

FALLPROTEC

Height Safety Products

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FALLPROTEC
FOR AERONAUTICS



Frankfurt, Germany



RISKS IN AIRPORTS

EN795:2012 Type C
CEN/TS 16415:2013

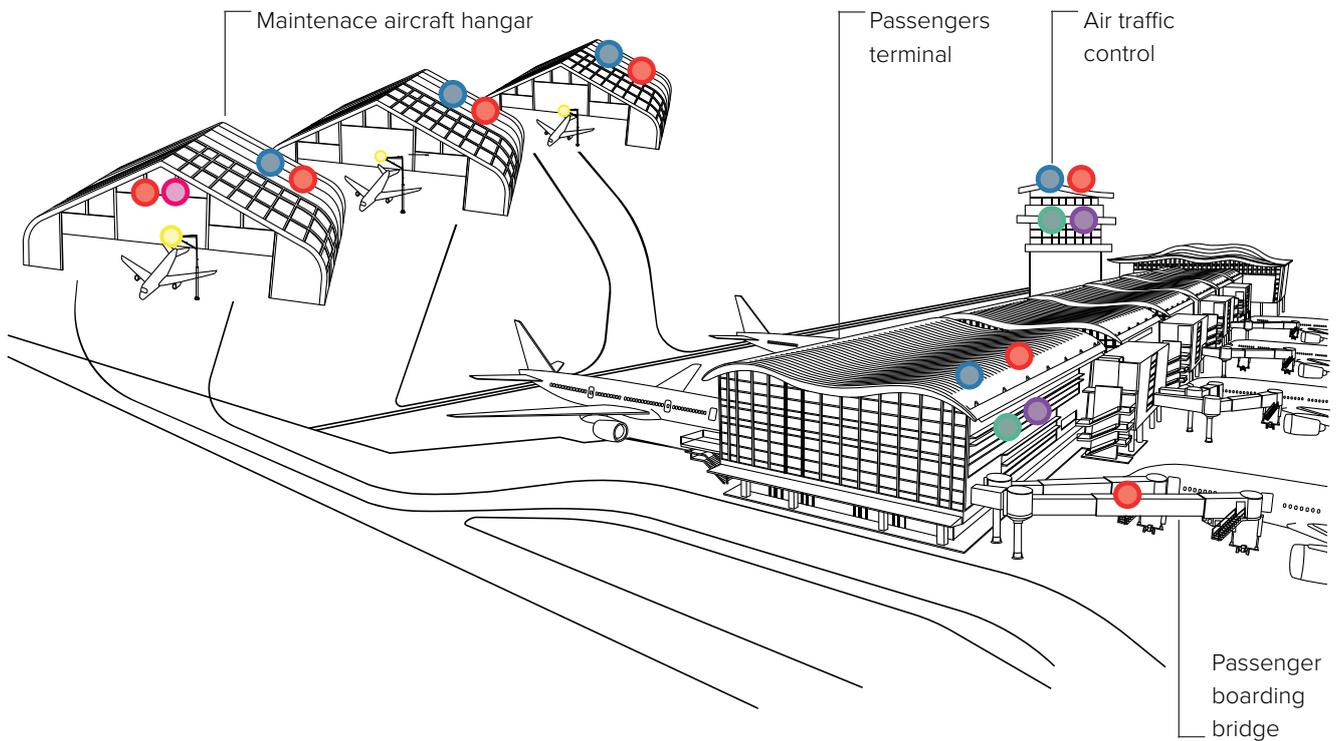


Airports are busy hubs with a lot of passage and a lot of technical equipment that require attentive care. They are also iconic buildings that display the cultural and economic power of a country. As a company specialized in high end architectural projects as well as industrial applications, Fallprotec offers personalized support from design stage to realization.

Our range of solutions enable a safe access in heights for the passenger terminals, the control tower, and the aircraft maintenance facilities. Special attention is given to the regulatory frame, safety, ergonomics, and aesthetics.

If there is no collective protection to eliminate the risk of falling, workers must be provided with and trained in the use of appropriate fall protection equipment, such as lifelines and EPIs. Likewise, an appropriate and timely rescue should be provided to prevent suspension trauma.

- **SecuRope Horizontal (p. 5)**
- **SecuRail Pro Horizontal (p. 9)**
- **SafeAccess for suspended works (p. 13)**
- **SafeAccess fall arrest (p. 13)**
- **Self retractable lanyard (p. 17)**
- **RopeClimber hoist (p. 17)**



CHOOSING FALLPROTEC MEANS

- One reference for global assistance
- Certified by independent notifying bodies as per latest European
- Quality control: ISO9001:2015. E.C. Quality of Production « Article 11B »
- Product liability insurance
- Warranty
- One-Stop-Shop



Maintenance of the terminal roofs

Due to the nature of the activity, airport roofs are always sizeable. Their slopes, shapes and construction materials are very specific.

Fallprotec supplies a comprehensive range of horizontal and inclined fall arrest lifelines, walkways and ladders for a safe and periodic maintenance. Depending of the application a Securail Pro rigid rail or a Securope 2012 cable lifeline is recommended.



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Airport buildings comprehend a vast variety of roofs, from the terminal roof to the bridges connecting the the building to the airplanes. Fallprotec's fixing assemblies are suitable for all of them

SecuRope lifeline on standing seam roof

The standing seam roof is the most common type of roof in airports. The Fallprotec bracket is simply clamped to the seam, thus avoiding any roof penetration. The Securope cable lifeline enables the worker to walk safely on large roofs without needing to disconnect at any point.

