

HH-8646





圆形滑轮使用说明

OVAL PULLEY

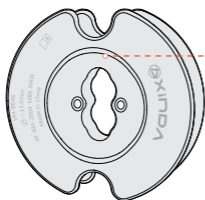
Safety precautions

Warning

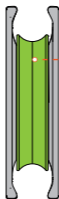
This manual explains how to use the equipment and only appropriate techniques and uses are described. Warning signs tell the potential risks but they don't cover everything. Please read every each warning carefully and use your equipment properly. Any misuse might lead to danger. If you are in doubt, please contact XINDA.

	Risk of severe injury or death
	Risk of accident or harm
	Appropriate way of use
	Incorrect way of use

Nomenclature



1

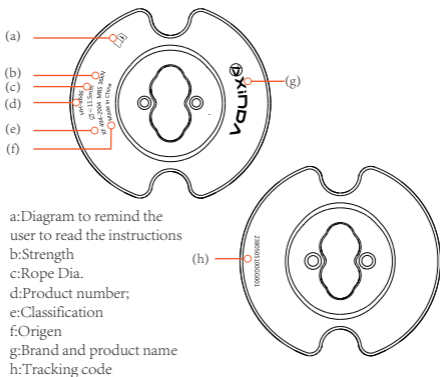


2

(1) Main body;
(2) Sheave;

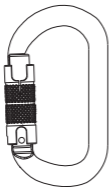
Materials: Aluminum.

Marking

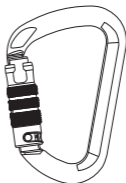


Preferred Connectors

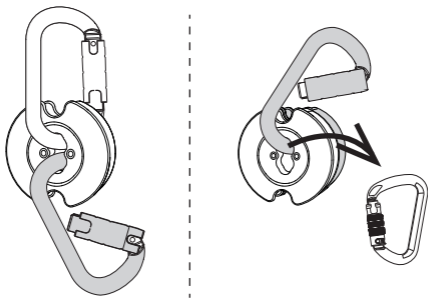
Oval-shaped Carabiner



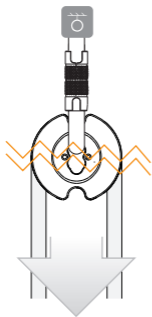
D-shaped Carabiner



Installing



Strength

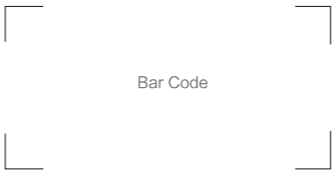


MBS 36kN



Minimum breaking strength

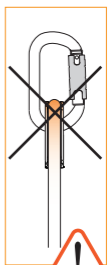
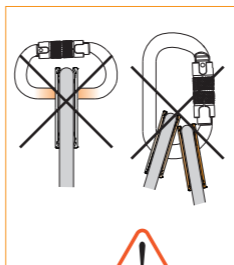
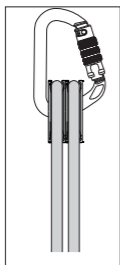
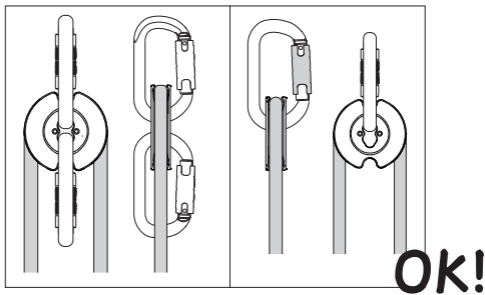
ISO9001 Standards Complied



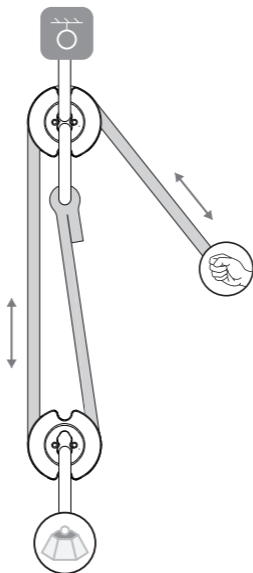
 **XINDA**®

The logo features a stylized green and black triangle inside a circle, followed by the word "XINDA" in a bold, black, sans-serif font with a registered trademark symbol (®) to its upper right.

PICC XF



Suggested Configuration



Introduction

Those pulleys are used as PPE (personal protective equipment) which is designed for climbing, caving, canyoning and increasing the efficiency of the hauling system. The pulleys are used with ropes and must not be used beyond its limits, nor be used for any purpose other than for which it is designed.

MBS: 36kN.

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.

Safety check

Before each use

Check if the product is free of cracks, deformation and corrosion etc. Verify that the pulley runs well and check the space between the side plates and wheels. Check if the wheel, side plates and attachment holes wear.

During each use:

Check if the pulley is tensioned normally, the carabiner is loaded from the main axle, the rope is pulled straight. Make sure that no foreign object comes into contact with the pulley. Note: Sand, water or other stain will lower the efficiency or even stop the pulley from rotating.

Use and compatibility

Verify that the product is used properly with other equipment in the system.

The carabiners with a locking system must be clipped into all the main attachment holes of the pulley's side plates at the same time.

The single-axled double pulley must work with two wheels as having only one single wheel will cause uneven loading and damage the side plates.

No other leverage on the pulley.

The pulley is loaded by the resultant force from the rope on both ends and it will break when the force reaches its Minimum Breaking Strength (MBS). The actual efficiency of the pulley in use is related to rope angle, load, or friction produced by other devices or factors. The pulley's ball bearing might be damaged, which will increase friction and cause the wheel fail to rotate if overloaded.

- Oval carabiners should be used if you only work with one pulley ; if two pulleys used in the same time, you ought to use D-shaped carabiners.
- Verify that the pulley can work well with other devices in the system;
- Make sure that ropes are not in contact with the inner-faces of the pulley;
- Ensure that two carabiners are allowed through the attachment hole of the pulley.
- Be sure that the pulley is properly attached to the anchor;
- Make sure the pulleys are parallel and positioned correctly when they are used on one carabiner;
- The pulley can not loaded by other leverages.

6. Rope

Choose appropriate rope diameters (ϕ 4-11.5mm) as unfit wire cable will wear the ropes fast. Note: Ropes with small diameter ($\phi < 4\text{mm}$) may get stuck between the wheel and side plate.

- Verify that no thin and soft objects are stuck inside the pulley, such as hair or twigs.

Additional Information

- over-loaded fall might damage ropes.
- A rescue plan must be put into place in case of difficulties coming along.
- The anchor must be placed above the user and meet EN795(minimum breaking strength12kN).
- Make sure the anchor is properly positioned as to reduce risk of falling and shorten the fall distance.
- The safety and function of one device might affect others' when they are used together, which may cause danger.
- Keep the device away from rough or sharp edges.
- The user's health must be fit for working at height. Unconscious suspension on the harness might lead to severe harm or even death.
- Instructions must be followed strictly when using it with other devices.
- Make sure the markings are clear and readable.

You must retire your device when:

- It has been subjected to a major fall or load;
- It fails to pass PPE inspection;
- You doubt about its performance, strength or safety;
- You don't know its usage history;
- It fails to meet updated regulations ,technical standards or be compatible with other devices of the system .

Traceability:

The code is used for product tracing

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.