

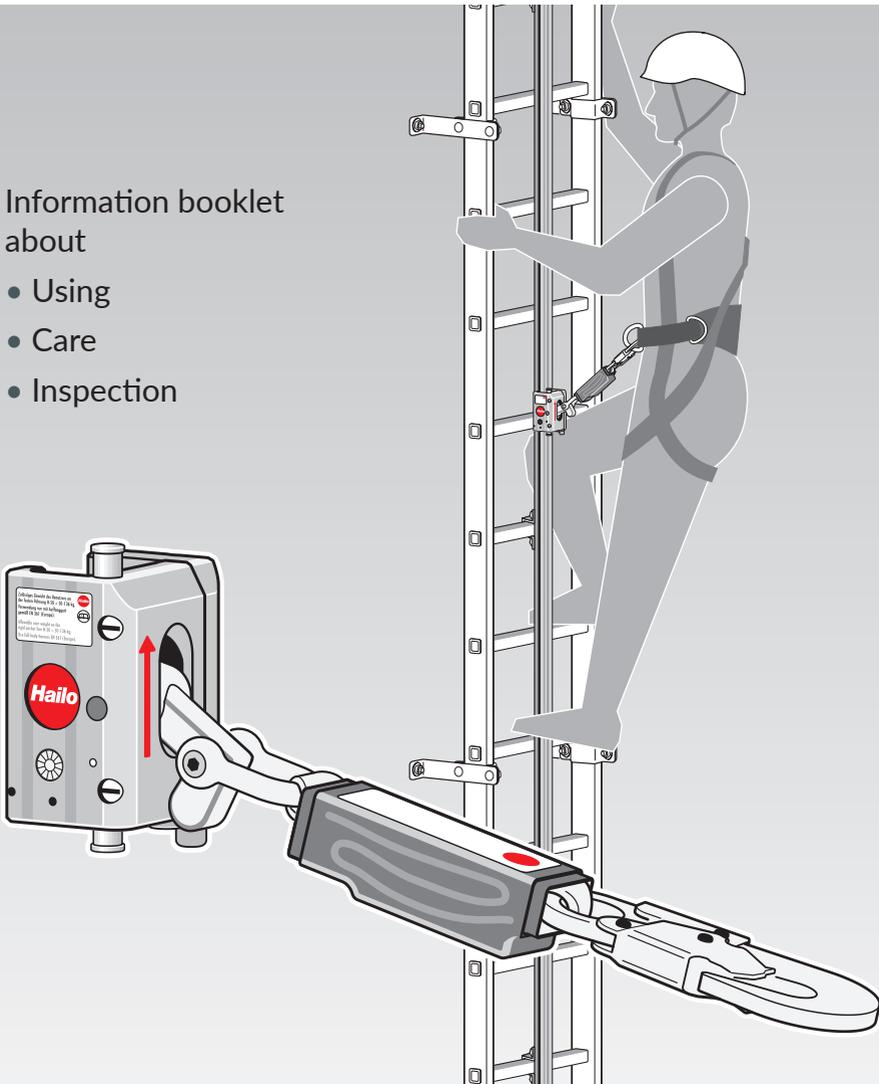
Guided type fall arrester including rigid anchor line - H-50 System

(EU) 2016/425
DIN EN 353-1:2018

Hailo SPL-50-PRO Fall Arrester and
Integrated BFD-50-136 Shock Absorber

Information booklet
about

- Using
- Care
- Inspection



1. General information, explanation of symbols



This information booklet describes how to use, maintain and test the SPL-50-PRO fall arrester.

For your safety, please read this information brochure carefully before use.

Manufacturer:

HAILO-Werk

Daimlerstr. 2,
35708 Haiger, Germany

 +49 (0) 2773 82-0

 +49 (0) 2773 82-1561

E-mail: info@hailo-professional.de

www.hailo-professional.de

Certifying and supervising body:

DEKRA Testing and Certification GmbH

Dinnendahlstr. 9,
44809 Bochum, Germany

Identification no. 0158



The SPL-50-PRO fall arrester may only be used on the H-50 fall arrest system.

Use, maintenance and inspection must be carried out exclusively in accordance with the specifications in this booklet.

The warranty will become null and void in the event of damage caused by non-observance of this booklet. No liability shall be assumed for any consequential damage arising from this.

For ease of understanding, this brochure has replaced the term used in DIN EN 353-1:2018, "Guided type fall arrester including rigid anchor line", with "fall arrest system".

EU Declaration of Conformity and EU-Type Test Certificate:



If the fall arrester is resold to another country, it is necessary for the safety of the user that the retailer provides the user with the information in this booklet in the respective national language.

 **WARNING**

Notes on potentially dangerous situations.
If these cannot be avoided, there is a risk of severe injuries or death.

