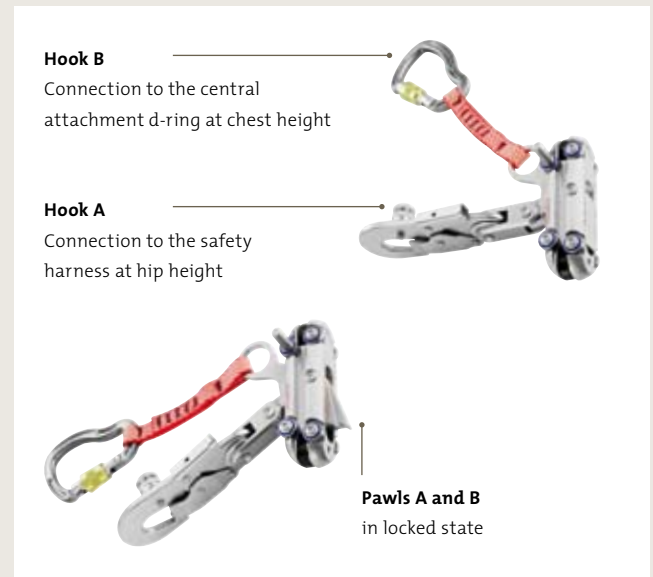


FALLSTOP® safety

RAILSTOP RS S 05 Fall Arrester

Forward-thinking Height Access Technology of the Latest Generation





The RAILSTOP RS S 05 fall arrester offers more than double safety

The demand for rail-guided height access protection systems is high: height workers place their trust in time-tested classic fall protection systems every day.

However, in spite of highly developed height access protection concepts, life-threatening accidents nevertheless still occur when climbing at heights and depths. The field-experienced safety engineers from BORNACK have therefore done their utmost to develop a completely safe fall arrester for the users of height access protection systems.

Innovative fall arrester prevents life-threatening situations

The system supplier BORNACK investigated the state of the art in height access protection systems in detail. It designed its new fall arrester for height access protection systems on the basis of its findings and technical development studies: RAILSTOP RS S 05 is the first fall arrester on the market to rule out falls and prevent life-threatening situations completely. With this development BORNACK has invested once again in the prevention of free-fall accidents.

RAILSTOP RS S 05 stops falls significantly sooner

The new technology of the RAILSTOP RS S 05 fall arrester thinks and reacts immediately: it recognises when a fall is about to happen and prevents it at the beginning of an uncontrolled situation, thereby avoiding dangerous consequences. It is therefore much safer, without restricting the freedom of movement of its users. These features are offered by no other height access fall arrester.

By contrast, the following scenario is possible with every conventional fall arrester: the rope worker makes an uncontrolled movement, the fall arrester does not catch safely in the guide rail. It only stops the fall late or not at all – with possibly fatal results.

More than double safety with RAILSTOP RS S 05

RAILSTOP RS S 05 is a fully redundant system: with its two protective functions it guarantees the user more than double safety.

1. Basic function:

Pawl A secures the user

- Pawl A is connected directly to the user's safety harness at hip height via the central height access protection d-ring.
- The user leans deliberately into the hip belt, thereby relieving the strain on his body.
- Pawl A is kept open by permanent tensile loading. It enables climbing up and down.
- If the user slips from the ladder, pawl A locks in the rail and stops the fall.

2. Control function:

Pawl B prevents falls

- The new additional pawl B is connected to a central anchor point on the upper body at chest height.
- During climbing the upper body is kept under controlled body tension and the connection loose.
- If the upper body tips to the side or backwards, pawl B locks in the rail immediately.
- The chest eye above the centre of gravity prevents the faller from toppling over, thereby unlocking pawl A.
- Pawl B can also stop a fall on its own.

Conventional fall arrester



Climbing with normal fall arrester.



Person makes an uncontrolled movement with the upper body. Pawl does not lock in the guide rail.



Person falls unstopped.



The fall arrester catches. The person is stopped with his head hanging down. Danger of death!

Conventional height access fall arresters cannot prevent deadly dangerous falls by uncontrolled movements of the upper body.

RAILSTOP RSS 05 fall arrester



Climbing with RAILSTOP RSS 05.



Person makes an uncontrolled movement with the upper body. Pawl A does not lock in the guide rail. **Pawl B is activated.**



Pawl B locks immediately and safely in the guide rail. The fall is stopped.



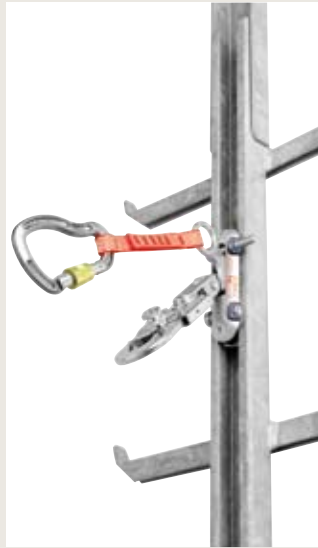
The person can return to his initial position on his own and continue climbing up or down.

RAILSTOP RSS 05 already stops falls when they begin and avoids life-threatening situations without restricting the user in his movements.

The BORNACK fall arrester RAILSTOP RS S 05 guarantees more than double safety. As a fully redundant system, it already stops falls when they begin. It is durable, extremely comfortable, ergonomically designed and can be retrofitted inexpensively.



Normal position,
for controlled climbing



Position in accidents or
uncontrolled movement



Pawl A and B free



Pawl A and B locked

Height access protection system RAILSTOP RS S 05

First-class features

- CNC-milled housing / aerospace aluminium
- Track rollers with stainless steel ball bearings
- Guide rollers for smooth rolling in the rail
- Pawl A of stainless steel with universal joint and safety hook
- Redundant pawl B of stainless steel with connection strap and safety hook
- Maintenance-free plain bearing bush at all joints

Compatible with all BORNACK systems

- Height access protection rail RAILSTOP, LMB and all rails with the same profile dimensions and spacing

Approval to European standard

- Type test with RAILSTOP rail RS S according to DIN 353-1
- CE test certification by DEKRA-EXAM

Your benefits:

- RAILSTOP RS S 05 recognises when a fall is imminent and prevents it: the system already locks when it notices a horizontal tug by the upper body.
- The fall arrester prevents backward tumbling of the body and "hanging head down".
- The ergonomic benefit of climbing with body support at hip height is retained.
- The new system can be installed easily on existing BORNACK height access rails or rails with the same profile.



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