

# Installation manual

# Securope Quickset



## 1. General requirements for installation

The VLL must only be installed by a qualified person (as per ANSI 359.2-2007) who has an "approved installer" certificate issued by FRONTLINE in the name of that person.









The installation must be checked appropriately by calculation or tests.

For instance the ladder must withstand an ultimate force of 2700 lbs in vertical axis. (safety coefficient of 2 already included)

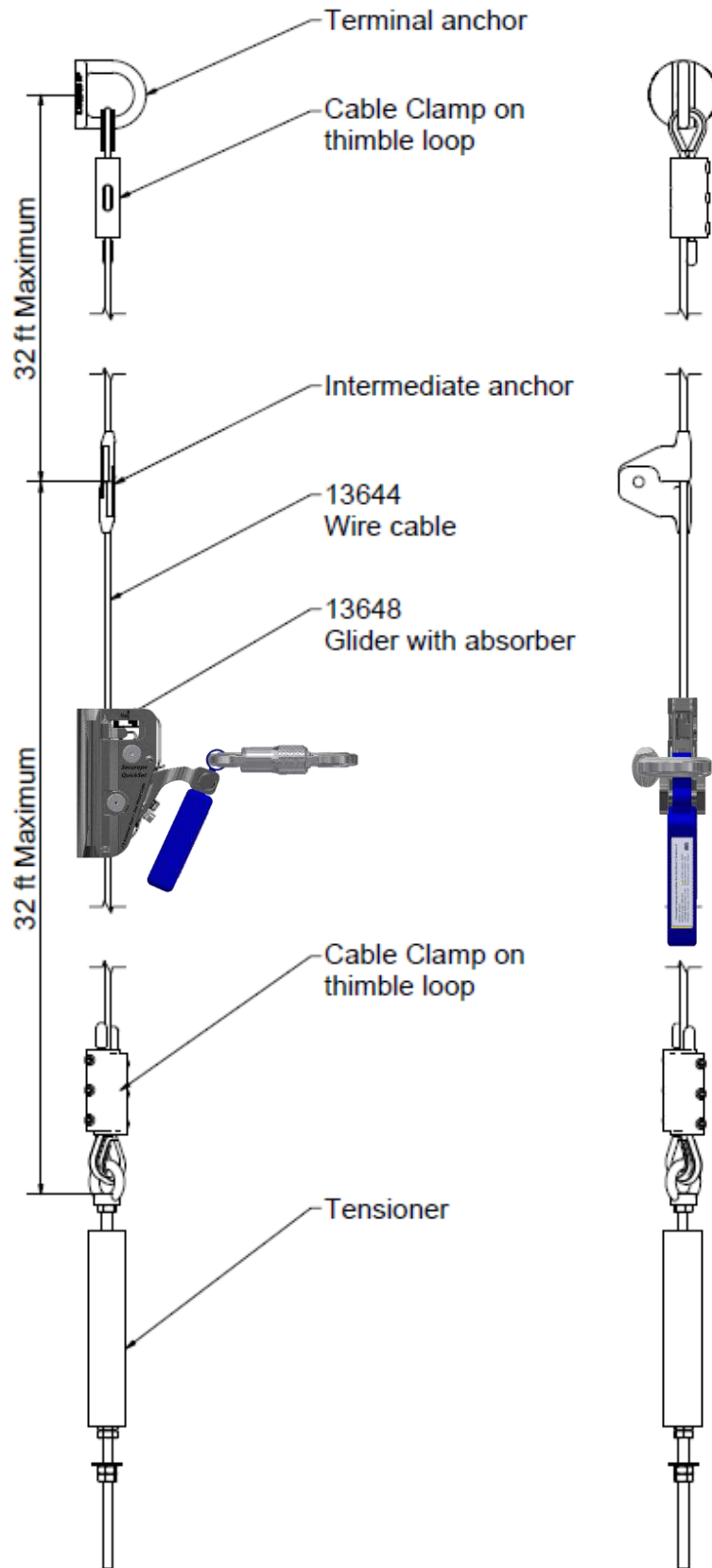
It is the responsibility of the installer to ensure that the ladder withstands the vertical lifeline.