 **CAUTION**

Notes on potentially dangerous situations.
If these cannot be avoided, there is a risk of injuries.

NOTE

Notes on potentially dangerous situations that may lead to property damage.



General warning advice



Risk of fatal injury in the event of a fall



Warning of magnetic field



Warning of hand injuries



See documentation



Use Personal Protective Equipment (PPE) against falls from a height



General instructions

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2. System data

Information on SPL-50-PRO fall arrester

SPL-50-PRO fall arrester: No.

BFD-50-136 shock absorber No.

Expiry date:

Date

Signature of manufacturer (Company stamp)

Information on User

Name: Company:

Telephone: Fax:

Street: Postcode,
Town:

E-mail:

Date of the first use:

Date

Signature of user

3. Intended use

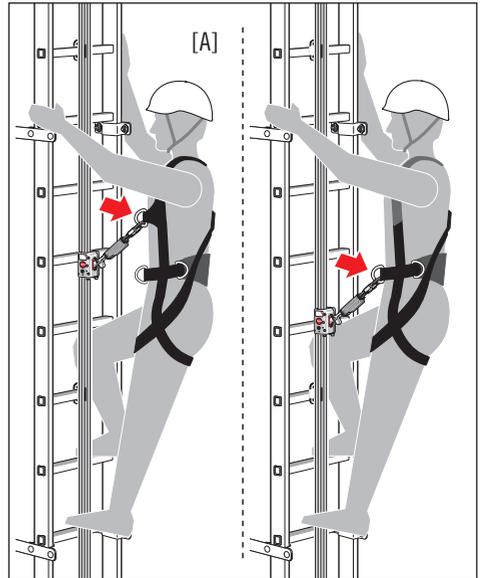
- The H-50 fall arrest system is designed as a fall safety when using rung ladders and pole climbers, both above ground and below ground. It is designed for a safe ascent and descent of service personnel to workstations at higher or lower levels.
- The SPL-50-PRO fall arrester is approved exclusively for securing persons with a total weight (body weight of the user including clothing and equipment) of 50 - 136 kg. The use of climbing aids is prohibited unless the safe usability of the combination in question has been explicitly demonstrated.
- Users of the H-50 fall arrest system, along with their fall safety personal protective equipment (PPEgA), connect to the fall arrester, which runs along the entire length of the ladder system. (see page 6).
- The fall protection system may only be used within the operating conditions described in this information booklet. Any other use (e.g. as workplace positioning or as an anchor point) is prohibited and can lead to failure of the safety system in the event of a fall. No liability is assumed for personal injury or property damage resulting from violations of the provisions outlined in this booklet or from failure to comply with the safety instructions.

4. Safety instructions

- Only persons who have been instructed in the use of vertical ladder and fall protection systems may use the H-50 fall protection system and the SPL-50-PRO fall arrester. The user of the fall arrest system must be physically and mentally capable of movement using the respective equipment. Safety in normal or emergency conditions must not be compromised.
- The contractor or operator of a plant must put in place a plan which covers all possible emergencies that might arise when using the fall arrest system and outlines the measures required for rescuing personnel.
- The accident prevention regulations DGUV regulation 1 and DGUV rules 112-198/199 (Germany) must be respected. Testing must adhere to the respective national operating and testing regulations.
- No changes or additions may be made to the H-50 fall protection system without the prior written consent of Hailo. Repairs may only be carried out using original parts and in accordance with Hailo's instructions.
- The SPL-50-PRO fall arrester is designed for use in temperatures ranging from - 40°C to + 50°C. The safe function of the fall arrester can be impaired e.g. by extreme climatic conditions, chemicals, contamination or mechanical influences (sharp edges, oil, ice, etc.). Use in this case is prohibited.
- No more than 5 persons may use the fall arrest system at the same time. The distance between individual users must be at least 6 m.

4. Safety instructions

- The SPL-50-PRO fall arrester should only be personally assigned to one user.
- When using a combination of equipment parts (e.g. combining a user-specific safety harness with the SPL-50-PRO fall arrester), it is a mandatory requirement that this should not result in any impairment of the overall system. In the event of a fall, any impairment may result in the failure of the fall arrester.
- Only approved safety harnesses according to EN 361 may be used.
- For reasons of safety, the user is not permitted to grip or manipulate the fall arrester while climbing or descending, except when the user is in a position of safety and there is no risk of falling.
- A visual inspection of the fall protection system and an inspection of the functionality of the fall arrester must be carried out before each use, (see page 12).
If there is any doubt about the safe use of the device, or if the device has been damaged as a result of a fall, it must be immediately withdrawn from use and returned to Hailo for inspection and repair.
In the event of a fall, the ladder or the fall protection rail must also be inspected by a competent/qualified person before further use.
- Additional lanyards are required when leaving the fall protection system. These should be as short as possible in order to reasonably limit the fall distance.
- Additional attaching elements, e.g. Y harnesses, should only be attached to the fastening-points provided for them (EN 795).



