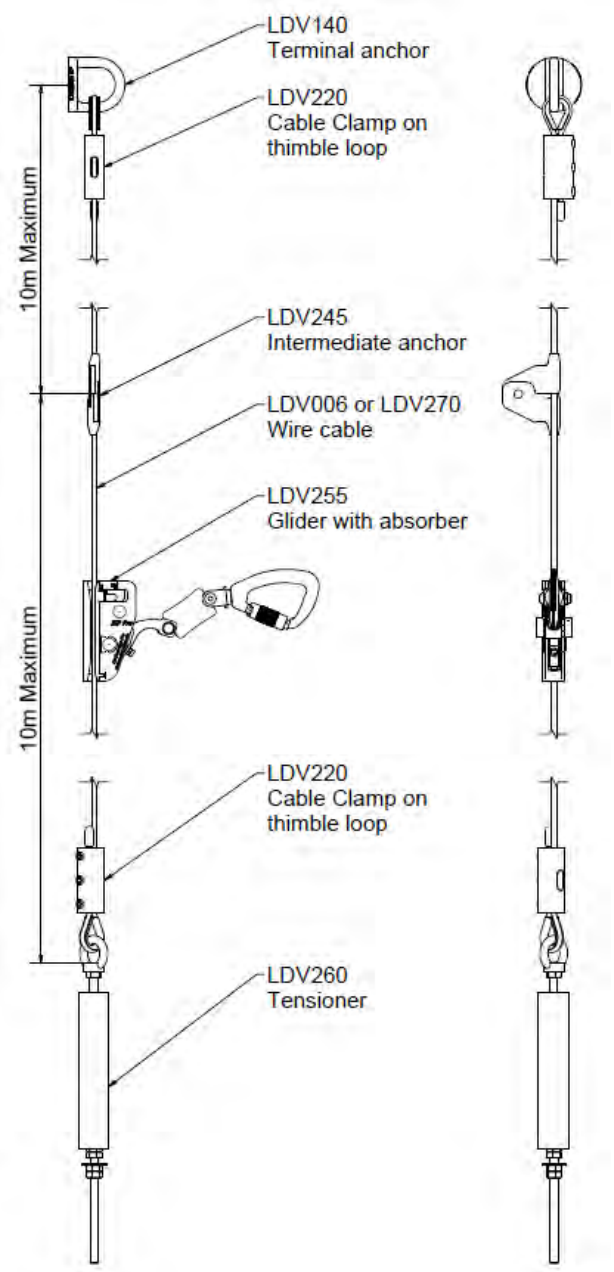
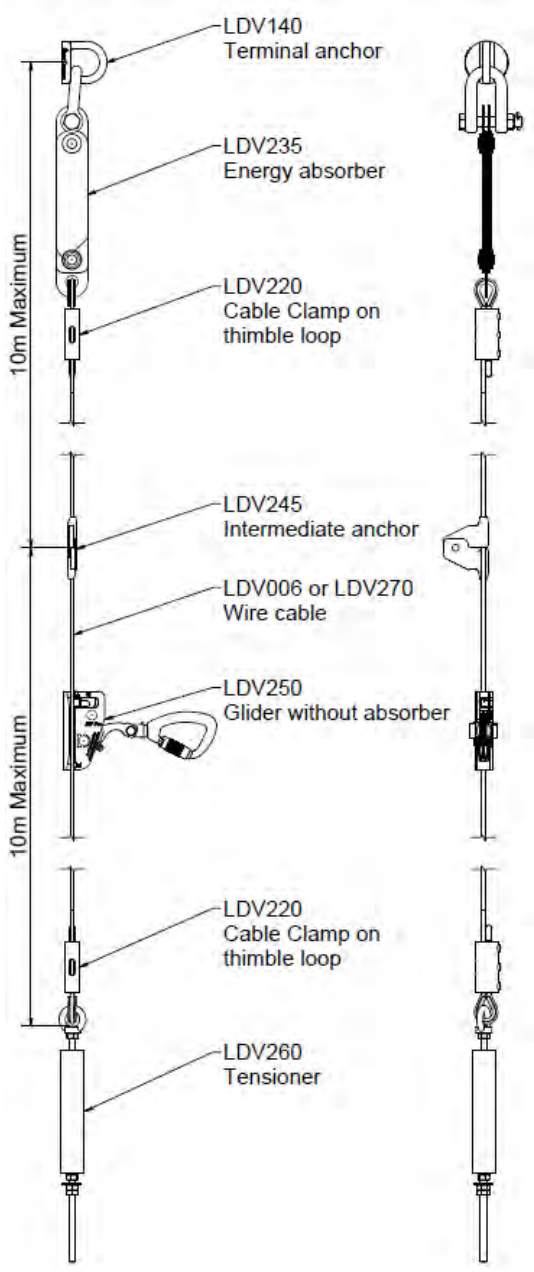
User manual