For more information on a specific product (i.e certificates, plans, data sheets) please contact FRONTLINE or go to your reseller area on our web portal.

## 2. Tools needed

Description	
	<ul style="list-style-type: none"> <li>• Flat key set</li> </ul>
	<ul style="list-style-type: none"> <li>• Allen key set</li> </ul>
	<ul style="list-style-type: none"> <li>• Torque wrench &amp; set of sockets</li> </ul>
	<ul style="list-style-type: none"> <li>• Grinder</li> </ul>
	<ul style="list-style-type: none"> <li>• Electric tape (when cutting cable)</li> </ul>
	<ul style="list-style-type: none"> <li>• Level</li> </ul>
	<ul style="list-style-type: none"> <li>• Loctite glue</li> </ul>
	<ul style="list-style-type: none"> <li>• Plier</li> </ul>

### 3. Equipments



Code	Description
13644	Stainless steel wire cable $\varnothing$ 8mm 7x7
13645	Extension to be mounted on ladder to access to the roof
13646	Bottom tensionner with bracket
13648	Quickset with absorber

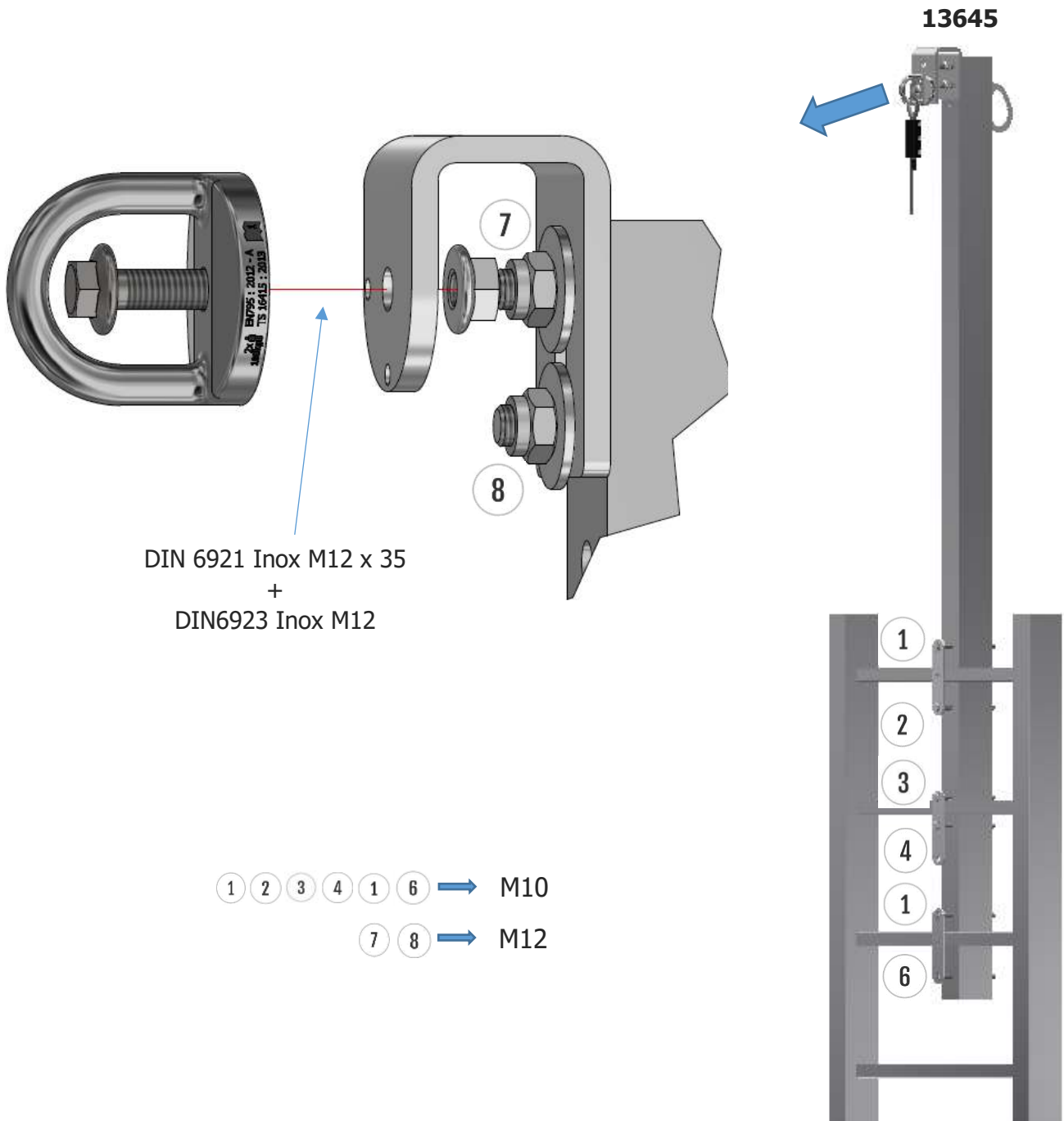
## 4. Resistance of the host structure

The installer must ensure that the host structure withstands the maximum load indicated below with a safety factor of 2 at the breakup.

Maximum load applied to the host structure	1320 lbs
Min. breaking strength of the structure	2700 lbs
Maximum deformation	4,7"(Deformation due to shock absorber)