WARNING

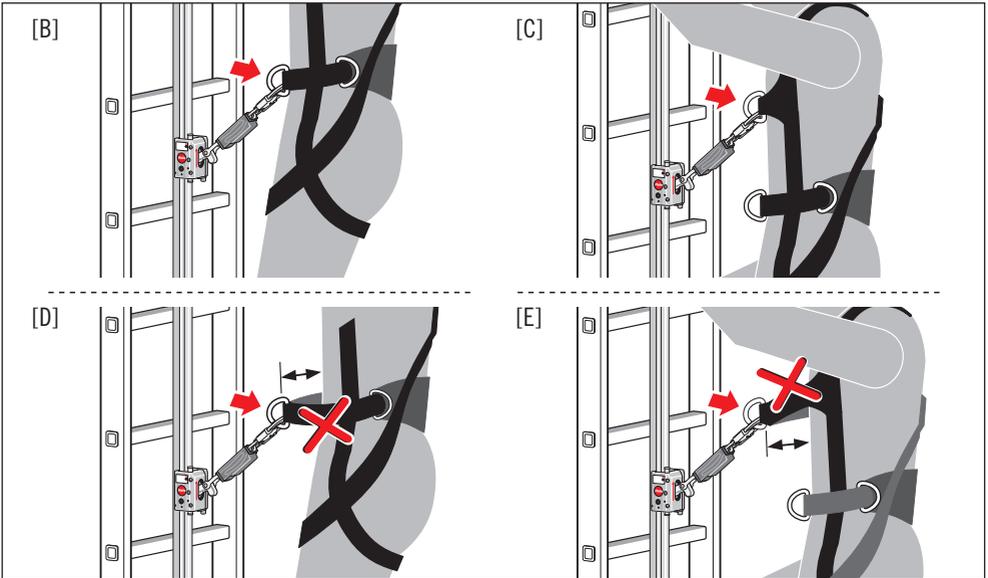
Risk of falling!

The spring hook on the shock absorber may only be attached to the authorised retaining eye on the safety harness [B].

The fall arrester must not be connected to any retaining eyes to the sides of the safety harness that may be provided as an additional element in the hip area.

The safety harness must sit firmly on the body and be correctly adjusted [C], [D].

A loose safety harness is prohibited when using the fall protection system [D] [E].

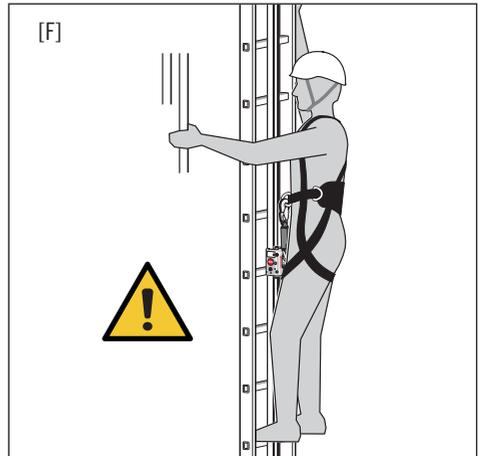


WARNING

Risk of falling!

The user should basically avoid standing in a position on the fall arrest rail where they are directly above the fall arrester [F].

Warning “Risk of falling”!



5. Technical data



The SPL-50-PRO fall arrester on the H-50 fall arrest system does not provide protection when the user is on the lower section of the climbing unit (i.e. < 3 m from the top edge – access level).

The plant operator must install an appropriate warning notice on the building to inform the user beyond all doubt of the safe distance.

The H-50 fall arrest system must be identified with a type plate at the point of access which indicates the type of fall arrester to be used with the H-50 fall arrest system.

[A]



[B]

HAILO System H-50 ⚡ Das System H-50 darf ausschließlich mit dem Auffanggeseck SPL-50-PRO in Verbindung mit Auffanggurten nach EN 361 genutzt werden.

ACHTUNG! • Die Schutzwirkung des Auffanggeseckes ist ab 3 m Steighöhe über Zugangsebene gegeben! (Sicherheitsabstand = 3 m)
 • Zwischen 2 steigenden Personen ist ein Abstand von mindestens 6 m einzuhalten.
 • Max. 5 Personen dürfen das Steigschssystem gleichzeitig benutzen.

HAILO H-50 System ⚡ The H-50 system may only be used with the SPL-50-PRO fall arrester in cooperation with EN 361 certified safety belts.

ATTENTION! • The safety harness provides protection from a height of 3 m above the access level! (Safety distance = 3 m)
 • There should always be a gap of at least 6 m between any two people on the fall arrest system.
 • No more than 5 persons may use the fall arrest system at any one time.

