

RAILSTOP RS S

User Manual

RAILSTOP RS S

Guide type fall arrester RAILSTOP RS S05

Technical changes reserved

BRIEF DESCRIPTION

INTENDED USE

The fall arrester RS S05 in combination with a full body harness in compliance with DIN EN 361 with a central fall arrester D-ring at waist height, also called a ventral attachment D-ring, and with an arrester D-ring at chest height only serves to secure one person ascending or descending a ladder.

Users of this equipment must be familiar with handling personal fall protective equipment and the risks of working at heights.

The fall arrester RS S05 may only be used in combination with the tested rail guide.

This PPE may only be used for vertical applications. The angle of inclination of the ladder may be max. 75° to 103.5°

- Max. number of users: 1 person per fall arrester
- Max. user weight incl. clothing and equipment 150.0 kg
- Min. user weight incl. clothing and equipment 50.0 kg
- Application temperature: +80°C to -30°C

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

PASSENDE STEIGSYSTEM COMPONENTS RS S

- Ladder types:
 - LMB Tr280, LMB Tr273.3
 - LMB Tr280 CC, LMB Tr273.3 CC
- Rail types:
 - LMB arrester rail, C-profile
 - LMB arrester rail, C-profile CC
- Rail attachments at a distance of 1.1 m or ladder attachments at a distance of 1.7 m
- Rail end locks, rigid or releasable, both at top and bottom
- Rail joint connector
- Removal flap
- Fall arrester BORNACK RS S05
- Resting platform (hinged) on the ladder
- Rood exit with reinforcement spar

For more information, please refer to the product information for the listed accessories.

There are separate assembly instructions explaining how to assemble the various ladder types.

See pages 16/17 for information about the ladder type identification.

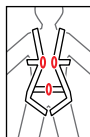
BRIEF DESCRIPTION

EQUIPMENT FALL ERRESTER

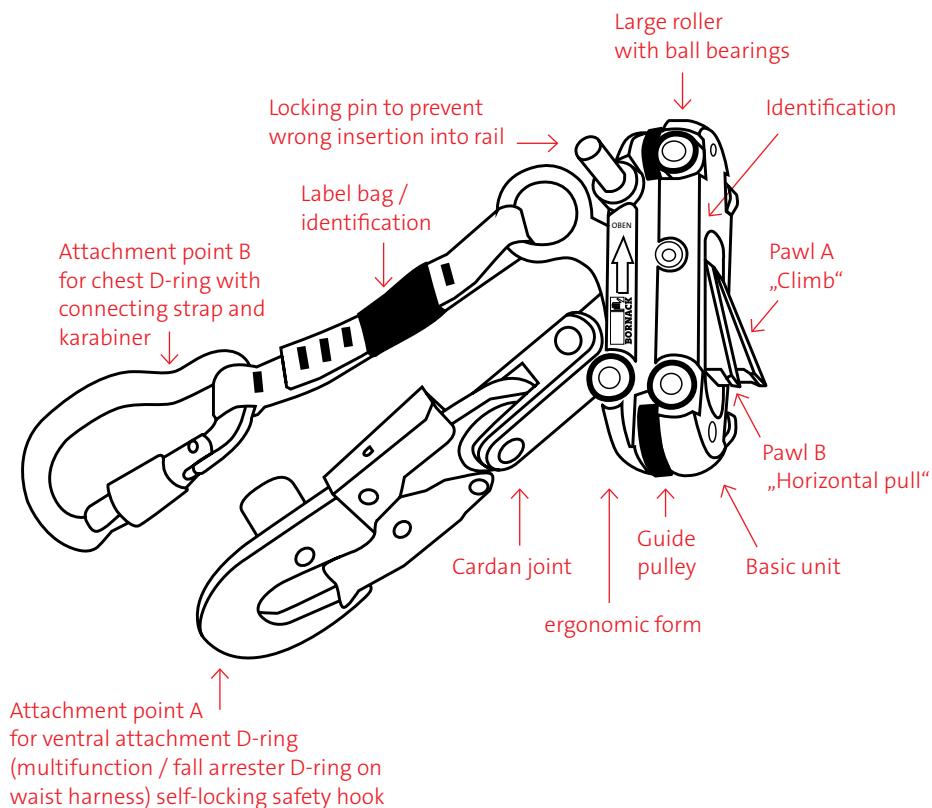
- Ergonomic aluminium casing.
- Separate pawls to prevent falls and tilting:
 - Pawl A „Climb“ with cardan joint and, depending on the model, with a safety hook made of steel or a safety hook made of aluminium with Twistlock-Plus fastener and swivel.
 - Pawl B „Horizontal pull“ with textile connecting loop and safety hook with aluminium Twistlock fastener
- Maintenance-free bearings, rollers and joints.

