

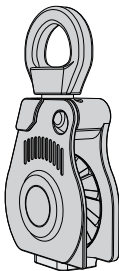


If you have any doubts or difficulties
in understanding this manual, please contact XINDA

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Ver: 20260323



HH-6018 收绳滑轮

RETRACTING ROPE PULLEY

Safety precautions

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

OK!

Appropriate way of use



Incorrect way of use

Style



H1
One pulley retracting
one rope



H2
Two pulleys retracting
two ropes



H3
Two pulleys retracting
one rope

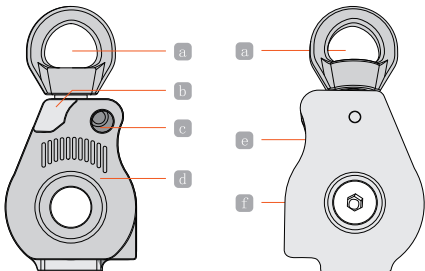
Technical specifications

Model Specs	H1	H2	H3
Product types	One pulley retracting one rope	Two pulleys retracting two ropes	Two pulleys retracting one rope
Execution Standards	XF 494—2023 Fire Rescue Industry Standards of China		
Standard Model	FZL-H-Q8/13		
Net wt.	445 g	760 g	750 g
MBS	25 kN		
Becket MBS	/	15 kN	
WLL (as a pulley)	per line - 250 kg total load - 500 kg	per line - 125 kg total load - 500 kg	
Compatible rope	diameter: 8 ~ 13 mm Maximum length: 400 m		
Note	The two pulleys of H2 rotate synchronously and cannot be used as double pulleys to form a mechanical advantage system		

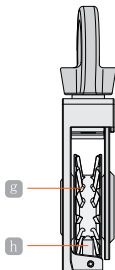
ISO9001 Standards Complied



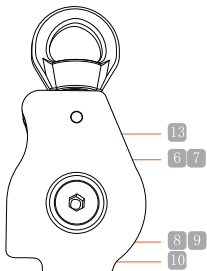
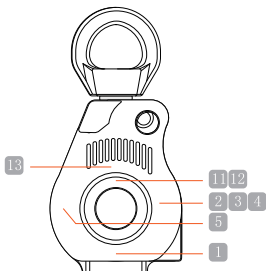
Nomenclature



- a. Universal mounting hole
- b. Baffle plate
- c. Switch button
- d. Movable side panel bracket
- e. Main body
- f. Drill bit connection port
- g. Toothed roller
- h. Stop pin

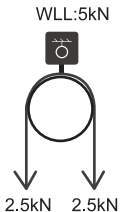
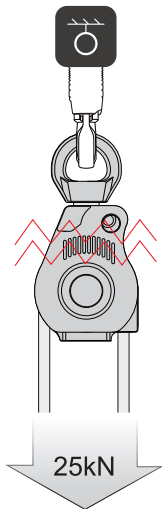


Marking



1. Name of the manufacturer or brand name;
2. Reminder to users to read the instructions before using the product;
3. Applicable rope diameter;
4. Date of manufacture;
5. Product name;
6. Breaking load;
7. Working load;
8. Product code;
9. Product serial number;
10. Country of origin;
11. Applicable standards;
12. Product model;
13. Direction of use.

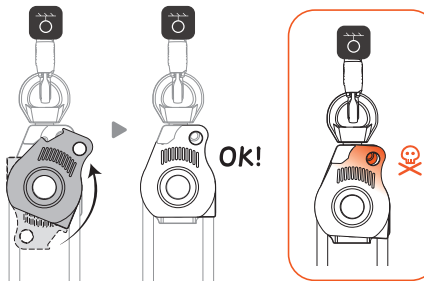
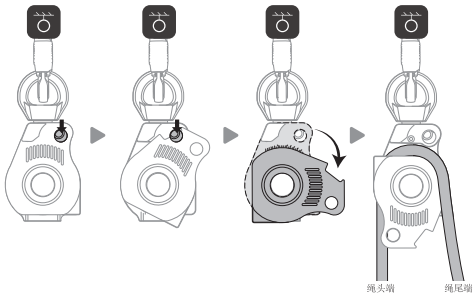
Load