HAILO Système H-50 ⚡ Le système H-50 doit être utilisé exclusivement avec l'articulateur SPL-50-PRO et avec des harnais de sécurité selon EN 361.

ATTENTION ! • L'effet protecteur de l'articulateur n'est réalisé qu'à partir de 3 m de hauteur au-dessus du niveau d'accès ! (distance de sécurité = 3 m)
 • Entre deux personnes utilisant l'accès une distance d'au minimum 6 m doit être respectée.
 • 5 personnes au maximum peuvent utiliser en même temps le système de protection d'accès en hauteur.

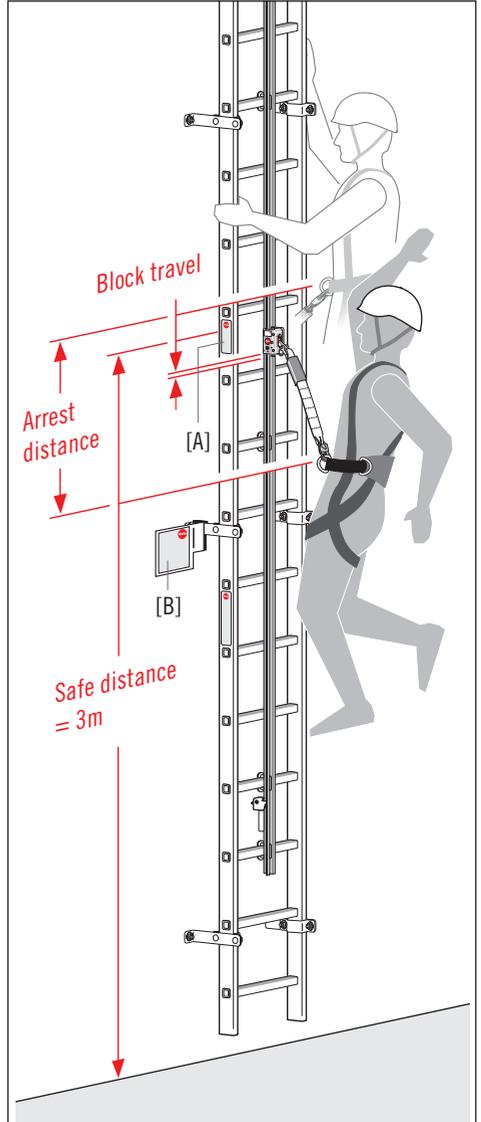
Informationsbeschreibung beachten!
 Zuerst lesen bei der Montage entgegen bzw. anlesen.
 Observe Information Manual!
 For assembly, enter or look up applicable.
 Lire attentivement le manuel d'information.
 Pour le montage, entrer au pointer selon le cas.

Montiert
 Assembled
 Monté

Nächste
 Prüfung
 Next
 inspection
 Prochaine
 inspection

06-2021 (DE-GB-FR) Hailo-Work • Daimlerstraße 2 • 30178 Halger, Germany

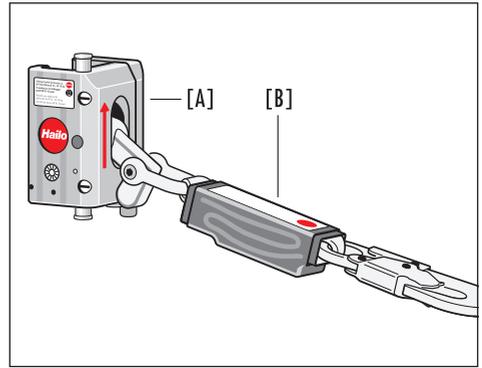
DIN EN 353-1:2018
CE 0158



6. Use of the SPL-50-PRO fall arrester

Overview SPL-50-PRO fall arrester

- The SPL-50-PRO fall arrester [A] is attached to the H-50 fall arrest rail before climbing/descending. The SPL-50-PRO fall arrester when attached to the rails is fitted with a BFD-50-136 shock absorber [B] and is connected to the user's safety harness.
- The fixed and integral BFD-50-136 shock absorber (DIN EN 353-1:2018) must be replaced on reaching its expiry date. The shock absorber may only be replaced by the manufacturer.
- The SPL-50-PRO fall arrester is designed such that it is not possible to thread the device incorrectly onto the fall arrest rail. The fall arrester cannot be opened or closed in the wrong pulling direction. It is also not possible to insert the fall arrester in the wrong direction of pull from above or below on the fall arrest rail.



The SPL-50-PRO fall arrester may only be used in the correct direction of pull (red arrow pointing upwards).



CAUTION!

