

FALCON MINI

User Manual

FALCON MINI

Rope pulley

Technical changes reserved

BRIEF DESCRIPTION

INTENDED USE

The rope pulley FALCON MINI used in connection with a full body harness in compliance with EN 361 or a climbing harness in compliance with EN 12277 and a lanyard in compliance with EN 795 and EN 354 exclusively serves to secure briefed persons against falling when climbing in climbing courses or using rope slides. It may only be used by one person at a time. It is always used in combination with a horizontal or slightly taut textile rope or wire cable (flying-fox, rope slide). In the case of rope slides or similar, a suitable brake system must also be installed. The suspension rope and its attachment must be correctly planned and mounted by a qualified person. The suspension rope or rope slides may be permanent or temporary installations. There is a real risk to life if travel speeds are too high or if the tension rope or the anchors are inadequately strong. The connection of the safety rope should always be seen as redundant.

Maximum use: 1 person at a time.

Application temperature: -30°C to +60°C

All other uses are deemed improper. The company BORNACK will not be liable for any ensuing damages. The user bears the sole risk.

Observe operating specifications in compliance with EN 15567-2.

EQUIPMENT

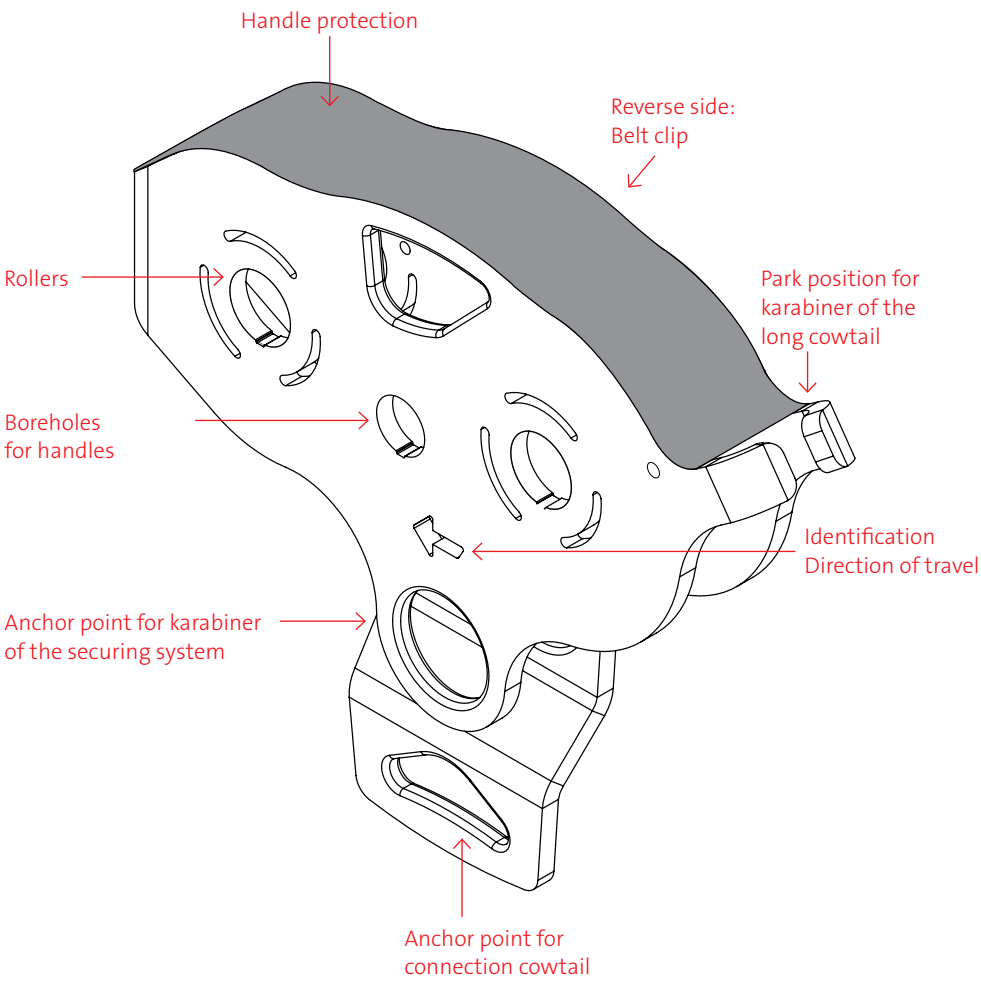
- Housing made of VA
- Plastic handle protection
- Rollers with ball bearings made of VA
- Belt clip to affix the pulley made of VA