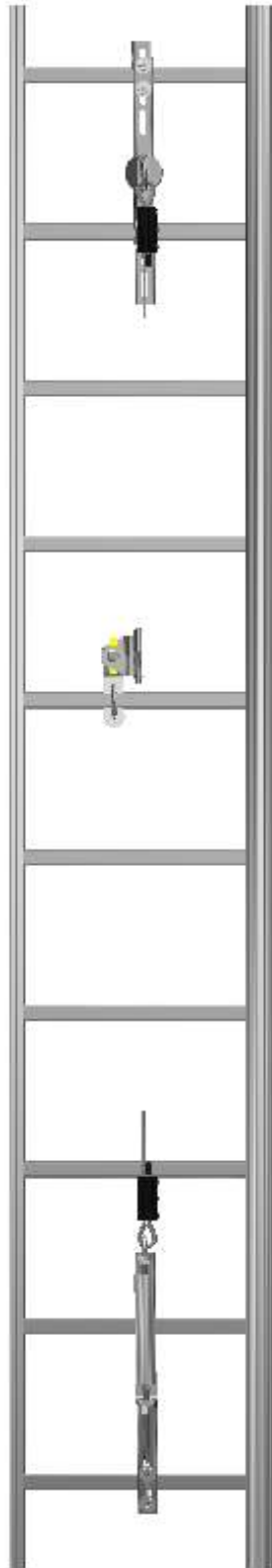
## 5. Fixation system

### 5.1. Extension to be mounted on ladder to access the roof

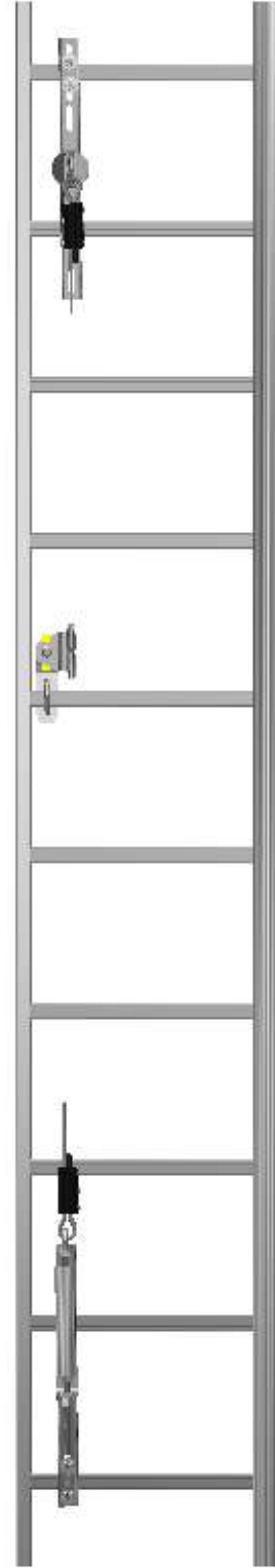


Fixation	Tightening torque