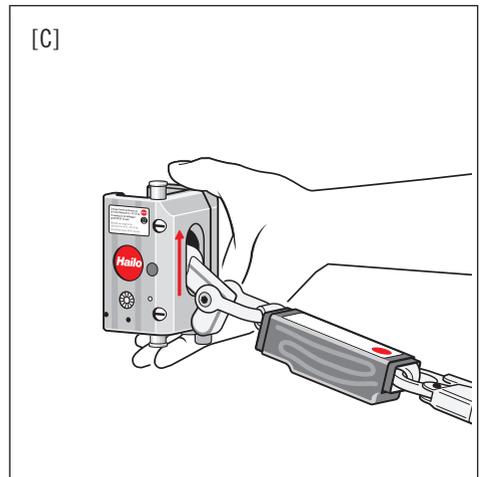
Danger of pinching!

In case of careless handling, fingers or skin can get squeezed between the housing parts [A].



CAUTION!

The housing of the fall arrester contains magnets which can influence the function of pacemakers!



6. Use of the SPL-50-PRO fall arrester

Attaching and removing the SPL-50-PRO fall arrester

1. Unlocking the fall arrester

Hold the fall arrester in your left hand as shown, press in both release buttons [A] and simultaneously turn the brake lever [B] upwards.

2. Opening the fall arrester

Pull the slide [C] outwards using your right hand.

3. Attaching the fall arrester

Attach the fall arrester to the profile of the fall arrest rail, first from the left and then from the right.

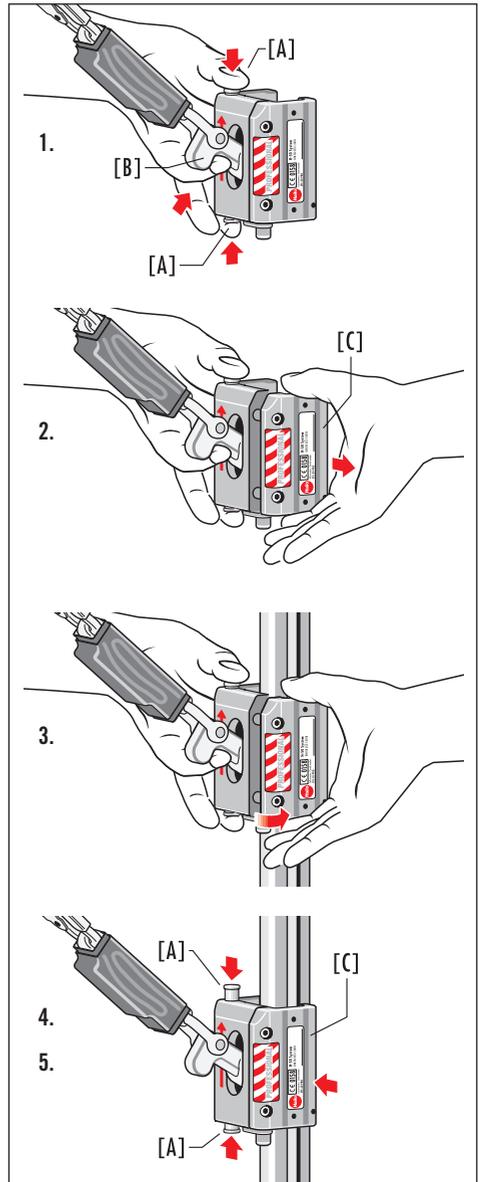
4. Locking the fall arrester

Release the slide [C] first, then release both buttons [A].

5. Check

The fall arrester must be correctly positioned, closed and locked on the fall arrest rail.

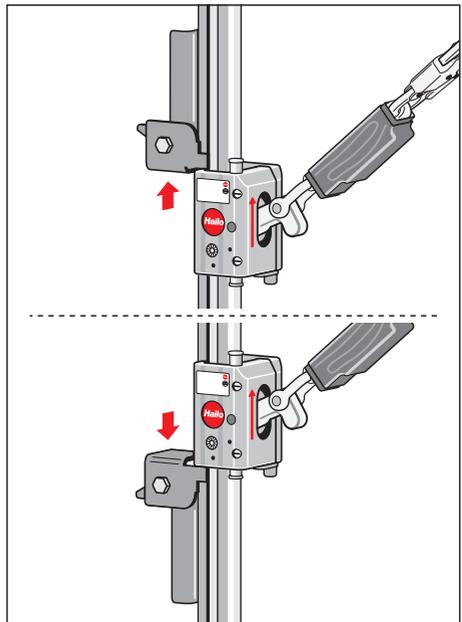
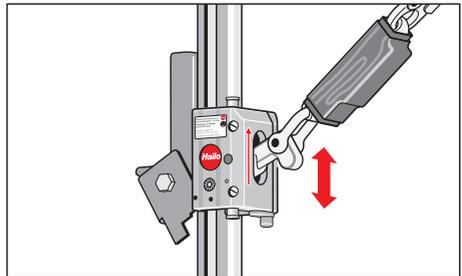
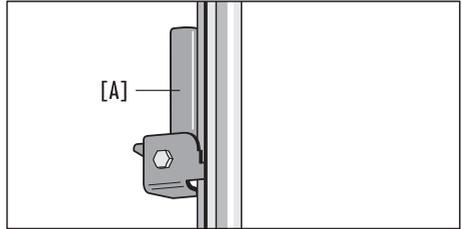
Follow the same procedure when removing the SPL-50-PRO fall arrester from the fall arrest rail, but the fall arrester is first removed from the profile of the rail from the right.