ACCESSORIES

- Rubber-coated handles made of VA
- Cowtail

APPLICATION

Zip lines or flying-fox in commercial supervised adventure parks or educational systems etc.



INFORMATION BEFORE USE



Test every time before use!

- If even the slightest of faults is detected during the inspection, the device may not be used. Faulty devices may only be tested and repaired in a workshop authorised by BORNACK.

VISUAL INSPECTION

- All parts are in place and undamaged.
- The housing shows no signs of damage in the shape of deformation or wear.
- Metal parts without deformation, cracks, corrosion, excessive wear.

FUNCTION TEST

- Rollers run smoothly in the direction of travel.
- Rollers block when moved against the direction of travel.

FALCON MINI IN USE

Read the User Manual.

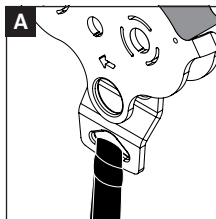


CAUTION:
Wear protective gloves.



PREPARATION

A Connect the rope pulley FALCON MINI to the cowtail tightly by means of a cow hitch knot.



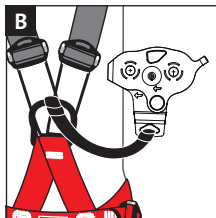
CAUTION:
Please note that the lanyard of the FALCON MINI is shorter than the shortest rope of your securing system. This means that during the slide, the rope pulley always bears the load, not your securing system.



CAUTION LIFE-THREATENING RISK:
The FALCON MINI cannot replace the second rope of your securing system. A redundant securing rope is necessary.



B Connect the cowtail tightly to the climber's full body harness.



FALCON MINI IN USE

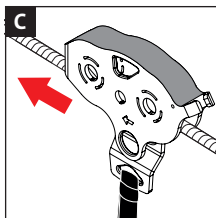
APPLICATION

- C** Place the rope pulley FALCON MINI onto the safety rope in the direction of travel.

CAUTION:



The FALCON MINI is equipped with an integrated backstop to prevent the user rolling backwards in the rope slide.



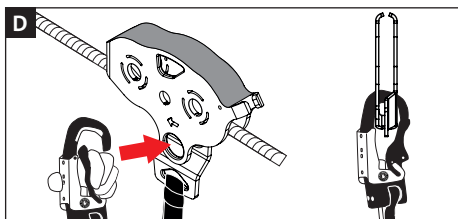
- D** Insert hook 1 of the securing system into the anchor points (short cowtail).

- E** Insert hook 2 into the safety rope behind the FALCON MINI and affix at the park position.

CAUTION:



Ensure that the cowtail is not twisted. This prevents unintentional turning on the rope slide.



CAUTION RISK OF INJURY:

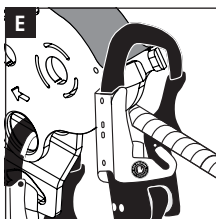


Do not touch the rollers during the slide journey.

CAUTION:



Ensure that all karabiners are locked securely and that the cowtails are tightly attached.

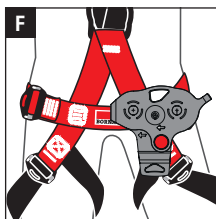


CAUTION:



The FALCON MINI is equipped with an integrated backstop to prevent the user rolling backwards in the rope slide.

- F** To stow the FALCON MINI, hook the belt clip into the all-round abdominal belt.



