

# RFZ 1

## User manual

## RFZ 1

# Sliding arrester device on mobile guide with an energy absorber as a ladder safety device

Subject to technical changes

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### BRIEF DESCRIPTION

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#### INTENDED USE

The ladder safety device RFZ 1 serves to secure a person on a ladder.

Users are assumed to be familiar with the use of personal fall protection equipment and the risks associated with working in fall hazard areas. This personal protection equipment may only be used in vertical applications.

Maximum number of users: 1 person

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

#### FEATURES

- Very strong securing rope S 16 as a mobile guide made of polyamide
- Arrester device Ropstop 3 made of very strong rustproof steel
- Energy absorber FALLSTOP AK made of aluminium based on EN 355
- Self-locking safety hook made of steel

#### USE

- To secure a person on a ladder

#### GENERAL INFORMATION

If the goods are sold abroad, the dealer must ensure that the user manual is supplied in the applicable national language.

The respective translation must be authorised by BORNACK.

If you have any questions about safe use of this personal protection equipment or any other services provided by BORNACK, such as

- expert inspections (regular inspections)
- risk analysis
- rescue plans
- training courses

Please contact: [hotline@bornack.de](mailto:hotline@bornack.de)

We will be happy to help!

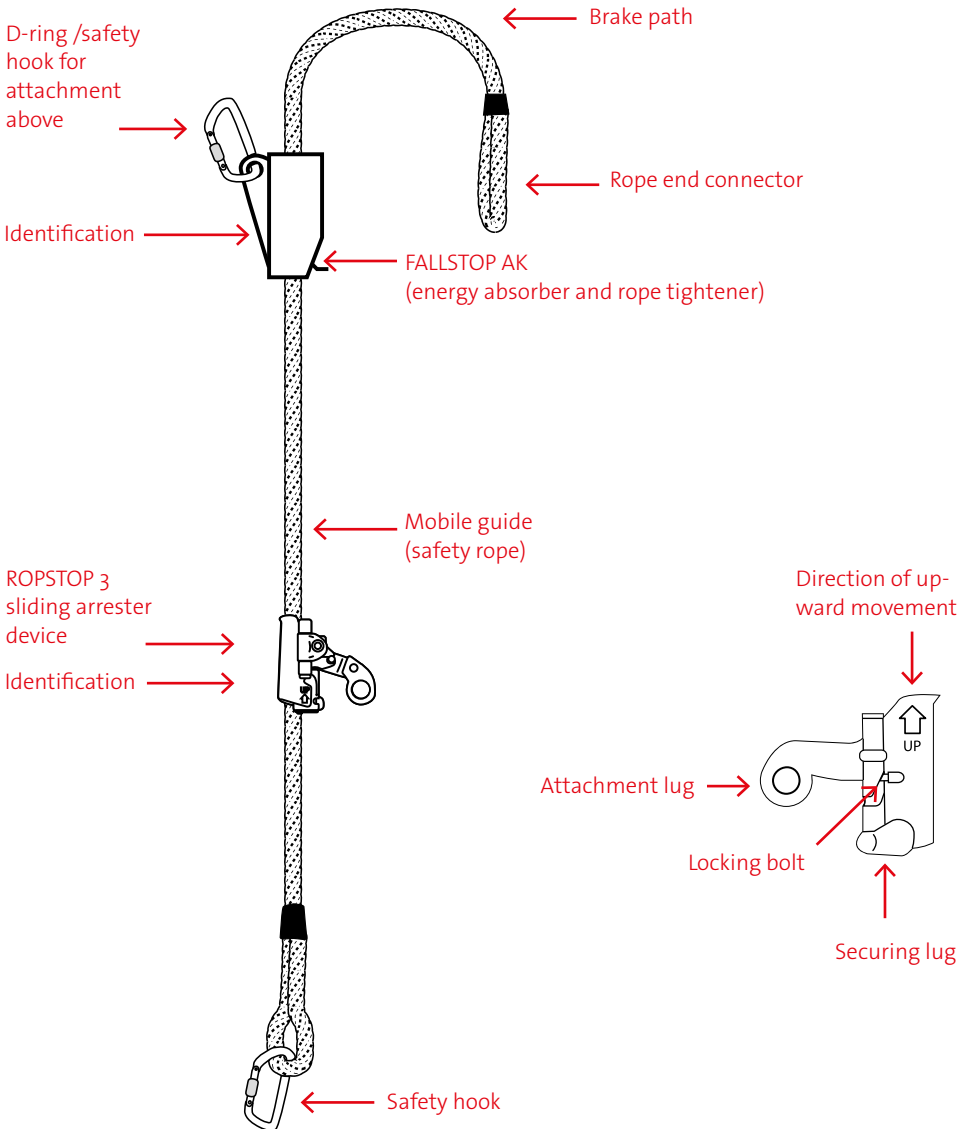
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## BRIEF DESCRIPTION