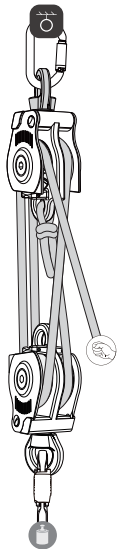
WLL:
 $2.2\text{kN} + 2.5\text{kN} = 5\text{kN}$

MBS: 25kN

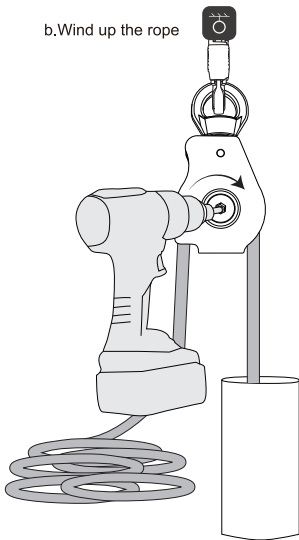
Install the rope (retrieve the rope)



Instructions for Use



b. Wind up the rope



a.H3 can form a 4:1 mechanical advantage system

The two pulleys of H2 rotate synchronously and cannot be used as double pulleys to form a mechanical advantage system

Instructions for Use

1. Responsibilities and warnings

Any work involving the use of this product is dangerous. Users are responsible for and bear the consequences for their actions, decisions and safety. Do not use this product if you cannot assume responsibility or cannot fully understand this manual.

- 1.1 Before using this product, you must:
 - Read and understand this user manual completely.
 - Undergo specific training for the proper use of this product in a safe environment.
 - Familiarize yourself with this product, understand its performance, the restrictions of using and emergency disposal methods.
 - Understand and accept the dangers involved.
- 1.2 This product is intended for use only by competent and responsible personnel or under direct visual supervision by competent and responsible persons.
- 1.3 Ignoring any of these warnings can result in damage to property, serious injury or even death.
- 1.4 The company does not assume any responsibility for any direct or indirect results such as property damage or personal injury or death caused by the use of this product.
- 1.5 It is recommended to purchase commercial insurance for users and goods to cover property damage or personal injury or death caused by possible operational errors.

2. Product introduction

2.1 Product illustrations

2.2 Product introduction

Retracting Rope Pulleys can be driven by an electric drill to wind up ropes: H1/H3 can wind up one rope, and H2 can wind up two ropes at the same time.

H1 is a single pulley; The two pulleys of H2 rotate synchronously and cannot be used as double pulleys to form a mechanical advantage system; H3 is a double pulley.

2.3 Scope of use

- 2.3.1 This product is used to wind up the rope, and can be used as a pulley.
- 2.3.2 This product is equipped with a hexagonal interface and an adapter shaft (8 mm or 5/16"). According to the rope winding direction on the product, use an electric drill to retract the rope. When rotating in the opposite direction, the rope pulley will slip and cannot retract the rope.
- 2.3.3 Use in environments with chemical hazards such as seawater or corrosive liquids and gases will lead to a reduced product lifespan. This can cause safety hazards, the product should not be used in the above environments.

2.4 Technical specifications (Table 01)

2.5 Compatible parts

- 2.5.1 The machine providing power should be an electric drill.
- 2.5.2 The use of wire ropes, flat belts (ropes) or chains is forbidden.

3. Safety Rules

The user should have the corresponding theoretical knowledge and practical ability of working at height, and must read and understand this manual completely. Safe operation of this device requires mastering the operating principles, knowing its usage limitations and understanding the potential hazards associated with using this device.

3.1 When using this product, do not use connectors or ropes that do not meet the requirements of this manual. The device is strictly limited to use within the nominal load range. Overloaded use will shorten the life of this product. Serious overload may damage the device during use (including damage to drive components and compatible parts such as ropes, connectors and electric drills).

3.2 Users must be medically fit for work at height. Users with physical illnesses, psychological conditions, or substance dependencies—such as high blood pressure, heart disease, dizziness, acrophobia, or frequent alcohol use—may be at increased risk and could compromise the safe operation of the device. If you feel unwell, please immediately stop working with this product.

3.3 Before use, a sufficiently wide isolation area should be set up. Supervision should be arranged, and unrelated personnel should be prohibited from entering the work area to prevent being injured by falling objects or the work system from being damaged by someone.