FALCON MINI IN USE

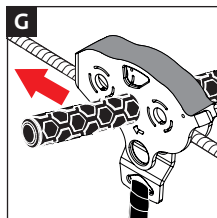
USE WITH HANDLES

G Place rope pulley FALCON MINI onto the safety rope in the direction of travel.

CAUTION:



The FALCON MINI is equipped with an integrated backstop to prevent the user rolling backwards in the rope slide.



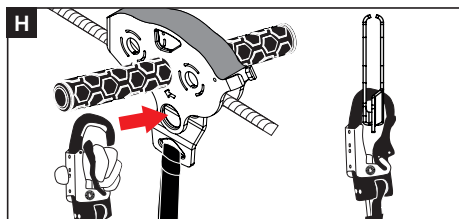
H Insert hook 1 of the securing system into the anchor points (short cowtail).

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CAUTION:



Ensure that the cowtail is not twisted. This prevents unintentional turning on the rope slide.



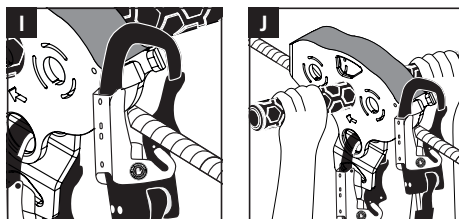
J During the slide, hold the roller tightly with both hands and check the direction of travel.

Ensure that the load (weight) of the user is borne by the cowtail and not the user.

CAUTION RISK OF INJURY:



Do not touch the rollers during the slide journey.



CAUTION:



Ensure that all karabiners are locked securely and that the cowtails are tightly attached.

FALCON MINI IN USE

CAUTION:



The FALCON MINI is equipped with an integrated backstop to prevent the user rolling backwards in the rope slide.

COMBINING

When combining with securing systems, check the compatibility.

Read the User Manual of the securing system.



CAUTION RISK TO LIFE:



The FALCON MINI is not a substitute for the safety rope of a securing system.

REMOVAL

To remove the FALCON MINI, repeat steps E to C.

SAFETY INSTRUCTIONS

There is a risk to life if these safety instructions are not observed!

- CAUTION: Only start the descent on the rope slide if there are no other persons on the suspended cable or in the 'landing' area! RISK OF COLLISION!
- Damaged, fall-stressed, dubious personal protective equipment or safety devices must be immediately withdrawn and not used. The equipment may only be inspected by an expert or a workshop authorised in writing by BORNACK. This must be documented in the checklist.
- No independent changes or repairs may be carried out.
- The personal protective equipment may only be used by qualified staff that are familiar with the material. They must be proficient in handling the personal protective equipment and must have been briefed about the possible risks associated with its use.
- Accessories from other manufacturers may only be used if approved by BORNACK and may not impair the function and safety of the protective equipment.
- Clothing and shoes must be suitable for the task at hand and the weather conditions.
- Only use the equipment if you are fully fit. Health impairments can jeopardise the safety of the user when working at heights or depths
- It is important for safety to ensure every time before use that the required clearance below the user is adequately measured so that in case of a fall, the user cannot land on a protruding obstacle or the ground.
- Protect the personal protective equipment during storage, use and transport from the effects of heat (e.g. welding flames and sparks, cigarette ash) and chemicals (acids, alkalis, oils, etc.) and mechanical effects (sharp edges or similar).
- Before starting work, the responsible person must draw up a plan of rescue measures that defines how to rescue casualties quickly and safely and ensures first aid measures. Casualties must be rescued within 10 to 30 minutes. BORNACK can help you draw up tailor-made rescue plans in specific training courses: hotline@bornack.de.
- The local safety guidelines (e.g. in Germany, the guidelines issued by the professional associations BGR 198 and BGR 199) and the accident prevention guidelines for the specific industry (UVV) must be observed.
- Personal briefing is necessary before use. This device may only be used under supervision.
- Trees used as supporting structures are, moving bodies' and can lead to premature wear close to the rope guides / curves, or may, in some circumstances, exert extremely high loads onto the suspended cable via the rope end points. Special checks are required after storms etc.
- High rope courses must satisfy the specifications of the standard EN 15567-1; forces exerted if a climber falls may not exceed 6 kN.

