


H058S-2 ARC-E40HT Electrically Insulating Safety Helmet with Integrated Face Shield to 20 kV AC / 1,5 kV DC
PHOTOS


Product compliant with the requirements of EN 397:2012+A1:2012, EN 50365:2002, EN 166:2001, EN 170:2002, GS-ET 29:2019-06, ASTM F2178/F2178M-20, ANSI/ISEA Z89.1:2014

HEAD PROTECTION		FACE PROTECTION	
EN 397 Industrial safety helmets		EN 166 Eyes protection	
Range of head circumference adjustment	53-63 cm 20 7/8 - 24 5/8 inch	Optical class	2
Resistance to lateral deformation	LD	Resistance to impact of high velocity and medium energy particles	B
Resistance to projected droplets of molten metal	MM	Protection against projected liquid	3
Electric insulation	440 Vac	Protection against short circuit electric arc	8
Resistance to very low temperatures	-40 °C	Protections against projected molten metal and hot solid objects	9
EN 50365 Electrically Insulating Helmet		Resistance to fogging	N
Indicates a product intended for work on live equipment		GS-ET 29 Electric arc protection	
Electrical class – Class 0	Klasa 0 (1000 V AC / 1500 V DC)	Electric arc protection (7kA/0,5s)	Box test Class 2
ANSI/ISEA Z89.1 Head Protection		Visible light transmittance VLT	< 50% Class 2
Helmet type	Type I	ASTM F2178 Electric arc protection	
Electrical class	Class E (20 000 V)	ATPV arc thermal protection value	36 Cal/cm2
Lower temperature (-30 °C)	LT	EN 170 UV filter	
Higher temperature (+60 °C)	HT	Protection level of the UV filter	2C-2
Lifetime: 60 months			
Weight: 790 g			

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Product code	Colors
H114.BSEx	blue
H114.GSEx	green
H114.HSEx	yellow Hi-Vis
H114.OSEx	orange
H114.RSEx	red
H114.WSEx	white
H114.YSEx	yellow

Product code	Adapters
H114.xSEO	without adapters
H114.xSE2	with adapters G113.1116

CHARACTERISTICS

Helmet made of ABS, additionally equipped with a face shield with visor made of polycarbonate with a thickness of 1,9 mm. The face shield provides protection against threats caused by the action of an electric arc. The helmet is adjustable in 3 mm increments for 53–63 cm head circumference and offers two-point height adjustment. The helmet has a four-point chinstrap attachment system, recommended for work at height. Helmet provides protection against electric shock. Chin strap is equipped with a quick buckle, easy to use in protective gloves.

APPLICATION

The helmet is designed to protect the head against mechanical shock and head and eyes against electrical hazards that occur during live working and work at height. The helmet is resistant to lateral deformation and splashes of molten metal. Face shield protects the eyes against the effects of UV radiation (code 2C-2), liquid splashes and against projected molten metal and hot solid objects and electric arc, which may occur during live working and while performing switch over operations. The face shield is also resistant to impact of high velocity and medium energy particles. The visor of the face shield has an internal coating for protection against fogging and an outer scratch resistant. The visor has a light transmission factor of VLT < 50%.

STORAGE AND MAINTENANCE

The helmet must be stored and transported in a special transport bag or other protective packaging. During storage or transport, the face shield should be hidden inside the helmet.

Keep the helmet away from any sources of heat. Protect the helmet against mechanical damage, compression, sunlight (UV), humidity, exhaust gases, etc. Do not place the helmet in direct vicinity of windows or car windows. The recommended storage temperature is 20±15 °C.

The hard hat and face shield should be cleaned after each use, which enables precise control and prevents skin irritation of the user. The hard hat should be cleaned only with soap and water. **Do not use any solvents, detergents, and abrasives for cleaning.** The sweatbands must be regularly replaced.

The face shield should be cleaned only with soap and water. After washing, dry the shield properly. To clean the surface of face shield visor, use a microfiber cloth, attached to each helmet.

EXAMINATION

Check the helmet before each use and have it inspected once a year. In the former case check that:

- no visible damage of the helmet shell,
- correct operation of the adjustment of the head circumference,
- correct fastening of the chin strap,
- no visible damage of the face shield,

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- correct operation of the face shield,
- the helmet is not past its design lifetime.

In the event of detection of mechanical (cracks, deep scratches, etc.) or chemical (discoloration, fading, etc.) damage to the shell, damage to the harness, malfunction of the head circumference adjustment, defective fastening, fastening or damage to the chinstrap, as well as mechanical (cracks, deep scratches, holes), or chemical (discoloration, tarnishing, etc.) damage to the face shield or its malfunction or in case of doubts as to ensuring the optimal level of protection, the helmet should be withdrawn from use.

The lifetime of the helmet with face shield is 60 months from the date of manufacture. After the lifetime, the helmet must be withdrawn from use and disposed of.

A dirty helmet cannot be used in live work.

If it is wet or moist, dry it thoroughly before use.

FREQUENCY TESTS

For check and periodic inspection to be carried out in according to table.

	CHECK	PERIODIC INSPECITON
Who	Team Leader / Foreman	Supervision Inspector
When	Before each use	Annually*
How	Visual check	Visual check

*Unless instructions say otherwise