

Heavy Duty Helmet & Visor **Electric Arc protection to 1,500 VDC** **Part No: HVE8282**



Product specifications

ABS dual shell safety helmet with PC retractable visor. Sport and dynamic design. 3 textile straps with 6 fixing points. The harness consists of a foam disc and a pad at the back to ensure better comfort when wearing the helmet. Foam sweat band. Adjustable: head size 53 to 64 cm with One-D Rotor clamping system. 2 possible positions of the headband (top/low) for a better comfort. Retro-reflective stickers. Electrical insulation up to 1 000 V.A.C. or 1 500 V.D.C, protection against arc fault Class 1 (GS-ET 29). Visor with anti-Fog N and anti-scratch K treatments and protection against electrical arcs, molten metals and hot liquids projections.

ABS Dual-Shell.

Visor: Polycarbonate.

Harness: Textile lining: polyester. Sweat band+disc+pad: polyurethan foam. Anchorage: POM + HDPE + ABS.

Headband: Polypropylene.

COLOUR

White, Fluorescent yellow

SIZE

Adjustable

Product Use - Risks



Heat



UV / IR



Electrical



Shock

Building

Finishing works-Craftsmanship

Public works

Wind Energy

Electricity, gas and water supply

Maintenance

Oil & Gas (extraction)

Product Features and Benefits



Balanced centre of gravity

For a prolonged use
Reduction of musculoskeletal disorders (MSDs)



Comfortable distance between the visor and the user's face

Good ventilation, prevents fogging
Compatible with glasses



Easy locking of the visor in two positions

Optimum safety : The visor does not rise or fall unexpectedly



Optimised visor grip area

Guaranteed use and manoeuvrability with or without gloves



Lateral reflectivity

For more visible workers



One-D Rotor ergonomic clamping system

One-handed adjustment with or without gloves



ABS double shell

Improved robustness, resistance to lateral deformation: increased protection



Replaceable visor

Easy replacement of damaged visors



Clips to hold a headlamp

Designed to attach a headlamp with an elastic headband

Polyamide cap : 3 textile headbands with 6 attachment points and adjustable headband in high or low position

Better weight distribution in the case of shock and guaranteed user comfort



Microfibre storage bag

Easy storage for a longer product life

Integrated visor

Compact and combined solution

A modern design inspired by the world of sport offering dual protection for harsh work

A modern design inspired by the world of sport offering dual protection for harsh work environments and electric hazards at a price accessible to all users.



The challenge in the development of ONYX was to obtain a compact and easy to use product while keeping a comfortable distance between the face and the visor in low position. We managed this with an average of over 2 cm between the user's nose and the visor. The simplicity of use is at the meeting: no spring or complicated locking system for the kinematics of the visor.

Isabelle DUPUIS, Head Protection Product Expert

EUROPEAN STANDARD : EN166 - 8
GS-ET 29
Class 1 : 4 kA - 155 kJ.m² (3.7 cal.cm²)



Anti-mist N



Anti-scratch K



UV400

Certifications and Standards



REGULATION (EU) 2016/425

EN397:2012 + A1:2012 Protective helmets for industry

MM: Molten metal spray

LD: Lateral deformation

-20°C +50°C: Use : Very low temperature - -20°C / +50°C

440VAC: Electric insulation



EN50365:2002 Electrically insulating helmets for use on low voltage installations

CLASS 0: Electrically insulating helmets - Class 0

EN166:2001 Personal eye-protection - Specifications

1 AT 8-1-0 9 KN: Oculars

3 8-1 9 AT: Frame

EN170:2002 Ultraviolet filters

2C-1.2: echelon



GS-ET 29:2011-05 Additional requirements electric arc protection.

8-1-0: Oculars

CLASS 1: Class

CLASS 0: Light transmittance class = Class 1 : ($50\% \leq \text{VLT}(D65) < 75\%$) / Class 0 : ($\text{VLT}(D65) \geq 75\%$).

8-1: Frame

USA STANDARDS

ANSI-ISEA Z89.1:2014 American National Standards Institute- Industrial Head protection - Hard Hat Types and Class Standards



CLASS E Class E: Electrical protection class => Class E: Electrical (proof-tested at 20.000V)

TYPE I Type 1: Type of impact protection : TYPE #: Impact top of the head + Flammability + Penetration

53-63 cm: Sizes / Dimensions



ANSI-ISEA Z87.1:2015 American National Standards Institute - Occupational and Educational Personal Eye and Face Protection Devices

Z87+ U6 D3: Performances

Item details

Item details	Bar code	COLOUR	SIZE	□	□
ONYX2BJ	3295249282509	White	Adjustable	6	-
ONYX2JA	3295249286828	Fluorescent yellow	Adjustable	6	-