MISCELLANEOUS

APPROVAL

Conformity with the EC Directive 89/686/EEC.

Type-tested and production control by:

TÜV Süd, Product Service GmbH
Ridlerstr. 65
D-80339 Munich
CE 0123

Quality management system is certified to
DIN EN ISO 9001.

Production monitoring by a notified office
Category III

REGULAR INSPECTIONS

- Anchoring equipment, the full body harness and lanyards must be inspected at regular intervals, however at least once a year, by an expert. The result must be documented in the checklist at the end of this user manual.
- The PSA and securing systems used in climbing parks are subject to extremely high usage frequencies. A higher level of wear must be assumed. The test cycles must be adapted accordingly!

SALES

- The dealer must ensure that user manuals in the respective national language are enclosed with deliveries. The respective translation must be authorised by BORNACK.

SERVICE

If you have any further questions about safe use of this rope protection equipment or other BORNACK services, such as:

- Risk analysis
- Rescue plans
- Training courses
- Expert inspections

please send your question to our e-mail hotline:
hotline@bornack.de
We will be happy to help!

MAINTENANCE

- Apply oil to keep moving parts and joints of karabiners, securing devices and anchor equipment smooth running.
- Maintenance may only be carried out by trained specialists. The instructions in this User Manual must be observed strictly.
- Protective equipment that is well looked after will last longer!

CLEANING

- Dry damp personal protective equipment in the air, not on artificial heat sources. Dry metal components with cloths.
- Clean soiled textile components (e.g. arrester harnesses and ropes) with lukewarm water and a little detergent for delicates. Then rinse thoroughly and allow them to dry in the air. No other cleaning agents may be used!
- For information about disinfection, please contact the e-mail hotline: hotline@bornack.de

MISCELLANEOUS

- If the personal protective equipment comes into contact with saltwater, keep it wet until it can be rinsed with distilled water.
- If necessary, blow the device with compressed air.

LIFE SPAN

Metal parts are not subject to an age-related life span. The decision about these parts is taken by the experts based on his technical expertise.

Intensive use and/or extreme usage conditions, such as sharp edges, chemical influences, etc. will lead to a shorter service life for safety reasons. The company owner must ensure this in the risk analysis of the workplace.

The company owner must ensure compliance with the maximum usage period by documenting first-time use in the test card or the rope log.

The test card at the end of this user manual must be presented during the regular expert inspections and completed by the expert.

For more details, please visit the website www.bornack.de in the BORNACK brochure „Life span of textile personal protective equipment components“.

REPAIRS

- For reasons of liability, repairs may only be carried out by the manufacturer.
- Only original spare parts from the manufacturer may be used.

STORAGE

- Dry damp personal protective equipment before storing.
- Store away from light in a dry place.
- Do not store personal protective equipment close to radiators. Permanent temperatures of over +50°C have a negative impact on the strength of the textile material and will reduce the life span.
- Do not allow personal protective equipment to come into contact with aggressive substances (e.g. oils, grease, acids, chemicals).
- Store the personal protective equipment in the device case or device bag.