3.4 Users should take protective measures in advance. Correctly wear harnesses, gloves, helmets, goggles, shoes and other PPE suitable for the nature of work that meet relevant standards. This prevents accidents such as falling from height, electric shock, extrusion, impact, and rope breakage.

3.5 To prevent damage to personnel, goods, ropes, and this product, do not obstruct the path of lifting and lowering.

3.6 This product will gradually wear out during normal use, users should strictly carry out pre-use inspections, in-use inspections, regular inspections, and scrap assessments to timely evaluate whether the device can continue to serve.

4. Operating Instructions

4.1 Loading the rope

- (1) Clip the connector into the main attachment hole.
- (2) Open the movable panel and load the rope.
- (3) Close the movable panel.

4.2 Retracting the rope

Attach an electric drill to provide power to retract the rope quickly.

5. Device checks

5.1 Check before use

Before using this product, inspect and test that you have the correct rope, correct connecting components.

Note: Other connecting components are also necessary for systematic safety, please refer to the information provided by the relevant manufacturer to check as required.

- 5.1.1 Check whether this product has deformation, corrosion, cracks, severe wear, sharp surfaces, etc. If any, stop using it immediately.
- 5.1.2 Check the cleanliness of components. If they have grains of sand, it will accelerate wear and tear.
- 5.1.3 Check if the pulley can rotate smoothly;
- 5.1.4 Check if the gap between the side panel and the pulley has increased;
- 5.1.5 Check whether the pulleys, side panels, and attachment holes are significantly worn.

5.2 Inspection during use

5.2.1 During the rope winding process, it is necessary to observe whether the rope is sliding in the wheel, as continuous sliding can generate high temperatures and cause damage to the rope.

5.2.2 During the rope winding process, if the rope gets tangled or stuck, it may cause damage to the rope or equipment.

5.2.3 Be aware that fine soft objects such as hair or tree branches may get tangled in the pulley.

5.3 Regular inspections

Carry out a comprehensive inspection every 6 months. In addition to the pre-use inspection items, the following items should be checked:

- 5.3.1 If the wear is excessive, it should be scrapped.
- 5.3.2 This product has been lubricated internally and is maintenance-free under normal conditions. If necessary, please add lubricating oil.
- 5.3.3 Check all fixing bolts of the product. If they protrude above the mounting surface, they are loose. Please tighten them. If the bolts loosen repeatedly, add a small amount of low-temperature anaerobic glue, tighten them, and let stand and solidify before use.

5.4 Scrap assessment

A comprehensive inspection should be carried out every 12 months, if the usage frequency is high, it is necessary to increase the inspection frequency. In addition to the regular inspection items, the following items should be checked:

- 5.4.1 **The main structure of this product is metal, and should be stored in a dry, cool, sealed environment without corrosive liquids or corrosive gases. Under these conditions, the theoretical lifespan of this product is long-term.**
- 5.4.2 If there is any doubt about the security of the device, you should immediately stop using it and contact the manufacturer for technical support.

6. Storage and maintenance

Good storage and maintenance can extend the life of this product.

Storage recommended 10–30 °C / 50–86 °F for longevity, short-term storage outside this range is safe. Avoiding water ingress, moisture, corrosive liquid and corrosive gas erosion, as well as avoiding heavy pressure and falls from height will extend the lifespan of this product.

6.1 During transportation, a bag or box with a cushioning capacity should be used to protect this product from severe impact, contact with sediment and dust, etc.

6.2 After each use, this product should be wiped clean with a clean damp towel, and then ventilated to dry, not exposed to the sun. Avoid sweat and other corrosive liquids staying on the surface for a long time and causing corrosion.

6.3 Any modification, replacement or repair of this product can only be carried out by the manufacturer or authorized distributor, and self-disassembly, modification and repair are strictly prohibited.

7. Limited Warranty

This product is a consumable. The manufacturer provides a one year limited warranty for defects in the materials and production process of the product.

The warranty does not cover damage to the product caused by wear, deformation, corrosion, oxidation, self-modification or repair, incorrect operation, improper storage and transportation, and other usage than for which it was designed.

Tips: Please pay close attention to which it was designed. Register the product on our WeChat official account, and keep your contact information open to ensure that you do not miss possible product defect recall notices.