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› [Petzl ROLLCLIP A Pulley Carabiner \(P74\) Instruction Manual](#)

PETZL P74

Petzl ROLLCLIP A Pulley Carabiner (P74) Instruction Manual

Model: P74 | Type A (Anchor) - Non-Locking

1. PRODUCT OVERVIEW

The Petzl ROLLCLIP A is a pulley-carabiner designed for use in climbing, mountaineering, and rescue applications. This Type A (Anchor) version features a non-locking gate that opens on the pulley side, facilitating rope installation when the pulley is fixed to an anchor. Its integrated sheave, mounted on sealed ball bearings, ensures excellent efficiency and minimizes system height.

Key Features:

- **Gate Side Opening:** The gate opens on the pulley side, simplifying rope installation when the carabiner is attached to an anchor.
- **Non-Locking Design:** Features a standard snap-gate for quick, directional systems where a locking mechanism is not required.
- **Integrated Sheave:** Equipped with a sheave mounted on sealed ball bearings for high efficiency and reduced system bulk.
- **Keylock System:** Designed to prevent accidental snagging during use.
- **H Cross-Section:** Provides an improved strength-to-weight ratio and protects markings from abrasion.

2. SAFETY INFORMATION

WARNING: Activities involving the use of this equipment are inherently dangerous. Improper use can result in severe injury or death. This product must only be used by competent and responsible persons, or under the direct supervision of such a person. Users must be trained in the correct and safe use of this equipment.

- Always inspect the ROLLCLIP A for any signs of damage, wear, or corrosion before each use.
- Ensure the gate operates smoothly and closes completely.
- Verify that the rope is correctly seated in the sheave and the gate is closed before applying load.
- Do not exceed the maximum working load limits specified in the technical specifications.
- Avoid exposing the equipment to extreme temperatures, chemicals, or sharp edges.
- Regularly check all components of your system for compatibility and proper function.
- This non-locking version is suitable for applications where quick attachment and detachment are prioritized and where the risk of accidental gate opening is acceptable or mitigated by other system components.

3. SETUP AND INSTALLATION

The Petzl ROLLCLIP A is designed for easy integration into various systems. Follow these steps for proper setup:

1. Attaching to an Anchor/Device:

Open the gate of the ROLLCLIP A. Attach the carabiner to your anchor point or device. Ensure the carabiner is correctly oriented to favor loading along its major axis. The gate opening on the pulley side allows for easier rope installation once the carabiner is fixed.



Image 1: Attaching the ROLLCLIP A. The image depicts a hand holding the ROLLCLIP A, with its gate open, in the process of clipping it onto a rope or a fixed anchor. An arrow indicates the direction of the gate's movement.

2. Rope Installation:

Once the ROLLCLIP A is secured, guide the rope into the sheave. The gate's design allows for straightforward rope insertion. Ensure the rope is fully seated within the pulley wheel and that the gate closes automatically and completely after insertion.



Image 2: Installing the rope. This image illustrates a hand feeding a rope into the sheave of the ROLLCLIP A. An arrow shows the intended path of the rope through the pulley system.

3. System Check:

Before applying any load, perform a thorough check of the entire system. Confirm that the ROLLCLIP A is properly attached, the rope is correctly installed, and all other components are secure and functioning as intended.

4. OPERATING INSTRUCTIONS

The ROLLCLIP A functions as a directional pulley within a system. Its primary use is to reduce friction when redirecting a rope or to create mechanical advantage systems.

- **Rope Direction:** Guide the rope through the sheave in the desired direction. The integrated pulley will facilitate smooth movement of the rope.
- **Load Application:** Apply load smoothly and gradually. Avoid sudden jerks or impacts, which can damage the equipment or compromise system integrity.
- **Monitoring:** Continuously monitor the ROLLCLIP A and the rope during operation to ensure proper function and to detect any signs of wear or misalignment.
- **Non-Locking Gate:** Be aware that this is a non-locking carabiner. In situations where accidental gate opening could lead to a hazard, ensure that other system components provide adequate security or consider using a locking version of the ROLLCLIP.

5. MAINTENANCE

Proper maintenance extends the lifespan of your Petzl ROLLCLIP A and ensures its continued safe operation.

- **Cleaning:** Clean the ROLLCLIP A with fresh water and mild soap. Rinse thoroughly and allow it to air dry completely away from direct heat. For the sheave, ensure no dirt or debris impedes its rotation.
- **Inspection:** Regularly inspect for:
 - Cracks, deformation, or deep scratches on the aluminum body.
 - Proper functioning of the gate and its spring mechanism. The gate should open and close smoothly and completely.
 - Wear or damage to the sheave, ensuring it rotates freely without excessive play or grinding.

- Corrosion, especially in saltwater environments.
- **Storage:** Store the ROLLCLIP A in a cool, dry, dark place, away from chemicals, extreme temperatures, and UV radiation.
- **Service Life:** The service life of metal products like the ROLLCLIP A is theoretically unlimited, but it can be reduced by factors such as falls, heavy use, corrosion, deformation, or impact. Retire the product immediately if it shows any signs of damage or if there is any doubt about its integrity.

6. TROUBLESHOOTING

Most issues with the ROLLCLIP A can be resolved through proper inspection and maintenance.

- **Gate Sticking/Not Closing:**

Possible Cause: Dirt, debris, or corrosion in the hinge mechanism.

Solution: Clean the carabiner thoroughly with fresh water and a brush. Ensure the hinge area is free of obstructions. If the issue persists, retire the product.

- **Sheave Not Rotating Smoothly:**

Possible Cause: Dirt, grit, or damage to the bearings.

Solution: Rinse the sheave area with fresh water. If debris is visible, try to dislodge it carefully. If the sheave remains stiff or makes grinding noises, the bearings may be damaged, and the product should be retired.

- **Unusual Wear:**

Possible Cause: Improper loading, abrasive contact with other equipment, or excessive use.

Solution: Inspect the wear pattern. Ensure the carabiner is always loaded along its major axis. If wear is significant or compromises strength, retire the product.

If you encounter any issues not listed here, or if you have doubts about the product's safety, contact Petzl customer support or an authorized dealer.

7. TECHNICAL SPECIFICATIONS

Model	P74 (ROLLCLIP A Type A - Non-Locking)
Material	Aluminum
Color	Gold
Weight	5 ounces (0.31 Pounds)
Product Dimensions	5.91 x 0.79 x 1.97 inches
Minimum Rope Diameter	7 mm
Maximum Rope Diameter	13 mm
Sheave Diameter	18 mm
Maximum Working Load	2 x 2 = 4 kN
Efficiency	85 %
Major Axis Strength	20 kN
Minor Axis Strength	8 kN
Open Gate Strength	7 kN

Recommended Uses	Rappelling, Mountaineering
Lock Type	Non-locking

8. WARRANTY AND SUPPORT

Petzl products are guaranteed for 3 years against any material or manufacturing defect. Exclusions include normal wear and tear, oxidation, modifications or alterations, incorrect storage, poor maintenance, damage due to accidents or negligence, and uses for which the product is not intended.

For detailed warranty information, product registration, or technical support, please visit the official Petzl website or contact your authorized Petzl dealer.

Official Petzl Website: www.petzl.com

9. WHAT'S IN THE BOX

- 1 x Petzl ROLLCLIP A Pulley Carabiner (P74)