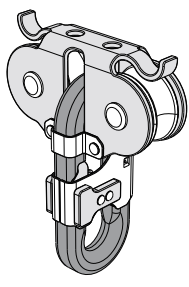
If you have any doubts or difficultiesin understanding this manual, please contact XINDA.
400-8856993
No.19 Xinchao Road, Wangjiang Community, Baiyun Street, Dongyang City, Jinhua City, Zhejiang Province, China

Ver.20260506



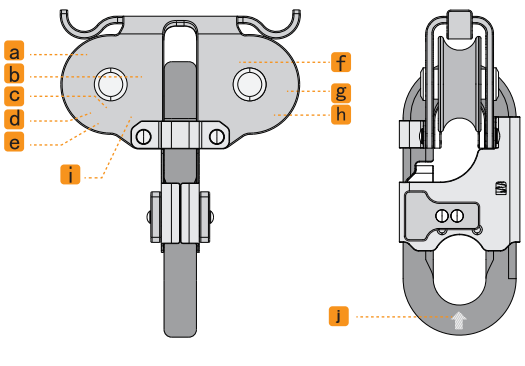
溜索滑轮使用说明书
ZIPLINE PULLEY

Safety precautions

This manual explains how to use the equipment and only appropriate techniques anduses are described. Warning signs tell the potential risksbut they don’ t covereverything. 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
OK!	Appropriate way of use
	Incorrect way of use

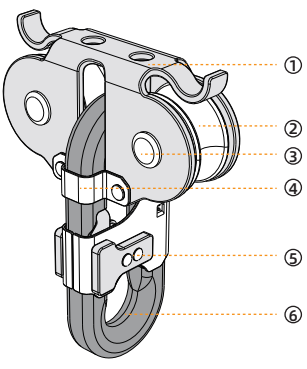
Marking



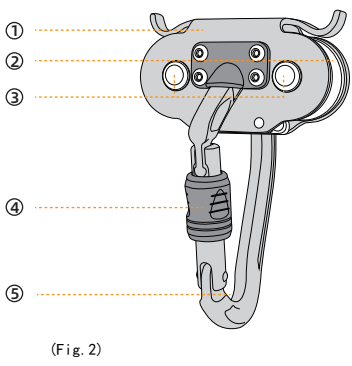
(Fig. 1)

a: Remind users to read the instructions;
b: Name of the manufacturer or brand name;
c: Code of the notified body responsible for production control;
d: EU CE marking;
e: Country of origin;
f: Maximum working load g: Product name
h: Compatible rope diameter
i: Applicable standards
j: Recommended attachment points

Part Name



1: Pulley body ;
2: Roller;
3: Roller shaft ;
4: Stopper ;
5: Trigger ;
6: Hook.

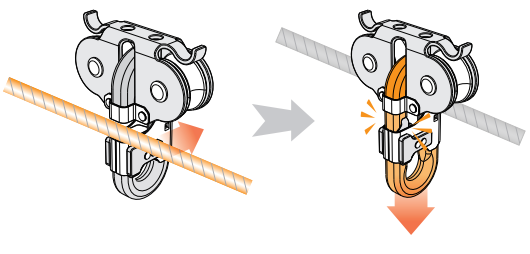


1: Pulley body ;
2: Roller ;
3: Roller shaft ;
4: Door lock ;
5: Mounting point .

(Fig. 2)

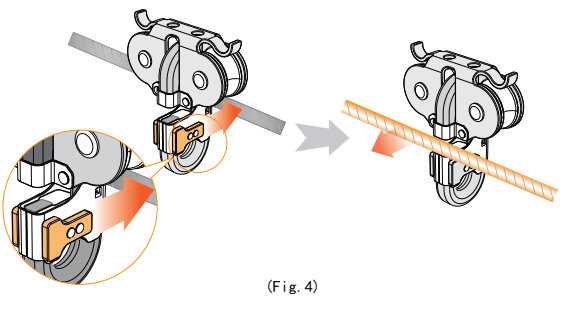
Instructions for Use

Install the rope



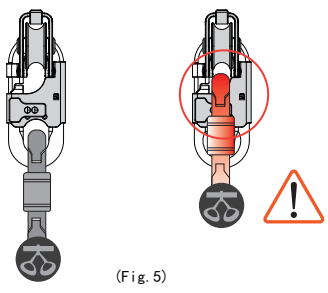
(Fig. 3)

Remove the rope



(Fig. 4)

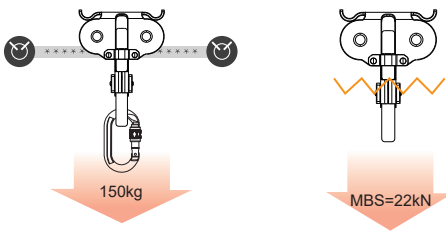
Connection Methods



(Fig. 5)

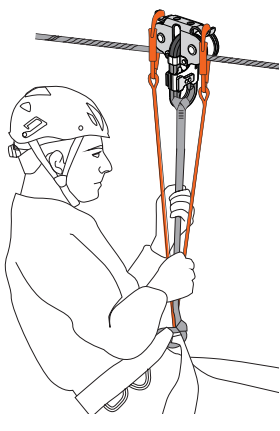
OK!

Load



(Fig. 6)

Use Cases



Instructions for Use

SCOPE OF APPLICATION

Personal protective equipment (PPE) for fall protection. Designed for use in climbing, rescue, caving, and engineering environments to improve pulling efficiency.

The pulley is intended for use with ropes only; it must not be loaded beyond its weight capacity and must not be used for any purpose other than its intended design.

