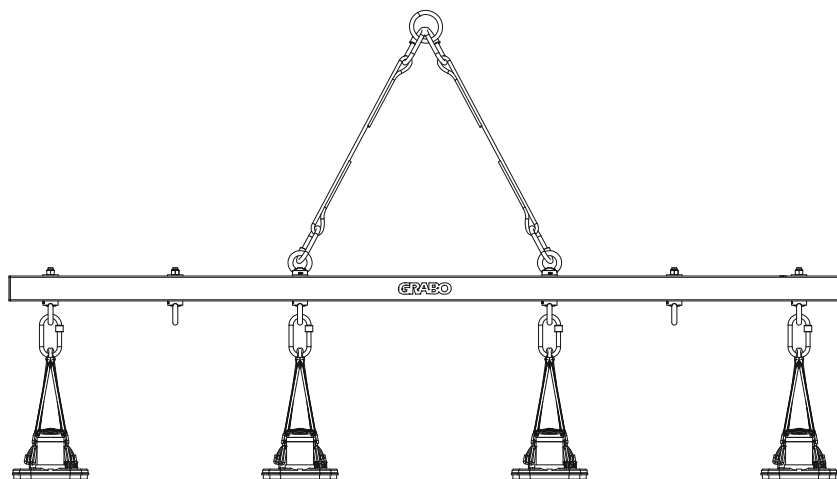


GRABO® U HOIST TOOL ASSEMBLY INSTRUCTION MANUAL

MATERIAL HANDLING SYSTEM

FOR LARGE FORMAT TILES, GRANITE, MARBLE, & MORE

MAXIMUM BEARING CAPACITY REACHES 480 KG



GRABO® U Hoist

INTRODUCTION

The GRABO® U HOIST facilitates the safe lifting, moving, and placement of large, heavy materials with machine-operated systems, including hoists, pulleys, cranes, and forklifts.

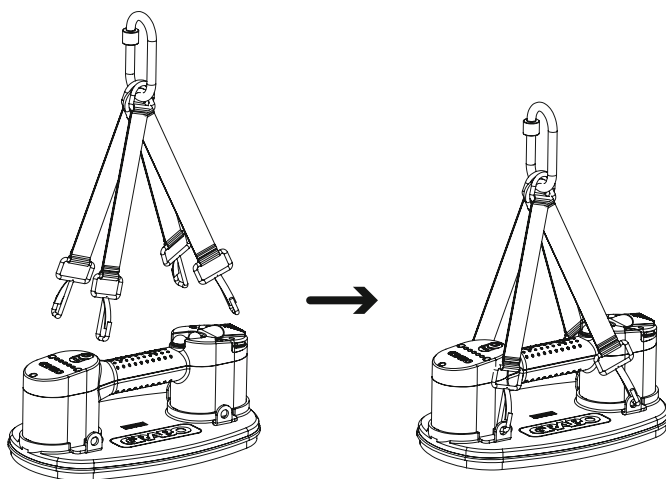
By attaching up to 4 GRABO units to the U Hoist Bar, the lifting load is distributed evenly, reducing the risk of flexing, warping, or cracking, especially when handling materials like large format tiles, granite, marble, porcelain, and ceramic tiles.

The GRABO® U HOIST has a maximum lifting capacity of 480 KG when used with 4 GRABO units at a 1:2 Working Load Limit (WLL) ratio.

ASSEMBLY STEPS

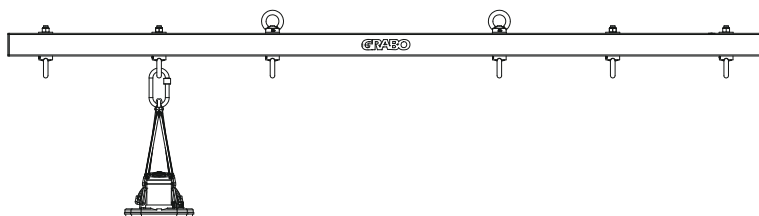
Step 1: Secure the Lanyard to the GRABO

Attach the lanyard to the designated attachment points located on each side of the GRABO unit, using the carabiner buckle for secure fastening.



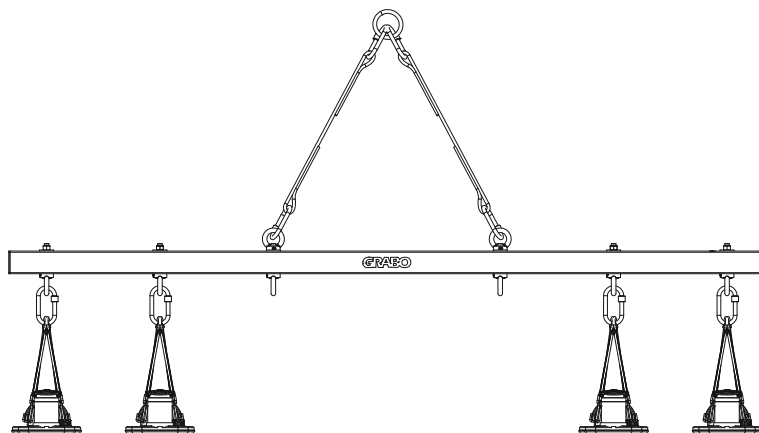
Step 2: Attach GRABO to the Hoist Rings

With the lanyard already attached, using the O-lock buckle, hang the GRABO unit onto the hoist ring positioned beneath the U hoist bar. Tighten the nut.