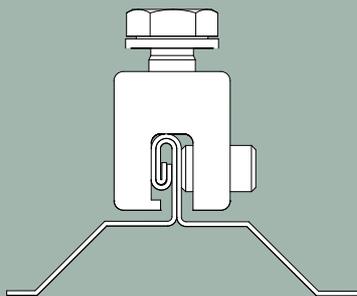
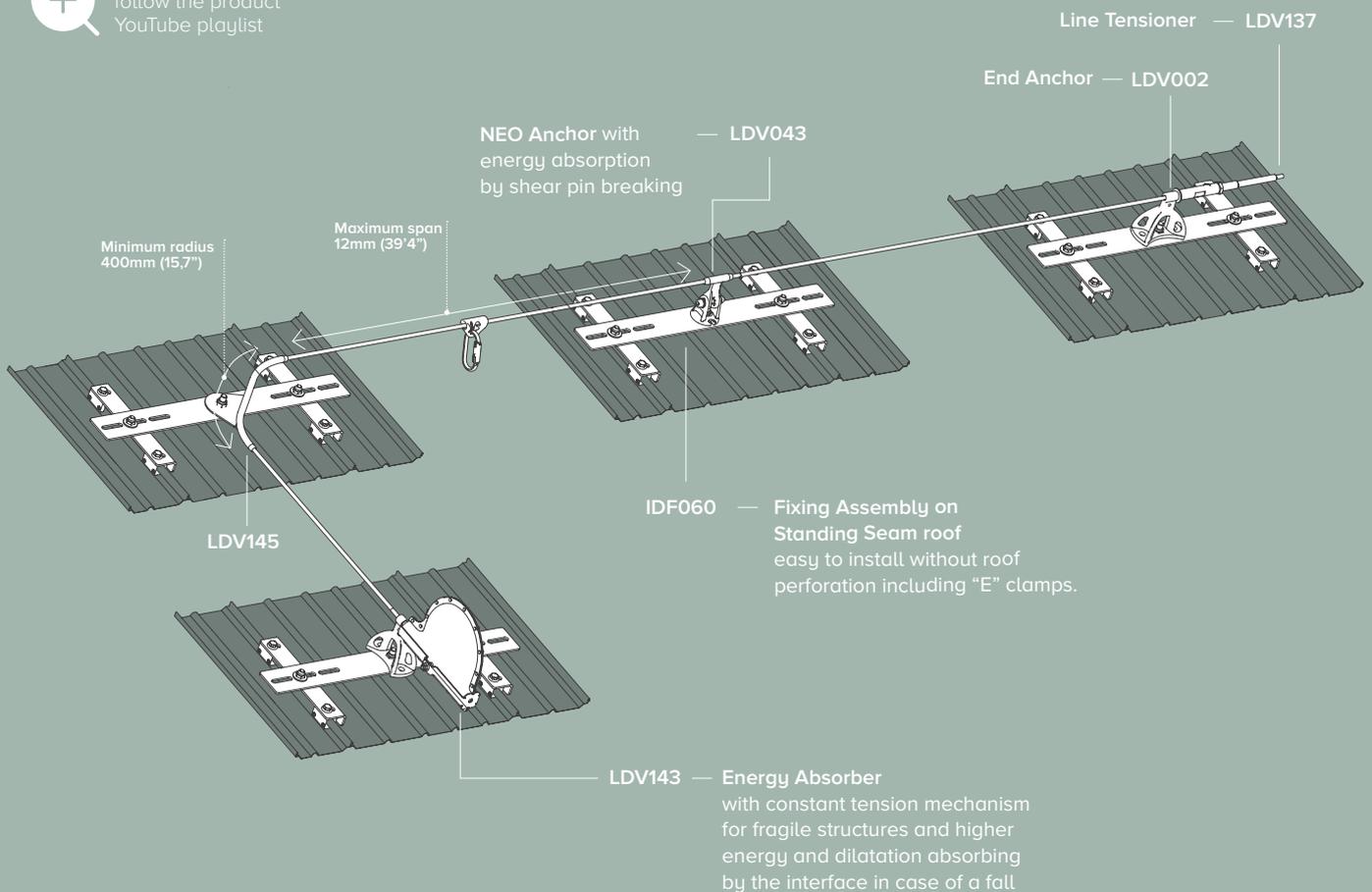
EN795:2012 Type C CEN/TS16415:2013



x 4
(2 users max. per span)



Click here to follow the product YouTube playlist



The IDF060 bracket ensures a proper fixing on the standing seam and load distribution.

Fallprotec provides different clamp types to match the corresponding standing seam roof:

- IDF042 S5-E clamp for standing seam roof with **double folds**
- IDF045 S5-Z clamp for standing seam **shaped bulb**
- IDF043 S5-S clamp for standing seam with **double folds**
- IDF041 Copper S5-B clamp for standing seam with **double folds**

*For longer spans contact the Fallprotec's engineering department

SecuRail Pro

SecuRail Pro lifeline on ground or wall , configuration with a GRANVIA trolley RHF511. The wall configuration is often used in airports due to low fall clearance. Made of high resistance aluminium, the rail can be easily used in environments that request intensive use such as for instance aircraft maintenance.

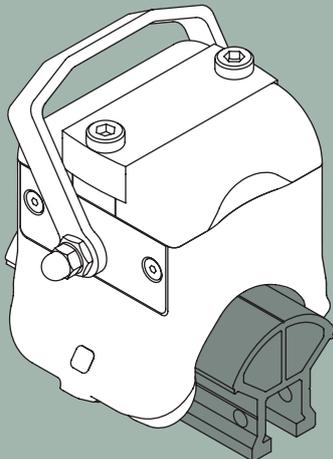
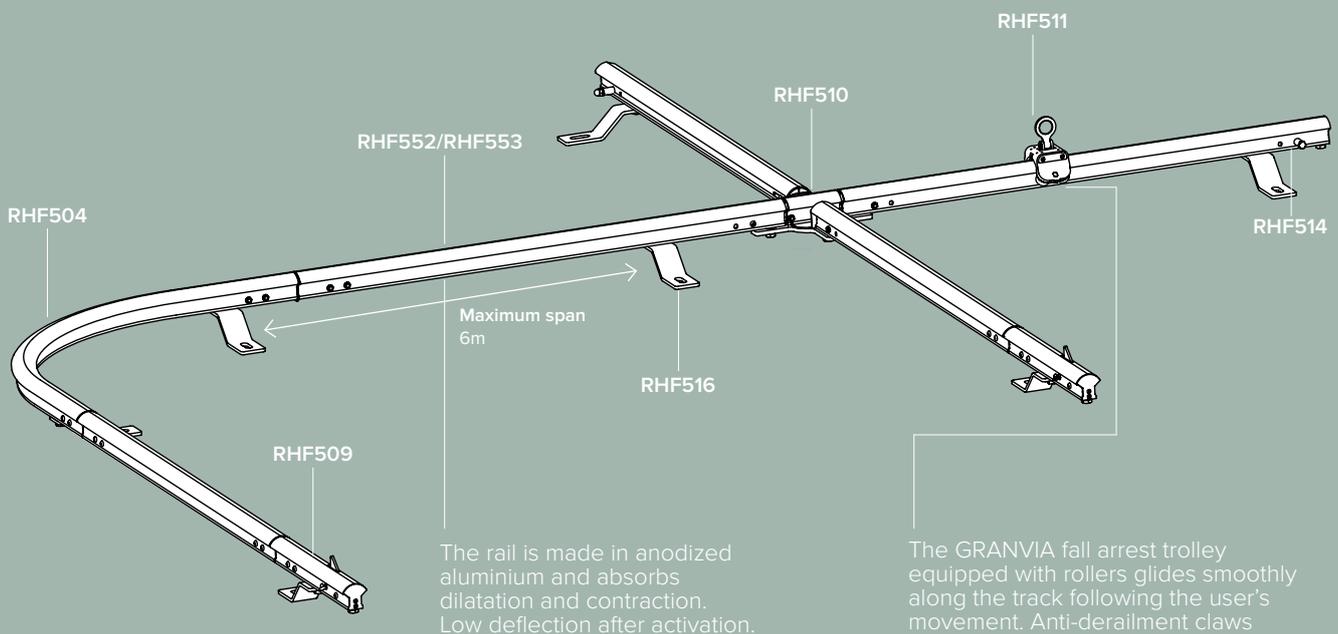
EN795:2012 Type D | CEN/TS16415:2013