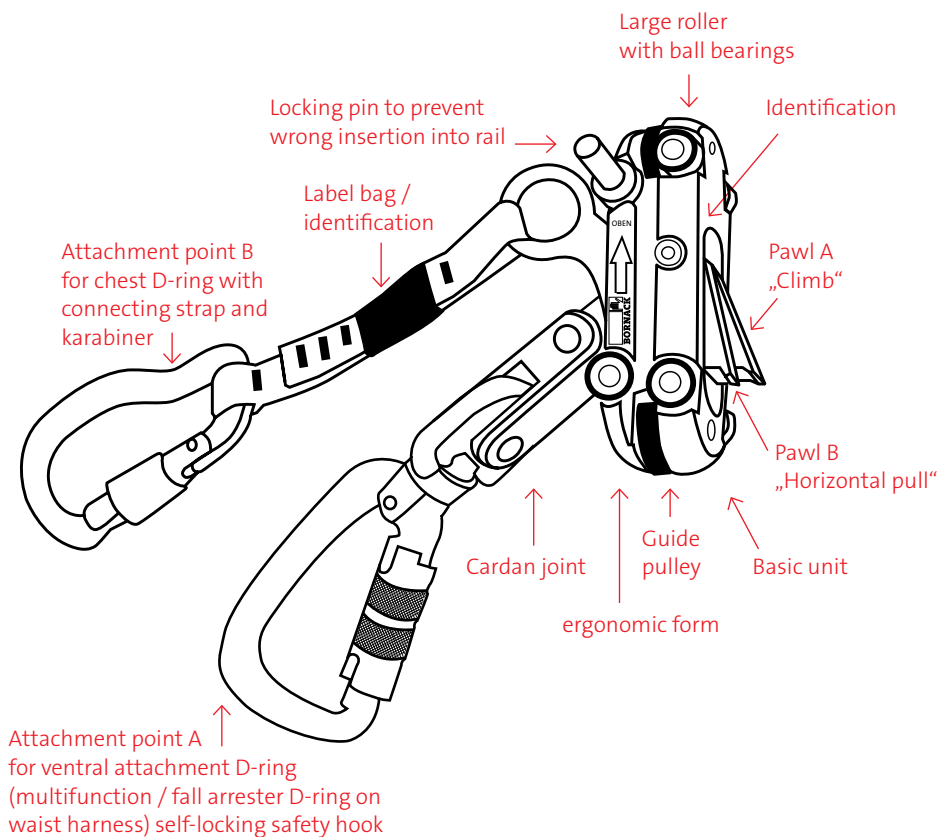
ACCESSORIES

- Full body harness in compliance with EN 361 equipped with two fall arrester D-rings at the front (sternal D-ring at chest height, ventral D-ring on waist harness) e.g. FS4T. Full body harness with elastic harnesses are not compatible.