Step 3: Attach Main Body to Lifting Equipment

Attach the assembled U hoist main body and GRABO units to the lifting equipment using the upper hanging ring.

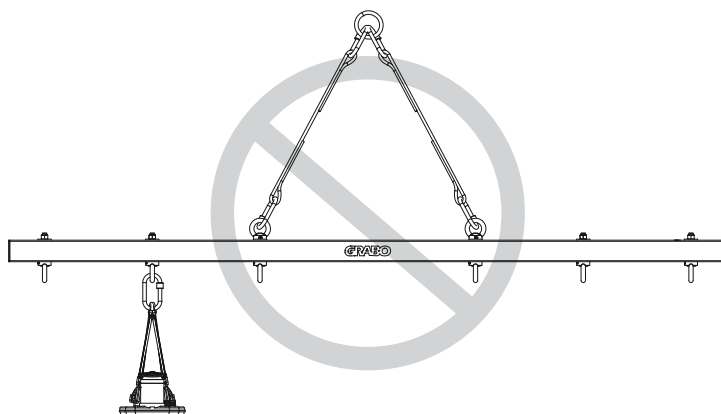


Equipment Disassembly

1. loosen the nuts
2. Remove the O-ring lock
3. Detach the lifting strap and suction cup

WARNING

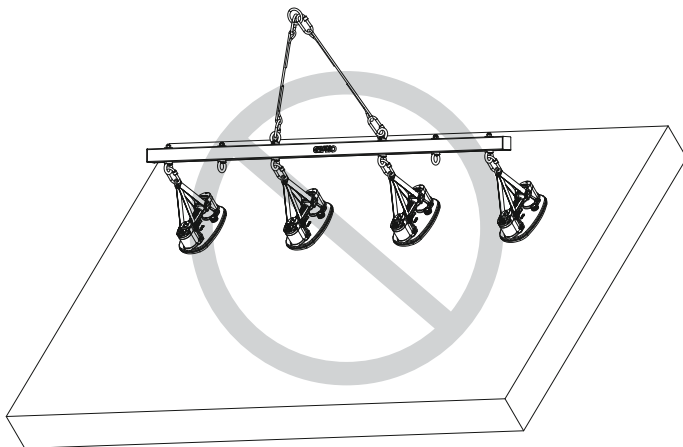
- **Pre-Use Inspection:** Before each use, inspect the U hoist for cracks, deformations, rust, and ensure all connections are secure.
- **Load Balance:** When lifting, ensure the weight is evenly balanced on both sides to prevent tipping due to an uneven load.
- **Angle and Load Distribution:** Avoid using the hoist at a steep angle and never apply weight to only one side.





Pay special attention

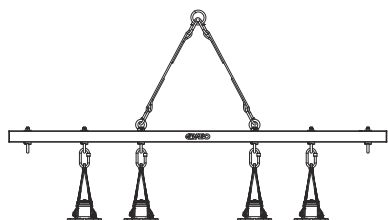
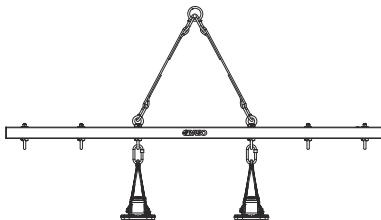
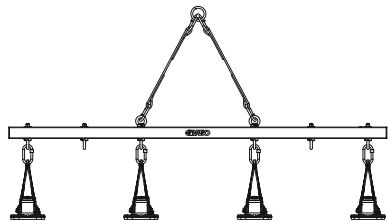
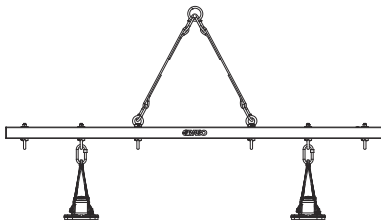
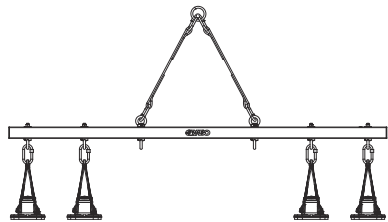
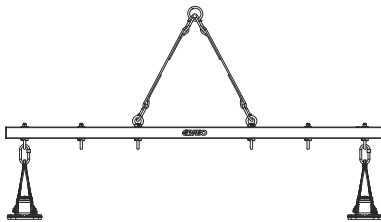
During operation, avoid rotating or swinging the product to prevent collisions and potential damage or dislodgement of items.