SecuRope Fixed Ladder Lifeline





FALLPROTEC

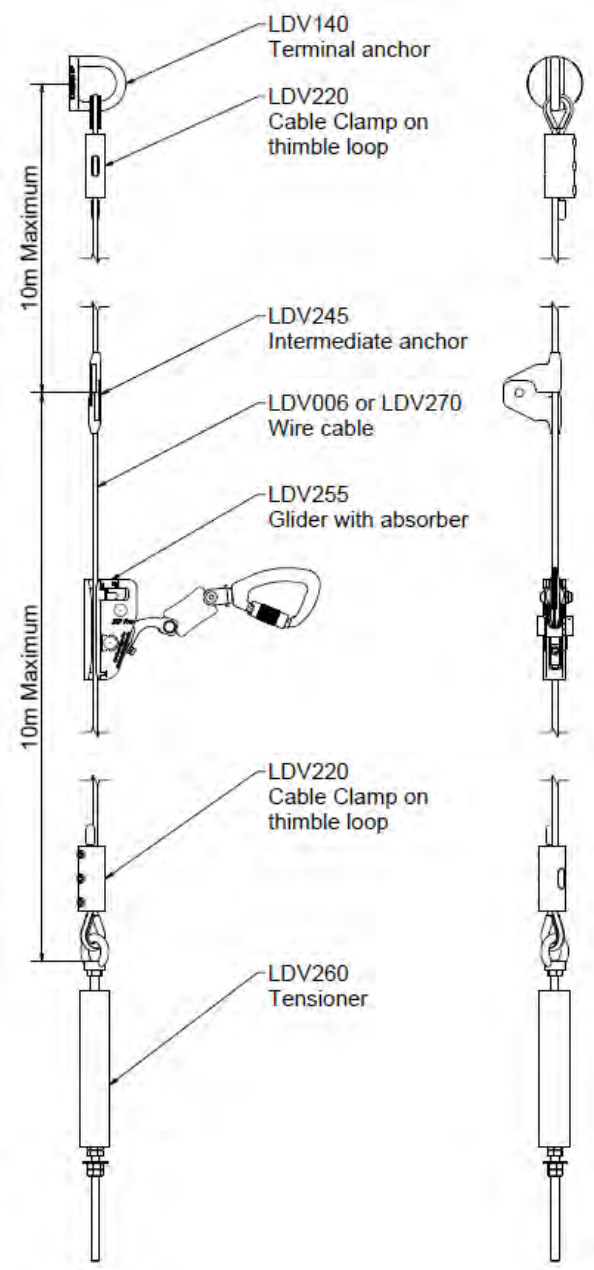
Safety Rail Source
2570 Blvd of the Generals
Suite 200
Norristown, PA 19403
877-723-3766
www.SafetyRailSource.com