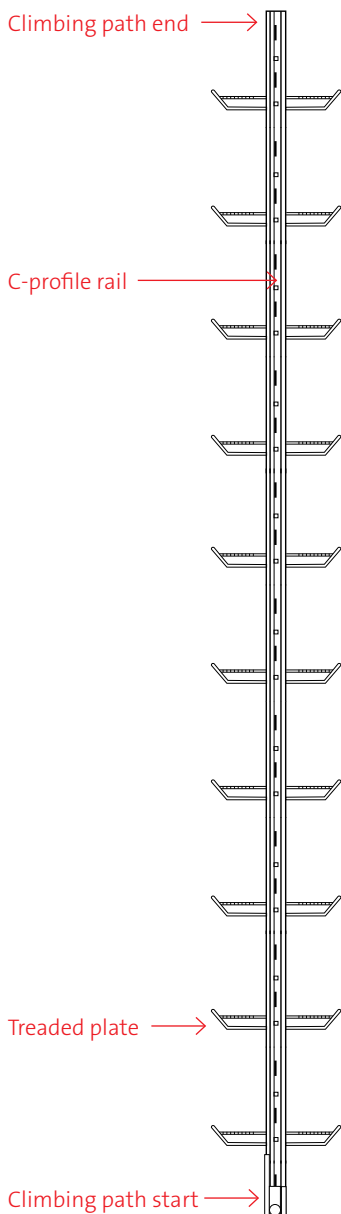


RS S05 ART.NO.: 361 065

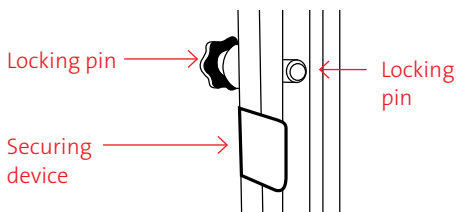


RS S05 SWIVEL ART.NO.: 361 075

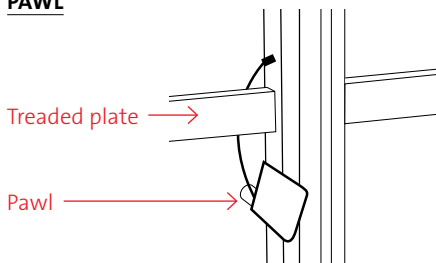
LADDER



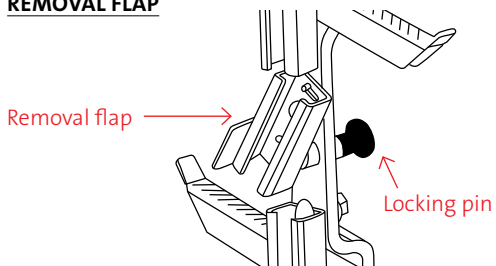
SECURING DEVICE / CLIMBING LOCK



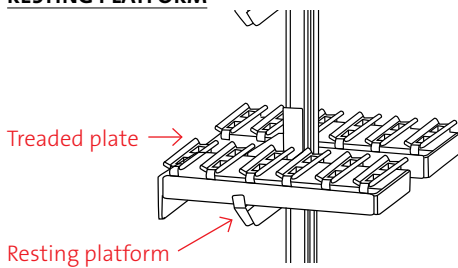
PAWL



REMOVAL FLAP



RESTING PLATFORM



BEFORE USING



**Always check every
time before using!**

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

VISUAL INSPECTION

- Check to ensure there is no obvious damage to karabiners, joints, rivets, the basic unit, pawls, lanyard and that they are not bent.
- Check to ensure that the karabiner fastener and the lock are functional.
- Check to ensure that all rails, ladder attachments and arrester equipment are complete.
- Check that the rail joints are tight and the distance between the rails is max. 3.0 mm.
- Check that the last expert inspection is not older than 1 year.
- Check that the identification is legible.
- Check to ensure that all rails, ladder attachments, exit and entry securing points, removal flaps and fall arresters are complete and undamaged.
- Check that the end stops at the start and end of the ascent path are in place.

