



The Handled Ascenders of Stec are manufactured in aluminum alloy, carbon steel parts, rubberized handled that improves ergonomics. It is available on different colors, orange for left hand and blue for right hand. Your locking system works even on several conditions of dirt and/or moisture. The handled ascender works with 8mm to 12mm diameter ropes. When pushed on the arrow direction, slide and pulling your system locks. Your work load is 4KN and burst load is 20KN.

Handled Ascender

Name	Handled Ascender	
Manufacturer	Stec	
Reference	Ø 8mm -12 mm Max 4 kN	
Certification	CE 1019 EN 567 UIAA	
Weight	240g	
HAND	COLOR	COD
RIGHT	BLUE	AAD0329R
LEFT	ORANGE	AAD0329L



LEFT-HAND RIGHT-HAND

Additional Information

Application

The handled ascenders Stec are used to rope progression, of easy installation, used with 8 to 12mm diameter kernmantle ropes, do not use on wire ropes. Could be used as blocking element in hauling systems.

WARNING!

- Prevent the equipment from contacting with chemical substances that may cause product damage.
- Do not perform repairs or manutention on the equipment.
- Any modification will put the user in risk and going to result in loss of manufacturing defects warranty.
- In the case of any doubt about integrity of product, do not use the equipment.

This equipment can not be used as a rope grab device.

1.APPLICATION FIELD

Handled ascender for rope progression. This equipment shall not be used to other applications, that exceed your limits or any other situation that the same not be previewed.

Notice:

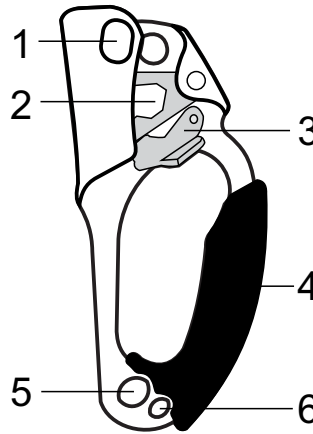
All the users shall be trained in emergency proceeds and rescue methods associated of this device use, this information are detailed on "Implantation" of this use instructions. The users shall take care for hair, fingers, gloves, clothes and other items do not obstruct the handled ascender.

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PARTS

NOMENCLATURE



- 1 - Upper hole
- 2 - Cam
- 3 - Safety catch
- 4 - Handle
- 5 - Lower attachment hole
- 6 - Stirrup hole

Materials:

Body: Aluminum, steel cam, steel safety catch, rubbish handled.

Weight: 240g

1.Inspection, Verification points

The handled ascender Stec shall be inspected before and after each use. This inspection shall verify if have corrosion, cracks, abrasion evidence, deformation, loose pins or missing components. Functionally test complete, verify if marks are legible and clean. Beyond pre-use verification, a regular and detailed inspection shall be realized for authorized and competent person in suitable and registered deadlines, this shall not exceed six months of interval. After any emergency the equipment shall be withdrawn from use. If any reason you do not have 100% of sure that the handled ascender is able to use, the same shall be withdrawn from use to future investigations. Devices that pass on inspection only should reused after duly completed records. Example of the registration form as attachment on final of this manual.

2.Compatibility

Verify the compatibility of this product with other elements of system in your application. (compatibility = good functional interaction). The same could be used with Full Body harness and Rope Grab with carabiners Stec. It is recommended use carabiners of Stec. Gloves: The use of suitable work gloves it is recommended. IMPORTANT: The elements used on your handled ascender shall be on conformity with current standards. The user is responsible to ensure the combination of all rope access system elements. Use Ø11mm kernmantle ropes of Stec - NBR 15986 polyamide/polyester.

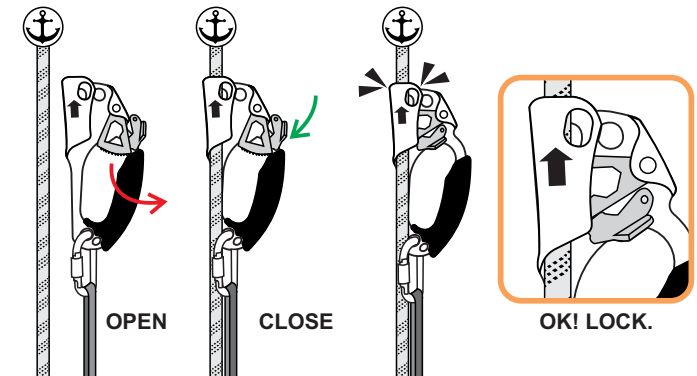
3.Operation principle

This equipment allows climb in ropes. Sliding along of the rope in one way and in other blocking. The cam, press the rope, resulting in blocking.