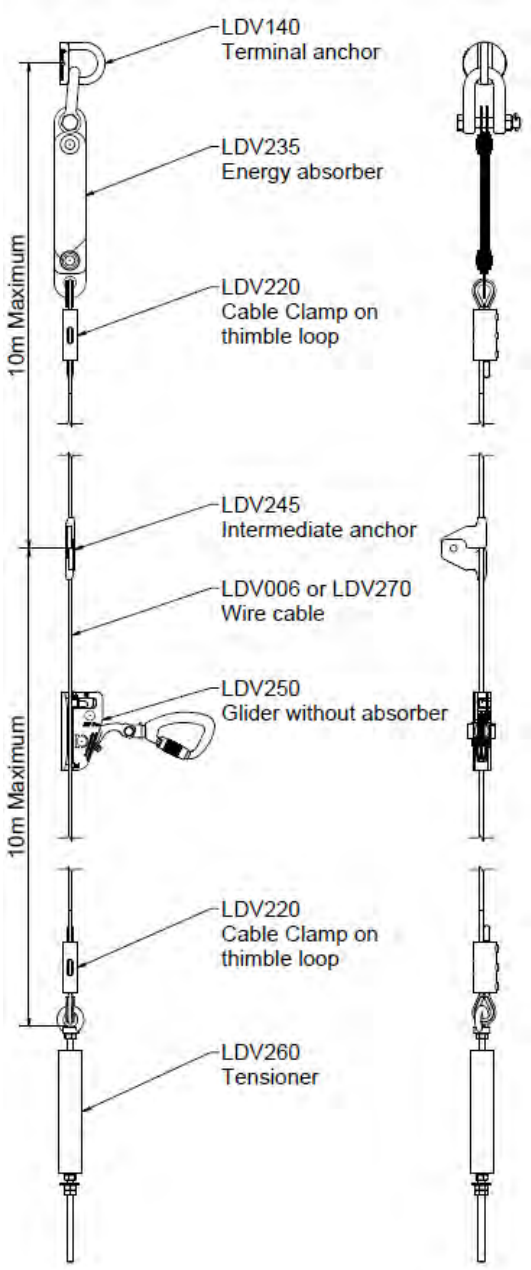
1. Certification

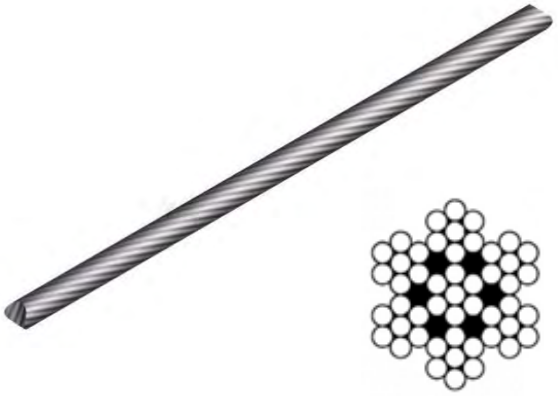
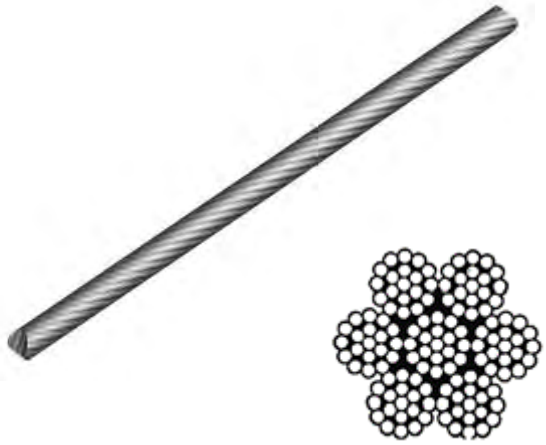
EU type examination certificate (The certificate can be downloaded at any time on our web portal).

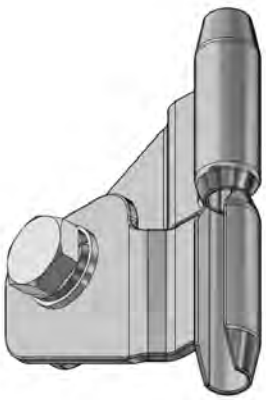
Standard	EN353-1 :2014+A1 :2017	
Certificate Number	ZP/B204/19	
Certification Date	2019-10-10	
Notified body	Code	0158
	Address	DEKRA Testing and Certification GmbH Handwerkstr. 15, 70565 Stuttgart, Germany Certification authority: Dinnendahlstr. 9, 44809 Bochum, Germany

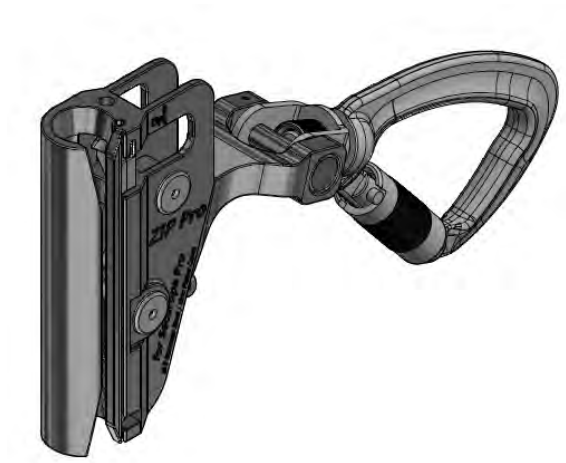
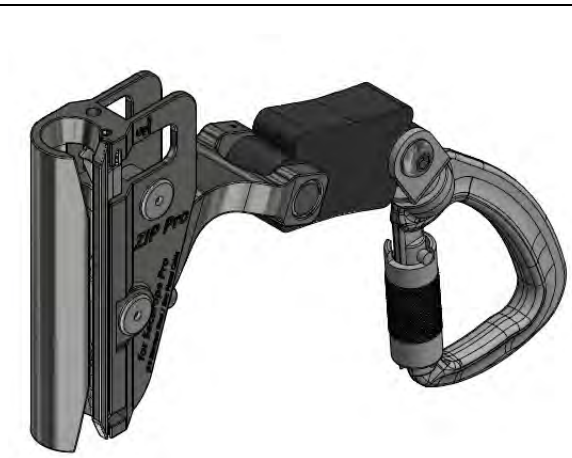
2. Equipment

