

ARIES HELMETS

EN Industrial safety helmet.

MADE IN ITALY
EN 397:2012
EN 12492:2012
EN 50365:2002

Regulation (EU) 2016/425
 Personal Protective Equipment against falls from a height.



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1 TECHNICAL DATA

MODEL	ARIES	ARIES AIR	ARIES TREE	
REF. No.	6X932***	6X929***	6X931***	
SIZE	53 ÷ 63 cm			
WEIGHT	415 g	415 g	400 g	
STANDARDS	EN 12492	-	-	
	EN 397	•	-	
	A	-30° C	-30° C	-
	B	LD	LD	-
	C	440 V a.c.	-	-
EN 50365	• (E)	-	-	
CE	0333*	•	•	

A) Protection against impacts and penetration down to -30° C (EN 397).
 B) Resistance to lateral deformation.
 C) Protection against accidental contact with live conductors up to 440 V AC.
 D) Protection against molten metal splash.
 E) Class 0: for electrical installation with nominal voltage up to 1000 V a.c. and 1500 V d.c.
 *Number of the organism intervening during the production control phase.

2 MATERIALS

(A) LAMP ATTACHMENT CLIPS	PA
(B) SHELL	ABS
(C) PADDING	PES/PU/PA
(D) WEBBING	PES
(E) HEADBAND	PA

3 MARKING

3.1 - ARIES AIR (6X929) / ARIES TREE (6X931)

3.2 - ARIES (6X932)

3.3

4 NOMENCLATURE

4.1 - ARIES (6X932) 4.2 - ARIES AIR (6X929)

4.3 - ARIES TREE (6X931) 4.4

5 CLOSURE / HEADBAND ADJUSTMENT

5.1 5.2 5.3 5.4
 5.5 5.6 5.7

6 OPTIONAL ACCESSORIES / SPARE PARTS

6.1 - HEADLAMP 6.2 - VISOR A / VISOR A-F 6.3 - CHIN STRAP / HEAD STRAP
 6.4 - PADDINGS 6.5 - EARMUFFS COMPATIBILITY

7 WARNINGS

7.1 OK! 7.2 ~~!~~
 7.3 OK! 7.4 ~~!~~
 7.5 - ARIES / ARIES AIR 7.6 - ARIES TREE

-22 ÷ +122°F -4 ÷ +95°F
 -30 ÷ +50°C -20 ÷ +35°C

5.8 - SAFETY BUCKLE (ONLY 6X929 / 6X932 MODELS)

15 ÷ 25 daN

8 PADDINGS MOUNTING

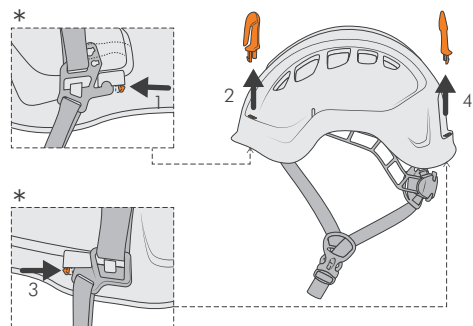
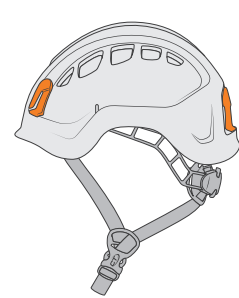
8.1 8.2
 8.3 8.4
 8.5
 8.6

9 VISOR MOUNTING

9.1 9.2 9.3 9.4 - VISOR UP 9.5 - VISOR DOWN

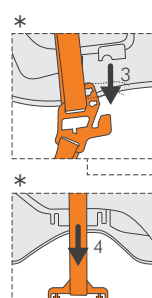
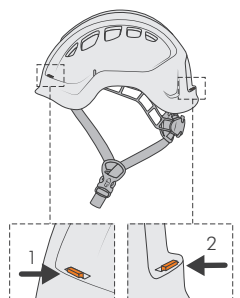
IST141-6X929CTISO_rev.2.06-20

10 CLIPS, CHIN STRAP AND HEAD STRAP REPLACING

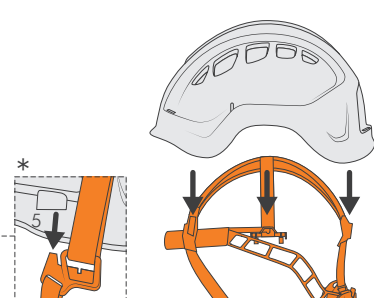
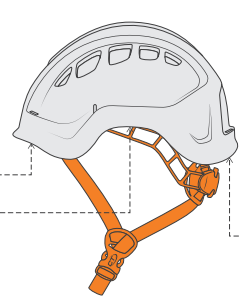


10.1 - REMOVAL OF CLIPS

*Turn the helmet upside down to operate inside it.

