



# Gigaklick

Table of contents:

1. Instructions for use... 2

1.1. SAFETY INFORMATION... 2

1.2. INSTALLING THE GIGAKLICK BRAKING DEVICE... 3

1.3. DIRECTIONS FOR USE... 6

1.4. HANDLING... 7

1.5. SAFETY CHECK... 7

1.6. MAINTENANCE AND REPAIRS... 8

1.7. INSPECTION... 7

1.8. LABELLING... 7

1.9. EC declaration of conformity... 9

**BRAKING DEVICE WITH LOCKING MECHANISM IN COMPLIANCE WITH STANDARD EN 15151-1, TYPE 8 FOR BELAYING A SECOND CLIMBER; FOR LOWERING AND ABSEILING A PERSON WHEN CLIMBING.**

These instructions for use contain important information - before using this product, you must read these instructions for use and understand their contents.

The **Gigaklick** braking device was developed as a stationary belaying device for use in climbing halls to minimise the danger of a fall to the ground during top rope climbing. It may also be used for lowering and abseiling a person.

Climbing in a climbing hall involves risks which can lead to accidents. Possible causes could, for example, be that:

- The belayer may not have the strength to prevent the climber from falling
- The belayer may not be able to control the speed of the climber when lowering
- The weight difference between the climber and the belayer is too large.

Please consult the relevant specialist literature for extensive, detailed further information.

The following directions for use are of the utmost importance to ensure correct, practical use. However, they are no substitute for experience, personal responsibility and knowledge regarding the dangers that may arise when climbing and do not release you from your own personal risk.

The manufacturer waives all liability in the event of misuse of the equipment. In all cases, the responsibility and risk is borne by the users or the relevant responsible persons.

**1.1 SAFETY INFORMATION**

The device may only be used by trained and experienced persons, or under suitable guidance and supervision. Before first use, users must familiarise themselves with the functions of the device in a safe environment.

Persons using the **Gigaklick** device for top roping must have experience of belaying.

The device does not replace the belayer and may not be used for self-belaying.

Intended use: by a climber and a belayer.

- Multiple persons (climbers) may not be belayed with the device simultaneously!
- The maximum weight of the climber is restricted to 120 kg.
- The rope guide may not be used as a load-bearing point or as an anchor point. It is only intended to guide the rope into and out of the device.



## Rope guide

- The ends of the rope could be confused. It is important to ensure that the ends of the rope are marked accordingly. For further information, please consult Section '1.4 HANDLING.
- **Gigaklick** is an additional belaying device. Belaying a partner with an EN 15151-1 or EN 15151-2 compliant belaying device may not be neglected or omitted under any circumstances.
- Use of a static rope is not permitted! For further information, please consult '1.3 DIRECTIONS FOR USE'
- The penetration of sand and dirt can have a negative effect on the function and cause the device to become damaged! If necessary, clean the device before use.
- The **Gigaklick** braking device is fitted at the topmost point of the safety chain and may not be climbed over.
- The belayer must not stand directly underneath the climber and must maintain sufficient distance from the possible fall line/abseil line of the climber, so that he/she cannot be hit by the climber should he/she fall.
- The **Gigaklick** may not be fitted in locations where the atmosphere is excessively conducive to the development of corrosion.
- The **Gigaklick** must be protected from the direct effects of the weather (rain and UV rays).

## 1.2 INSTALLING THE GIGAKLICK DEVICE

## Mounting bracket

The mounting bracket for the **Gigaklick** can be fixed to a building structure or similar substructure. However, in all cases, the structure that should bear the weight of the **Gigaklick** and therefore also of the climber, must exhibit sufficient structural stability. The user/installer is responsible for the mounting bracket being safely secured. In all cases, the mounting bracket must be installed at the topmost point of the safety chain so that the entire climb route is safely navigable. Climbing over the **Gigaklick** is not permitted!