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### **APPROVAL**

- Conformity with the EC Directive 89/686/EEC.
- Type testing and production monitoring by:  
DEKRA EXAM GmbH  
Dinnendahlstr. 9,  
D-44809 Bochum  
CE 0158
- Quality management system of the manufacturer certified to DIN EN ISO 9001:2008



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## INFORMATION BEFORE USE

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**Always check every time  
before using!**

If during the inspection even the slightest of faults is detected, this protection equipment may not be used! Faulty protection equipment components may only be tested and repaired in a workshop authorised by the company BORNACK.

### **VISUAL INSPECTION**

Check that the equipment is complete:

- Are all components in place?

Check for damage:

- Are all seams undamaged?
- Can you see or feel any damage in the textile components?
- Are there any signs of damage to the fittings, D-rings, buckles, karabiners?

### **FUNCTION TEST**

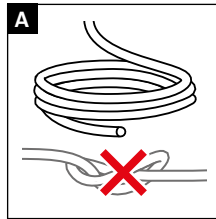
- Is the karabiner fastener and its lock functional?
- Tug the attachment lug of the sliding arrester device Ropstop 3 powerfully downwards. The sliding arrester device must clamp securely to the safety rope. After being released, the sliding arrester device must slide freely again over the rope.

## RFZ 1 IN USE

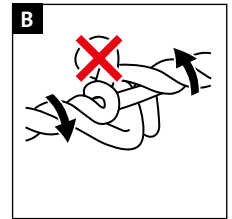
### PREPARATION

Set the arrester harness to your personal size (wearing appropriate clothing).

**A** Roll out the rope carefully. It may not be knotted.



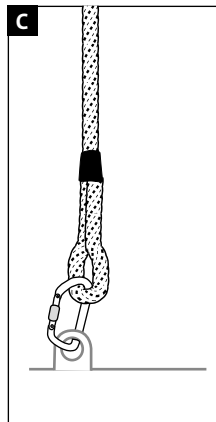
**B** The rope may not be allowed to twist against the rope rotation direction as this will cause kinks and lead to damage.



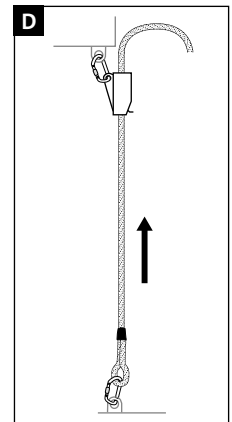
### STRUCTURE

The attachment points must be sufficiently strong EN 795:2012.

**C** Attach the lower end of the rope to the end of the ladder.

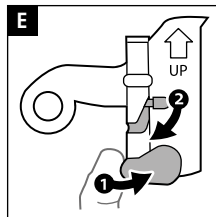


**D** Then span the safety rope using the FALLSTOP AK device to the top.

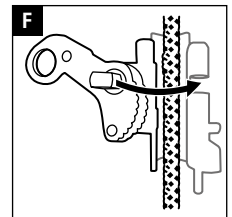


### AFFIXING THE ARRESTER DEVICE

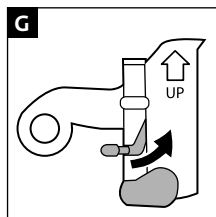
**E** Hold the device in the palm of your hand. The direction arrow should point UPWARDS. Lift the securing lug and push the locking bolt downwards. Locking the locking bolt into the „park position“.



