

# ARC 8 HELMET

## ELECTRICALLY INSULATED SAFETY HELMET WITH INTEGRATED ARC FLASH FACE SHIELD - 8.0 CAL/CM<sup>2</sup>

### ELECTRICALLY INSULATED SAFETY HELMET - PART NO. ARC 8 HELMET

Electrically Insulating Safety Helmet with integrated face shield. Helmet has an in-use lifetime of up to 48 months.  
Protection against electric arc flash ATPV=8 cal/cm<sup>2</sup>.

#### Helmet Features:

- Force Transmission (tested after conditioning in temperatures of (-18°C and +49°C))
- Apex penetration (tested after conditioning in temperatures (-18°C and +49°C))
- Resistance to flame
- Protection against electrical shock (class G)
- Slider adjustment for loosening or tightening on the head

**Class 2**  
**8 cal/cm<sup>2</sup>**

### ARC FLASH FACE SHIELD - 8.0 CAL/CM<sup>2</sup>

Polycarbonate face shield with Anti-Fog and Anti-Scratch coating. This face shield fully retracts into the helmet when not in use to protect it from damage and features a unique chin piece to protect the chin in an ARC Flash hazard.

#### Face Shield Features:

- Spherical and astigmatic power, prism and prism imbalance, resolving power and scattered light – within tolerances to the extent allowed by the standard
- Resistance to high mass impact – pointed projectile weighing 500g (17.6 oz.) dropped from a height of 127 cm (50.0 in.)
- Resistance to high velocity impact – steel ball diameter of 6.35 mm (0.25 in.) at the velocity 91,44 m/s (300 ft/s)
- Resistance to penetration – needle with a weight 44.2g (1.56 oz.) dropped from a height of 127 cm (50.0 in.)
- Resistance to drop ball impact – steel ball a diameter of 25.4 mm (1 in.) dropped from a height of 127 cm (50.0 in.)
- Resistance to fogging and resistance to ignition
- Resistance to UV radiation – symbol U6
- Protection against thermal hazards of an electric arc – ATPV = 8 cal/cm<sup>2</sup>



#### In accordance with:

EN 61482-1-2 - ANSI/ISEA Z89.1-2014 - ANSI/ISEA Z87.1-2015 - ASTM F2178-12

#### Available colours:

White - Other colours on request



#### Tested and certified according to:



EN 61482-1-2  
(7KA)

EN397

EN 397

EN 50365

EN 50365

GS-ET-29

GS-ET-29

EN 166

EN 166



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**POWERPOINT  
ENGINEERING**  
ELECTRICAL TEST, MONITORING & SAFETY EQUIPMENT

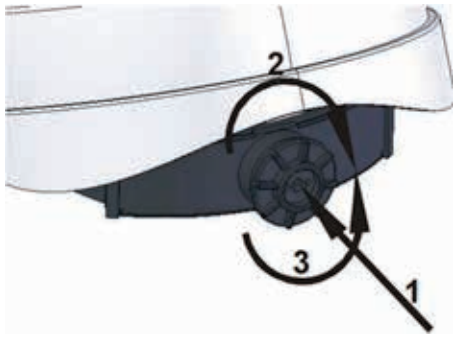
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Working life of the helmet is 48 months from the date of manufacture. **DISPOSE OF THE HELMET IN CASE OF SURGE, CRACKS OR DAMAGE.** None of the helmet elements can be removed or tampered with. Do not use paints, acids or any self-adhesive labels unauthorized by the manufacturer.

## ADJUSTMENTS

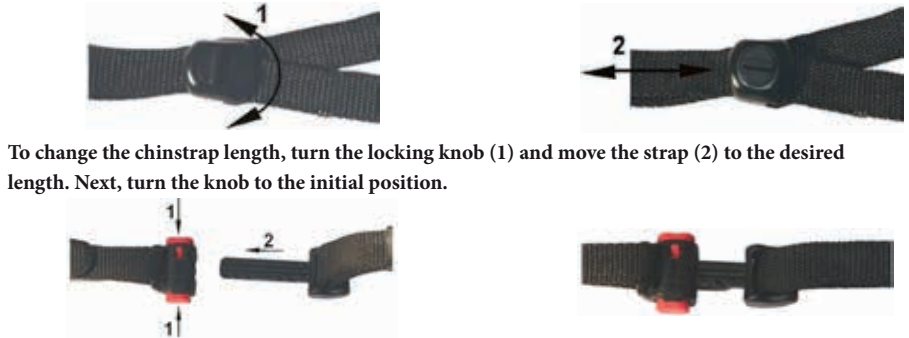
The helmet must properly fit the head. To adjust the helmet to the head circumference, set the chinstrap length and the helmet height accordingly. The helmet can be adjusted stepwise every 2 mm to fit the scalp within the range of 53 – 63 cm, and is equipped with a three-step adjustment of the helmet height.

### Helmet Size Adjustment



Press the knob (1) to loosen (2) or tighten (3)

### Chinstrap Strap Adjustment



To change the chinstrap length, turn the locking knob (1) and move the strap (2) to the desired length. Next, turn the knob to the initial position.

Press the clip on both sides, insert the strap piece (2) into the snap fastener of the strap, and release the fastener clips.

## STORAGE & TRANSPORTATION

The helmet must be stored and shipped in a separate transport bag. Store far from sources of heat. Protect against mechanical damage and sunlight (UV). Do not place the helmet directly next to room and vehicle windows.

## CLEANING

Clean with water and soap. Dry after cleaning. Replace sweat cloth if used up. Do not use solvents and detergents for cleaning. To clean the surface of visor use microfiber cloth.

## ROUTINE TESTS AND INSPECTION BEFORE USE

The inspection should be done each time before commencement of work.

The inspection is aimed at checking:

- lack of visible defects in the shell of a helmet
- lack of visible defects in the shell of a helmet
- correctness of operation of head girth regulation
- correctness of operation of under-chin fastening strap service life

Damaged (mechanical damage of the shell or incorrect operation of head girth regulation or underchin fastening strap) or dirty helmet cannot be used for live working. Dry thoroughly before use. Damaged (cracks, scratches, punctures, fogging) or dirty shield cannot be used for live working and must be replaced. Please note the service life of the shield which is impressed on the helmet. After this period the shield should be taken out of service and utilized.

## FACE SHIELD OF ELECTRICALLY INSULATING HELMET



## DESCRIPTION & CONSTRUCTION OF THE SHIELD

The face shield has an internal layer resistant to fogging. The face shield protects the user against an electric arc (ATPV=8 cal/cm<sup>2</sup>). The face shield has resistance to drop ball impact, high mass impact, high velocity impact, penetration and ignition. It is also fitted with a UV-filter. Put the helmet on

and adjust its size. Next, grab the eyeshade and gently pull the shield down. Then slide the neck shield toward the chin. Opening the face shield in an abnormal manner (otherwise than as described in the manual) can result in the rapid wear or damage.

## WARRANTY

The manufacturer's warranty is 24 months. Does not cover improper usage, alterations or modifications, improper storage or accidental damage.

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