CAUTION: Check the condition and the stability of the substructure in advance, and that it has been correctly secured/installed. If necessary, please consult the climbing hall operator or the climbing wall manufacturer who will be able to advise you.



CAUTION: Before installing the braking device, please ensure that installation can be carried out safely: secure footing with no danger of falling, or appropriate fall protection.



CAUTION: Only the supplied mounting bracket is permissible for securing the **Gigaklick**. Each anchorage point (screws or wall plugs) must be able to bear a load of 20 kN.

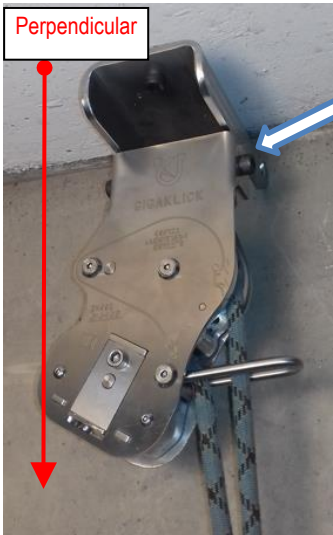




Mounting bracket with vertical anchorage points

Ceiling installation:

CAUTION: Ceiling installation is only possible with the mounting bracket with vertical anchorage points.



Example photo: correct ceiling installation

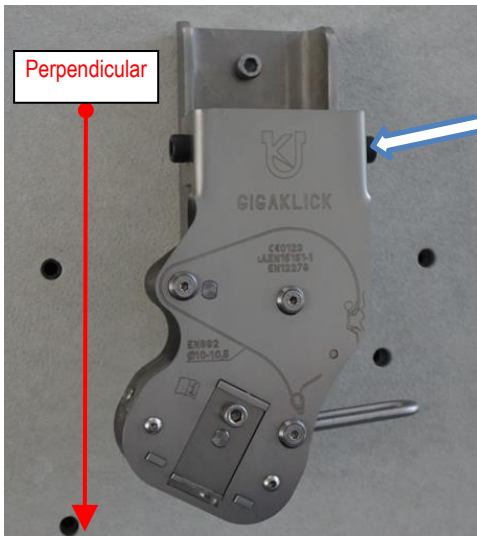
Mounting bolts

Unfold the device and fix the device to the desired anchorage points.

CAUTION: The anchorage points must each be able to bear a load of 20 kN.

CAUTION: Ensure that the mounting bracket is level when installed. If the installation is not level, this can have a negative effect on the brake performance. Ensure the Gigallick is perpendicular and tighten the mounting bolts.





Wall installation:

Mounting bolts

Unfold the device and fix the device to the desired anchorage points.

CAUTION: The anchorage points must each be able to bear a load of 20 kN.

Now fold the device back down.

CAUTION: Ensure that the mounting bracket and the Gigaklick are perpendicular when installed. If the installation is not level, this can have a negative effect on the brake performance. Tighten the mounting bolts.



Example photo: correct wall installation with mounting bracket with vertical fixtures



Example photo: correct wall installation with mounting bracket with horizontal fixtures

### 1.3 DIRECTIONS FOR USE

Before first use, users must familiarise themselves with the functions of the device in a safe environment. Before each use, a visual and functional check of the device should be performed.

It is the responsibility of the user to check that the combination of belaying device – belaying carabiner – climbing rope(s) to be used are working correctly prior to use.

Types of rope to be used

Only dynamic single ropes in compliance with EN 892 are permitted to be used with the **Gigaklick** device.  
Diameter range 9.5 to 10.2 mm.  
Commercial ropes can differ from the manufacturer's nominal diameter by  $\pm 0.2$  mm.

CAUTION: Heavily used ropes can have an increased diameter and should be changed at the correct time or should not be used with the **Gigaklick** braking device.  
CAUTION: The device's braking performance is, among other factors, dependent on the rope diameter and the condition of the rope: Smooth ropes, air and rope moisture can have a negative effect on the device's braking performance.