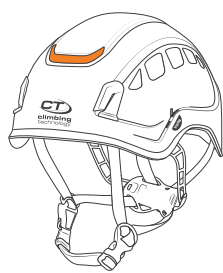


10.2 - REMOVAL OF CHIN STRAP AND HEAD STRAP

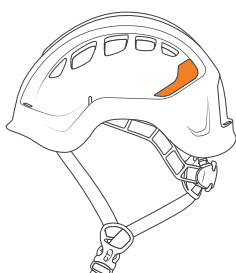


*Turn the helmet upside down to operate inside it.

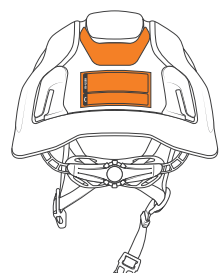
11 REFLECTIVE STICKERS PLACEMENT



11.1 - FRONT STICKER

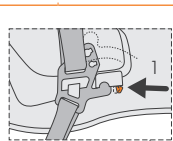


11.2 - SIDE STICKERS

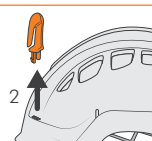


11.3 - BACK STICKERS

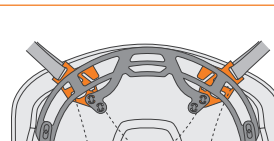
12 CHANGE HEAD STRAP POSITION



12.1 - REMOVAL OF FRONT CLIPS



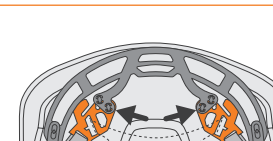
12.2 - REMOVAL OF FRONT HEAD STRAP



12.3 - HIGHER POSITION



12.4 - ROTATE THE PLATES

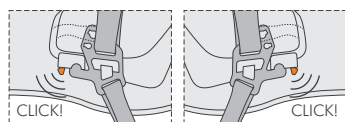


12.5 - CHANGE POSITION

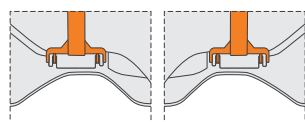
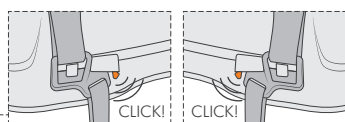
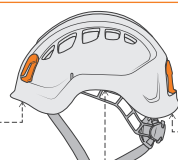


12.6 - LOWER POSITION

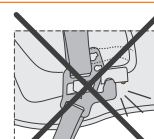
13 CHECK THE CORRECT ASSEMBLY



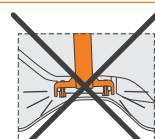
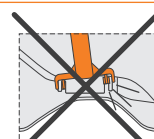
13.1



OK!



13.2



NO!

14 ACCESSORIES / SPARE PARTS

DESCRIPTION	REF. No.
VISOR A (EN166:2004)	6X9300A
VISOR A-F (EN166:2004)	6X9301A
CHIN STRAP / HEAD STRAP EN 397	6X929KIT01
CHIN STRAP / HEAD STRAP EN 12492	6X931KIT01
PADDINGS	6X929KIT02
LAMP ATTACHMENT CLIPS	6X929KIT03
REFLECTIVE STICKERS	6X929KIT04
ID USER LABEL	LABELID

ENGLISH

The instruction manual for this device consists of general and specific instructions, both must be carefully read and understood before use. **Attention!** This leaflet shows the specific instruction only.

SPECIFIC INSTRUCTIONS EN 397 / EN 50365 / EN 12492. This note contains the necessary information for a correct use of the following product/s: helmets Aries, Aries Air and Aries Tree (Fig. 1). Aries helmet complies with EN 397 and EN 50365 standards and it has been developed for the protection against falling objects and electrical hazards in the industry (rope-access work,

work at height and in building sites). Aries Air is a ventilated helmet compliant with the EN 397 standard, developed for the protection against falling objects in the industry (rope-access work, work at height and in building sites). Aries Tree is a ventilated helmet compliant with the EN 12492 standard, developed for mountaineering, tree climbing and mountain rescue services.

