



**HELMET WITH INTEGRATED FACE SHIELD,  
CHIN CUP, AND NECK PROTECTION,  
FLASH ARC CLASS 2 & ATPV 14 cal/cm<sup>2</sup>  
MO-180-ARC12**



**Electrician's helmet with integrated face shield and chin cup  
Insulating shell up to 20 kV (ANSI Z89.1)  
Arc flash Class 2 (IEC 61482-1-2/GS-ET-29) and ATPV 14 cal/cm<sup>2</sup> (ASTM  
F2178)**

## TECHNICAL FEATURES

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- Protection of the head against mechanical shocks.
- Insulating shell up to 20 kV (ANSI Z89.1) - 7.5 kV (IEC).
- High density polypropylene shell.
- Protective face shield: resistance to the energy and heat of the electric arc - ARC FLASH protection class 2 and ATPV 14 cal/cm<sup>2</sup>.
- Light grey panoramic screen in anti-fog treated polycarbonate, thickness > 1.4 mm.
- Screen completely retractable inside the helmet. Easy handling, even with gloves.
- Removable and washable neck protection.
- Adjustable textile chinstrap, with four fixing points for the passage of the ears and very easy closing by "clip" manipulated with gloves.
- Adjustable size from 52 to 64 cm with a thumbwheel, easy to handle with gloves.
- Six-point textile headgear with height adjustment (5 mm intervals).
- Recommended use of 5 years.



Chin strap



Fastening clips of the chin strap



Adjustable ratched



6 points headgear



Adjustment of the height of the headgear

## WEIGHT

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- Weight: 800 gr

## STANDARD

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- **Shell :**



- EN 397/A1 440V: protective helmet for industry with requirements for electrical properties.
- EN 50365 class 0: electrically insulating protective helmet for use on LV installations.
- Classe E 20 kV selon ANSI Z 89.1: industrial helmet and insulators.

- **Face shield:**

- IEC 61482-1-2 / GS-ET-29 APC 2: Protection against electric arc of short-circuit and class 2 transmission (Light transmission value: 43%).
- ASTM F2178 : ATPV 14 cal/cm<sup>2</sup>
- EN 166 / EN 170: personal eye protection
  - Transmittance and step number 2C-2. (UV protection)
  - Optical class: 1
  - Protection against particles thrown at high speed: symbol B (medium energy impact: 120 m/s)
  - Protection against droplets and liquid projections: symbol 3
  - Protection against electric arc from short circuit: symbol 8
  - Arc flash protection according to GS-ET-29 (7 kA ~ 423 kJ/m<sup>2</sup> open box test)
  - Light transmission class (50% < VLT) according to GS-ET-29

## OPTIONAL ACCESSORIES

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**M-87384:** Cotton protective cover



**MO-180-ARC12-VISOR :** Replacement face shield

Easy replacement of the face shield if it is damaged, thanks to a screw system that can be handled without tools.

**MO-180-ARC12-CC :** Spare neck protection cover.

Easy replacement of the neck cover if it is damaged or if it needs to be washed, thanks to a Velcro system adapted to the flash arc risk.

**M-881838 :** Red and white Velcro for helmet for identification of the worker in charge.



**M-883158 :** Red and yellow Velcro for helmet for identification of the in charge of works and lock out.



**M-882671 :** Chinstrap + spare cap with chin strap.



**M-881836 :** Replacement padded headband.



**MS-124/2 :** LED headlamp with special helmet holder.