Note on entry and exit:

End-stop

There is an additional end-stop [A] at the entry and exit points at the bottom and top of the ladder. This end stop prevents the fall arrester from sliding out of the fall arrest rail unintentionally.



WARNING

Risk of falling!

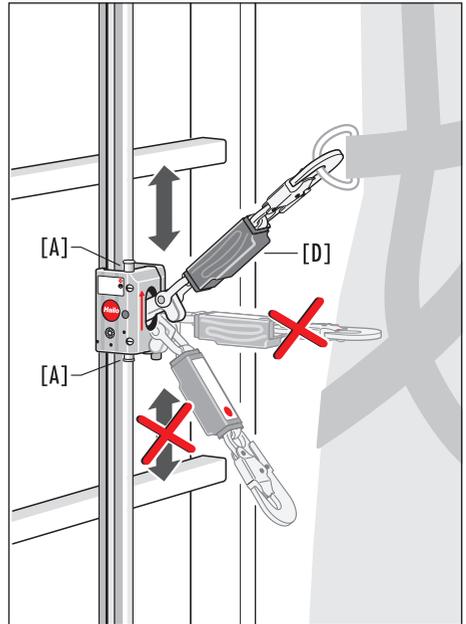
Before the end stop is brought into the transit position, the user must secure themselves with a lanyard to a safe anchorage point (in accordance with EN 795), unless they are in a safe location where there is no risk of falling.

At no time should there be any risk of falling!

6. Use of the SPL-50-PRO fall arrester

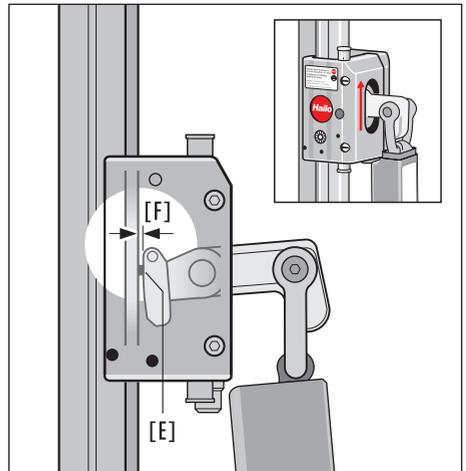
Check and function test

- Both release buttons [A] must be in closed position.
- The shock absorber [D] must move freely on the fall arrester.
- When the shock absorber is pulled upwards, the SPL-50-PRO fall arrester must be released from locking and run easily up and down the rail.
- When the shock absorber is released, the SPL-50-PRO fall arrester must lock on the rail within 30 mm without slipping.
- If there is any doubt as to whether it can be used safely, the fall arrester must be taken out of service immediately.



Checking the wearing points at the brake lever

- In the regular testing of the SPL-50-PRO fall arrester, the two wear points [E] on the surface of the brake must be tested as follows:
- Lock the SPL-50-PRO fall arrester on the fall arrest rail. Use the feeler gauge to check the thickness [F] of the wear points on the surface of the brake.
- If the measured value is ≤ 0.05 mm, the brake lever must be replaced. Only Hailo is allowed to replace the brake lever.



Additional anchor points



WARNING

Risk of falling!

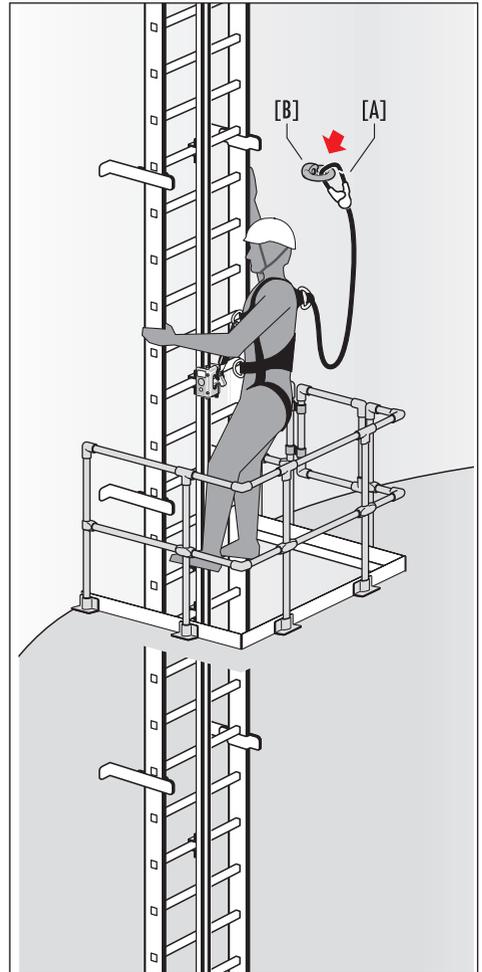
Both on entering and leaving the fall arrest system, the user must be secured to an approved fastening point appropriate to local conditions to prevent falling.