1) FIELD OF APPLICATION. This product is a personal protective device (PPE.); it is compliant with the Regulation (EU) 2016/425. EN 397:2012- Industrial safety helmets. The EN 397 standard also provides the following optional requirements (Fig. A, point N): A) Protection against impacts and penetration down to -30°C; B) Resistance to lateral deformation; C) Protection against accidental contact with live conductors up to 440 V AC; D) Protection against molten metal splash. EN 50365:2002- Electrically insulating helmets for use on low voltage installations. EN 12492:2012- Mountaineering equipment: helmets for mountaineers. **Attention!** Check standards and optional requirements your helmet meets (Fig.1). **Attention!** For this product a periodic thorough inspection is compulsory (general instructions / paragraph 8). **Attention!** As per Regulation EU, Aries model is a Category III PPE: as a consequence, the production of such PPE is subject to annual inspection and the marking shows the identification number of the notified body involved in the procedure.

1.1 - Strength of the chinstrap. The EN 12492 standard requires the chinstrap to have a strength of 50 daN to help keep the helmet on the head in case of a fall. The EN 397 standard, instead, requires the chinstrap to have a strength between 15 daN and 25 daN to help reduce the risk of strangulation.

2) NOTIFIED BODIES. Refer to the legend in the general instructions (paragraph 9 / table D): M5; N1.

3) NOMENCLATURE (Fig. 4). A) Outer shell. B) Ventilation holes. C) Clips for headlamp mounting; D) Fastening straps; E) Adjustment chinstrap routing elements; F) Headband; G) Chinstrap fastening buckle; H) Buckle for automatic release between 15 and 25 daN. I) Slots for fitting the visor. L) Slots for mounting plug-in ear defenders. M) Headband adjustment dial. N) Label. O) Padding. P) Occipital mesh.

3.1 - Main materials. Refer to the legend in the general instructions (paragraph 2.4): 7; 8; 9; 10. Legend of parts (Fig. 2): A) Clips for headlamp mounting; B) Shell; C) Padding; D) Straps; E) Headband.

4) MARKING. Numbers/letters without caption: refer to the legend in the general instructions (paragraph 5).

4.1 - General (Fig. 3). Indications: 1; 2; 3; 4; 6; 7; 8; 11; 12; 18; 30) Statement indicating that the equipment meets the optional requirement of EN 397 or EN 12492 standards for the protection against impacts and penetration down to -30°C; 31) Product weight; 32) Statement indicating that the equipment meets the optional requirement of the EN 397 standard for resistance to lateral deformation; 33) Statement indicating that the equipment meets the optional requirement of the EN 397 standard for the protection against accidental contact with live conductors that may reach up to 440 V AC; 34) Statement indicating that the equipment meets the optional requirement of the EN 397 standard for the protection against molten metal splash; 35/36) Symbol and statement indicating that the equipment meets the optional requirement of the EN 397 standard for the protection against electrical hazards; 37/38) Area to be filled out with device identification.

4.2 - Traceability (Fig. 3). Indications: T2; T8; T9.

5) CHECKS. Further to the checks listed below, comply with what indicated in the general instructions (paragraph 3). **Before each use, verify that:** all parts of the device

are intact, they are not damaged and are correctly fixed together. **Attention!** Following a violent impact, internal damage to the helmet can be present which is not visible to the naked eye. This can substantially reduce the helmet's strength and energy absorbing capacity: for this reason the helmet must always be substituted after a violent impact.

6) ISTRUCTIONS FOR USE. To ensure adequate protection, the helmet must be the right size and adjusted to fit the user's head (Fig. 5). **Attention!** Do not use a helmet if it cannot be adjusted correctly. If this happens, substitute it with a different size/ different model helmet.

