

**H058S-1 ARC-W1 (ABS) 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-29:2010, ANSI/ISEA Z89.1:2014 standards.

HEAD PROTECTION		FACE PROTECTION	
EN 397 Industrial safety helmets		EN 166 Eyes protection	
Range of head circumference adjustment	<b>53-63 cm</b> <b>20 7/8 - 24 5/8 inch</b>	Optical class	<b>1</b>
Resistance to lateral deformation	<b>LD</b>	Resistance to impact of high velocity and medium energy particles	<b>B</b>
Resistance to projected droplets of molten metal	<b>MM</b>	Protection against projected liquid	<b>3</b>
Electric insulation	<b>440 Vac</b>	Protection against short circuit electric arc	<b>8</b>
Resistance to very low temperatures	<b>-40 °C</b>	Protection against projected molten metal and hot solid objects	<b>9</b>
EN 50365 Electrically Insulating Helmet		Resistance to damage by fine particles	<b>K</b>
Indicates a product intended for work on live equipment		Resistance to fogging	<b>N</b>
Electrical class – Class 0	<b>Klasa 0</b> <b>(1000 V AC / 1500 V DC)</b>	EN 170 UV filter	
ANSI/ISEA Z89.1 Head Protection		Protection level of the UV filter	<b>2-1,2</b>
Helmet type	<b>Type I</b>	GS-ET 29 Electric arc protection	
Electrical class	<b>Class E</b> <b>(20 000 V)</b>	Electric arc protection (4kA/0,5s)	<b>Box test Class 1</b>
Lower temperature (-30 °C)	<b>LT</b>	Visible light transmittance VLT	<b>&gt;75% Class 0</b>
Higher temperature (+60 °C)	<b>HT</b>		
<b>Lifetime: 60 months</b>			
<b>Weight: 710 g</b>			

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Product code	Colors
F111.BSEx	blue
F111.GSEx	green
F111.HSEx	yellow Hi-Vis
F111.OSEx	orange
F111.RSEx	red
F111.WSEx	white
F111.YSEx	yellow

Product code	Adapters
F111.xSEO	without adapters
F111.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 1,5 mm. The helmet is adjustable in 1 mm increments for 53–63 cm head circumference and offers two-point height adjustment. Helmet provides protection against electric shock. It is available with transparent visor and white, yellow, yellow hi-vis, blue, red, or green (or any other custom color) shell of helmet.

### 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 2-1,2), liquid splashes and molten metal, hot solids, 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. Face shield has an internal coating for protection against fogging and an outer scratch-resistant and resistance to damage by fine particles. The visor has a light transmission factor of VLT >75%.

### 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,
- no visible damage of the face shield,
- the cradle can be easily adjusted for size,
- the chin strap latch operates correctly,
- the helmet is not past its design lifetime.

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Do not use the helmet in a live working if any component (shell, face shield, adjustment devices, or chin strip) is damaged or out of order or if the helmet is dirty. If it is wet or moist, dry it thoroughly before 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.

**FREQUENCY TESTS**

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

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

\*Unless instructions say otherwise