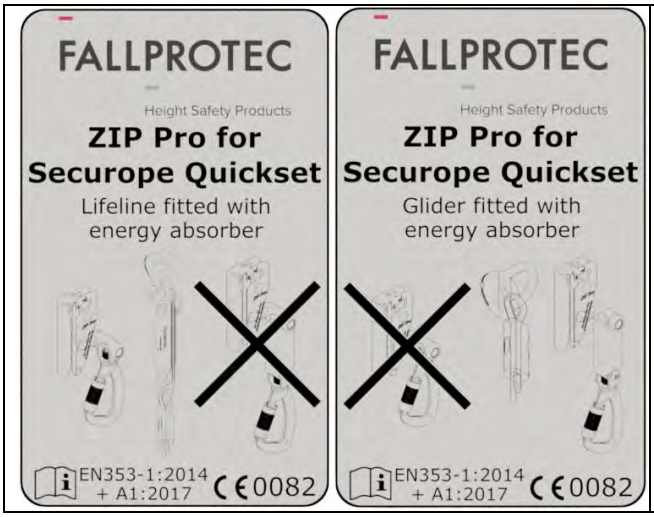
Components	Description
	• Lifeline without shock absorber • Fall arrester with shock absorber • Up to 4 users maximum

Component	Description
	• Lifeline with shock absorber • Fall arrester without shock absorber • Up to 1 user maximum

	• Stainless steel Cable Ø8 7x7
	• Zinc plated Cable Ø8 7x19
	• Cable Clamp on thimble loop

	• Securope anchor point
	• Shock absorber Securope
	• Intermediate anchor Securope QuickSet

	• Securope QuickSet fall arrester without shock absorber
	• Securope QuickSet fall arrester with shock absorber
	• Tensioner

 FALLPROTEC Height Safety Products ZIP Pro for Securope Quickset Lifeline fitted with energy absorber EN353-1:2014 + A1:2017 CE 0082 FALLPROTEC Height Safety Products ZIP Pro for Securope Quickset Glider fitted with energy absorber EN353-1:2014 + A1:2017 CE 0082	• Sticker

3. Identification plate

It is mandatory to install the plate nearby the anchor line, in the zone where the users attach themselves.
The plate is generated by our web portal *Fallprotec Assistant* and can be printed on a printer with the sticker provided by Fallprotec (weather resistant). The commissioning date must appear on the plate.

❶ Manufacturer informations and a QR code to get direct access to the informations related to the installation.
❷ Equipment type and applied standards.
❸ Logo, name and installer address.
❹ Symbols indicating it is mandatory to use a fall arrest harness with an energy absorbing system according to EN355.
❺ Maximal number of users and their weight.
❻ Installation place informations.
❼ Commissioning date
❽ Symbol indicating it is mandatory to read the user manual first.
❾ Unique serial number.

The sticker will be fixed on a plate, which can be manually folded depending the installation environment.

A self-locking Tag including an unique serial number must also be installed.

4. In case of fall

Maximal load transmitted to the host structure	6 kN
Maximal deformation	12cm (Deformation due to shock absorber)

5. Anchor device use

Maximal number of users for lifeline with absorber (No absorber on glider)	1
Maximal number of users for lifeline without absorber (Absorber on glider)	4

