



## Fall protection system: vertical ladder rail lifeline.

### Use

Fall protection system for any user attached to this system. Particularly adapted to all vertical access for inspections, repairs, maintenance.

Railstop can be mounted on all kind of structures (steel, concrete), chimneys, antennas allowing one person to go up and down on those structures in perfect safety.

This rigid system gives a reel feeling of safety

### General description

The ladder rail is an integrated ladder and safety line permanently attached to the structure, centrally. The trolley runs in the rail during ascending and descending and block only in case of fall.

#### Use

One trolley may operate on each individual.

3m and 2,2m length of rail at any one time, 1 fixation per meter.

#### Shock absorbance

Railstop is designed to ensure a maximum force exerted on the body in the event of a fall does not exceed 5kN, even better than European standards requirements.

#### Legislation and standards

Railstop system conforms to EN 353-1 and is marked CE. It must be installed according manufacturer instructions.

#### Installation

For normal system operation, ladders should be positioned at max 15° from the vertical.

- The system may be attached to the structure with L fixations.
- Special shape for curved or inclined areas.

#### Load requirements

Ensure the climbing structure to which Railstop is to be installed is capable of supporting the loads imposed by the system. See Operation and maintenance manual.

#### Parts available

Foldable platform: to place regularly according vertical access regulations

Mid entries for intermediate access.

Curved rail to fit all configurations.



#### Additional components

The Railstop system is recommended for use with Harness KB1300S (N300/S) with front body attachment or KB1EXO/x for unrivalled comfort and security.

#### Servicing/maintenance

No specific maintenance outside standard mandatory inspections.

Visually check rail and trolley for corrosion before and during each initial ascent.

Full check and servicing by manufacturer of the system (including trolley) required:

- Annually.
- After any fall.



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### Technical specifications

All components are made of galvanised steel

#### Load requirements

Ensure the climbing structure to which Railstop is to be installed is capable of supporting the loads imposed by the system. The required bracket load may be assumed to be distributed evenly between the number of fixations to which it is attached.

#### Trolley (Ref KC5045):

Supplied complete with self-locking hook for connection directly to the users harness.  
Net weight: 0,830kg

Material: Stainless steel, karabiner in zinc plated steel.

#### Ladder Rail (Ref KC5300):

- Standard length: 3m. 2,2m
- Supplied with connecting link C
- profileWeight: 11,6 kg .

#### Ladder Rail mounting parts:

Support 160mm (Ref KC5320)  
Others lengths available.

Net weight: 1,5kg

#### End stop plate to open:

Prevent accidental disconnection at top or bottom of ladder. Exist in :

- Fixed version. (Ref KC5351).
- Sprung version to allow manual disconnection (Ref KC5352).

Net weight: 0,5 kg

#### **Options**

- Foldable platform (ref KC5308)  
Net weight: 5 kg
- Mid entry/exit (ref KC5307)  
Net weight: 3,3kg
- Curved rails (ref KC5304, KC5305).



- Top reinforcement support post (Ref KC5306)

Allow a secured roof exit, up to 1,5m above the last fixation