x 2



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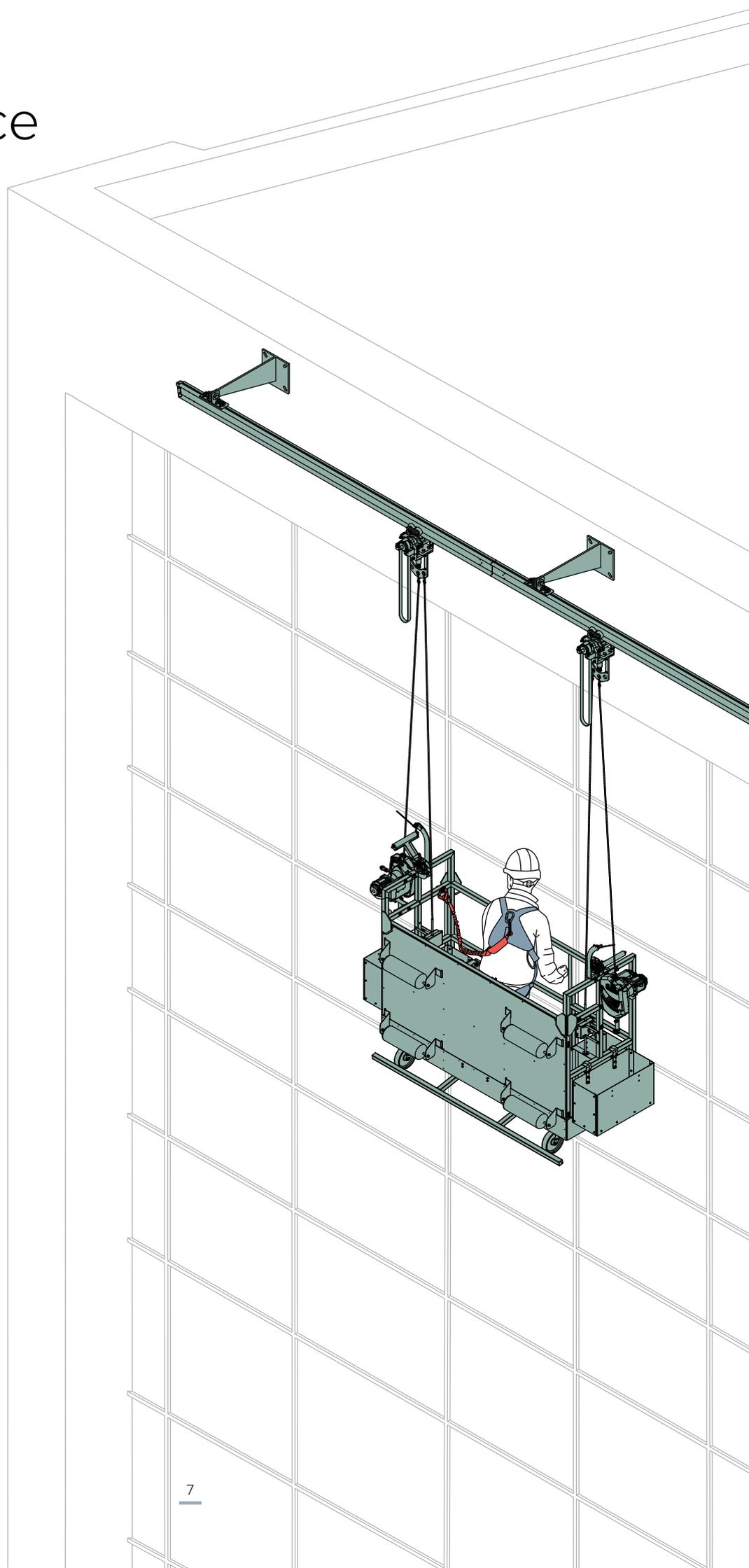
Overspeed Trolley

The new multidirectional trolley works either for inclined and horizontal lifelines. This allows the assembly of horizontal lifelines with sloped sections, all in one, avoiding the user's disconnection. Equipped with shock absorber, the installation is easy, directly on the rail.

Maintenance of facades

Airports often feature wide glass windows allowing for a lot of sunlight as well as for a direct vision of the incoming plane. The maintenance of these bays requests reliable solutions for safe and rapid cleaning as well as window replacement. The SafeAccess monorail combined RopeClimber platforms is a innovative solution that blends in the ceiling or canopy. The suspended platform with textile wire being much lighter, the system can be deployed rapidly, thus shortening the cleaning time. A battery Autonomous system, it doesn't require any electrified bus bar or cumbersome electric power supply cables.

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Outer and inner facade maintenance requires reliable solutions with limited obstruction of the ground.