FUNCTION TEST

- The fall arrester runs freely on lug A with a horizontal pull and locks when pulled downwards.
- Check the spring function on pawl and karabiner.
- Are the karabiner fastener and the lock functional?

RS S IN USE

CAUTION RISK TO LIFE:



Only use suitable full body harnesses. Set the full body harness to your personal size so it sits tight on the body.

PUTTING ON AND CLOSING THE FALL ERRESTER

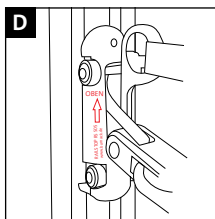
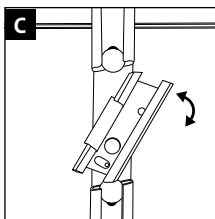
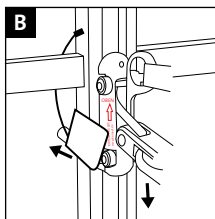
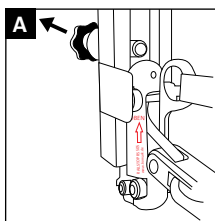
- A** Insert a fall arrester at the end of the rail or at the removal point in the rail profile. Pull the locking pin of the climbing lock downwards and hold.

Guide the fall arrester, with the pin pointing to the right, into the C-profile and past the locking pin. The securing device prevents incorrect engagement.

- B** The pawl must swing back automatically into the locked position after passing through the fall arrester.

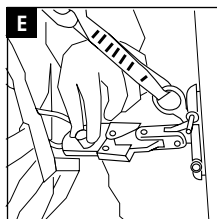
- C** Pull the locking pin backwards and turn the removal flap in a clockwise direction until it reaches the stopper. Insert the fall arrester with the locking pin pointing to the right. The integrated securing device prevents it from being inserted the wrong way round. Close the removal flap again! Swing back to the passing position and allow the locking pin to snap into the hook position.

- D** Ensure that the arrow is pointing upwards. When the fall arrester is released, the device locks into the rail automatically. Manually check the function on the rail by lifting and lowering the fall arrester. The device must block when jerked down or released!

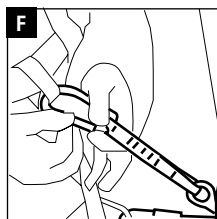


RS S IN USE

E Hook attachment point A of the fall arrester into the central attachment D-ring (fall arrester / multifunction D-ring) on the waist harness.



F Hook the fall arrester into the central attachment D-ring on the front at chest height (attachment point B).



CAUTION RISK TO LIFE:

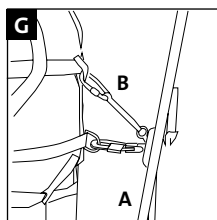


The karabiner of the fall arrester must be hooked into the central fall arrester D-ring of the full body harnesses on vertical rail guides and may not be extended!!!

Only use correctly mounted rail guides. During inspection, pay close attention to the rail joint connectors and the ladder attachments!

COMBINING

G When combining this product with other parts, there is a risk of mutual impairment of safety; therefore, only use or combine with compatible personal fall protection equipment that bears a CE symbol (PPEgA) and rescue equipment.



RS S IN USE

USING THE FALL ARRESTER

CAUTION:

Before using, ensure there is enough clearance to the ground below the user to prevent a fall onto a protruding obstacle or the ground.



CAUTION:

When starting to ascend near the ground (approx. 1.5 m), it is possible, under unfavourable circumstances, that the legs will hit the ground when the fall is arrested.



When ascending, slightly lean into the fall arrester (horizontal pull = back support) and keep unlocked in this way.

- Ascend or descend evenly and allow the fall arrester to slide.
- Do not allow loads to be exerted onto the chest attachment! Keep the upper body upright. If the upper body tilts out of the normal position (due to a fall, unconsciousness etc.), the additional pawl B will block immediately!
- The user can achieve an ergonomic resting position quickly and safely by manually lifting and blocking the fall arrester and assuming a sitting/suspended position in the full body harness. Does not serve workplace positioning!