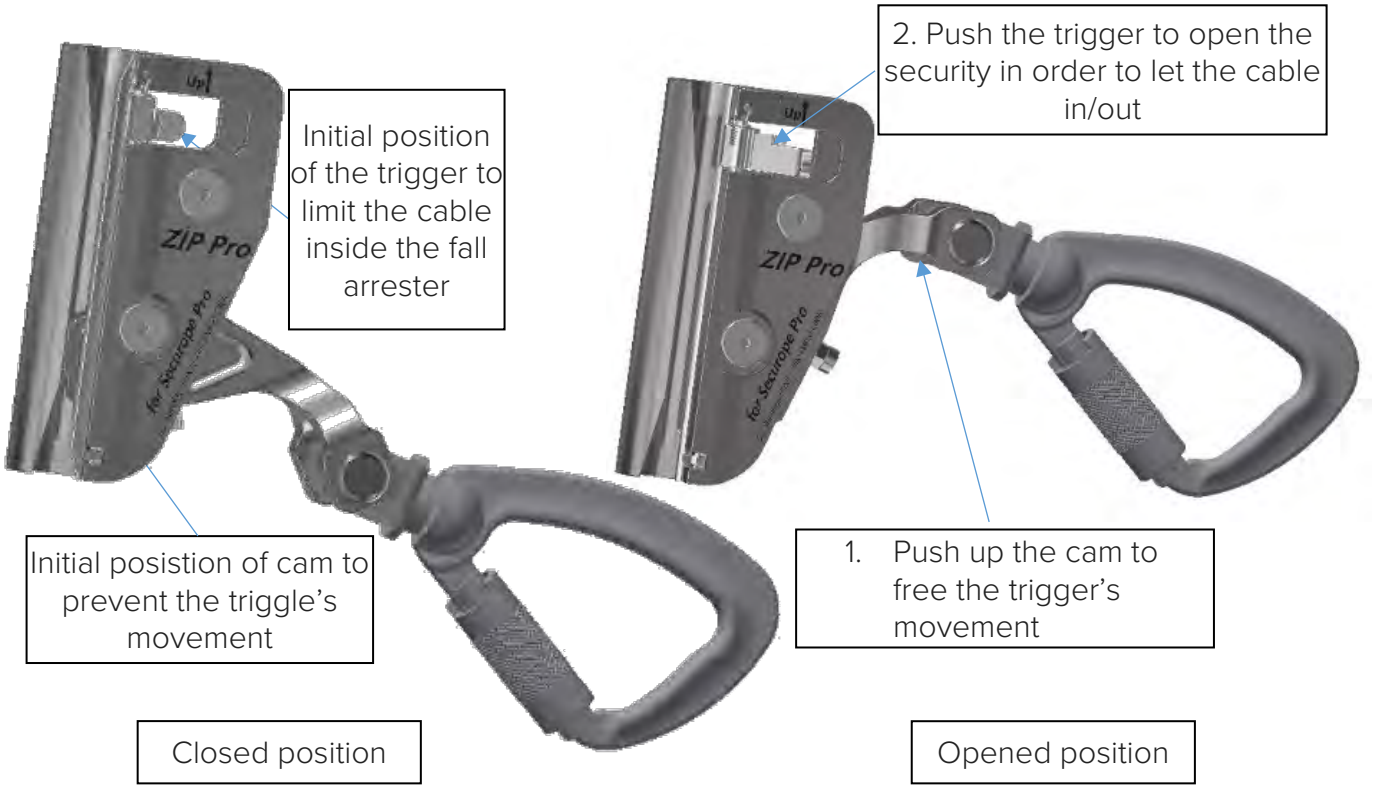
1	Insert the mobile anchorage device on the fall arrest support according to the marking, arrow to the top.
2	The lanyard carabiner must be fixed directly to the anchor point of the mobile anchorage device.
3	The fall arrest system should operate smoothly as one moves along the system. The mobility of the fall arrest is optimal when one goes up and down with regularity. - Ascent, the user drives the fall arrest. - In descent, the fall arrester slides freely under the effect of a slight traction that one obtains by the natural position of the body.
4	It is essential for safety that the device is always correctly positioned and that the work is done in such a way as to minimize the risk of falls and the height of the fall.
5	The user will take care to be in a safe situation before detaching from the anchoring device.
6	In case the user detects slack in the harness, he must stop any operation and tighten it from a secure position.

5.1. Assembly and dismantling of the fall arrest system

If the point of entry / exit of the line is a place where there is a risk of falling, the user must make sure to be safe by another protection system before the assembly / disassembly of the fall arrest.

Dismantling: Rotate the cam upwards, push the trigger to open the security, take the Securope QuickSet out of the line.

Assembly: Rotate the cam upwards and introduce the Securope QuickSet fall arrester on the wire cable, the security will automatically opened by pushing the Securope QuickSet on the wire cable.