SafeAccess rail for suspension works

A monorail system is a Building Maintenance Unit made of:

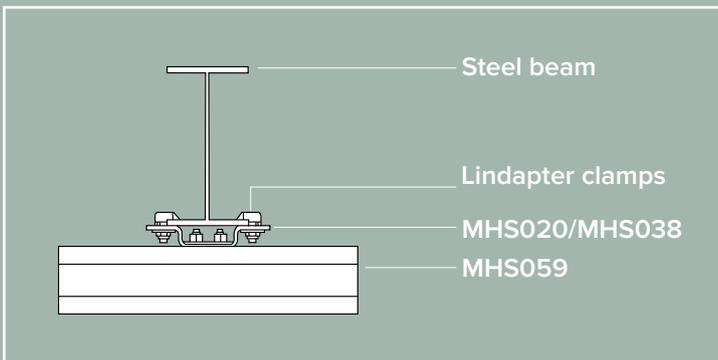
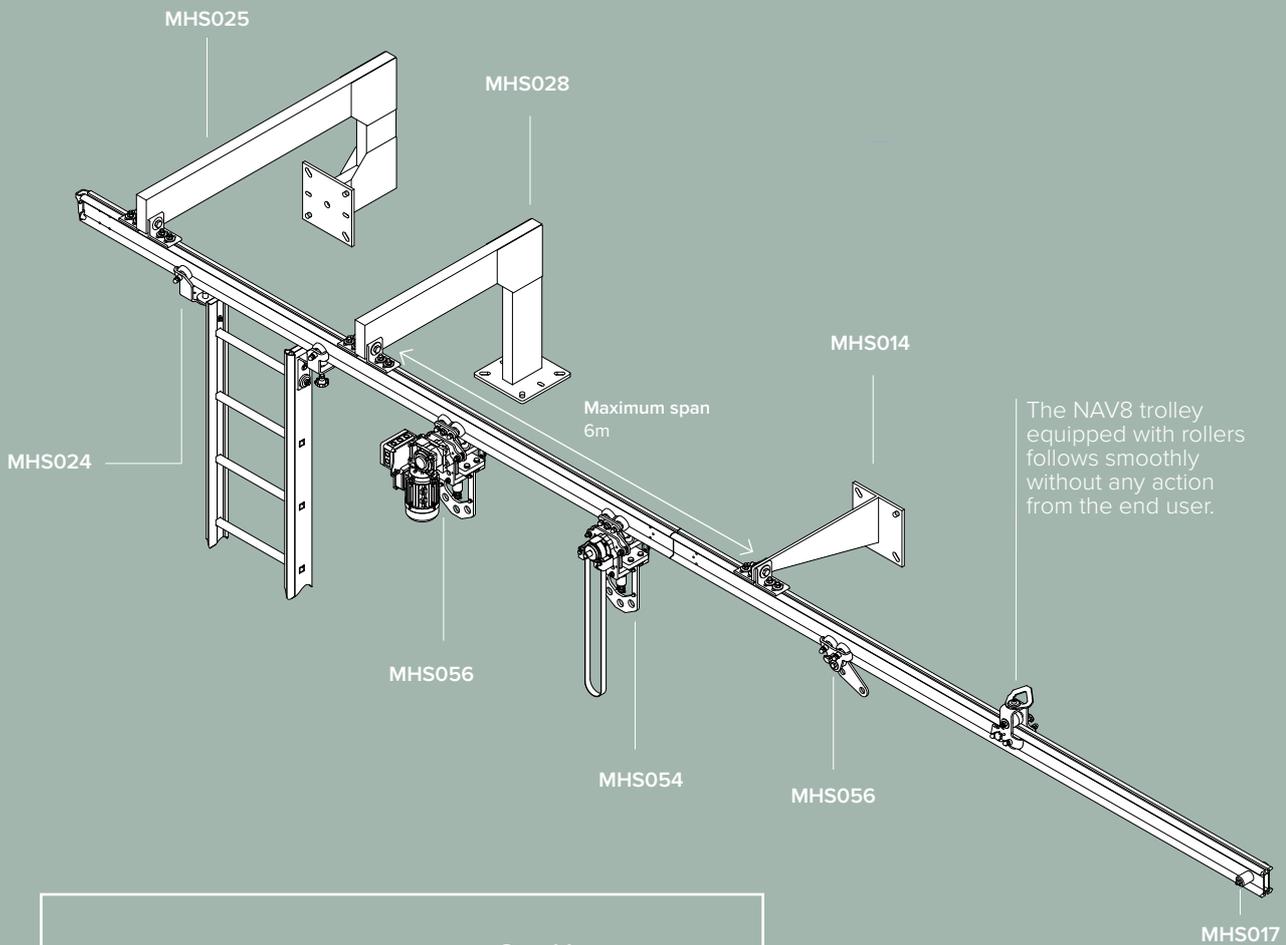
- a bracket connecting the rail to the building
- an aluminium rail
- high strength suspension trolleys
- suspended platform

By mastering all the aspects of the project, the engineering department ensures that the suspended platform reaches the entire facade safely.