The karabiner [A] is either hooked onto an approved anchor point [B] - according to EN 795 - or another structure!

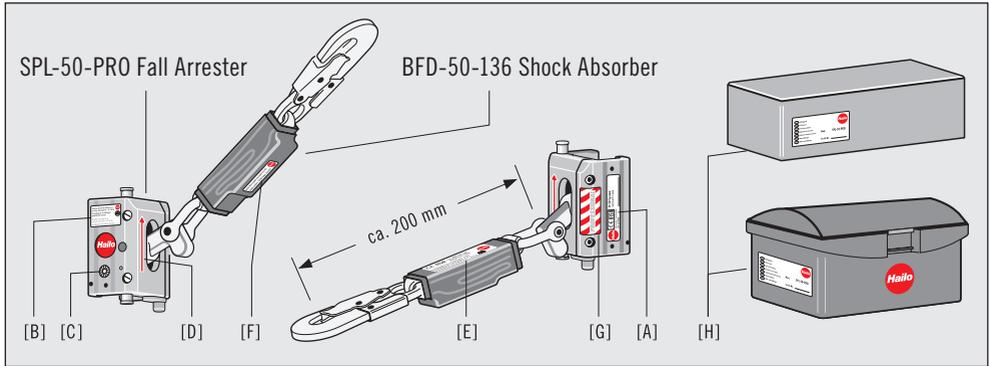
The system may only be entered or left from a safe standing position.

At no time should there be any risk of falling!

- Stop points and stop devices used in a climbing system are to be positioned such that free falling and the fall height are restricted to a minimum. The fastening point must be within the radius of action for the user while still secured.
- In general, the user should always select stop devices/stop points that are situated above them.



7. Markings



- [A] Type plate on SPL-50-PRO fall arrester
- [B] Security advice
- [C] Test badge
- [D] Arrow marking THIS WAY UP
- [E] Type plate on BFD-50-136 shock absorber
- [F] Shock absorber address sticker
- [G] Hailo Professional Logo
- [H] Packaging label

[A]  **CE 0158** **H-50 System**
 Fall arrester / Serial number **SPL-50-PRO**
 DIN EN 353-1:2018

[B] Zulässiges Gewicht des Benutzers an der festen Führung H-50 = 50-136 kg.
 Verwendung nur mit Auffanggurt gemäß EN 361 (Europa).
 Allowable user weight on the rigid anchor line H-50 = 50-136 kg.
 Use full-body-harness EN 361 (Europe).
    [D] 

[E] **CE 0158** Typ: **BFD-50-136**
 DIN EN 353-1:2018 
 Herstellungsjahr / Year of manufacture: XXXXX
 Herstellungsnummer / Factory number: 00001
 Verwendung / Use: max. X Jahre / X years siehe / see 

[F] **HAILO** Werk, Rudolf Loh GmbH & Co. KG 
 Daimlerstraße 2, 35708 Haiger, Germany

[G] 

[H] 
 **D** Auffanggurt
 **E** Fall-Arrester
 **F** Protectora antichute
 **L** Dispositivo de retención
 **RUS** Подъёмно-защитный тросовый
 **M** Werk Mülheim
 **N** Ölschmid & Hölzinger
 Mod. **SPL-50-PRO**
 Serial-No. _____

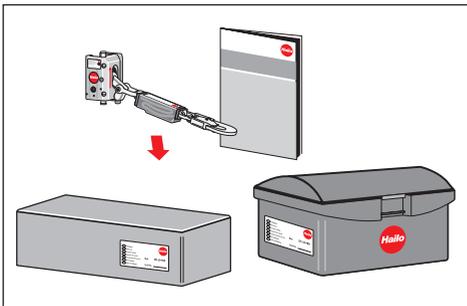
8. Care instruction

Cleaning:

- Remove soiling from the fall arrester using only water and an acid-free detergent.
- The fall arrester should be allowed to dry naturally. Drying underneath or against heat sources is not permitted.

Storage:

- The SPL-50-PRO fall arrester must be stored in a dry location to which the user has access. Temperatures $<-40^{\circ}\text{C}$ or $>+50^{\circ}\text{C}$ or contact with oils, acids or other corrosive liquids is not permitted.
- The SPL-50-PRO fall arrester can be stored and transported in the supplied packaging or a suitable container.