M10	18 ft-lb
M12	35 ft-lb

## 5.2 Position of the system

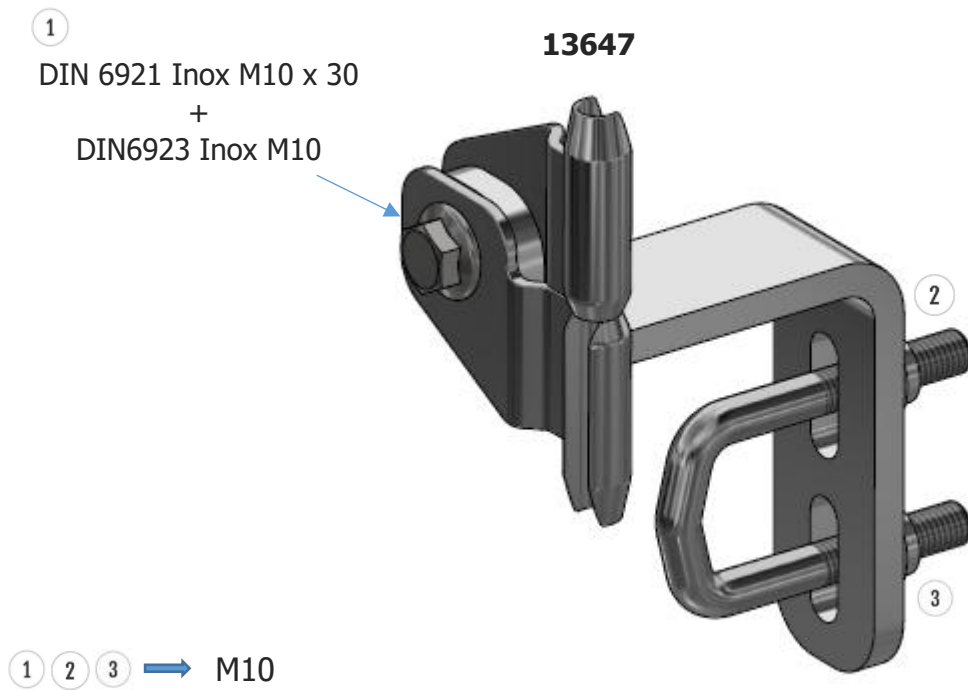


Middle of the ladder



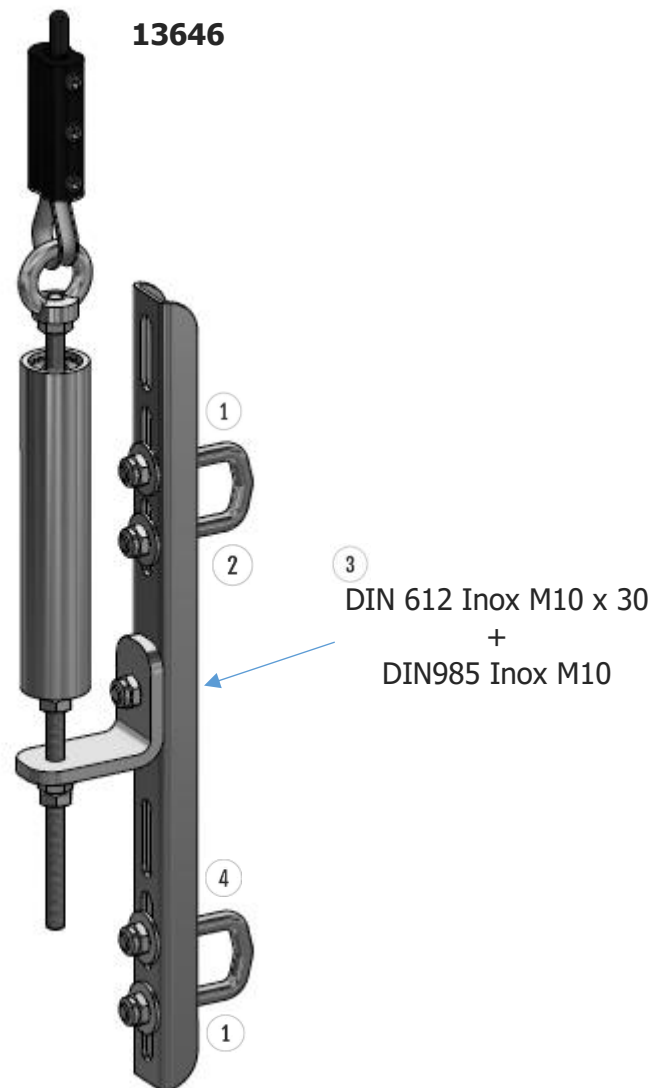
Left side of the ladder