CAUTION:

The fall arrester must be blocked before the user is suspended or sits in the harness!

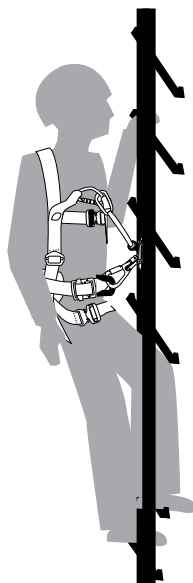


CAUTION:

When using the fall arrester, ensure that the function of the pawls and their attachments are not obstructed. Otherwise, the locking function may be disabled.



- The arrested fall arrester can be released by slightly lifting the karabiner.
- When working on the ascent, always secure with an additional holding rope in compliance with EN 358 (e.g. MANUSTOP) or with a fall arrester rope in compliance with EN 354 / 355 (e.g. BFD 1.5 m). Lateral inclined loads on the fall arrester are not allowed.



Application situation in the fall arrester.

RS S IN USE

CAUTION:

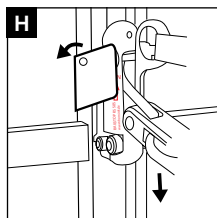


If several persons use the ladder at the same time, maintain a minimum clearance of 3.0 m. Also, the operator's risk analysis must take into account the number of users.

- Only release from the fall arrester if there is no longer a risk of falling. If necessary, secure temporarily with a lanyard.

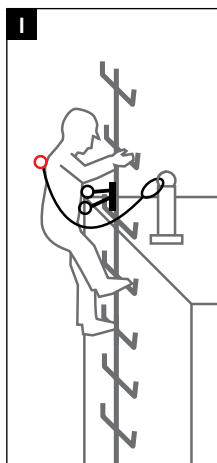
REMOVAL OF THE FALL ARRESTER

- H** Move the fall arrester close to the pawl but do not set onto the locking pin. If necessary, move the fall arrester back a bit. Press down the bracket of the pawl and hold. The locking pin in the C-profile is released and releases the C-profile. Slide the fall arrester toward the end of the C-profile and remove. Release the bracket; the pawl must automatically swing back to the locking position.



ROOF EXIT WITH REINFORCEMENT SPAR

- I** Move the fall arrester to just below the climbing lock. At an attachment point in compliance with EN 795, temporarily secure with a lanyard or directly into the fall guard of the roof system. Now open the climbing lock and remove the fall arrester from the rail of the ladder. Descend via the roof exit in reverse order.



SAFETY INSTRUCTIONS

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

- The personal protective equipment may no longer be used even in the case of very minor faults.
- 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 test card. It may only be used further if a written release is given by the expert.
- No independent changes or repairs may be carried out.
- The horizontal path (fall arrester up to attachment point A or B) may not be extended or shortened.
 - horizontal path A at RS So5 = 155.0 mm
 - horizontal path A at RS So5 Swivel = 190.0 mm
- The rope protection (arrester harness) is part of the personal protective equipment to prevent falling and should be assigned to a specific person.
- 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.
- In accordance with the accident prevention guidelines (UVV), the users of fall protective equipment (Category III) 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 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.
- Health impairments (e.g. the consumption of medication, alcohol, heart or respiratory problems) can impact on the safety of the user working at heights or depths.
- Protect personal protective 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: -30 °C to +80 °C.
- Check compatibility with other PPE parts.
- This PPE may only be used with a full body harness in compliance with EN 361.

OTHER

APPROVAL

Complies 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 certified to DIN EN ISO 9001.

Production monitoring by notified office in accordance with Category III

SALES

The dealer must ensure that the user manual is supplied in the language of the designated country. The respective translation must be authorised by BORNACK.

SERVICE

If you have any further questions about safe use of this PPE 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!

