

PERIODIC CHECKING OF PERSONAL PROTECTIVE EQUIPMENT ROPE CLAMPS

DEVICE IDENTIFICATION SHEET

Trademark		Manufacturer	Aludesign S.p.A. Via Torchio 22, 24034 Cisano B.sco (BG) ITALY
Reference standards	EN 567, EN 12841		

PARTS IDENTIFICATION

PRIMARY ELEMENTS	Body, locking cam, safety lever, rivets, cam spring, connection plate (Quick'Arbor only), sheave (Quick Roll only), wire lever (Quick Roll only).
SECONDARY ELEMENTS	Rubber handle, protection cover.
REPLACEABLE PARTS	/

Fill-out this inspection sheet following the inspection procedure, photographs and instructions supplied by the manufacturer, which you can download from www.climbingtechnology.com. **Attention!** The examiner's verdict on the severity of the anomaly must be based on objective criteria and the specific training received. The producer accepts no responsibility deriving from inexact information recorded by the user or servicer.

DEVICE PERIODIC CHECK SHEET

1) HISTORY AND GENERAL CHECK	
1.1	Check the existence and the readability of the marking details, in particular the CE symbol and the applicable EN norm/standard.
1.2	Check that device has not exceeded the storage and/or in-use lifetime, as stated in the specific instructions for use.
1.3	Check that the device is intact and no parts are missing (check against a new product).
1.4	Check that the device has not been modified outside the factory or serviced in a non-approved centre (check against a new product).
1.5	Check that the device has not experienced an exceptional event (e.g. fall from height, violent blow, etc.). Even in the absence of visible defects or deterioration, the original strength could be seriously reduced.
2) VISUAL CHECK	
2.1	CHECKING THE BODY Make sure there are no cuts, cracks or sharp edges. Make sure there are no incisions deeper than 1 mm. Make sure that areas of wear are no deeper than 1 mm, paying particular attention to where the rope or connectors are in contact with the device. Check there is no corrosion or oxidation.
2.2	CHECKING THE SAFETY LEVER Check that there are no excessive slack, deformations, cracks, and cutting edges. Make sure there are no incisions deeper than 1 mm. Make sure that areas of wear are no deeper than 1 mm, corrosion or oxidation. Check the two rivets are not loose.
2.3	CHECKING THE CAM Check that there are no excessive slack, deformations, cracks, and cutting edges. The teeth of the cams must be all present and without signs of wear, verify the integrity of the cam spring and remove all dirt; check the spindle is not loose and shows no sign of wear.

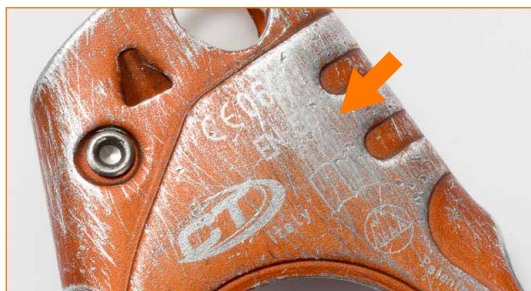
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2.4	<p>CHECK OF THE CONNECTION PLATE (ONLY FOR QUICK'ARBOR)</p> <ul style="list-style-type: none"> • Check that there are no deformations, cracks, wear, corrosion and oxidation. • Check the presence and the condition of the rivets connecting with the blocking parts. • Verify that the angle formed by the two ascender handles composing the device is equal to 120°.
2.5	<p>INSPECTION OF THE LIFTING SYSTEM WITH PULLEY (QUICK ROLL ONLY)</p> <ul style="list-style-type: none"> • Check that there are no deformations, cracks, wear, corrosion and oxidation. • Verify the correct operation of the pulley (refer to the inspection procedure for pulleys). • Verify the functioning of the wire lever.
3) FUNCTIONAL CHECK	
3.1	<p>SAFETY LEVER / CAM FUNCTIONMENT</p> <ul style="list-style-type: none"> • Rotate and release the safety lever in order to check that the spring comes back efficiently into position. Lubricate if necessary. • Rotate and release the cam in order to check that the spring comes back efficiently into position. If necessary, clean it with compressed air and lubricate.
3.2	<p>INSERTION OF THE ROPE</p> <p>Open the cam by making it rotate using the safety lever; hook the safety lever onto the body of the device. Check that the cam stays into position and allows to insert easily the rope. After unclipping the lever, the cam must close automatically.</p>
3.3	<p>LOCKING CHECK</p> <ul style="list-style-type: none"> • Check that the device slides smoothly by pulling it upwards. Carry out the test with the minimum and maximum allowed rope diameter. • Verify the proper locking of the device on the rope by loading it with the weight of the body and pulling it downwards. Carry out the test with the minimum and maximum allowed rope diameter.

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PHOTO APPENDIX

ROPE CLAMPS



Markings not legible.



Highly worn body in the area where the rope slides.



Worn body next to the lower attachment hole.



Highly worn rotating pivot of the locking cam.



Locking cam with missing and broken teeth due to a strong wear and to improper uses.



Deformed body due to the accumulation of rope sheathes after a fall with $F_f > 1$.



Locking cam presenting a deposit of material which jeopardizes the functioning of the teeth.

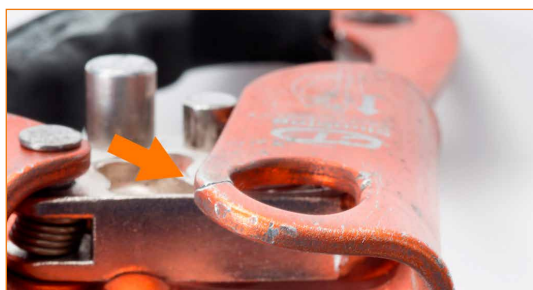
🔧 First you must verify the type of deposit, and then try to remove it using water, a cloth or any tool that doesn't damage the underlying support. In case the removal is not feasible, discard the device.

PHOTO APPENDIX

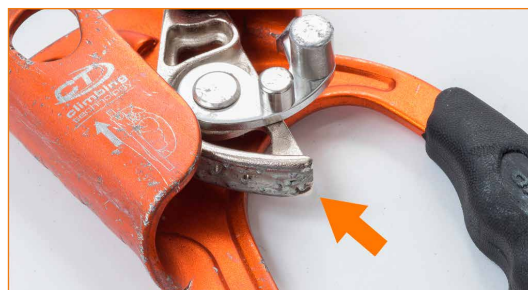
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Rubber handle which is damaged and is missing some parts. Carefully check the structural parts near the damage. Ensure that the functionality of the primary parts of the device is guaranteed. If not, discard the device.



Cracked body next to the upper attachment hole.



Locking cam and/or safety lever that doesn't return automatically into the correct position.



Locking cam with worn teeth.



Visible signs of oxidation.



Deformed and worn body.