to function optimally when used in double mode**, especially the fluidity of the unlocking process. When used in single mode, if the user's weight is entirely or mostly on the lanyard, the unlocking process is significantly less fluid than in double mode. It is thus recommended to use both hands to operate the lanyard, with one hand holding the free end of the rope. In more extreme cases, a munter hitch on the free end will allow for smoother movement.



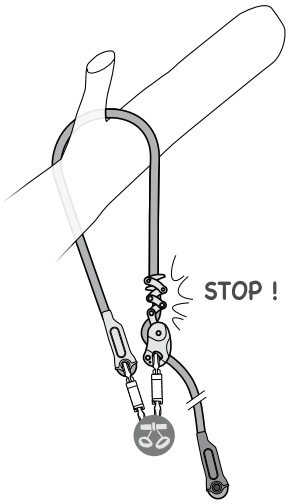
**Warning: in single mode, if the device is unlocked too abruptly, the user can clench the friction chain and fall the entire length of the lanyard, with a risk of contacting an obstacle.**

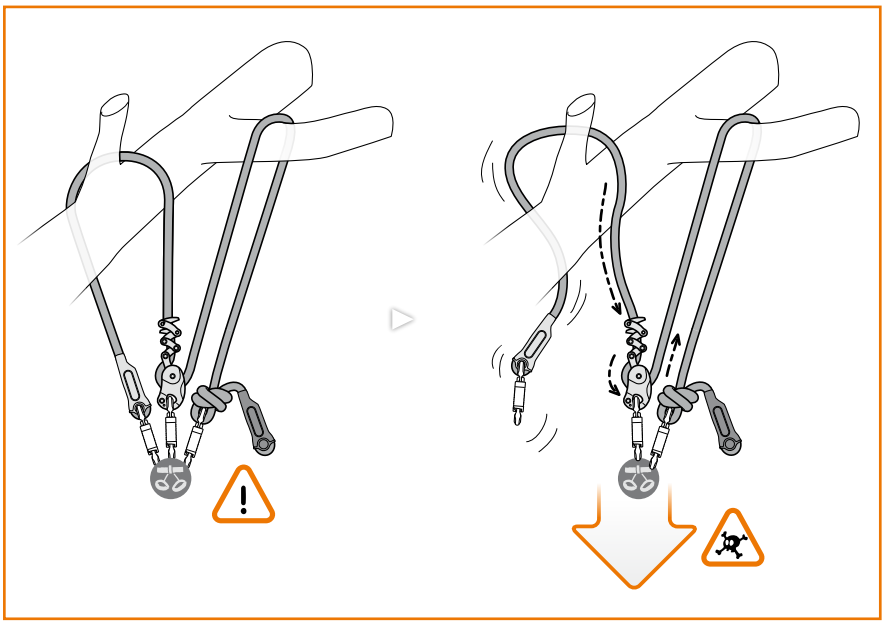


For single mode use, the ZILLON lanyard can simply be attached to an anchor. The lanyard can also be hitched around an anchor such as a branch. In this case, beware of incorrect connector positioning.

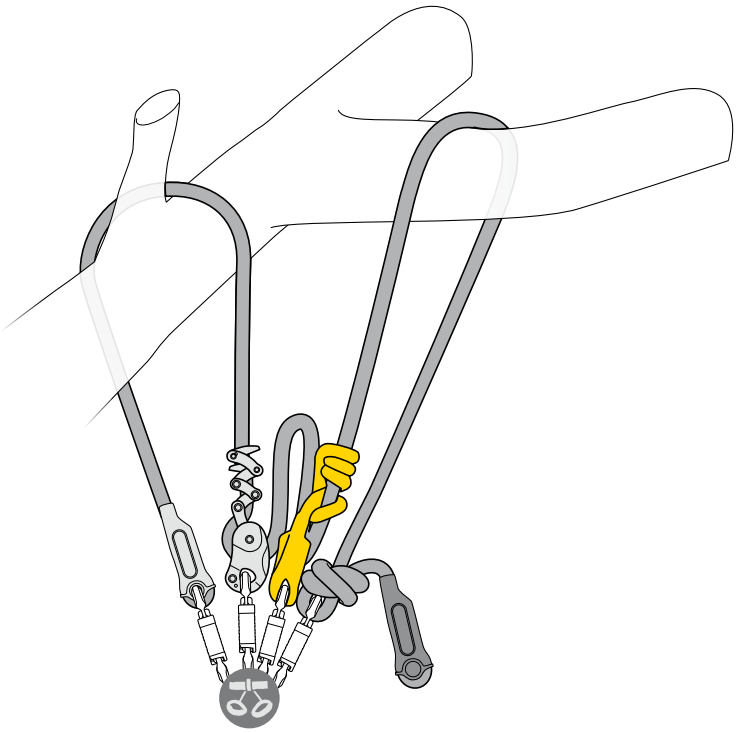
## EXPERT ONLY 4. Attachment to the free end: danger

**Warning: the ZILLON's lanyard adjuster locks in only one direction.**
The reserve rope cannot be used to attach to an anchor, as the device would not lock in this case.