EN1808:2015

 X 2 for rope access between supports	 ALU 6060T6		
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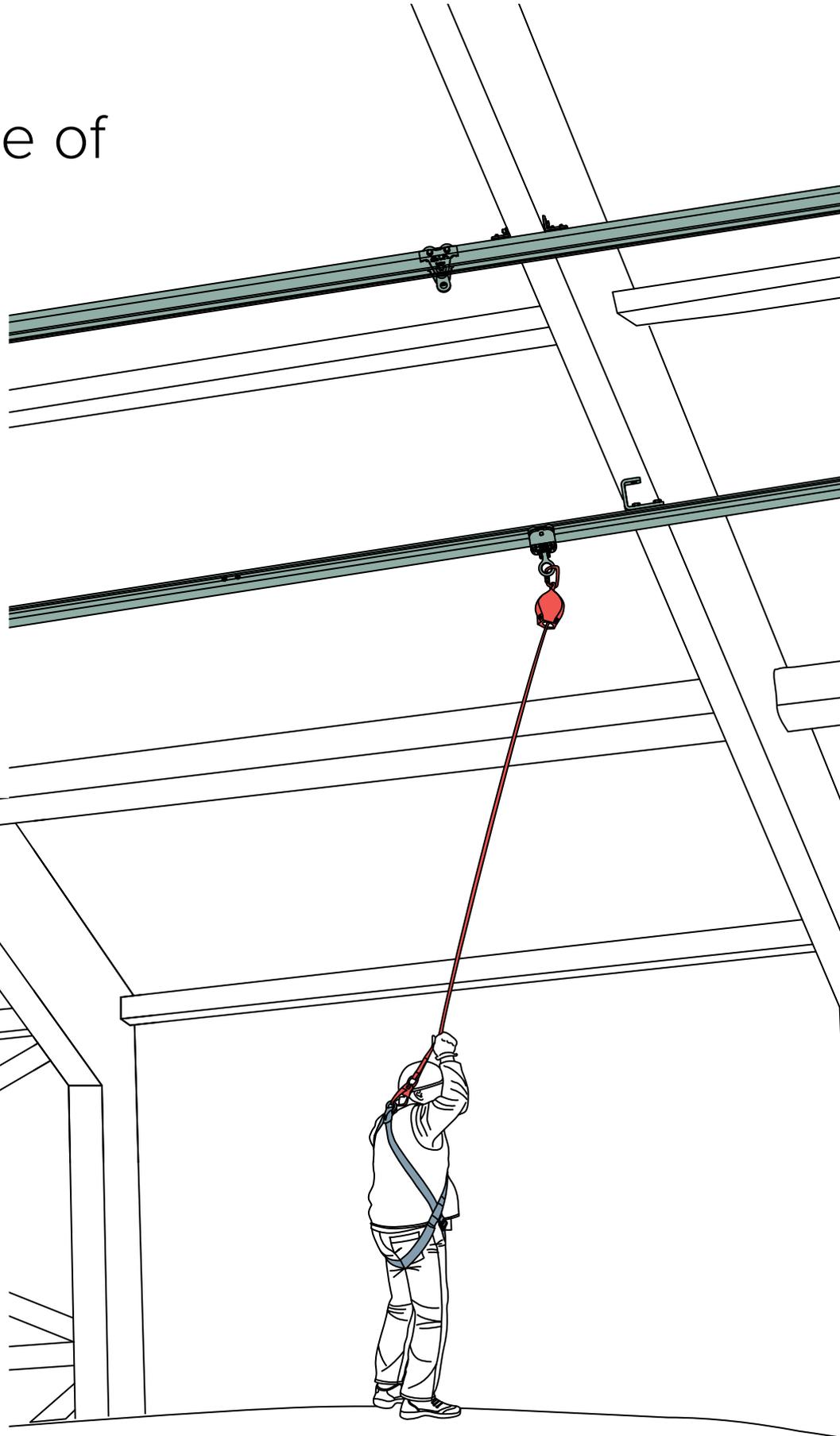
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Maintenance of Planes

Airplanes have a height going up to 24m. In order to repair the upper side safely, workers have to use personal fall arrest equipments as it is difficult to place guardrails to secure maintenance. The SafeAccess and the SecuRail Pro rail are often used for intensive maintenance halls and when the ceiling is very high. The fall arrest trolley rolls very smoothly and follows the user at each step.

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Airplane maintenance includes a low fall clearance due to several staff and machines working simultaneously. Fallprotec recommends installations with fall factor 0.