Safety and functionality check

Before belaying, you must check that the rope has been inserted correctly and that the device is working properly by briefly tugging on the exiting rope (in the direction of the climber).  
If the rope is inserted correctly, the moveable brake cams will prevent the rope leading to the climber from being pulled further.

Operating principle  
Braking and blocking

**Gigaklick** is a belaying device which brakes and then blocks the rope in the case of a dangerously high descent speed (e.g. if the belayer makes a mistake or fails to respond), thereby protecting the climber from falling.

The centrifugal forces that develop in the rope pulley in the event of increased rope speed cause the rope to be braked and blocked.

The integrated braking system significantly reduces the impact force. This helps to minimise any additional injuries sustained by the climber.

User weight

A user weight between 14 kg – 120 kg is permitted.

Releasing the block  
Lowering the climber

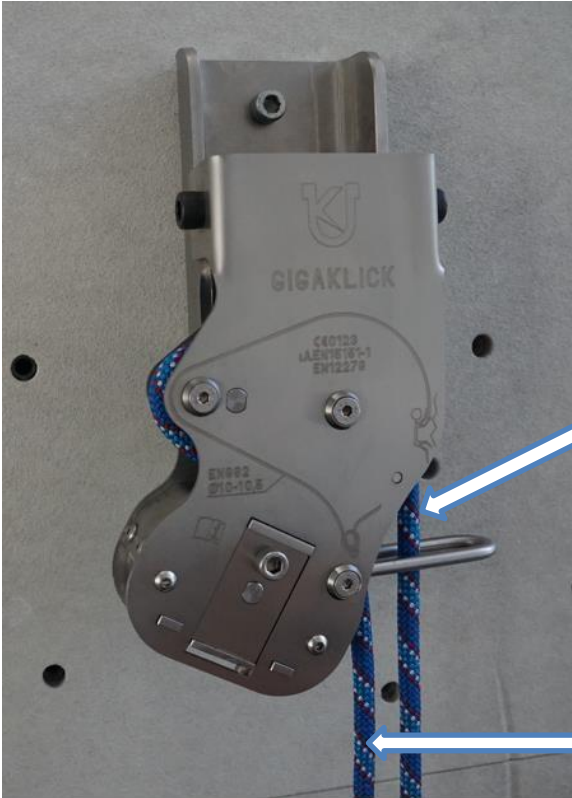
To release the rope block in the braking device, the climber needs to be pulled approx. 5 cm upwards. The block will then release and the climber can continue to be lowered.

- If the climber is able to help with this process and pull him/herself upward on the safety rope (the belayer's end of the rope), this should be easily achieved by the belayer and the climber together.
- If the climber is unable to help with this process (e.g. due to injury), the belayer's end of the rope needs to be pulled with approx. double the weight of the climber. Request help in doing this.
- When planning the route, take care that the belayer's end of the rope can be reached by the climber in the event of a fall.

### 1.4 HANDLING

Fitting the rope

Insert the rope into the braking device and follow the path of the rope as indicated on the device:



End of rope to the climber



End of rope to the belaying device

Marking the rope ends

CAUTION: The end of the rope leading to the climber and the end of the rope leading to the belayer should now be unambiguously marked so that these cannot be confused. We recommend affixing two carabiners to the climber's end of the rope so that they open in the opposite direction, while tying a figure-of-eight knot in the belayer's end of the rope, which can be covered with a plastic tube. CAUTION: there is no belaying function if the rope is inserted incorrectly!



Avoid formation of slack in the rope

CAUTION: While using the device for belaying, the belayer must ensure that the safety rope to the climber never becomes slack. In the case of a fall, slack in the rope means that the height of the fall increases for the climber, thereby significantly increasing the risk of injury.



Use additional belaying devices

CAUTION: **Gigaklick** may only be used in conjunction with other belaying devices. This means, for example, that the belayer must use the safety rope with the support of an additional belaying device and safety harness. The end of the rope may not simply be held loose in the hand. When securing the climber to the climbing harness, the belayer must also be secured using suitable methods, so that he/she is not pulled away if the climber should fall.