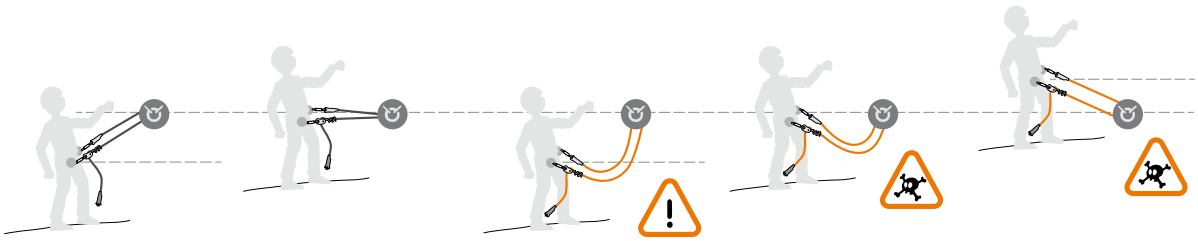



If a temporary attachment is necessary, the reserve rope can be used by segmenting it from the primary lanyard with a friction hitch.
**Warning: the sewn end of the reserve rope has a plug. To use it as a temporary lanyard, make a knot that holds the connector tightly.**



## FOR ANYONE 5. Position in relation to the anchor

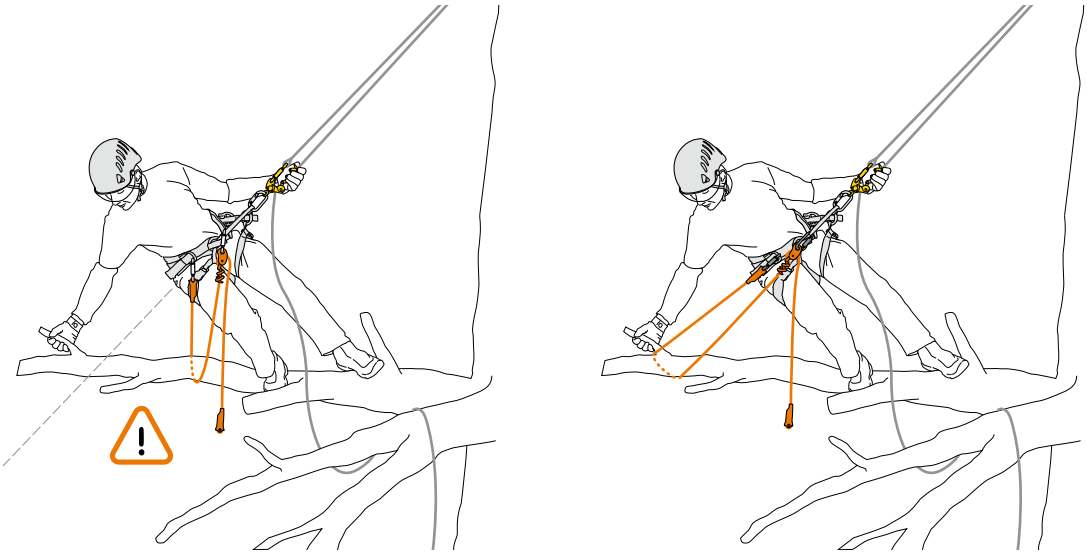
Remember:



**Warning: even if you are secured by a primary system such as a ZIGZAG, follow these instructions when using your ZILLON.**

Our tests show that in a pendulum on the ZIGZAG rope, there is a free-fall phase that exceeds the 40 cm maximum fall authorized for the ZILLON.

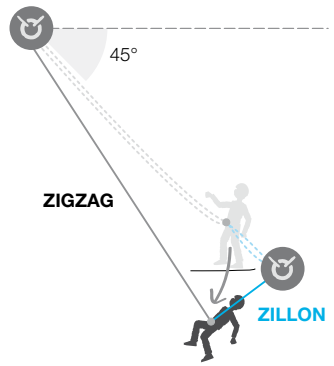
At the end of a branch, it is common to not have another branch above for installing the lanyard.
In this case, the arborist has no choice other than to install his lanyard at foot level on the branch he is working on. Thus, it is important to keep the lanyard taut and oriented in a direction that prevents a pendulum on the primary belay system.

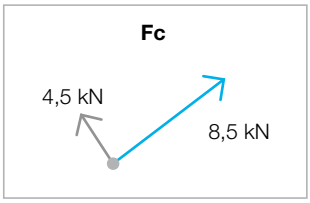


**Fall arrest tests on a ZILLON lanyard with a pendulum on the ZIGZAG:**

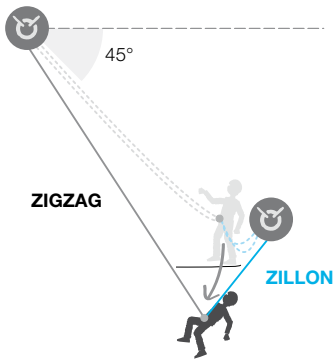
Tests performed with a harness and 100 kg dummy, on a semi-rigid anchor to take into account the flexibility of a branch.

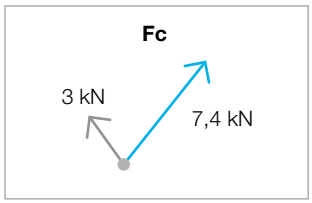
**ZIGZAG** 4,75 m of doubled rope.
Distance from the anchor point 4,60 m
**ZILLON** 80 cm




**ZIGZAG** 4,90 m of doubled rope.
Distance from the anchor point 4,60 m
**ZILLON** 80 cm




Note: the results obtained with the ZILLON lanyard were not exceptional; any EN 358 certified lanyard should behave similarly. Follow the instructions for use indicated by the manufacturer of your equipment.

## EXPERT ONLY 6. Dismantling: choke the ZILLON lanyard

On a smooth, vertical trunk, if the lanyard is simply passed around the trunk, it will slide down in case of a fall. So that it remains in place under load, the lanyard must choke the trunk.
This precaution also offers protection in case the trunk bursts during cutting.