



If you have any doubts or difficulties in understanding this manual, please contact XINDA.

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PULLEY-CARABINER

Manual

WARNING:

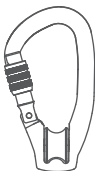
- Activities involving the use of this equipment are inherently dangerous and can lead to severe injury or even death. You must be responsible for your actions and decisions.
- Read and understand the instructions before use.
- Before using this product, it is essential to have got adequate training, understood and mastered the basics and techniques.
- This product must not be used beyond its limits, nor be used for any purpose other than for which it is designed.



Categorization



Self locking

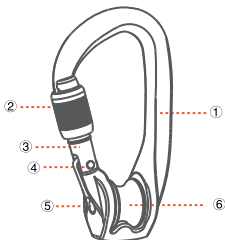


Screw gate



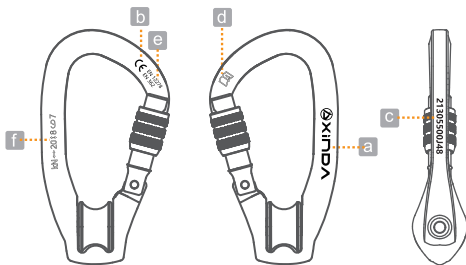
Non-locking

Nomenclature



- ① Frame
- ② Locking sleeve
- ③ Gate
- ④ Rivet
- ⑤ Sheave axle
- ⑥ Sheave

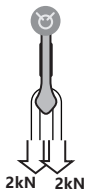
Marking



- a. The name of the manufacturer or the brand
- b. CE marking
- c. Tracking code
- d. Logo to remind the user to read the instructions
- e. Standards
- f. Minimum breaking load

Load

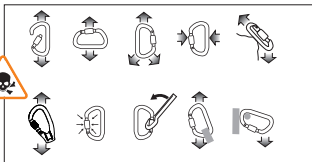
Working Load



Minimum breaking load



Carabiner positioning

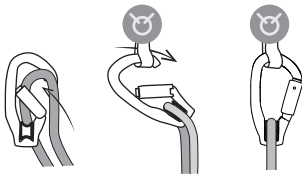
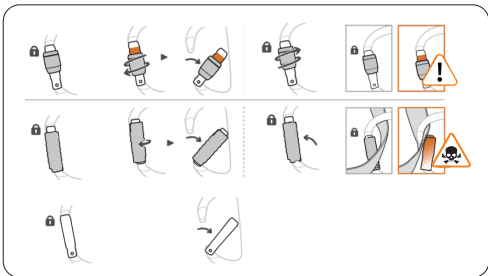


Bar Code

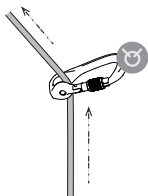
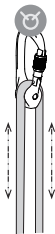
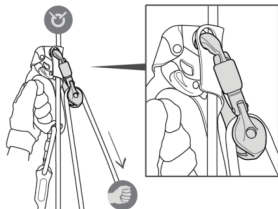


PICC CE

How to Install



Usage examples





This manual explains how to use the equipment and only appropriate techniques and uses are described. Warning signs tell the potential risks but they don't cover everything.

Please read every each warning carefully and use your equipment properly. Any misuse might lead to danger. If you are in doubt, please contact Xinda.

Product details and application

1.This equipment is personal protective equipment (PPE) used for fall protection.

This product must not be pushed beyond its limits, nor be used for any purpose mother than that for which it is designed.

Responsibility

WARNING

Activities involving the use of this equipment are inherently dangerous.

2. Strength and efficiency

Working load limit: 4 kN.

Breaking strength: 20 kN.

The sheave mounted on ball bearings gives good efficiency (85 %), for example when hauling.

Warning: lack of friction can make controlling the rope' s running speed more difficult.

3. Nomenclature

(1) Frame, (2) Locking sleeve, (3) Gate, (4) Rivet, (5) heave axle, (6) Sheave.

Principal materials: aluminum.

4. Inspection, points to verify

Before each use

Check that the frame, rivet, gate, and locking sleeve are free of any cracks, deformation, or corrosion. Verify that the gate opens, and that it closes automatically and completely. The Keylock hole must not be blocked or plugged.

Check that the locking sleeve locks and unlocks. Check the condition of the sheave and verify that it is working properly.

During use

Verify that the carabiner is always loaded on the major axis.