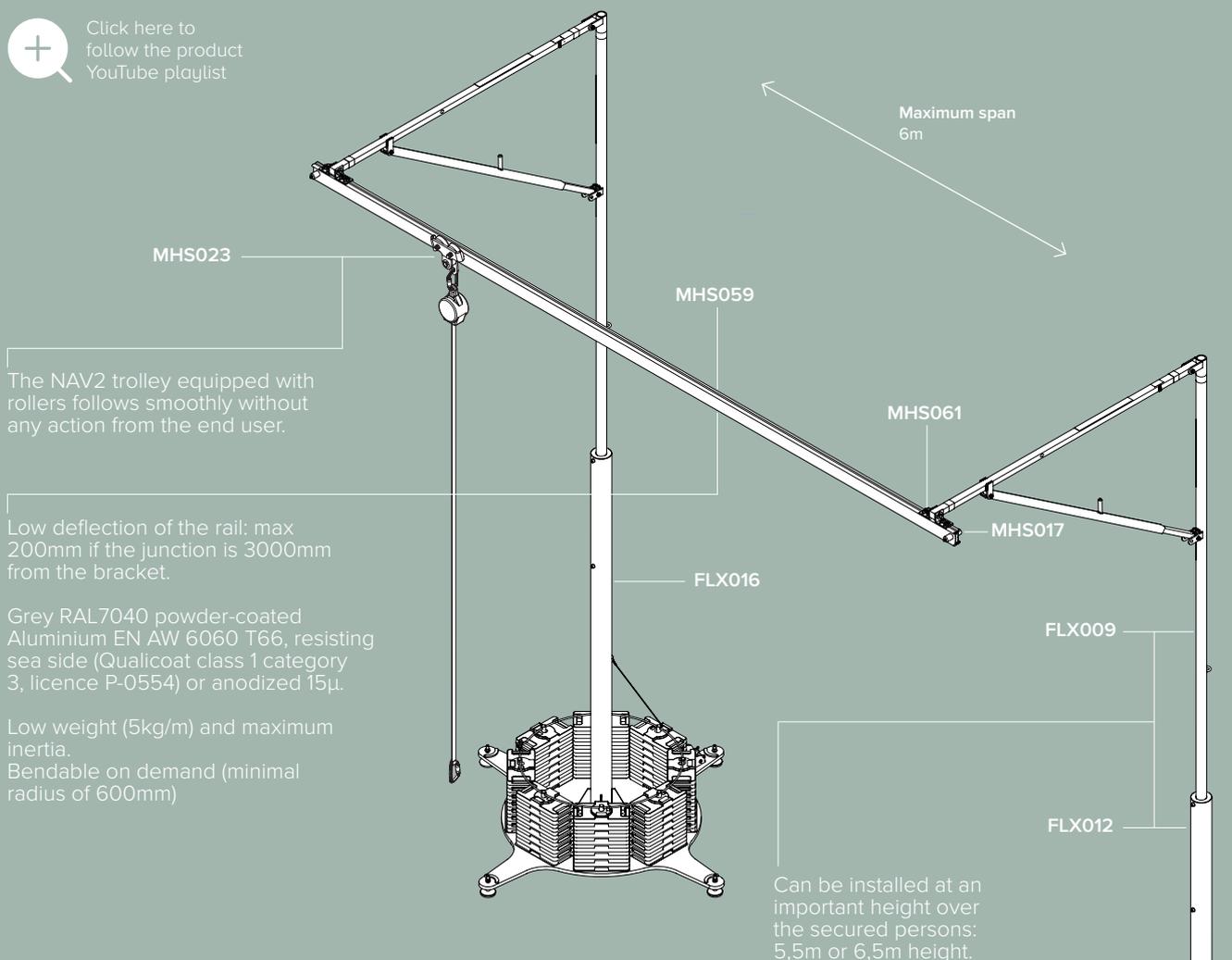
SafeAccess rail for fallarrest

The SafeAccess can be used for fall arrest in many combinations: ground, wall, ceiling or jibs above a loading bay. The robust design suits intensive applications, the rail remains usable years after being installed. In case of a fall, it is one of the very few systems where there will be no need to replace any part. Combined with a safety block enables the safest possible fall arrest.

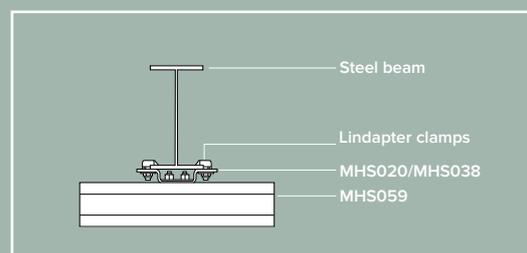
EN795:2012 Type D
CEN/TS16415:2013 | EN1808:2015

 x 4 (2 users with Flexbow)			
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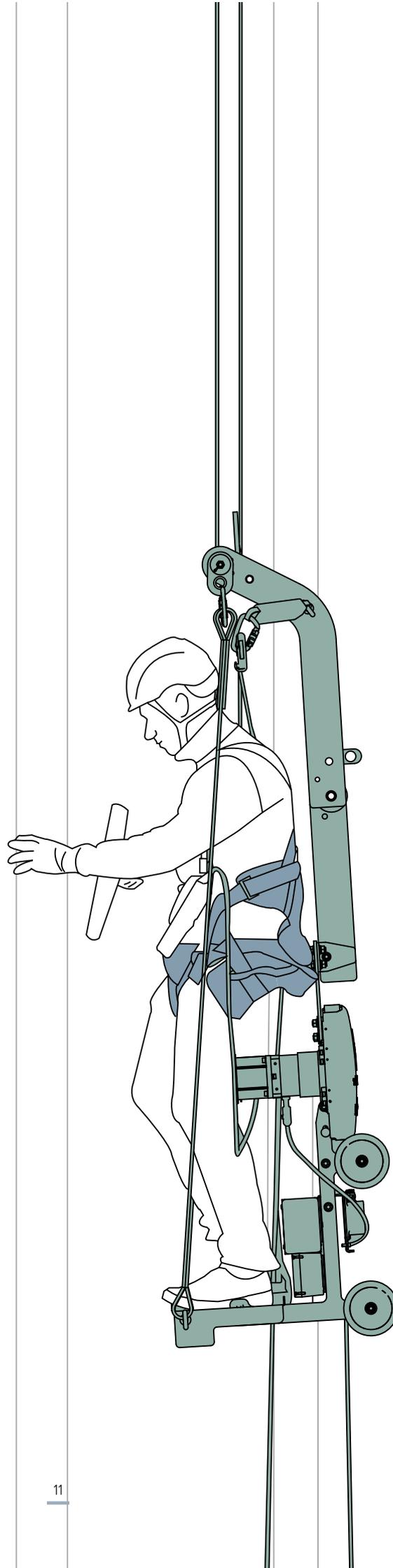


The Flexbow is a standardized outrigger beam to secure loading bays and machinery, often used in combination with SafeAccess. Equipped with an integrated energy absorber, it is a lightweight and yet robust design for industrial applications with a minimum fall clearance of 4m. Several configurations (mobile, fixed on ground, fixed on wall...) are available.



Inner and outer building maintenance

In big airports there is 3m distance between false ceiling & real roof. Sprinklers, ventilation and various conducts are installed in this area. In order to reach these zones, as well as complex areas, the RopeClimber is an easy solution. It is usable by any person following a half-day course and can reach narrow spaces without outside help.



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The maintenance requirements and conditions can vary a lot within one airport building, from large surfaces to very specific, not that easily reachable areas such as duty free facades. Fallprotec offers a range of solution to match each request.

RopeClimber

The RopeClimber is designed for lifting one person to safely access elements from the underside of a ceiling or structure and for facade maintenance.