MAIN MATERIALS: aluminum alloy, steel

DISCLAIMER

WARNING

Any activity involving the use of this equipment carries inherent risks.

You are responsible for your own actions, decisions, and safety.

Before using this equipment, you must:

- Read and understand the entire user manual;
- Undergo specific training for the use of this equipment;
- Familiarize yourself with your equipment, understand its performance, and be aware of its limitations;
- Understand and accept the risks involved.

Failure to heed any of the above warnings may result in serious injury or death.

This product must only be used by competent and responsible individuals, or under the direct visual supervision of competent and responsible individuals.

You are responsible for your own actions, decisions, and safety, and must accept the consequences. If you are unable to assume this responsibility or fully understand these instructions, do not use this equipment.

COMPATIBILITY

Compatible Ropes: H9751 Open Pulley: 8–13 mm; HH9796 Zip Line Pulley: 9–13 mm.

Maximum Working Load: 150 kg

Installing the Rope: Insert the rope into the pulley's opening; pull the pulley's attachment point downward. Once you hear a click, the opening will close, and installation is complete. (Fig. 3)

Removing the Rope: Squeeze the T-shaped trigger on the side of the opening to release the pulley, allowing you to remove the rope. (Fig. 4)

Note: Ensure the rope is securely engaged in the opening and test the function.

LOAD

The pulley is subjected to the resultant force generated by the ropes at both ends. When this resultant force reaches the pulley's minimum breaking strength (MBS), the pulley will fail. The efficiency of a pulley refers to the efficiency when the rope is rotated 180 degrees within the working load limit (WLL). The actual efficiency of a pulley during operation depends on the angle of the rope, the applied tension, and the friction generated by other equipment or factors. Excessive tension can damage the pulley's ball bearings, leading to increased friction or preventing the pulley from rotating.

PRE-USE INSPECTION

BEFORE EACH USE:

- Check the product for cracks, deformation, corrosion, or other damage.
- Ensure the pulley rotates smoothly.
- Check the clearance between the side plates and the roller.
- Inspect the roller, side plates, and connection holes for wear.

DURING USE:

- Ensure the pulley is under normal load and that the latch is loaded in the direction of the main shaft. Ensure the rope remains taut at all times and that no foreign objects enter the pulley.

Note: Mud, water, or other contaminants can reduce pulley efficiency and may even prevent the rollers from turning.

- Pay attention to the tension, angle, and load of the traversing system; excessive tension can cause system failure.
- Pay attention to the speed of movement; excessive speed may result in severe collisions.
- Be aware that thin, flexible objects, such as hair or branches, may become entangled in the pulleys.

Warning: Dynamic impacts and high-ratio pulley systems can exert extreme forces on anchor points or the system itself. Verify the strength of anchor points and the system to ensure they do not exceed their working load limits.

- All equipment connected to the pulley (anchor points, ropes, carabiners, etc.) must comply with applicable standards and regulations. If you are unsure about the requirements for any equipment, please contact Xinda.

ADDITIONAL SAFETY INFORMATION

○ Users must be physically fit for high-altitude zip-lining. Unintentional suspension at high altitudes can result in serious injury or even death within a short period of time.

○ In zip-line environments, the minimum breaking load for a single anchor point must be at least 12 kN, or the anchor point must comply with the EN 795 standard.

○ In a safety system, the system's strength is determined by the weakest link in the entire system.

Take care to prevent ropes or other webbing equipment from coming into contact with sharp edges or rough surfaces, which can cause abrasion.

○ Conduct a risk assessment of the zip-line environment before use and implement appropriate safety measures.

○ Prepare an emergency response plan before zip-lining to ensure rapid rescue in the event of an accident.

SERVICE LIFE, PERIODIC INSPECTIONS, AND EQUIPMENT DISPOSAL

- Metal equipment stored under proper conditions has no storage time limit. However, if the metal product contains plastic components, the storage life of these plastic components is 10 years, and that of rubber components is 3 years.
- Due to improper operation, accidents, or compatibility issues between components, the product may be damaged during its first use.

STORAGE AND TRANSPORTATION

After use, metal equipment must be cleaned of any residual liquids and other contaminants and dried. It should be stored in a dry environment at temperatures between 10°C and 30°C. The storage environment should be kept away from factors that could potentially damage the product, such as abrasion, excessive pressure, chemicals, sharp objects, and heat sources. During transportation, metal equipment should be placed in specialized packaging or containers and transported in accordance with the requirements of the storage environment. It is recommended that a designated person be responsible for the use and maintenance of the product at all times.

MAINTENANCE

Proper maintenance and storage extend the service life of the equipment and ensure user safety.

- WEAR AND TEAR: If the pulley surface comes into contact with hard, sharp metal or shows signs of minor wear, such as scratches or roughness, sandpaper may be used to smooth the surface.
- CLEANING: Clean the pulley surface or moving parts with clean water (20°C) and a soft-bristle brush. Do not use high-pressure water to clean the equipment, and do not use any industrial cleaning agents. After cleaning, rinse the equipment with clean water and allow it to air dry naturally; do not expose the equipment to heat sources for drying.
- Prolonged use may reduce the lubrication of the pulley's rotating shaft; lubricating oil or grease may be applied to the rotating shaft.

Warning: Any unauthorized modification, replacement of parts, or repair of the product is strictly prohibited. Repairs may only be performed at Xinda's factory.

LIMITED WARRANTY

Xinda provides a 3-year warranty against defects in materials or workmanship. The warranty does not cover: wear and tear, deformation, oxidation, unauthorized modifications or repairs, improper operation, improper maintenance or storage, or damage resulting from use for purposes other than those for which the product was designed.