

PERIODIC CHECKING OF PERSONAL PROTECTIVE EQUIPMENT MOUNTAINEERING AND INDUSTRIAL HELMETS / VISORS

DEVICE IDENTIFICATION SHEET

Trademark		Manufacturer	Aludesign S.p.A. Via Torchio 22, 24034 Cisano B.sco (BG) ITALY
Reference standards	EN 397, EN 12492, EN 166		

PARTS IDENTIFICATION

PRIMARY ELEMENTS	Internal and external shell, straps, headband, rivets, stitching and parts for adjusting fit.
SECONDARY ELEMENTS	/
REPLACEABLE PARTS	Head torch clip, ear defender supports, visor, visor supports, padding.

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 EXTERNAL SHELL Check the state of the shell, making sure it is not damaged and that there are no cracks, holes, deformations, wear or traces of chemical substances. Make sure there are no unauthorised stickers. If stickers prevent the visual checking of the shell the helmet shall be declared UNFIT for use.
2.2	CHECKING THE INTERNAL SHELL Check the condition of the polystyrene shell, making sure it is intact, fully adhering to the outer shell, with no cracks, holes, deformation, signs of wear and traces of chemicals.
2.3	CHECKING STRAPS Check the straps. Make sure there are no cuts, abrasions, loose threads, wear, burn marks or traces of chemical substances. Make sure you check as well the parts of straps hidden by buckles, elastic retaining loops, padding or other parts of the system.
2.4	CHECKING STITCHING Check the straps' stitching. Make sure there are no loose or pulled threads, wear, abrasions or traces of chemical substances.

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2.5	<p>CHECKING THE HEADBAND</p> <p>Check the headband, making sure there are no cuts, cracks, wear or traces of chemical substances. Make sure you check as well the parts hidden by padding or other parts of the system.</p>
2.6	<p>CHECKING RIVETS</p> <p>Check that the rivets connecting the straps and the headband are securely fixed to the external shell.</p>
2.7	<p>CHECKING THE PARTS THAT ADJUST THE HELMET'S FIT</p> <ul style="list-style-type: none"> • UNDERCHIN STRAP - Check the integrity of the strap, and that there are no cuts, cracks, wear or traces of chemical substances. If the male strap is broken: the damaged male strap can be replaced. For the inspection of Work Shell model only, uncover the elasticated part near the fastening buckle of the chin strap to verify its integrity. • HEADBAND ADJUSTMENT SYSTEM - Check the integrity of the system, and that there are no cuts, cracks, wear or traces of chemical substances.. The headband adjustment knob may be replaced if damaged. • STRAP RETAINING LOOPS - Check the integrity of retaining loops, and that that there are no cuts, cracks, wear or traces of chemical substances.
2.8	<p>CHECKING THE SYSTEM FOR ATTACHING ACCESSORIES (REPLACEABLE NON-STRUCTURAL PARTS)</p> <ul style="list-style-type: none"> • HEADTORCH CLIP (IF PRESENT) - Check the integrity, the attachment to the shell, and that there are no cuts, cracks, wear or traces of chemical substances. • EAR DEFENDER SUPPORTS (IF PRESENT) - Check the integrity, the attachment to the shell, and that there are no cuts, cracks, wear or traces of chemical substances. • VISOR SUPPORTS (IF PRESENT) - Check the integrity, the attachment to the shell, and that there are no cuts, cracks, wear or traces of chemical substances.
2.9	<p>CHECKING PADDING (REPLACEABLE NON-STRUCTURAL PARTS)</p> <p>Check the condition of the padding. Make sure there are no cuts, abrasions, loose threads or traces of chemical substances. Check also the stitching securing the padding.</p>
3) FUNCTIONAL CHECK	
3.1	<p>FASTENING AND UNDERCHIN ADJUSTMENT</p> <ul style="list-style-type: none"> • The strap should run without sticking through the buckle and retaining loops. • Fasten the buckle and forcefully pull on the straps either side. For EN 12492 helmets, the buckle should not open and the strap should not slip through the buckle while for EN 397 helmets the buckle should open under a force of 15 daN to 25 daN.
3.2	<p>CHECKING HEADBAND ADJUSTMENT</p> <ul style="list-style-type: none"> • Rotate the adjustment knob in both directions to make sure that the headband gets larger and smaller as you turn the knob. • Tighten the regulator and try to lengthen the headband by pulling on either side of the regulator. The headband should remain fixed.

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PHOTO APPENDIX

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General deformation of the shell: material shows signs of having been weakened.



General deformation of the shell: material shows signs of having been weakened.



Point impact damage to shell.



Shell with very clear cuts.



Shell with signs of burning.



Head torch support broken.



Head torch support missing, compromised attachment points for headband and its supporting strap.



Ear defender support on shell is unusable.
🔧 Replace with suitable spare part.

PHOTO APPENDIX

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Visor support broken.

🔧 Replace with suitable spare part..



Female fastening clip broken.



Headband adjustment mechanism has damaged teeth and doesn't stay in position.



Threads unravelling from strap.



Internal polystyrene shell broken in several places.



Visor with cuts and abrasions.



Shell shows impact damage in one place.