4.Rope Assembly

Pull the safety catch down and back, holding under body device. The cam is going to be open. Put the rope inside the ascender. Verifying up and down sides. Pull the safety catch to the cam hold the rope. Well done, it is closed. To remove the rope, slide the device to up and at the same time open the cam triggering the safety catch.

ROPE ASSEMBLY



5.Functionally test

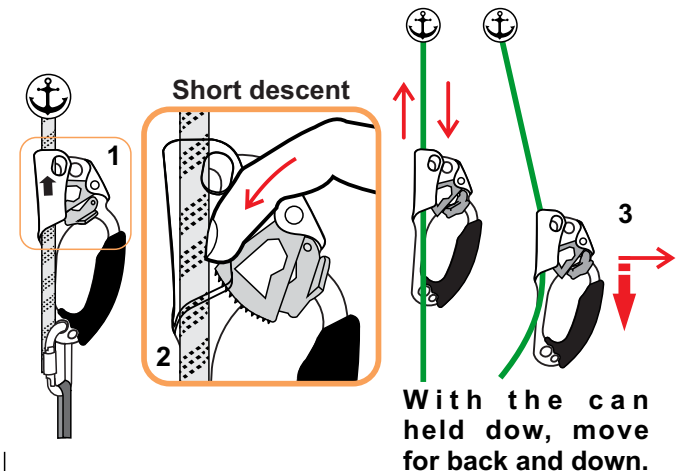
When the device was installed correctly on rope, pull the handle on the desirable way.

6.Rope access

The traction shall be made on the correctly position, pulling handle parallel of rope, on this case to down, and not oblique. In case of horizontal crossings or level crossing, put the connector inside upper hole. Be careful to not hold the ascender when approach of devices or knots on the moorings. Avoid slack on the extender used to fix on the anchors points. In case of fall, the forces of ropes absorb dramatically decrease when get close of anchor points. Avoid leaps on the rope.

7.Short descent

With a short movement to up (1), at the same time at the handle slide, push the cam (2) with your index finger allowing that the rope stay slightly free of teeth. Now without put your weight on the handle, made the short descent (3). Do not pull the safety catch, because if the safety catch was pushed will take the risk of involuntary opening.



Attention, with tension the unblocking of handle ascender need expertise and ability.

The assembly of hauling systems shall be trained and improved before each proceed.



Read and understand this manual prior to use and save for future reference. Only the techniques presented in this manual are authorized. Some examples of miss-use are included, these have a stripe or pictogram of a skull and should be avoided, these are some examples of miss-use, it is impossible to foresee all ways equipment can be miss-used and users should never use equipment in ways that are not 100% verified prior to being used to provide personal safety, in case of doubt contact SafeTec. When any doubt exists regarding its efficiency equipment must not be used.

Rope Condition: wear, wetness and contaminants will affect the performance of the Handled Ascender. Some rope conditions will make positioning of the Handled Ascender more difficult. Others e.g. oil & grease will affect the device's ability to perform of Handled Ascender may not be provided. The effective operation of the Handled Ascender should be monitored and checked in all conditions. Where any performance doubt exists, the Handled Ascender should not be used.

Sea Water: it is essential that this Handled Ascender is cleaned as soon as practicable after each exposure to sea water or saline environment.

Chemical reagent: avoid contact with any substance or material that may causes corrosion or other damage to the device.If contact occurs consult expert advice as to damage and cleaning requirements. Inspect prior to any re-use.

Maintenance: the Handled Ascender is not user maintainable with the exception of disinfection, cleaning and lubrication as detailed below.

Disinfection: following any contamination the source of the contamination should be determined and advice obtained as to suitable disinfecting procedure. After disinfection the device should be re-cleaned. Sterilisation may be required.

Cleaning: If soiled rinse in clean warm water of domestic supply quality (maximum temperature 40°C) with mild detergent at appropriate dilution (pH range 5.5 - 8.5). Dry naturally away from direct heat sources. To remove grease use a detergent that has properties that do not affect the metal spring, body, cam or nylon cord.

Lubrication: It is essential to maintain lubrication of the Cam spring. Lubricate regularly and after cleaning with light machine oil or teflon or silicone lubricant to ensue free movement of the cam. Wipe off the excess to avoid contamination of ropes and textile equip.

Lifespan: it is very difficult to define the safe lifespan due to varying use and storage conditions and may be as little as one use, or even earlier if damaged (e.g. in transit or storage) prior to first use. For the product to remain in service it must pass a visual and tactile examination.
Maximum lifespan: 10 years from 1st use.

Obsolescence: this device may become obsolete before the end of its lifespan. Reasons for this may include changes in applicable standards, regulations, legislation, development of new techniques, incompatibility with other equipment etc.

Transportation & Storage: after cleaning store unpacked in a cool, dry, dark place in a chemically neutral environment away from excessive heat or heat sources, high humidity, sharp edges, corrosives or other possible causes of damage.

Do not store wet.

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