

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