Regularly check that the locking sleeve is locked. Avoid any pressure or rubbing that could unlock the gate or damage the locking sleeve.

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.

5. 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 connector must meet current standards in your country (e.g. EN 1891 rope).

6. Carabiner positioning

A carabiner is not indestructible.

A carabiner is strongest when loaded on its major axis, with the gate closed. Loading a carabiner in any other way (e.g. on the minor axis or with the gate open) is dangerous and can reduce its strength.

Whenever possible, use a system to help keep the carabiner positioned on its major axis.

7. Installing

The product must be used with the gate closed.

The product must be used with the gate closed and the sleeve locked. There is a risk of the gate opening when the red indicator is visible. Use a manual locking connector if you don't need to open and close it frequently.

It must be used with the gate closed and the sleeve locked. Check each time you close it to make sure it is completely locked.

8. Usage examples

8a. Directional point on the ASCENSION rope clamp for ascending a rope

8b. Directional point in a haul system.

8c. To improve efficiency at the anchor .

Life span, regular inspection and retirement:

- No storage limit for the metal in the proper environment; the plastic parts of the equipment can be stored up to 10 years.
- The equipment may need to be retired only after one use because of misuse, accidents or compatibility problems.
- The practical lifespan depends on the type and intensity of usage, harsh environment (marine environment, extreme temperatures, sand and mud etc). Equipment check has great effect on the lifespan. The comprehensive inspection is required once every 12 months minimum, apart from normal check before use, during use and after use. The greater the intensity of use, the more checks are needed. Record the results of the inspection.
- The inspector must be competent or authorized by the manufacturer.
- Inspections included:
 - Check if the products are free of corrosion, melting, cracks, wear, deformation or stain;
 - Check the effectiveness of the springs and pivots;
 - Check if the cam teeth are worn greatly;
 - Check the functionality of the ascender;

-Check if the markings are illegible;

You should maintain or retire the equipment, or hand to the manufacturer for further inspection when the results are negative such as deformation, malfunction of the pivots.

● Information included on the inspection manual

Model number/data matrix/purchase date/manufacture date/first time to use/ standards/inspection date/records(malfunction, condition, user's usage record) /results and suggestions(to retire the equipment or not)/next inspection date/ inspector's data(name and contact)

● When to retire your equipment:

-You don't know its usage history;

-You doubt about its performance, strength or safety;

-It fails to pass PPE inspection;

-Malfunctions are found;

-It fails to meet updated regulations or standards;

-It has been subjected to a major fall or load;

How to retire your equipment:

Mark it with irremovable labels or destroy it as to prevent further use. For instance, drill or cut it. Or return it to the manufacturer for disposal.

Responsibilities:

● You are responsible for your actions and decisions. If you can not take the responsibilities, don't use it.

● Only qualified person or the person under supervision of a competent and experienced party can use this product.

● You must take training course including theory and practice, basics for working at height, proper ways to use and relevant safety system knowledge before use.

● When it is resold to other countries or regions, the instruction manual must be made in local languages.

● XINDA is not responsible for any direct or indirect non-quality induced consequences.

Storage and transport:

Remaining fluid and other stain on metal equipment must be rinsed and dried and then stored in a dry environment, 10℃-30℃. The equipment must not come into contact with abrasion, loading, chemicals, sharp edges or heat source etc as those are inherently harmful. Metal equipment must be specially stored in the container and transported in compliance with storage requirements. The use and storage of the product is suggested to be taken care of by accountable people.

Maintenance:

Proper maintenance and storage can extend the lifespan of the equipment and also guarantee the user's safety.

-Cleaning: Use clean water(20℃) and soft brush to rinse the external and internal of the product. No high-pressure water. No industrial-grade cleansers. Rinse afterwards and dry it naturally. No heat drying.

-Long time use of the equipment will reduce the lubrication of the parts such pivots. Lubricating oil or grease is suggested to be in use.

Warning: No modification, alternation or improper maintenance is allowed. It can only be repaired in the XINDA factory.

Traceability:

The code is used for product tracing.

Meaning: For instance, 18096500J47: 18 096: Manufactured on the 96th day of 2018; 500J: Batch and quality inspection; 47: Product increment.

Limited warranty:

XINDA provides a 3-year warranty against any material or manufacturing defects.

Exclusions: normal wear and tear, deformation, oxidation, modifications or alterations, misuses, incorrect storage, poor maintenance, uses for which this product is not designed.