## 5.2. Fixation for intermediate anchor



Fixation	Tightening torque
M10	18 ft-lb

### 5.3. Fixation for tensioner

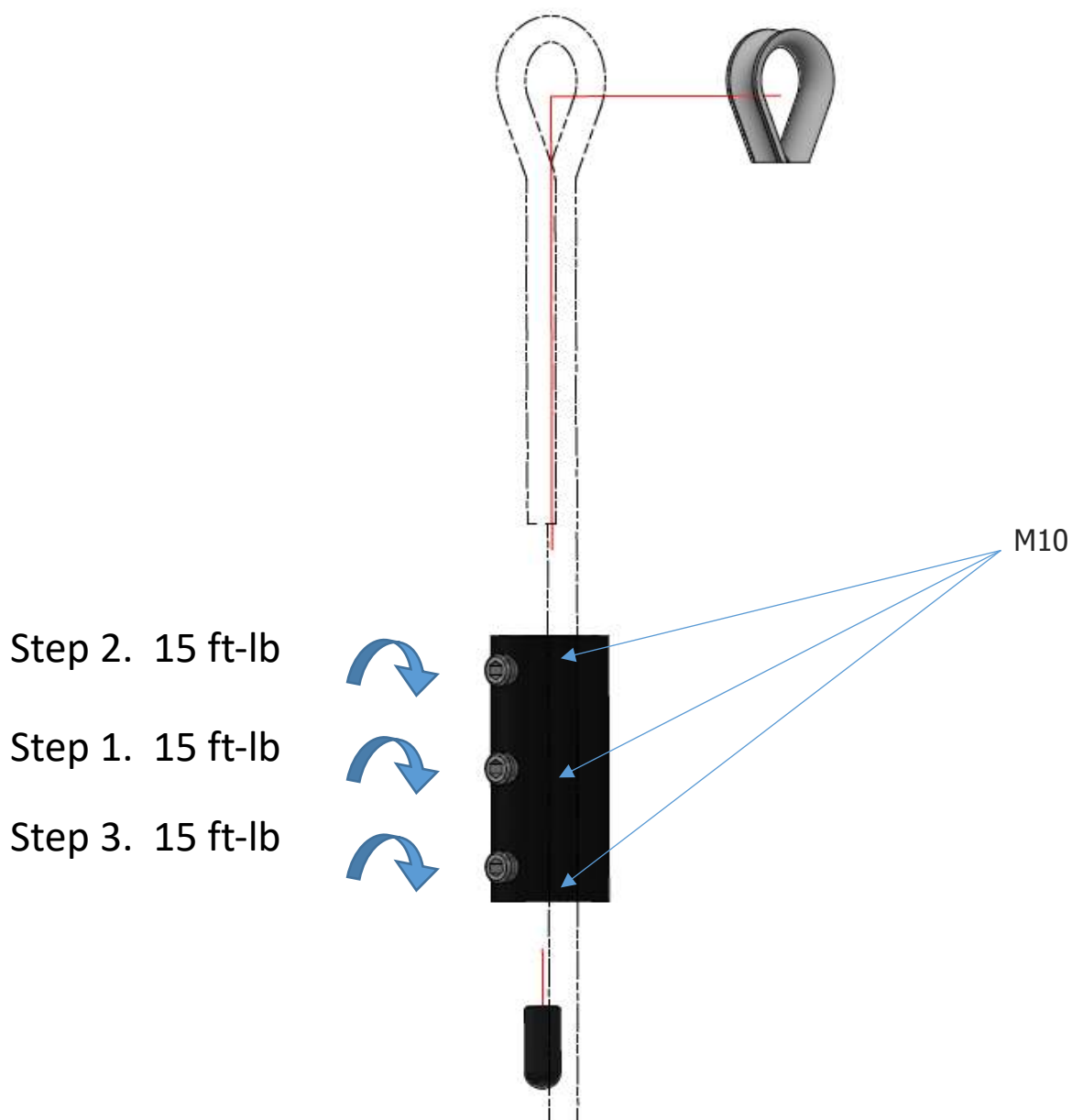


1 2 3 4 1 → M10