REGULAR INSPECTIONS

This personal protective equipment must be inspected at least once a year by an expert. The result must be documented in the test card 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.
- Maintenance work may only be carried out by trained experts. 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 email hotline: hotline@bornack.de
- If the personal protective equipment comes into contact with saltwater, keep it wet until it can be rinsed with distilled water.
- Wipe and clean soiled parts with a cloth, brush or clean with lukewarm water and a delicates detergent, rinse with clean water. No other detergents are allowed.
- Use compressed air to blow on the unit.

OTHER

LIFE SPAN

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

Maximum storage period before using for the first time:

up to 3 years

Maximum usage period after being used for the first time:

up to 8 years

The service life can only be prolonged by means of regular expert inspections and the replacement of age-related worn parts (harness fatigue).

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 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.

Information about the typical applications must be provided.

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 or authorised workshops.
- 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

- Transport the personal protective equipment in the device case or device bag.

OTHER

PRODUCT IDENTIFICATION

The identification on this PPE contains the following information.

Identification label pouch:

Components of connecting loop:

Product type →

Article no. →

Useful load →

Charge →

Serial no. →

Typ: RS Verbindungsschleufe


Art. Nr.: 961003-1

max.: 150kg

min.: 50kg

Charge: 13-1005062

SN: 005



Product name →
Product classification →
matching ladder systems →
Standards →



RAILSTOP
Fangeinrichtung

For ladders: For guide rails:
Tr 280CC LMB C-Profil
Tr 273.3CC LMB C-Profil CC
Tr 280
Tr 273.3

EN 353-1 2002
CNB/P/11.073

CE 0158



www.bornack.de

← Logo

Read / observe user manual
← CE symbol
← Contact

Product type →
Article no. →
Useful load →
Charge →
Serial no. →

Typ: RS S05 Swivel


Art. Nr.: 361 075

max.: 150kg

min.: 50kg

Charge: 13-1005077

SN: 002



← QR code

Identification basic unit:

QR code →

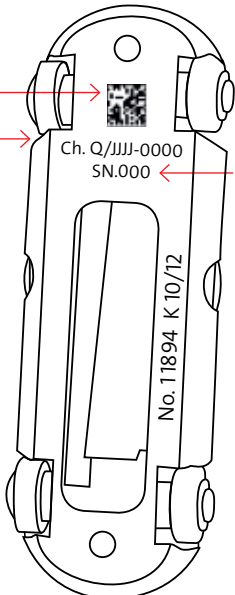
Charge →

Ch. Q/JJJJ-0000

SN.000

Serial no. →

No. 11894 K 10/12



Product name / product type →

OBEN

↑

RAILSTOP RS S05

www.bornack.de

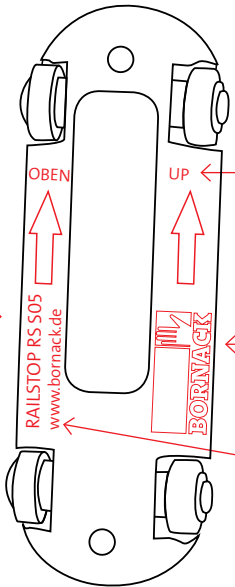
UP

↑

Travel direction


← Logo


← Contact



Identification of LMB ladders:


Product classification Logo Read / observe user manual

Product name / type →  ← Standards

Contact →  ← Matching ladder systems

Only use ladder with fall arrester and full body harness Symbols of allowed fall arresters (BORNACK / Skylotec)

Product name / type Symbols of allowed fall arresters

Logo Assembly year →  ← Application temperature

Application temperature

Type Product name / type

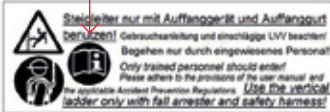
Application temperature

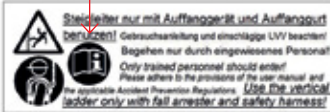
Repair

Test


Assembly year


Production

Risk of falling! Ladders over 3 m in height may not be used without a fall arrester. → 