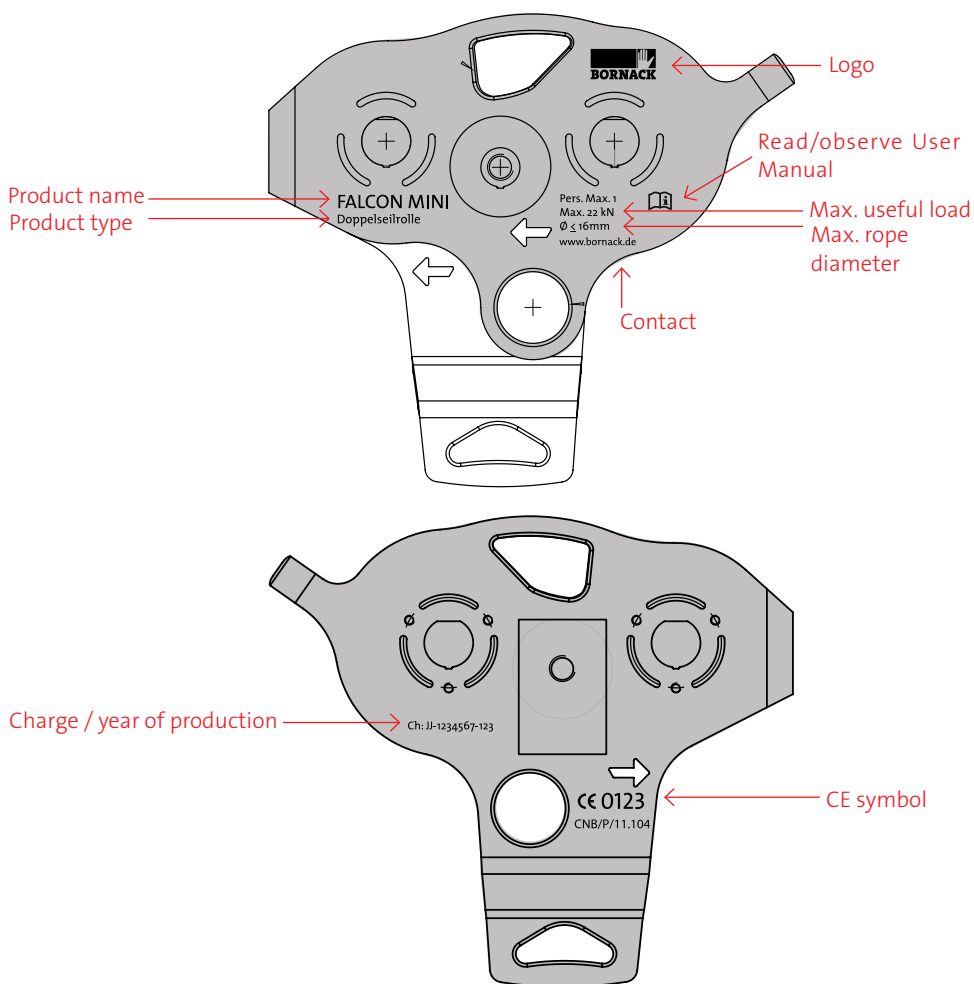
TRANSPORT

- Protected transport in the device case or device bag.

MISCELLANEOUS

PRODUCT IDENTIFICATION

The identification of this personal protective equipment contains the following information:



TEST CARD

FOR ANNUAL MONITORING

The test list must be completed in full by the expert during the annual inspection.

This test list does not claim to cover all test criteria and does not relieve the expert from his decision about the overall condition.

Type product name: _____

Manufactured on: _____

Serial no.: _____

Purchase date: _____

Date of first use: _____

Life span at the latest: _____

	Date	Signature	Next inspection	Reason for inspection
Year 1				
Year 2				
Year 3				
Year 4				
Year 5				
Year 6				
Year 7				
Year 8				
Year 9				
Year 10				

TEST CARD

FOR ANNUAL MONITORING

Please complete:

[illegible]

Notes:

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FALLSTOP

Equipment for securing and
rescuing at heights and depths

SAFEPOINT

Stationary securing systems for
architecture and industrial applications

BORNACK GmbH & Co.KG

Bustadt 39
74360 Ilsfeld
Germany

Fon + 49 (0) 70 62 / 26 90 0-0
Fax + 49 (0) 70 62 / 26 90 0-550
info@bornack.de
www.bornack.de

BORNACK Schweiz

Oholten 7
5703 Seon, AG
Switzerland

Fon + 41 (0) 62 / 886 30 40
Fax + 41 (0) 62 / 886 30 41
info@bornack.ch
www.bornack.ch