5.2. Rigid anchor line installation recommendations

The rigid anchor line must be installed vertically.
An intermediate anchor must be installed every 10m, and every 8m if the height is higher than 50m.
The torque that the user has to apply for the cable clamp is 20Nm per bolt. (See instructions on the Cable clamp)

6. Instructions and information (according to Appendix II REPI-1.4)

6.1. Storage and maintenance (Requirement 1.4.a)

The fall arrester and the rigid belay support must be kept in a perfect state of cleanliness.

- Use a clean cloth and a specific cleaner for aluminium and stainless steel.
- The energy absorber of the fall arrester can be cleaned with soapy water and dried in the open air away from the sun.
- The use of chemicals, corrosives and solvents can be dangerous.

If the equipment is likely to come into contact with chemicals, consult us and give us the exact names of the chemicals involved.

6.2. Technical performances (Requirement 1.4.b)

6.3. N/A (Requirement 1.4.c)

6.4. Limits of use (Requirement 1.4.d)

- The total weight of the user, including tools and equipment, must not exceed 330lbs.
- The total weight of the user, tools and equipment not included, must not be less than 110lbs.
- Before removing the fall arrest system from the belay system or before detaching from the fall arrest system, fall protection must be provided by another device.
- The belay system must not be used as a work positioning system, in which case a separate restraint system must be used.
- Handling of the fall arrester while climbing or descending may interfere with the braking mechanism. If necessary, handle the fall arrester by its connector, never take in hand the body of the fall arrester in service.
- The user is not protected against the impact on the ground during the first 6 feet. Additional precautions must be taken when climbing or descending.
- In case of emergency the belay system can be used to guide the descent to the ground of the person.
- The fall arresters including a rigid anchor line made of stainless steel should not be installed in a highly corrosive atmosphere (e.g. above a swimming pool) because of the risk of non-visible stress corrosion cracking, unless specific control measures are in place or compatibility is established.

6.5. Period of life (Requirement 1.4.e)

- All parts of the belay system are made of stainless steel and aluminium with high resistance to atmospheric agents.
- The fall arrester is equipped with a textile energy absorber and has a lifespan of 10 years if it is stored away from UV and weather. It will then be returned to the manufacturer for general inspection and renewal if necessary.

6.6. Packaging and transport (Requirement 1.4.f)

- The user will use the original packaging for the transport of the fall arrest device (the contact address will be marked on the packaging)
- The fall arrester must be stored in its original packaging in a place protected from light and moisture.

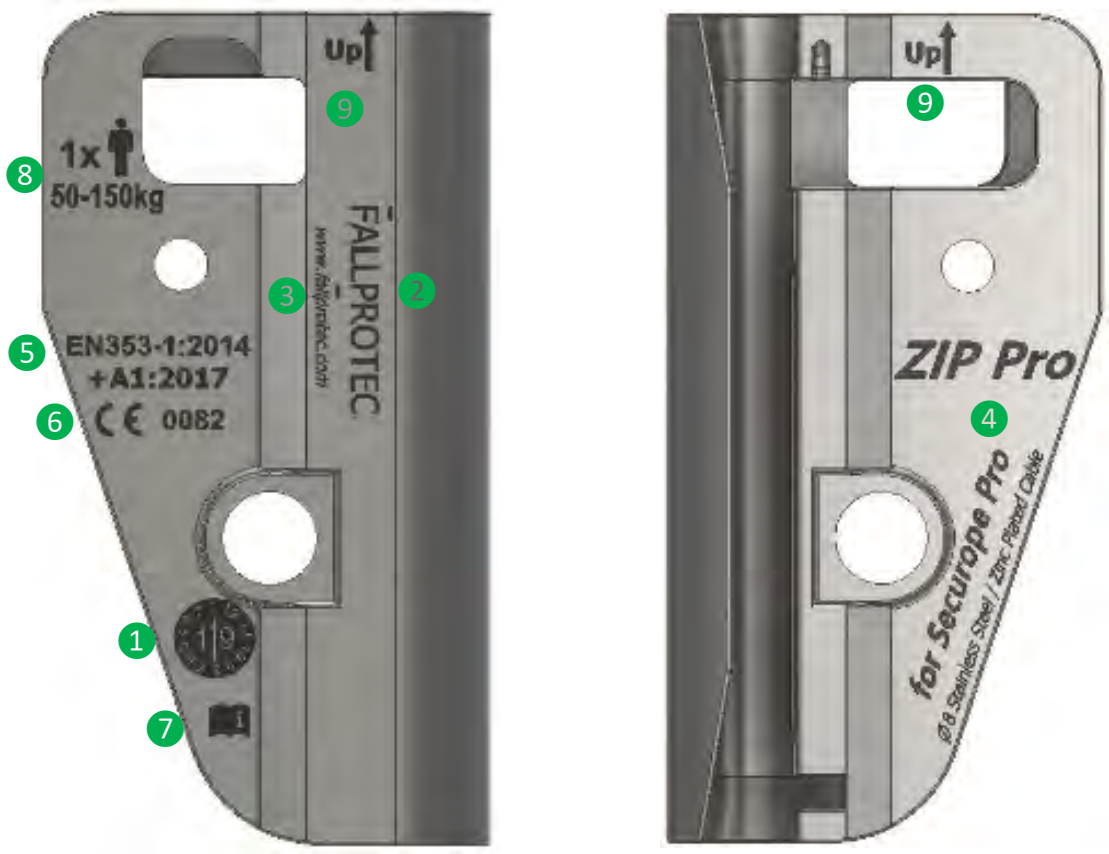
6.7. Marking (Requirement 1.4.g)