Only use ladder with fall arrester and full body harness → 

Read / observe user manual

Risk of falling! Ladders over 3 m in height may not be used without a fall arrester. → 

Only use ladder with fall arrester and full body harness → 

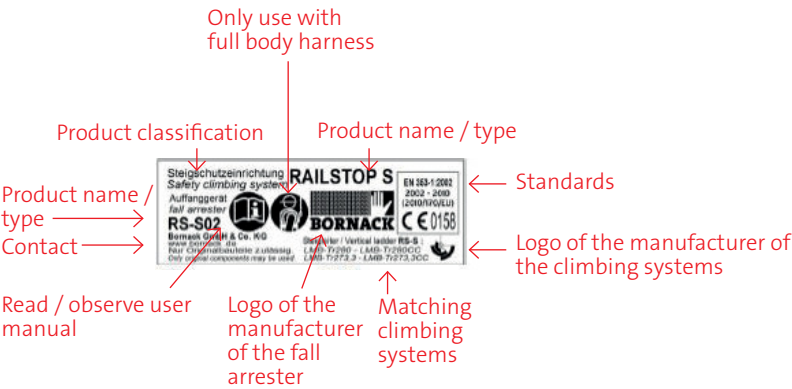
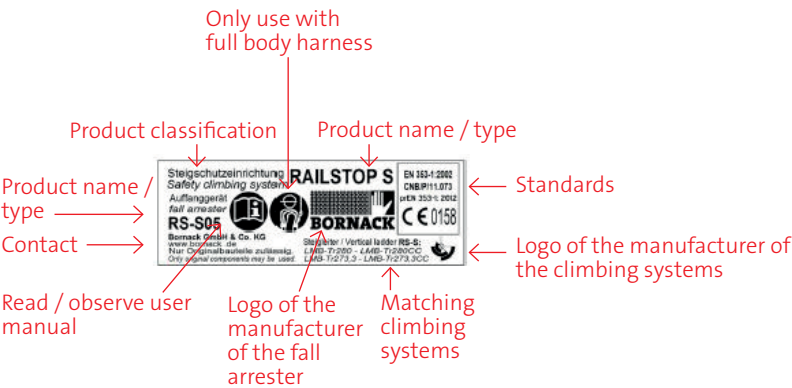
Read / observe user manual

Logo

Useful load per person Minimum clearance

Verkehrsleit Steigleiter
Max 150 kg/Benutzer
Abstand: 3 m
Traffic load vertical ladder:
Max 150 kg/user
Distance: 3 m

Identification of fall arresters:



TEST CARD

FOR ANNUAL MONITORING

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

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

Type RS S05: _____

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

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

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

Rails / ladder type: _____

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:

X

✓

[illegible]

EU DECLARATION OF CONFORMITY



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 protective equipment

Guided type fall arrester with rigid anchor line
EN 353-1:2002 CNB/P/11.073

Type: RAILSTOP RS S

satisfies the requirements of the EU Directive 89/686 EEC and, if applicable, the national harmonised **standard EN 353-1:2002** (according to article 8.4 of the personal protective equipment), and the additional requirements of the catalogue of measures CNB/P/11.073

- is identical to the personal protective equipment that is the object of the CE type tested certification
no. ZP/B092/13
- issued by
 DEKRA Exam GmbH
 Zertifizierungsstelle **CE 0158**
 Dinnendahlstr. 9
 D-44809 Bochum
- 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

10.02.2013

BORNACK GmbH & Co KG

Klaus Bornack
 General Manager



FALLSTOP

Safety equipment for securing
and rescuing at heights and depths

SAFEPOINT

Permanently installed safety
systems for architects and industry

BORNACK GmbH & Co.KG

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74360 Ilsfeld
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Fax + 49 (0) 70 62 / 26 90 0-550
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www.bornack.ch

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