### 1.5 SAFETY CHECK

To check that the device is functioning correctly, please proceed as follows:  
Tug on the climber's end of the rope, without holding onto the belayer's end of the rope.  
If the device is functioning correctly, the rope should be blocked in the device and it should not be possible to be pull the climber's end of the rope any further through the device.  
Then pull on the belayer's end of the rope. The rope block should then release again.

CAUTION: If these processes cannot be completed without issues, or if there is any doubt regarding the proper functioning of the device, remove the device from use immediately.

For further inspection or repair of the belaying and braking device, please contact the manufacturer.



Regularly inspect the condition of the rope! If a rope has been too heavily used, it can have a negative effect on the function of the device. Ensure the ropes used are replaced in good time.

The rope must undergo a visual check before use each day.

Check: The braking device must also be inspected by the manufacturer or by an authorised specialist on a yearly basis.

Disposal: As a general rule, the belaying device should be disposed of:

- in the case of deformations,
- in the case of recognisable corrosion, if the moving mechanical components are not functioning correctly.

## 1.6 MAINTENANCE AND REPAIRS

The braking device should be cleaned at regular intervals, depending on the environmental conditions and the degree of use. Depending on the environmental conditions, this may mean cleaning the device monthly or more frequently.

Cleaning can be carried out using a compressed air pistol to remove dust and other soiling.

Cleaning can also be carried out using a cloth dampened with water. Do not use aggressive cleaning products.

Do not carry out any repairs to the device yourself. If the device is dismantled or modified, the manufacturer shall no longer accept liability.

Service life: Depending on the frequency and intensity of use, a rough estimate can be provided:

- Maximum service life under optimal storage conditions (see Storage section) and without usage: no known limitation.
- Under daily, extremely intensive usage and very high work rates, approx. 1-2 years.
- Under occasional, proper usage without recognisable wear (used with clean ropes) and optimal storage conditions: 10 years

Storage:

- Store in a dry place.
- No contact with aggressive substances (e.g. acids or other chemicals).
- When transporting the braking device, choose packaging that protects against impact and deformation.

## 1.7 Inspection body

TÜV SÜD Product Service GmbH  
 CS4- Sport, PSA  
 Daimlerstrasse 11  
 85748 Garching  
 Germany

## 1.8 LABELLING

Labelling on the product:

Manufacturer: **KeepU** GmbH Raas Unterrain Nr. 5

39040 Natz-Schabs BZ IT

Date of manufacture: Date:

Serial number: S.N.:

Braking device in conformity with EN 15151-1 and EN 12278

Model: **Gigaklick**





Info symbol: The warnings and instructions must be read and adhered to.  
 Suitable rope diameter: 9.5 - 10.2 mm  
 User weight: 14 kg – 120 kg  
 Pictographic images for the correct insertion of the rope  
 Inspection body: CE 0123

## 1.9 EC declaration of conformity

### EC declaration of conformity in compliance with European Directive 89/686/EEC Personal protective equipment

The company

**KeepU** GmbH, Unterrain 5, I – 39040 Natz - Schabs (BZ)

hereby declares that

the **Gigaklick** protective equipment

complies with the provisions of Directive 89/686/EEC and

- is identical to the protective equipment that is the subject of EC type examination certificate No. P5 17 12 01251 002 issued by the named inspection body, TÜV SÜD.
- is subject to the procedure under Article 11 (b) of Directive 89/686/EEC.

If any alteration is made to this device without our prior agreement, this declaration loses its validity.

Description:	Braking device
Type:	GIGAKLICK
Year of manufacture:	2017
Applicable EC Directives:	Directive 89/686/EEC
Applicable harmonised standards, in particular:	EN 12278 EN 15151-1
Natz - Schabs	28 December 2017
Place	Date

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Signature: Kofler Bernhard