Fixation	Tightening torque
M10	18 ft-lb

## 6. Articles

### 6.1. Cable clamp on thimble loop



Fixation	Tightening torque
M10	15 ft-lb

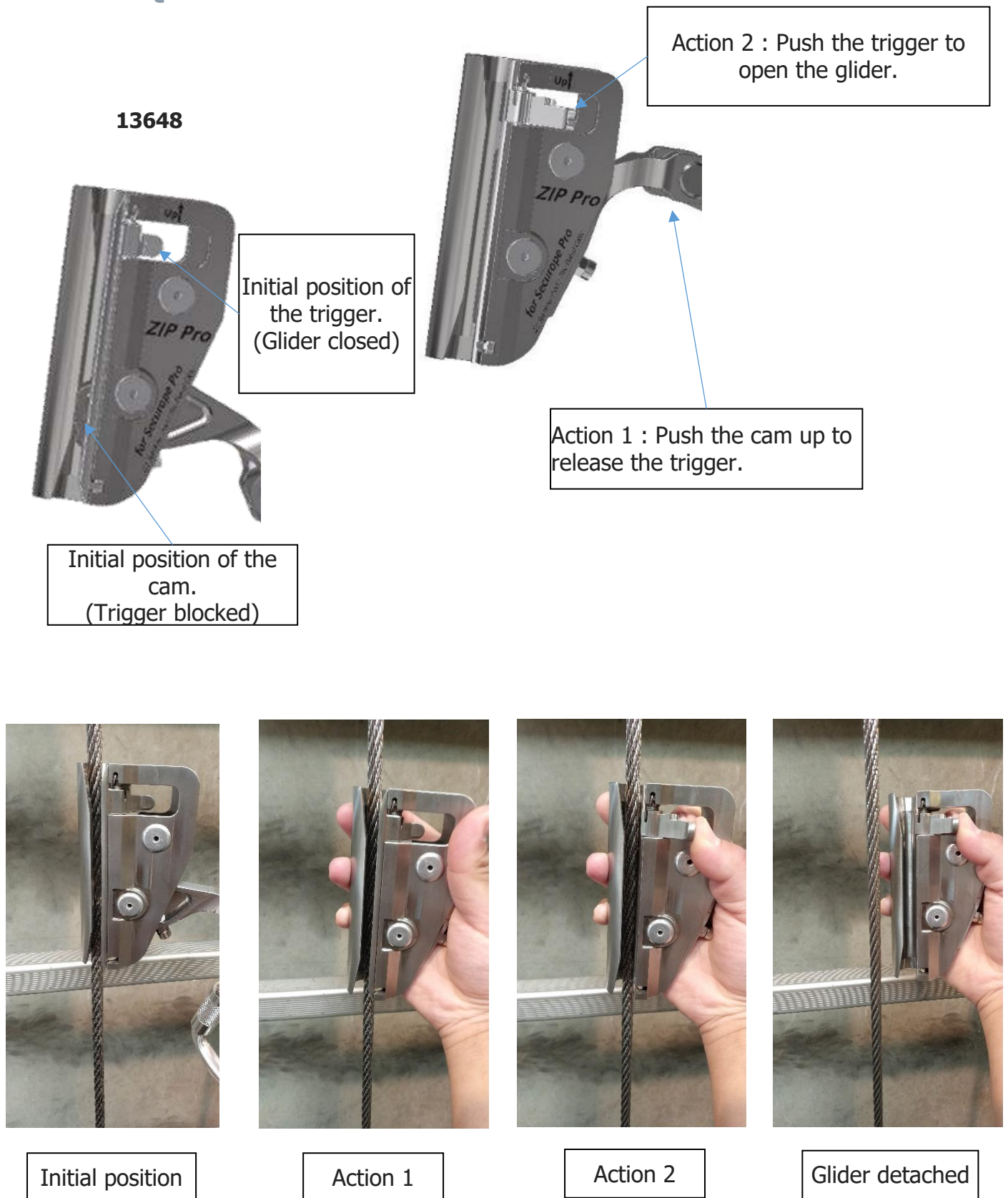
#### Caution;