Hook Arrangement

Select a hook arrangement that is symmetrical and aligns with the load's center of gravity. Ensure the number and placement of hooks on both sides are identical for crossbar balance and stability.

Use only the hook combinations depicted in the diagrams below.



Hook and Load Considerations

- **Hook Selection:** Choose the appropriate number of hooks based on the load's weight and size. For heavier loads, distribute the weight evenly across multiple hooks.
- **Weight Limit:** The U hoist has been tested up to 480 kg (1,058lbs) at its maximum lifting force. Never exceed this weight limit.
- **Multiple Loads:** Multiple loads can be lifted simultaneously, but ensure the number of hooks and the weight are balanced on both sides.
- **Lifting Procedure:** Begin lifting slowly to prevent jerky movements. Ensure the load rises smoothly and steadily.

Product usage precautions

Pre-Use Inspection Checklist (Must be verified after repairs or reconnections)

1. Inspect the hanging ring for deformation or looseness.
 2. Check the lifting strap for any signs of breakage.
 3. Ensure all hook connections are secure, with no detachment or looseness, and confirm that fixing nuts can be tightened properly.
 4. Examine the U-hoist body for deformation or cracks.
- Lifting radioactive or molten materials is prohibited. When applicable, personnel must avoid contact with such substances.
 - Working Load Limit: 480KG, with a lifting cycle limit of less than 16,000 times. Please use the equipment within its service life.
 - Do not operate at an inclined angle.
 - Operating Temperature Range: 0°C ~ 60°C.
 - Do not use in environments exceeding 60°C or below 0°C, or in flammable, acidic, or alkaline conditions.

Work environment safety

- Operate in compliance with national and industry safety production standards.
- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Do not operate power tools in an explosive atmosphere, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Ensure all unauthorized personnel have exited the work area before operating power tools.
- When using power tools at elevated or adjustable heights, ensure no one stands beneath the work area.

Personal safety

- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, nonskid safety shoes, a hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.
- Do not lift objects weighing more than the value provided in the lifting force chart. There is a risk the weight can fall off.
- Use caution during operation to prevent risk of load crushing feet and hands and damaging the object and tool. Do not shake the tool while lifting, moving and placing objects. Do not swing or shake the load while lifting, moving and placing objects.
- Weight may drop without warning if the safety precautions are not kept! This is very dangerous, especially with heavy loads. Therefore all safety precautions should be kept to the maximum.

Power tool safety

- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Disconnect the plug from the power source and/or remove the battery, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Do not use the power tool if the switch does not turn on and off easily. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Implement regular equipment inspections. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.
If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Use the power tool and accessories etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

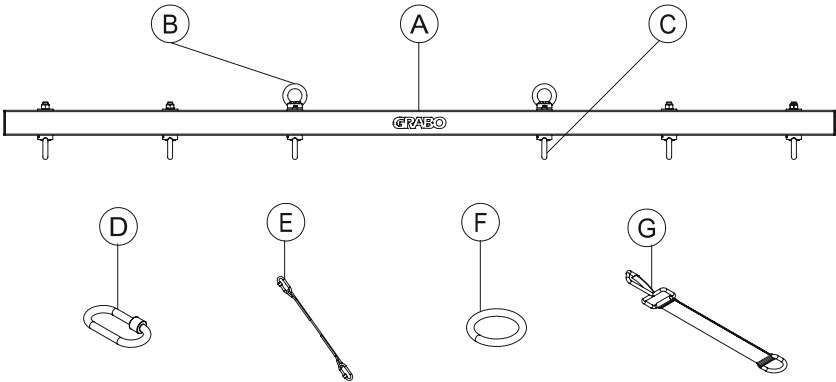
After-sales service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- For any malfunction or damage, please contact official after-sales service centre for inspection and repair. Repairs will involve part replacement/repair as needed. Repairs or part replacements will be carried out according to the specific fault condition of the device. Under no circumstances should the Grabo be opened for repairs or any other purpose by anyone other than an authorized after-sales service technician. The manufacturer's warranty will become void if the product is disassembled without authorization.

Equipment Handling and Storage

- During handling and storage, do not place heavy objects on top of the equipment to avoid deformation or breakage.
- During handling and storage, avoid excessive shaking to prevent collisions with other objects that may cause deformation or damage.
- No contact with hazardous materials.

GRABO® U Hoist Parts List



Letter	Part name	Quantity
Ⓐ	U Hoist bar	1
Ⓑ	Upper hanging ring	2
Ⓒ	U hoist ring	6
Ⓓ	O-lock buckle	4
Ⓔ	Upper rope	2
Ⓕ	O-ring	1
Ⓖ	Lanyard	16

GRABO®

U HOIST

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By GRABO LIMITED - www.GRABO.com