**F** Place the guide rope into the device and close the device. Check the working direction: Arrow points UPWARDS!



**G** Push the locking bolt out of the „park position“: the bayonet fastener snaps closed automatically!



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## RFZ 1 IN USE

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### **CONTROL**

Is the arrester device ROPSTOP 3 positioned correctly?

The device must hold its position on the rope and may not slide downwards. If jerked downwards, the device must block.

The device can be pushed freely up the rope. Hook the karabiners from the connecting equipment into the attachment D-ring of the attachment point and secure.

Push the ROPSTOP 3 up the vertical guide rope by hand as high as it will go. It should be just in reach to allow it to be adjusted. The system is now ready for use and work may commence. The guide rope must be taut (not slack).

### **DISMANTLING**

The ladder safety device RFZ 1 is dismantled in reverse order.

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## SAFETY INSTRUCTIONS

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

- The personal protection equipment may no longer be used even in the case of very minor faults.
- Damaged, fall-stressed, dubious personal protection 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.
- Independent modifications or repairs are prohibited.
- The rope protection is part of the personal protection equipment to prevent falling and should be assigned to a specific person.
- The personal protection equipment may only be used by qualified staff that are familiar with the material. They must be proficient in handling the personal protection equipment and must have been briefed about the possible risks associated with its use.
- In accordance with the accident prevention guidelines (UVV), the users of fall protection equipment (Category 3) must attend a theoretical training course and a practical training course. Make use of the training competence of the BORNACK training centres:  
hotline@bornack.de.
- Accessories from other manufacturers may only be used if approved by BORNACK and may not impair the function and safety of the protection 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.
- If this personal protection equipment is used as a fall-arrest system (free fall is possible), an arrester harness in compliance with EN 361 must be used.
- Before using, ensure that there is enough space below the user to prevent impact onto a protruding obstacle or the ground.
- Protect personal protection equipment during storing, use and transportation against the effects of heat (e.g. welding flames or sparks, burning cigarettes) and chemicals (e.g. acids, alkalis, oils) and mechanical effects (e.g. sharp edges).
- 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.
- Application temperature: -40 °C to +80 °C.
- Observe compatibility with other equipment parts of the personal protection equipment.



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## OTHER

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### REGULAR INSPECTIONS

This personal protection equipment must be inspected at least once a year by an expert. The result must be documented in the checklist at the end of this user manual.

### MAINTENANCE

Oil mobile parts on karabiners and other devices to ensure they run smoothly. Do not use grease. Bearings are permanently lubricated balls. If necessary, oil joints with (resin-free) sewing machine oil. Protective equipment that is well looked after will last longer!

### CLEANING

Dry damp personal protection 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 to dry in the air. No other cleaning agents may be used!

For information about disinfection, please contact the email hotline: [hotline@bornack.de](mailto:hotline@bornack.de). If the personal protection equipment comes into contact with saltwater, keep it wet until it can be rinsed with distilled water. Blow with compressed air if necessary.

### LIFE SPAN

Recommendations for the use of personal protection equipment in industrial environments:

Maximum storage period before using for the first time up to 5 years.

Maximum usage period after being used for the first time up to 8 years.

In the case of safety systems that work on the basis of rope friction (rappelling devices, rope shorteners, energy absorbers, etc.), functional problems may occur as a result of rope changes. In this case, the devices may need to be replaced more frequently.

For reasons of safety, after intensive use and/or extreme conditions, e.g. sharp edges and chemical influences, the usage period may be reduced. 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 checklist or the rope log.

The checklist 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](http://www.bornack.de) in the BORNACK brochure „Life-span of textile personal protection equipment components“.

## OTHER

### STORAGE

Dry damp personal protection equipment before storing.

Store away from light in a dry place.

Do not store personal protection 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 protection equipment to come into contact with aggressive substances (e.g. oils, grease, acids, chemicals).

Store the personal protection equipment in the device case or device bag.