A signage label is installed on the ladder, in the area where users are clinging to the belay system.

This signage label contains the name of the manufacturer, the name of the equipment, the applicable CE marking standard and the number of the notified body body involved in the manufacturing follow-up.

The fall arrest system receives the following marking:

❶ Manufacturing date (Month/Year) serve as batch number
❷ Manufacturer Name: Fallprotec
❸ Manufacturer web site
❹ Model: Securope QuickSet
❺ Number of the applicable standard and the date of application of the standard: EN353-1: 2014 +A1:2017
❻ The CE marking (5mm) followed by the number of the notified body involved in the manufacturing follow-up
❼ An icon indicating that it is necessary to read this leaflet before use
❽ User and weight limitation
❾ Up arrow for correct orientation during use



6.8. Application (Requirement 1.4.h)

EPI has been designed for risks against falls from height.

6.9. Rules (Requirement 1.4.i)

EPI is designed and manufactured according to EPI regulation 2016/425.

6.10. Notified body (Requirement 1.4.j)

The notified body that has validated the conformity of the product is :
DEKRA Testing and Certification GmbH, Code 0158
Handwerkstr. 15, 70565 Stuttgart, Germany
Certification authority: Dinnendahlstr. 9, 44809 Bochum, Germany
The notified body chosen for production monitoring is :
APAVE SUDEUROPE SAS, Code 0082
8 rue Jean-Jacques Vernazza - Z.A.C. Saumaty-Séon - BP 193
3322 MARSEILLE CEDEX 16, France

6.11. Standard (Requirement 1.4.k)

EPI is designed and manufactured according to the harmonized standard EN353-1: 2014 +A1:2017.

6.12. Certificate (Requirement 1.4.l)

The EU declaration of conformity can be downloaded from www.fallprotec.com

7. Prohibited use

- Exceed the maximal number of users;
- Any use other than that intended by the manufacturer is prohibited ;
- The Securope QuickSet fall arrester is intended for a single user, who is responsible for it. Use by more than one person is prohibited ;
- The fall clearance is not sufficient ;
- The use of the system when the temperature is below -22°F;
- In the event of frost or risk of frost, thunderstorms or any other potentially dangerous exceptional weather conditions ;
- When there is a risk of electric shock ;
- The equipment stored in an environment that is aggressive to materials ;
- The equipment with obvious damage ;
- It is strictly forbidden to use the equipment beyond the limits specified in this manual or in any situation other than that for which it is intended ;
- The use of an additional safety element in combination with the equipment may affect safety;
- If the fall arrester is equipped with an energy absorber that is deployed or has an extra length of more than 3.9 inches (10cm);
- If any doubt arises about its condition for safe use;
- If the equipment has been used to arrest a fall and not used again until confirmed in writing by a competent person;
- If the pre-tension of 50kg has disappeared or the cable is soft;
- The use of another energy absorber than the original one ;
- Use the cable as grounding of welding machines.