The cable clamp can only be tightened ONCE. The glue on cable clamp is a reliable system, but the headless bolts can't be tightened/untightened multiple times.

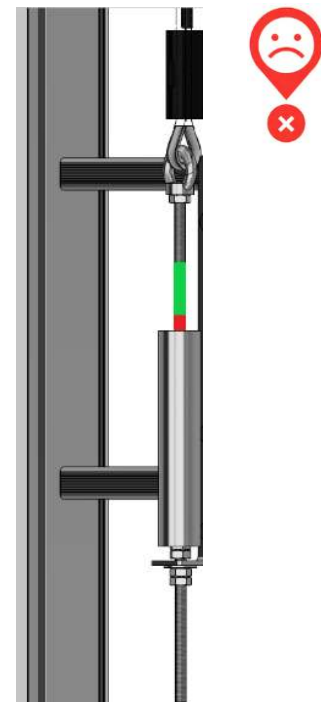
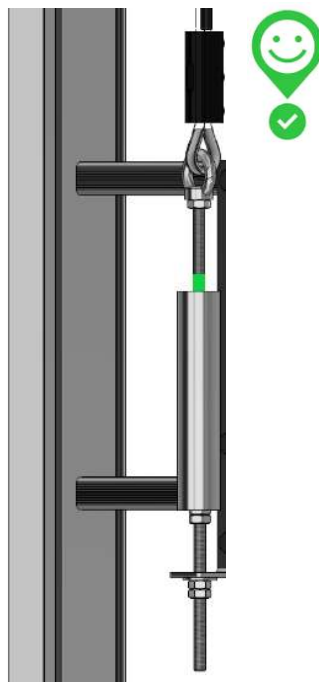
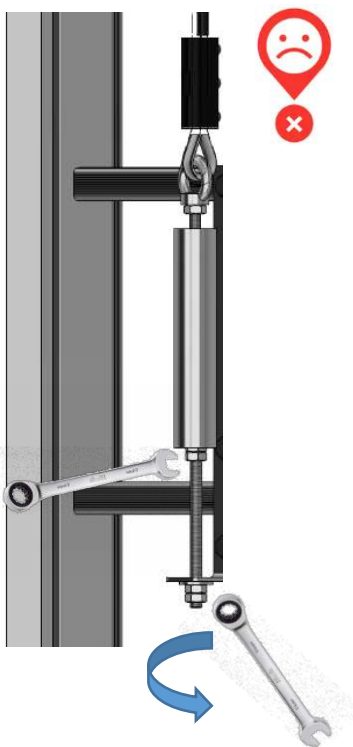
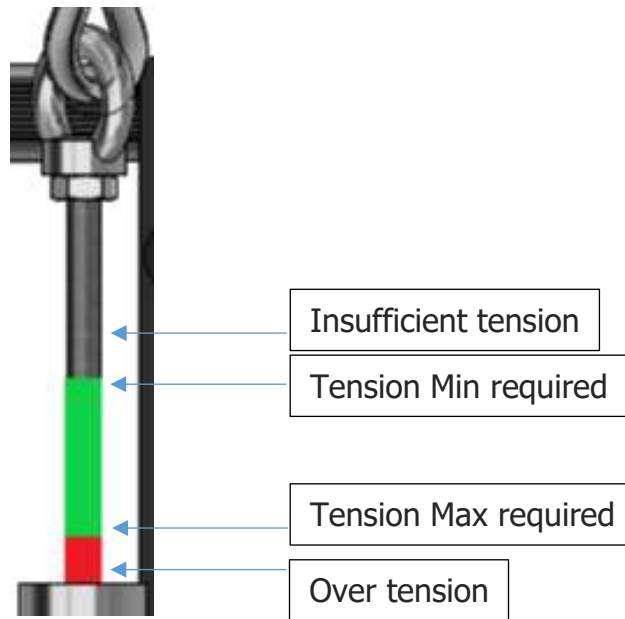
If the installer does so, he must:

- remove the red hard glue with a stainless-steel brush
- put strong liquid thread lock

## 6.2. Quickset



## 6.3. Tensioner



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## 7. Recommendations

Due to the risk of invisible stress corrosion cracking, if the mobile fall arrest system including a rigid belay support is to be installed in a highly corrosive atmosphere and compatibility is not established, specific control measures should be implemented.

The installer will have ensured that the receiving structure on which the upper anchor is fixed is dimensioned to withstand a downward force of  $(6+(\text{number of users}-1)) \times 450$  lbs given a safety factor of 2. (i.e. for 4 users :  $(6+3) \times 2 = 4050$  lbs)

The rigid belay support must be installed vertically.

The fall arrester must not extend beyond the ends of the rigid belay support (ie fixed or retractable stop).

The system forms a whole: no component can be removed or replaced.

The place of engagement of the fall arrester must be chosen where there is no risk of falling.

The user must be able to access and leave the entry / exit point safely.

## 8. 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.

Manufactured by:

**FALLPROTEC**

FALLPROTEC SA  
T: +352 26 55 09 30  
F: +352 26 55 09 30 55  
www.fallprotec.com

Installed by:

COMPANY NAME

DUMMY DEALER FALLPROTEC TEST

This is where the address comes nr. 1

Some Town

Luxembourg

+971 (6) 74 80 84 2

www.businessname.online

EN795-C:2012  
TS16415:2013

BEYOND THIS AREA WEARING A HARNESS AND SECURED BY A FALL ARREST SYSTEM ARE MANDATORY

Company  
**Gecko Tech**

Location  
Project1

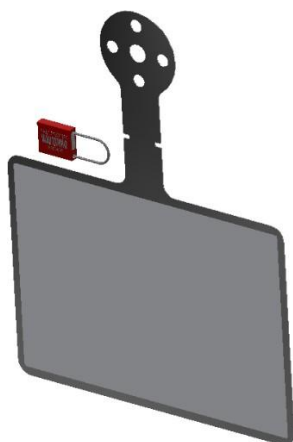
Number of users  
1 x max. 100 kg

Serial #  
123453

Installation date  
2019-02-12

EN355

- 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/ANSI Z359.13
- 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.

## 9. Documents to be provided after an installation

- Documentation should at least contain the following informations :
  - address and location of the installation ;
  - name and address of the company responsible for the installation ;
  - name of the person responsible for the installation ;
  - product identification (manufacturer, type, model...) ;
  - fixation device (manufacturer, product, admissible constraints) ;
  - schematic drawing of the installation, for example from the roof, and the pertinent informations for the user, such as the anchor points positioning.
- Declarations made by the responsible installer should be signed and at minimum assure that the anchor line :
  - has been installed according the manufacturer installation instructions ;
  - is conform to the drawing ;
  - has been fixed on the specified support ;
  - has been fixed as specified (for example, bolts quantity, conform materials, conform location) ;
  - has been out in service according to the instructions provided by the manufacturer ;
  - has been provided with photographic informations/documentation, specially when the fixations (for example the bolts) and the fixing interfaces are no longer visible the installation complete.
- When several anchor points have to be photographed for identification, numbering marking is recommended. The numbering has to be included in the anchor points inspection folders and the installation area drawing.