### TRANSPORT

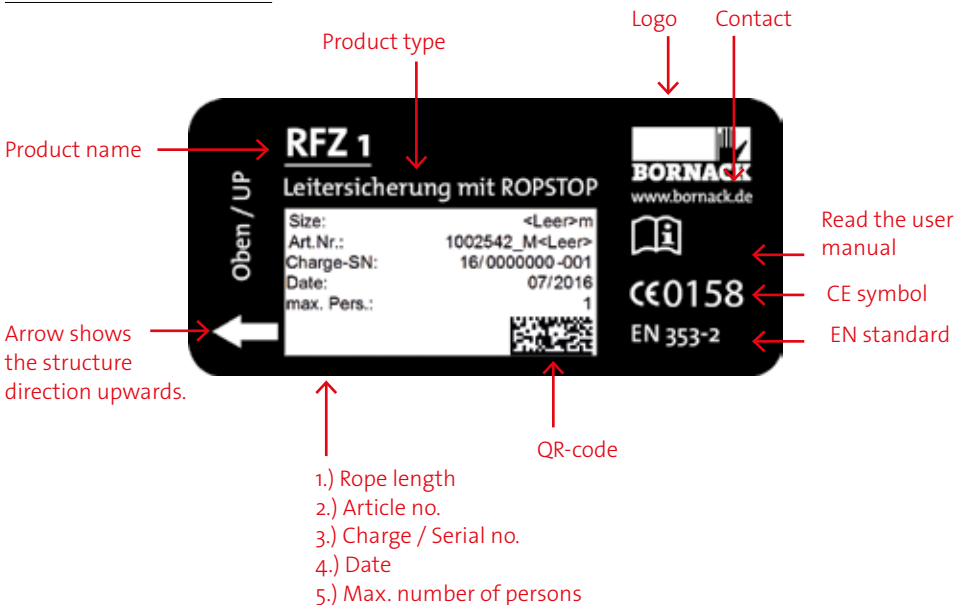
Transport the personal protection equipment protected in a device case or device bag.

### REPAIR INFORMATION

For liability reasons, repairs may only be carried out by the manufacturer.

Only original spare parts from the manufacturer may be used.

### PRODUCT IDENTIFICATION



# TEST CARD

## FOR ANNUAL MONITORING

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

Type Product name: \_\_\_\_\_

Manufactured on: \_\_\_\_\_

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

Serial no.: \_\_\_\_\_

Purchase date: \_\_\_\_\_

Manufacturer:  
 BORNACK GmbH & Co.KG  
 info@bornack.de  
 www.bornack.de

Date of first use: \_\_\_\_\_

Life span at the latest: \_\_\_\_\_

Application range: \_\_\_\_\_

|         | 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 |      |           |                 |                       |



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## EU DECLARATION OF CONFORMITY

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### CE Declaration of conformity



The manufacturer or its authorised representative based in the EU

**BORNACK GmbH & Co KG**  
**Bustadt 39**  
**D-74360 Ilsfeld / Germany**

hereby declares that the following personal protection equipment

#### **Sliding arrester device in compliance with EN 353-2**

#### **Type: BORNACK RFZ 1**

- satisfies the requirements of the EU Directive 89/686 EEC and, if applicable, the national harmonised standard **EN 353-2** (according to article 8.4 of the personal protection equipment)
- is identical to the personal protection equipment that is the object of the **CE type tested certification**  
**no. ZB 029/97**
- issued by  
DMT - Deutsche MontanTechnologie GmbH  
Certification Office CE 0158  
Am Tehnologiepark 1  
D-45307 Essen
- is subject to production monitoring acc. to Art 11, Section B of the EU Directive 89/686 EEC, monitored by the notified test institute  
DEKRA EXAM GmbH  
Dinnendahlstr. 9, D-44809 Bochum  
**CE 0158**

06.06.2013

BORNACK GmbH & Co KG

A handwritten signature in black ink, appearing to read "Klaus Bornack".

Klaus Bornack  
General Manager







### **FALLSTOP**

Equipment for securing and rescue at heights and depths

### **SAFEPOINT**

Stationary securing systems for architecture and industry

#### **BORNACK GmbH & Co.KG**

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