Compliant with Directive 2006/42/EC
EN1808:2015 / EN60204-1



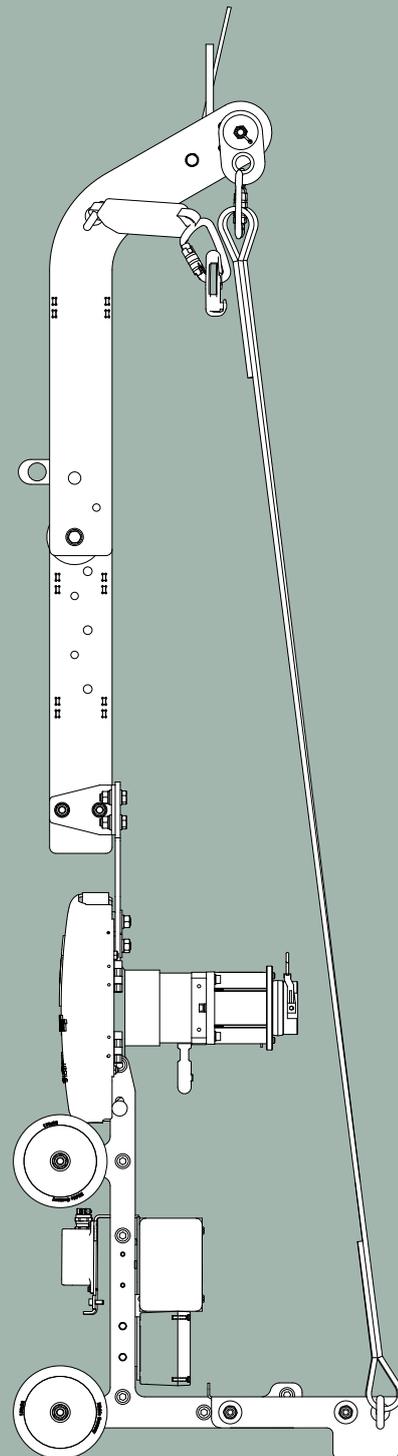
x 1

ALU
6060

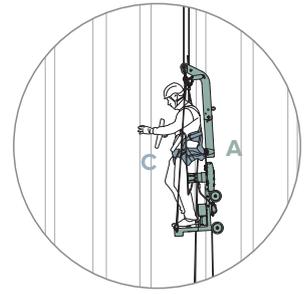
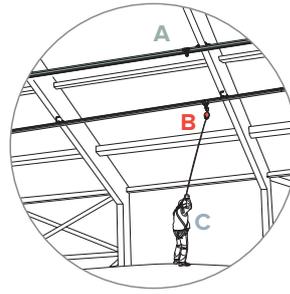
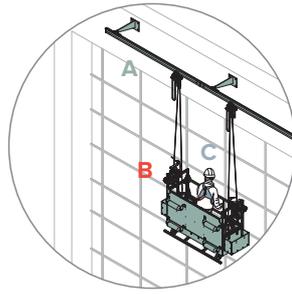
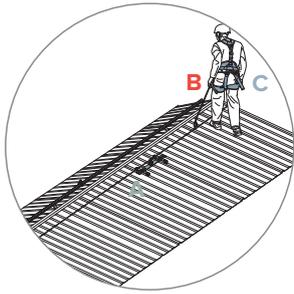


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YouTube playlist

- Light and compact system
- Quick to pick up and install
- Integrated safety devices
- Battery powered
- Compatible with davits and rails
- Several configurations : Backpack, Stand sect...
- Safety features: fall arrest device on the secondary rope, overload and top limit switch
- Push buttons control box from the distance (radio control) with emergency stop
- Ergonomic and Easy use, training as professional climber is not required
- LED that informs about the state of charge of the battery as well as safety features



Fall protection & access equipment



A

Anchorage

Structure capable of supporting 6kN per user attached as part of a complete personal fall arrest system which maintains a safety factor of at least two.

Fallprotec lifeline systems:

- 1) SecuRail Pro Rail Lifeline:
- 2) SecuRope Cable Lifeline
- 3) SafeAccess Rail for works in suspension
- 4) SafeAccess C Rail for works in suspension

All systems are suitable for intensive use in complex environments. Its components are reliable and durable.

Fixing brackets:

Fallprotec's internal engineering department offers bespoke fixation assemblies, adapted to various beam sizes and distances between them and walkways.

Access systems:

RopeClimber as cradle, Backpack or Standing Chair. Reaches all sides of complex structures. A good alternative to rope access specialists.

B

Connecting Devices

PPE Equipment connecting the operator to the system, restraining them in case of a fall.

The PPE are designed to limit the energy transmitted to the user to a maximum of 6kN.

Fallprotec PPE:

— Complete range of self retractable lanyard with aluminium casing and galva steel rope.
IHWS



EN354/355/362

x 1

3,70

With aluminium casing and galva steel rope.

Single & Double lanyard 2 m

HAR076 | HAR016



EN354/355/362

x 1

0,60 | 0,80

2m

Fitted with energy absorber

C

Body Support

A safety harness is a personal protective equipment (PPE) that is designed to catch a person in the event of a fall while working at height. Our full body harness distributes fall arrest forces across the shoulders, thighs and pelvis.

Fallprotec PPE:

Harness Prolight

HAR001 / 002 / 003



EN361:2012

x 1

0,930

Resistant, lightweight fabric. Comfortable for the user.

Ergonomic helmet for works at height

HAR087



EN12492

x 1

Fallprotec's products installations in airports

Click here to view more case studies worldwide on our website



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E.C. Quality of Production « Article 11B »
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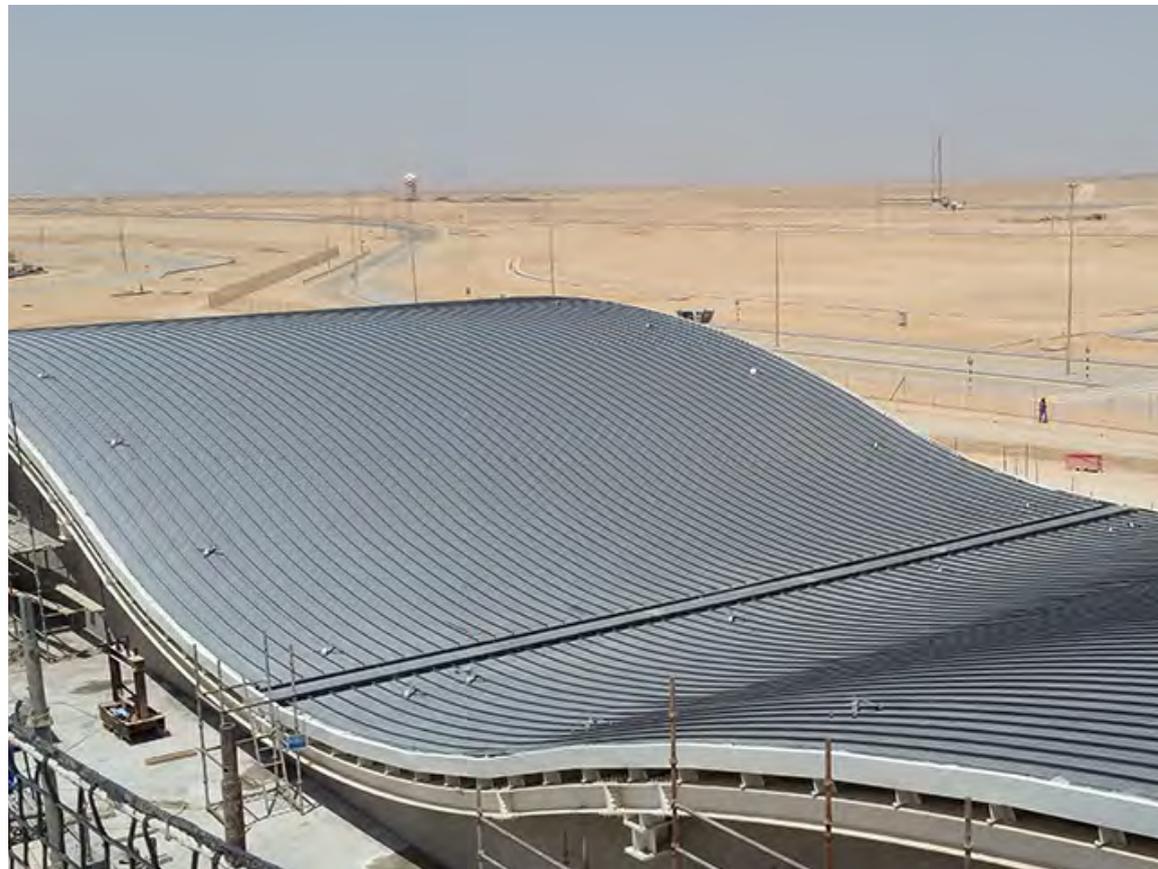
📍 Geneva airport
Geneva, Switzerland