8. Preliminary checks

It is mandatory to check the following before using the anchorage device :

- The user of the lifeline must be in good physical condition, and not prone to vertigo or giddiness.
- The user must have received adequate training for the following :
  - Use of the fall protection equipment,
  - Working with the lifelines,
  - Use of the rescue equipment in the event of fall.
- A minimum of two people is required to work together on the lifeline, so that each can assist the other in the event of an incident.
- A rescue plan must be in place to evacuate the person who fell within 15 minutes. The rescue material must be easily accessible and be located in the vicinity from the lifeline.
- Each user must be equipped with :
  - A suitable harness with two anchoring points, one at the back and one at the chest , in conformity with the EN 361 standard,
  - One adjustable harness,
  - The chest anchor point is the preferred point for anchoring the harness, the dorsal anchoring point being used for rescue operations,
  - Two karabiners twist lock type in zinc plated steel, according to EN 362 and having the following characteristics, length 105 mm, width 58 mm, wire diameter 10 mm, opening 20 mm, breaking strength 23 kN.

  Any other combination of components can affect the correct functioning of the system and is consequently forbidden.
- On arrival in the work area, or whenever the user attaches himself to the lifeline, he is required to check :
  - The anchorage device, harness and lanyard are in good conditions;
  - The Body harness should be set correctly, to ensure a perfect fit;
  - When the safety harness becomes loose, it must has to be readjusted from a secured position;
  - There is no obstacle under the walkway that could reduce the fall clearance;
  - If there are tilting end stops, they must be tested and must work properly ;
  - The carabiner should close automatically ;
  - The safety bolt of the carabiner must function automatically ;
  - There are no deformed components.
- The system must be immediately put out of service if the user notices one or more anomalies and the failing components have to be replaced by a competent person.

9. Warnings

- In case the product is sold to a country different to the first destination country, reseller must provide user, installer and maintenance manuals and instructions for inspections written in the language of the country where the product will be used.
- It is needed to provide also the information specific to the product.
- Marking of the equipment must be always visible.
- Any modification of the system or equipment cannot be made without prior written authorization of FALLPROTEC.

10. Inspection et periodic examinations

Regular periodic reviews are required strictly following the following recommendations. The safety of the user is related to the maintenance of efficiency and resistance of the equipment. The annual inspection must be recorded in the Fallprotec Assistance web portal in order to ensure the follow-up of the equipment.

- The installation must be subject to an annual visual and functional inspection by a competent person (who, by reason of his training and professional experience, is in possession of sufficient knowledge in the field of safety and evacuation devices, as well as applicable rules and guidelines for assessing the conditions of safety at work and the use of safety and evacuation devices).
- More frequent checks may be planned depending on the intensity of use and the conditions of the system environment.
- In case of heavy weather conditions, Fallprotec recommends the user to follow closely the system and its history, by inspecting it before each use or every 6 to 12 months according to these weather conditions.
- The lifeline will be inspected by a competent person once a year and after a fall. The safety of the user is linked to the maintenance of the efficacy of the system and the resistance of the equipment.
- Check that the marking engraved on the fall arrester is legible.
- The fall arrester and belay system will be cleaned with a specific cleaner for stainless steel and aluminium.
- The energy absorber of the fall arrester can be cleaned with soapy water and dried in the open air away from the sun, the original heat shrink tubing will be replaced if necessary.
- Any modification of the equipment or any addition to the equipment can not be done without the prior written consent of FALLPROTEC.

11. Maintenance

If the anchorage device is used in a dusty environment, mobile anchor devices need to be cleaned with soapy water. The lifeline is cleaned with soapy water or solvent if the environment is not flammable.
Mobile anchor devices are stored in a dry place.

12. Identification sheet

An identification sheet must accompany the product over its using time.

Identification sheet

Equipment type :

Manufacturer : FALLPROTEC SA
43-45, ZA Op Zaemer
L-4959 Bascharage
G-D de Luxembourg

Identification of the equipment :
Manufacturing date is written on the mobile anchorage devices: Month/Year (MM/AA)
Purchasing date :
Date of manufacturing :
Date of first use :
Periodicity of inspections : once a year
Period of life estimated :

Date 1st inspection	Type of inspection/reparation	Inspector's name and signature	Date of next inspection
After 1 year of use	**Belay system** Cleaning, remove deposits that could hinder the free flow of fall arrest. **Fall arrest** Lubrication of the axis of rotation of the locking cam with a spray; the anchor ring must rotate freely. Lubrication of the flanks of the locking cam. Checking the locking of the fall arrest device on the wire cable, the fall arrester must automatically lock on the rail under the action of the spring.		Periodicity once a year
Dates	Noticeable defects - relevant information	Name and signature	Forecast dates

NOTE : It is the responsibility of the user to keep the identification sheet up to date.