

H058E00, H058E0, H058E1 and H058E2

Electrically insulating safety helmets

PHOTOS



Product design and testing in accordance with standards:
EN 397: 2025, EN 50365: 2023, ANSI/ISEA Z89.1-2014;
EN IEC 62819:2023 for sets with integrated face shield ARC-E40HT

EN 397:2025 Industrial safety helmets			
Helmet type		T1	
Head circumference adjustment range		53–63 cm 20 ⁷ / ₈ – 24 ⁵ / ₈ in	
Resistance to molten metal splashes		MM	
Protection at very low temperature		–40 °C	
EN 50365:2023 Electrically insulating helmets			
Helmet type		B (peakless / without brim)	
Intended for live working			
	Helmet model	Electrical class	Max. use voltage
Electrical parameters	H058E00	00	500 V AC / 750 V DC
	H058E0	0	1,000 V AC / 1,500 V DC
	H058E1	1	7,500 V AC
	H058E2	2	17,000 V AC
ANSI/ISEA Z89.1–2014 Head protection			
Helmet type		Type I	
Electrical class		Class E	
Lower temperature protection (–30 °C)		LT	
Higher temperature protection (+60 °C)		HT	
Service life: 60 months (from date of entry into service)			
Weight: 620 g			

H058E00, H058E0, H058E1 and H058E2

Electrically insulating safety helmets

Helmet model	Product code	Colour
H058E00	H058.BSDx	blue
	H058.GSDx	green
	H058.HSDx	Hi-Vis yellow
	H058.OSDx	orange
	H058.RSDx	red
	H058.WSDx	white
	H058.YSDx	yellow
H058E0	H058.BSEx	blue
	H058.GSEx	green
	H058.HSEx	Hi-Vis yellow
	H058.OSEx	orange
	H058.RSEx	red
	H058.WSEx	white
	H058.YSEx	yellow
H058E1	H058.BSFx	blue
	H058.GSFx	green
	H058.HSFx	Hi-Vis yellow
	H058.OSFx	orange
	H058.RSFx	red
	H058.WSFx	white
	H058.YSFx	yellow
H058E2	H058.BSGx	blue
	H058.GSGx	green
	H058.HSGx	Hi-Vis yellow
	H058.OSGx	orange
	H058.RSGx	red
	H058.WSGx	white
	H058.YSGx	yellow

Kod produktu	Adapters
H058.xSx0	without adapters
H058.xSx2	with G113.1116 adapters

DESCRIPTION

Helmet made of ABS. The helmet features stepped head circumference adjustment in 2 mm increments and two-position wearing height adjustment. It features a 4-point chin strap attachment system, recommended for work at height. The helmet provides protection against electric shock. The chin strap is equipped with a Quick-release buckle, easy to operate while wearing protective gloves.

INTENDED USE

The SECRA helmet in models H058E00, H058E0, H058E1, and H058E2 is intended to protect the head against injuries caused by falling objects, while providing protection against electric shock by preventing current flow through the head. It also protects against molten metal splashes. Particularly recommended as personal protective equipment for live working, work at height, and switching operations. Operating temperature range: -40 °C to +50 °C. Helmet design type B – peakless / without brim.

H058E00, H058E0, H058E1 and H058E2
Electrically insulating safety helmets**STORAGE AND MAINTENANCE**

The helmet must be stored and transported in a separate storage bag or container. Keep the helmet away from heat sources. Protect against mechanical damage, compression, and exposure to sunlight, moisture, exhaust fumes, etc. Do not place the helmet directly near room windows or car windshields. Recommended storage temperature: $(20 \pm 15) ^\circ\text{C}$.

The helmet should be cleaned after each use to allow thorough inspection and prevent user skin irritation. Clean the helmet only with water and mild soap. Dry thoroughly after washing. Do not use solvents, detergents, or abrasive materials for cleaning. Heavily worn sweatbands must be replaced with new ones.

PRE-USE CHECK & PERIODIC INSPECTION

Before starting work each time, visually inspect the helmet. The visual inspection includes checking:

- absence of visible defects on the helmet shell,
- proper operation of the head circumference adjustment,
- proper fastening of the chin strap,
- service life.

If mechanical damage (cracks, deep scratches, etc.) or chemical damage (discoloration, fading, etc.) to the shell, damage to the harness, malfunction of the head circumference adjustment, defective fastening, buckling, or damage to the chin strap is detected, or if any doubt arises regarding optimum protection, the helmet must be retired from service.

Periodic inspection consists of a thorough visual check and, where applicable, dielectric testing performed at specified intervals.

Electrically insulating helmets must not be used after 12 months from the date of entry into service unless they undergo a periodic re-inspection.

