

PERIODIC CHECKING OF PERSONAL PROTECTIVE EQUIPMENT SELF-BRAKING DESCENDER COMPARABLE TO SPARROW

DEVICE IDENTIFICATION SHEET

Trademark		Manufacturer	Aludesign S.p.A. Via Torchio 22, 24034 Cisano B.sco (BG) ITALY
Reference standards	EN 341, EN 12841		

PARTS IDENTIFICATION

PRIMARY ELEMENTS	Side plates, plastic handles, locking cam and other metal parts.
SECONDARY ELEMENTS	/
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	<p>DEVICE CHECKING</p> <ul style="list-style-type: none"> • SIDE PLATES - Make sure the side plates are not bent and that there are no cuts, cracks or wear, paying particular attention to the areas in contact with the rope and the connector. Make sure there is no corrosion or oxidation. • PLASTIC EXTERNAL HANDLES - Make sure handles are not bent and that there are no cuts, cracks or wear, paying particular attention to the parts in contact with the connector. • LOCKING CAM AND OTHER METAL PARTS - Make sure there are no bent parts, cuts, cracks or areas of wear whose depth exceeds 1 mm, paying particular attention to the areas in contact with the rope or connectors (eg locking cam). Make sure there is no corrosion or oxidation.

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3) FUNCTIONAL CHECK	
3.1	<p>CHECKING THE DEVICE'S MOVING PARTS</p> <ul style="list-style-type: none"> • CONTROL HANDLE - Check that the control handle can rotate freely and without impediment from the STANDBY position to the end of its travel. Near to the position REST you should feel a slight resistance. Check the spring is functioning correctly to automatically return the control handle from the end of travel position to the REST position. If necessary, clean it with compressed air and lubricate with a silicon-based oil spray, according to the device's instructions for use. • SAFETY CATCH - Check that the safety catch can move without impediment. Make sure there is not dirt in the slot of the safety catch and, if present, remove it. Check the spring is functioning correctly to automatically close the safety catch. If necessary, clean it with compressed air and lubricate with a silicon-based oil spray, according to the device's instructions for use. • SNAPPING CATCH - Check that the snapping catch can move without impediment. Check the spring is functioning correctly to automatically close the snapping catch. If necessary, clean it with compressed air and lubricate with a silicon-based oil spray, according to the device's instructions for use. • MOVABLE SIDE PLATE - Check that the side plate can rotate freely and without sticking. Make sure there is no excess play. If necessary, clean it with compressed air and lubricate with a silicon-based oil spray, according to the device's instructions for use. • LOCKING CAM - Check the cam can move freely and without sticking. Check the return spring is working correctly to automatically return the cam to the rope locking position. If necessary lubricate with a silicon-based oil spray, according to the device's instructions for use.
3.2	<p>LOCKING CHECK</p> <p>Secure a compatible rope to an anchor point. Install the device on the rope as indicated in the instructions for use. Hold the device connector with your right hand and apply downward force. Move the lever to the STAND BY position and recover the free side of the rope, making sure that it moves during recovery and stops when released. Strongly pull the connector down checking that the device remains locked. This check must be carried out using the rope indicated in the device instructions for use.</p>
3.3	<p>SLIDING CHECK</p> <p>Install the device as in point 3.2. Move the control lever to the SPEED CONTROL position. Slowly rotate the lever to check the progressive braking action of the cam on the rope. At the end of the test, pull the lever to the end to check that the EBS system correctly locks the device on the rope. This check must be carried out using the rope indicated in the device instructions for use.</p>

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PHOTO APPENDIX

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Locking cam worn: compare a device with a new cam (left) and one with an extremely worn cam (right).



Safety catch broken.



Part of control handle missing. Check that the product has not undergone exceptional events and that the functionality is not compromised. If not, discard the device.



Movable side plate bent, cam pivot does not engage correctly.



Side plate worn around connector attachment hole.



Safety catch does not automatically return to position.



Snapping catch broken.

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Locking cam does not automatically return to position and cam dirty with encrustations and deposits of foreign material.
🔧 Clean with compressed air, wash with soap and water and lubricate with silicon-based oil spray. If the problem is not completely resolved, scrap the device.