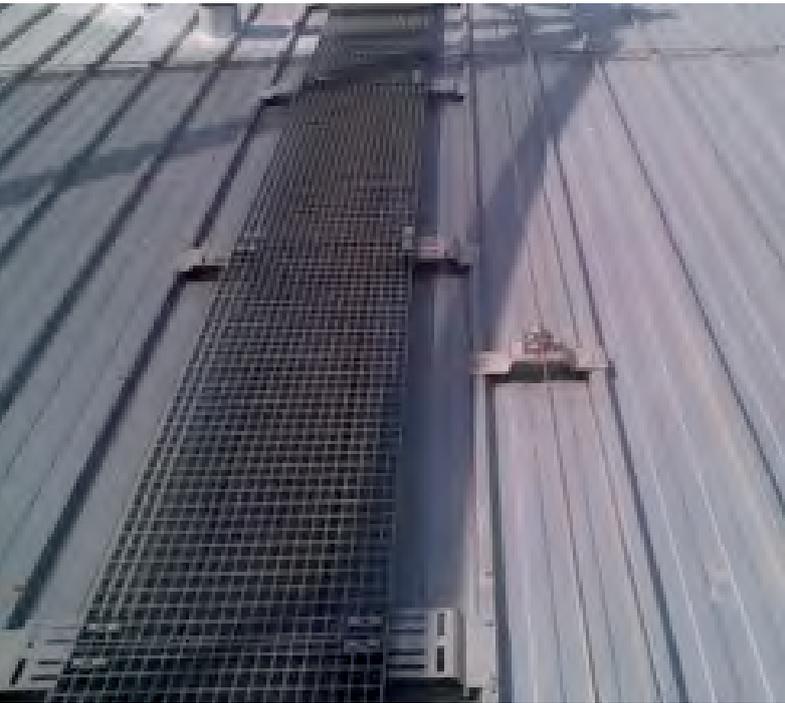
📍 Changi airport
Singapore, Singapore



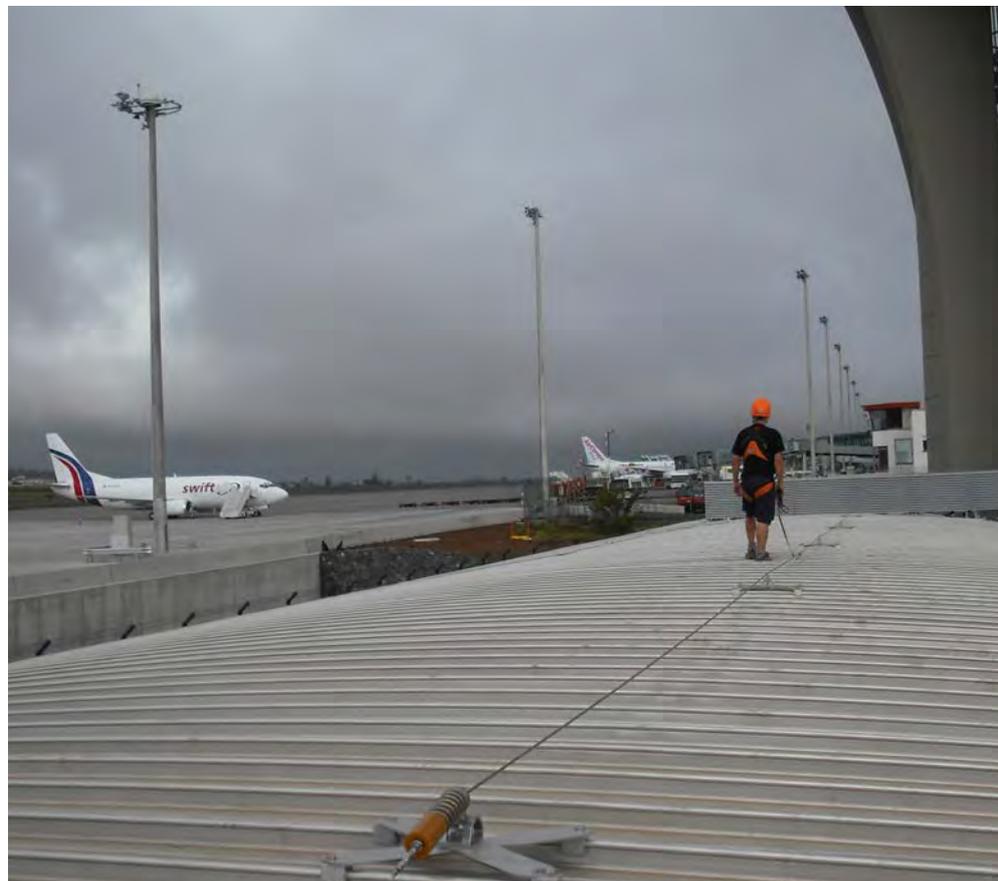
📍 Muscat Airport
Muscat, Oman



📍 Doha airport,
Doha, Qatar



📍 Tenerife Airport
Tenerife, Spain



📍 Los Angeles airport
Los Angeles, USA



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