

# TECHNICAL DATA SHEET

# ArcPro Anti Electric Arc Clear Face Protection System



## DESCRIPTION

System protects against Arc Flash risks posed by electrical faults and tested to EN 166. Headband mounted via the ArcPro Browguard or helmet mounted with the Hi-Tem 300 Carrier on either the Centurion Nexus, Concept, Vision Plus or Vulcan helmet.



## SPECIFICATION: CARRIER

Product Codes	Code	Description	Material	Connection Clip	To fit Accessory Slot	For use with	Weight
	S57CE	High Temperature Carrier	Polyetherimide	S570 & S565	Connect, Combi & Euro	Nexus, Concept, Vision Plus & Spectrum	147g

## SPECIFICATION: BROWGUARD AND CHINGUARD

Product Codes and Specification	Code	Description	Ratchet Type	Material	Sweatband	Weight
	S89	Browguard	Wheel	Nylon	4mm Brushed Polyester laminated to PU foam	197g
	S89CAEA S89CSR	Browguard	Slip			173g
	S91C	Chinguard		Polycarbonate		102g

## SPECIFICATION: FACE SCREENS

Product Codes and Specification	Code	Screen Colour	Material	Screen Length (visible length when fitted)	Weight
	S590AEA	Clear	1.5mm Polycarbonate	210mm	159g
	S910AEA	Clear	1.5mm Polycarbonate	160mm (chinguard screen)	131g

## APPLICATIONS

Product Code	Applications						
	Drilling/Milling	Grinding	Welding (filters for personal eye-protection equipment used in welding and similar operations)	Welding (Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light allows) Oxygen cutting)	Inorganic Chemicals	Organic Chemicals	Live Electrical Working
S590AEA	✓	✓					✓
S910AEA	✓	✓					✓

## EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

Product Code	EN 166:2001: Personal Eye Protection							EN 169: 2002	EN 170: 2002	EN 171: 2002	EN 172: 1995	GS-ET-29 Rev 1 Supplementary requirements for the testing and certification of face shields for electrical works	ANSI/ISEA Z87.1 2010 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices						
	F - Low Energy Impact	B - Medium Energy Impact	A - High Energy Impact	1 - Optical Class	3 - Liquid droplets	9 - Molten Metal Splash	T - High Speed Particles at extremes of temperature	8 - Electric Arc	Scale Number 3	Scale Number 5	2C-1,2	2-1,2	4-5	5-2,5	5-3,1	Class 1 4 kA (3.2 cal/cm <sup>2</sup> )	Class 2 7 kA (10.1 cal/cm <sup>2</sup> )	Z87.1	Z87.1+ (Impact Rated)
S590AEA	✓			✓	✓	✓		✓				✓							
S910AEA	✓			✓	✓	✓		✓				✓							

## PACKAGING AND MAINTENANCE

Packaging	S57CE 10 per Box, box size 41.5 x 27 x 18cm, weight 1.9kg S89CAEA 10 per Box, box size 53 x 37.7 x 26.4cm, weight 2.5kg S89SR/S89CSR 10 per Box, box size 53 x 37.7 x 26.4cm, weight 2.3kg S91C 10 per Box, Box size 41.5 x 27 x 18cm, weight 1.3kg S590AEA 10 per Polybag, bag size 41.5 x 23 x 1.5cm, weight 1.6kg S910AEA 10 per Polybag, bag size 40.5 x 19 x 1.5cm, weight 1.3kg
Storage	Can be stored and transported in original packaging at ambient temperature (0°C to + 30°C). They may be stored in the dark for up to 5 years. Storage in direct sunlight, extremes of temperature and in a fashion that is liable to distort is not recommended.
Lifetime	These products have been designed to have an in-use life of up to 5 years. It is recommended that after 5 years the product is destroyed. Excessive wear and tear can considerably reduce the lifespan of the product.
Cleaning	Clean using warm soapy water and soft cloth. Care must be taken to avoid scratching.
Disposal	Recycling is preferred when possible. Look out for the recycling symbol for material category