6.1 - Positioning and adjustment. Open the headband by turning its adjustment knob (Fig. 5.1) and position the helmet on your head so that the headband adjustment knob is on the nape of the neck (Fig. 5.2). Rotate the adjustment knob to increase or reduce the circumference, until you reach the optimum size (Fig. 5.3-5.4). Adjust the vertical position of the headband by sliding it up or down along the straps. Slide the underchin forwards-backwards adjustment separators along the strap so that the helmet fits perfectly (Fig. 5.5). The separators should be positioned to be below the user's ears. Close the quick-release buckle: you hear a "click" when the buckle is correctly closed (Fig. 5.6). Tighten the underchin strap to make the helmet fit more snugly. To check that the buckle is correctly closed, pull on the underchin strap as shown (Fig. 5.7). To remove the helmet, push the side tabs of the closing buckle. **Attention!** If needed, the height of the headband can be adjusted into two different positions, as per instructions (shown in Fig.12). **Attention!** Make sure that there are no slack sections of strap between the adjustment system and the shell (Fig. 7.1÷7.4). Correct adjustment of all straps ensures improved comfort during use and avoids the helmet accidentally falling off:

lateral and forwards and backwards movement must be minimised.

7) GENERAL WARNINGS. These helmets protect the user's head from objects falling from above and from impact against obstacles. Wearing the helmet reduces considerably risks derived from activities at height but does not completely eliminate them and therefore the user should always behave prudently and with awareness of the consequences of their actions. If impacts are more violent than those of the standards for which the helmet has been developed and homologated, the helmet will deform to absorb the maximum possible amount of energy, with extreme loading resulting in possible breakage of the helmet.

7.1 - Precautions for use. In compliance with the safety standards it has been built according to, the helmet may be subject to damages if high compression forces are exerted on it. It is therefore absolutely necessary to avoid: subjecting the helmet to impacts on purpose, for any reason whatsoever; using the helmet to sit on it; pressing the helmet into a backpack or trying to get it to fit into a backpack that is already much too full.

8) EN 50365 WARNINGS. The Aries model complies with the EN 50365 class 0 standard, for the protection against electrical hazards: maximum rated voltage 1500 V DC or 1000 V AC. Before each use: make sure that the rated voltage detected in the work environment does not exceed the limits indicated above. Attention: the electric protection provided by the helmet may be reduced due to ageing, mechanical or chemical damages, improper cleaning or particular conditions while in use (e.g. use in rain or snow); an insulating helmet cannot be used on its own: it is essential to also use other protective insulating equipment accordingly to the risks associated with the work; an insulated helmet should not be used in any situation where there is a risk of partially reducing its insulating properties.

9) STORAGE / TRANSPORT / CLEANING. In addition to the instructions given below, comply with what is stated in the general instructions (paragraphs 13-14). The device is normally delivered packed in a cardboard box with the manufacturer's identification label. **Attention!** Transport and storage conditions are an important factor for maintaining the electrical and mechanical performance of the device. **Attention!** Store at a temperature between 5°C and 35°C. **Attention!** If the device becomes dirty or contaminated (oil, tar, paint etc.), the external surface must be cleaned thoroughly in accordance with the instructions (general instructions / paragraph 13).

10) REPLACEMENT PARTS / ACCESSORIES (Fig.14). This product is compatible with the following accessories: hear protections with quick hooking, headlamps. **Attention!** Check their compatibility before use. This product is compatible only with the spare parts and specific accessories listed below: visors VISOR A (Ref. No. 6X9300A), VISOR A-F (Ref. No. 6X9301A); head and rear padding (Ref. No. 6X929KIT02 internal webbing suspension system / occipital strap / headband (Ref. No. 6X929KIT01 / 6X931KIT01); clips for headlamp mounting (Ref. No. 6X929KIT03); reflective stickers (Ref. No. 6X929KIT04).

10.1 - Installing the visor. Install and remove Visor A and Visor A-F bearing in mind the shown insertion / extraction direction (Fig. 9.1÷9.3). The visor can be kept in two positions: up (Fig. 9.4) or down (Fig. 9.5).

10.2 - Replacing the internal webbing suspension system. 1) Remove the headlamp clips using each internal catch and pulling them out as shown (Fig. 10.1). 2) Remove from the internal clips, front and back, acting over each external catch, and pulling out as shown (Fig. 10.2). 3) Remove from the central internal clips pulling out as shown (Fig. 10.2). 4) Replace the internal webbing suspension system using a spare one and inserting front, rear and central clips into the shell until they engage into position. 5) Insert the clips for headlamp mounting (previously removed or a replacement) into their dedicated slots until they engage into position. **Attention!** Make sure that all clips are correctly installed, as shown (Fig. 13).

10.3 - Replacing headlamp clips. Follow instructions of paragraph 10.2 points 1 and 5.

10.4 - Padding installation / replacement. (Fig. 8) Carry out the installation as shown.