9. Inspection instruction

- DIN EN 353-1:2018-compliant fall arresters must be inspected and documented for good working order and functionality at least once a year by trained/authorised personnel.
- The testing of all components, each individual subsystem and system must be documented.
- In addition, regular checks must be made depending on the respectively applicable environmental conditions. This can mean that the intervals between testing are correspondingly shortened.
- The plant operator is responsible for ensuring that testing and maintenance intervals are observed.



Testing must adhere to the respective national operating and testing regulations.



NOTE

Caution, damage!

Inexpert storage or transport may result in damage to the SPL-50-PRO fall arrester and thus to failure in the event of a fall.



WARNING

Risk of falling

Regular checks of the equipment are a mandatory requirement. The safety of the user is dependent on the effectiveness and the durability of the equipment.

10. Inspection plan

Test schedule for regular testing of the SPL-50-PRO fall arrester

Annual tests are to be documented in the tables below by trained/authorised personnel.

Result:

In the event of a claim, this documentation must be available in full as evidence. The manufacturer must be granted access to this at all times.

1. Hailo SPL-50-PRO fall arrester	<i>General condition, check for damage, corrosion and contamination</i>
2. Fall arrester housing	<i>Technical condition</i>
3. Slider right	<i>Technical condition and function</i>
4. Rail rollers	<i>Ease of movement and technical condition</i>
5. Anti-twist lock pin	<i>Technical condition</i>
6. Brake lever	<i>Movement, functional surfaces and technical condition</i>
7. Brake lever (wear points)	<i>Check thickness, min. > 0.05 mm, see page 12</i>
8. Brake lever - recuperating spring	<i>Impact and condition</i>
9. Screw connections	<i>Technical condition and preload force</i>
10. Cylinder pin (brake lever)	<i>Seat, condition and any safety coating</i>
11. Magnets	<i>Technical condition, corrosion, dirt</i>
12. Shackle	<i>Lock pin (safety sticker)</i>
13. Cross axes	<i>Function and movement</i>
14. Release	<i>Function and movement</i>
15. Anti-twist	<i>Function and movement</i>
16. BFD-50-136 shock absorber	<i>Condition, stitching and supporting belt (blue belt)</i>
17. BFD-50-136 shock absorber	<i>Condition of packaging in heat-shrunk sleeve</i>
18. Karabiner dip	<i>Condition, function and safety catch</i>
19. Original markings	<i>Are the serial number, type details, etc., easily legible?</i>
20. SPL-50-PRO fall arrester function test	<i>Use on H-50 fall arrest system</i>
21. Period of use of BFD-50-136	<i>Has the period of use expired?</i>
22. Test badge for SPL-50-PRO fall arrester	<i>Has a test badge been awarded</i>

– Copy this double page when additional information needs to be entered –

11. Documentation

Inspection of the SPL-50-PRO Fall Arrester

<i>Product description</i> SPL-50-PRO fall arrester	<i>Manufacturer / Supplier</i> HAILO-Werk Daimlerstraße 2, D-35708 Haiger	<i>Date of purchase</i>
<i>Identification mark</i> Serial number	 +49 (0) 2773 82-0  +49 (0) 2773 82-1561	<i>Date of the first use</i>
<i>Date of manufacture / Expiry date</i>	info@hailo-professional.de www.hailo-professional.de	<i>Further information</i>

Documentation of the regular inspections / repairs to the SPL-50-PRO fall arrester

<i>Date</i>	<i>Reason of work: a) Regular check, b) Repair</i> <i>Test outcome of the periodic inspection</i>	

Documentation covering regular replacement of BFD-50-136 shock absorber

<i>Date</i>	<i>New production number - BFD-50-136 shock absorber</i>	<i>Expiry date</i>	

Inspection of the BFD-50-136 Shock Absorber

<i>Product description</i> BFD-50-136 shock absorber	<i>Manufacturer / Supplier</i> HAILO-Werk Daimlerstraße 2, D-35708 Haiger  +49 (0) 2773 82-0  +49 (0) 2773 82-1561 info@hailo-professional.de www.hailo-professional.de	<i>Date of purchase</i>
<i>Identification mark</i> Serial number		<i>Date of the first use</i>
<i>Date of manufacture / Expiry date</i>		<i>Further information</i>

<i>Repairs carried out</i>	<i>Name and signature of expert</i>	<i>Date of next regular check</i>

<i>Bearbeiter(in) - Name und Unterschrift</i>

The information concerning the BFD-50-136 shock absorber is to be entered by the manufacturer and its replacement is to be documented in the table.

The BFD-50-136 shock absorber may only be replaced by the manufacturer:

- a) Replace shock absorber and shackle
- b) Fit shackle bolts with safety stickers

