

OPERATION INSTRUCTIONS FOR CLIMBING CARRIAGE NO. 931 CE

1 PURPOSE OF CLIMBING CARRIAGE

Climbing carriage No. 931 CE is a device designed for personal use to be connected to safety rail structures (Safety profile B) to protect user from risks to his health and safety during operation.

2 COMMISSIONING AND INSPECTIONS

2.1 Competence and details to be inspected

The user must have appropriate training and experience to use the climbing carriage or he must work under qualified supervision.

Prior to use the user should always perform visual inspection of the carriage as well as of other parts of the system. Attention must then be paid to the following aspects:

- The full body harness is in the condition stipulated in the relevant regulations.
- The climbing carriage is in a proper condition.
- The safety ladder structures as well as the structures onto which safety ladder system is fastened are intact and in good order. If necessary the installation instruction can be found on manufacturers website www.safetyladder.fi



2.2 Standards applied

The climbing carriage/ safety rail combination has been tested according to standard EN 353-1:2002 and method VG11 RfU11.073 and meets the requirements of the Directive on personal protective equipment 89/686/EEC. The type examination certificate has been granted by the Finnish Institute of Occupational Health (Työterveyslaitos), Topeliuksenkatu 41a, FI-02500 Helsinki. Notified body no 0403.

2.3 Inspection of personal equipment

The climbing carriage must be checked on a regular basis in order to reveal any possible defects and/or weakening. A basic inspection of personal accessories (climbing carriages) is to be performed in connection with the annual inspection of the other personal accessories (full body harness and ropes). In the regular inspection the date of inspection as well as any appropriate comments shall be recorded on the product register card.

3 MAINTENANCE/DURABILITY

The structures of the climbing carriages are made and acid proof steel, teflon or bronze, and so they are not prone to corrosion and weather damage. The carriages have no joints or precise fits. They do not need to be oiled or greased. The carriages withstand even rough handling and there are no special requirements on their storage or maintenance.

The structure of the climbing carriages has been developed for aggressive use, which means that prolonged heavy use in poor conditions will not prevent reliable functioning.

NB!

If an inspection of the climbing carriage reveals exceptional wear and tear, a broken spring (the latch of the carriage is not automatically outside of the carriage's body) or an opening in the spring absorber of over 10 mm, the carriage must be immediately taken out of service and sent to the manufacturer Eltel Networks Oy for inspection and repair. The carriage must be immediately taken out of service in case of falling of the user.

NB!

The arrow must point upwards and the guide pin must be on the left side of the carriage.

4 INSTRUCTIONS AND FUNCTIONS

4.1

Follow carefully the instructions for use supplied with full-body harness and safety rope.

Install the carriage into the rail so that the arrow points upwards and the guide pin is on the left side of the carriage.

The climbing carriage may be installed into the profile (lower end of the profile is abt. 0.7m above ground level) either by opening carriage stopper no. 851 or in case of absence of the stopper by direct drawing the carriage into profile. Taking the carriage out of the profile is performed in reverse order.

4.2

Connect the climbing carriage to the full-body harness by snap hook (connection point A or two points marked with ½ A to be used together simultaneously).

4.3 Compatibility

Make sure that this product is compatible with the other parts of your equipment. Check with instructions for every single piece of your equipment. Climbing carriage No 931 CE is only compatible with the system containing safety rail B. Behind safety rail B you can see marking No 930 CE or No 931 CE which means that safety rail is intended to be used only with climbing carriage No 931 CE.

4.4

Lean gently backwards on the full body harness when climbing. Distance between the front edge of the profile and full body harness connection point should be as short as possible. Do not add anything (dumper or anything else) between the carriage and the full body harness. The carriage will then move without obstruction. The hands are needed mainly for steering the climb.

4.5

If the dragging force acting on the carriage ceases – e.g. during a fall – the climbing carriage turns and locks onto the next recessed claw of the profile at a maximum distance of 15 cm.

Instruction!

The user should take special care during the last two meters before leaving the profile.

Warning!

It is prohibited to do any changes, additions or refits to the climbing carriage without written permission of the manufacturer.

Warning!

Do not use the climbing carriage any other purpose than climbing.

Warning!

Do not use the system under the influence of drugs or alcohol.

Warning!

To avoid the worst possible situation take care that there are always at least two meters of free space under the user.

5 MARKINGS

The climbing carriage shall be equipped with the following appropriate markings:

- trade mark (Turvatikas®)
- → arrow shows up when climbing
- CE0403 notified body No.



- max. load 120 kg
- EN 353-1 = standard applied
- No 931 CE = product number
- packaging date, for example
- product's serial number for example
- notification to read through the standard



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6 PLEASE OBSERVE

6.1 Rescue plan

A rescue plan must be prepared prior to each operation and feasible methods of rescue must be ready to put into action in case any problem with the safety carriage shall arise during operation.

6.2

In use, the distance between the safety harness and carriage should be adjusted so that the leaning angle is as small as possible. However the climber's knees should not come into contact with the ladder rungs.

PRODUCT REGISTER

Model/type No 931 CE Climbing carriage		Serial number
Manufacturer Eltel Networks Oy Fax: +358 20 411 4653	Address Komentajankatu 5 PL 50 02611 ESPOO FINLAND	e-mail/website www.safetyladder.fi
Year of manufacture	Date of purchase	Commissioning date

INSPECTION DATE AND COMMENTS REGARDING PRODUCT NO. 931 CE				
Date	Reason for inspection	Comments	Name of inspector and signature	Date of next inspection