For Class 00 and Class 0 helmets, only visual inspection is required.

For Class 1 and Class 2 helmets, if required by national regulations or internal company procedures, helmets must undergo routine dielectric proof testing in accordance with clause 6b of EN 50365:2024, in addition to visual inspection.

The helmet's service life is 60 months from the date of entry into service. Prior to first use, entry into service must be confirmed by scanning the QR code and activating the product on the digital product passport webpage (PI system). The date of manufacture (month/year) is stamped inside the shell. The maximum storage period is 24 months from the manufacturing date; if the helmet is not activated within this period, it will be automatically registered as entered into service. After this period, the helmet must be retired from service and disposed of.

A soiled helmet must not be used for live working. If the helmet becomes wet, it must be thoroughly dried before use.

TESTING AND INSPECTION FREQUENCY

Perform pre-use checks and periodic inspections according to the table below.

	PRE-USE CHECK	PERIODIC INSPECTION
Performed by	Team leader / Supervisor	Supervision / Laboratory
When	Before each use	Once a year*
Method	Visual inspection	Visual inspection and electrical testing

*unless otherwise specified in the live working instructions

ARC-E40HT Integrated Face Shield**PHOTOS**

Product design and testing in accordance with standards:

EN ISO 16321-1:2022/A1:2025, ANSI/ISEA Z87.1-2020;

EN IEC 62819:2023 for sets with helmet models H058E00/H058E0/H058E1/H058E2

EN ISO 16321-1:2022	
Protection against liquid droplets and splashes	3
Protection against molten metals and hot solids	9
Resistance to fogging	N
High-speed impact resistance (120 m/s) at extreme temperatures	ET
UV radiation protection (U1.7)	UL1,7
Signal light color recognition (L)	
EN IEC 62819:2023	
Protection symbol against electric arc thermal hazards	
Electric arc protection parameter (open arc)	ELIM 28 cal/cm²
Electric arc protection class (box test)	APC2
Light transmittance coefficient	LTC2
ANSI/ISEA Z87.1-2020 (*under certification)	
High-mass and high-velocity impact resistance	Z87+
UV radiation protection	U6
IR radiation protection	R5
ASTM F2178/F2178M-20	
Electric arc protection parameter (open arc)	ATPV 36 cal/cm²

Total face shield height: 220 mm

Visor thickness: 1.7 mm

Total face shield weight: 230 g

ARC-E40HT Integrated Face Shield

DESCRIPTION

The ARC-E40HT face shield consists of a transparent visor made of polycarbonate, linkage arms (polyacetal) with their helmet mounting clips, and a chin protector made of composite material. Visor positioning is adjusted in two positions without removing the face shield from the helmet.

INTENDED USE

The ARC-E40HT integrated face shield is intended to protect the user's face against thermal hazards caused by an electric arc (APC 2 – Box Test and ELIM 28 cal/cm² – open arc). It also provides protection against high-speed particle impact (ET level) at extreme temperatures, liquid droplets, molten metals, and hot solids. The face shield also features UV radiation protection filters and an internal anti-fog coating.

The face shield provides full protection only when combined with SECRA helmets, models H058E00, H058E0, H058E1, and H058E2.

Particularly recommended as personal protective equipment for live working and switching operations.

STORAGE AND MAINTENANCE

The face shield should be cleaned after each use. Do not use solvents, detergents, or abrasive materials for cleaning. Clean the face shield only with water and mild soap. Dry thoroughly after washing. Use the microfiber cloth included with each helmet to clean the visor surface.

Protect against mechanical damage, compression, and exposure to sunlight, moisture, exhaust fumes, etc. Do not place the face shield directly near room windows or car windshields. Recommended storage temperature: (20±15) °C.

PRE-USE CHECK & PERIODIC INSPECTION

Before starting work each time, visually inspect the helmet with the face shield. Periodic inspection also consists of a visual check.

The visual inspection includes checking:

- absence of visible defects on the face shield,
- proper operation of the face shield,
- service life.

If mechanical damage (cracks, deep scratches, punctures) or chemical damage (discoloration, tarnishing, etc.) to the face shield or its malfunction is detected, or if any doubt arises regarding optimum protection, the face shield must be replaced or retired from service.

In case of dampness, dry the face shield thoroughly before use.

TESTING AND INSPECTION FREQUENCY

Perform pre-use checks and periodic inspections according to the table below.

	PRE-USE CHECK	PERIODIC INSPECTION
Performed by	User	Supervisor
When	Before each use	Once a year*
Method	Visual inspection	Visual inspection

*unless otherwise specified in the live working instructions