

# TECHNICAL DATA SHEET



## General Purpose Face Protection

### DESCRIPTION

Select either a Polycarbonate or Acetate Face Screen and connect to the S54 Face Screen Carrier for helmet mounted face protection. Screens also fit the S89 Browguard for headband mounted face protection.



### SPECIFICATION: GENERAL PURPOSE CARRIER - HELMET COMPATIBILITY

Product Codes and Options	Code	Connection Clip	To fit Accessory Slot	For use with	Material	Weight
	S54	S570	Connect & Combi	All helmets except Nexus and Vision Plus	Nylon	105g
	S54E	S565	Euro & Combi	All helmets except Vulcan and Reduced Peak 1125	Nylon	105g
	S54CE	S570 & S565	Euro, Connect & Combi	All helmets	Nylon	105g
	S54(*)S	* see S54 suffix above		Spectrum helmets	Nylon	105g
	S54(*)T	* see S54 suffix above		All helmets - fitted with thumbscrews for ratchet adjustment	Nylon	147g

### SPECIFICATION: FACE SCREENS

Product Codes and Specification	Code	Colour	Material	Screen Length (visible length when fitted)	For use with S54 helmet mounted General Purpose Carrier. Also fits onto S89 headband mounted Browguard	Weight
	S580	Clear	1mm Polycarbonate	150mm		79g
	S590	Clear	1mm Polycarbonate	210mm		104g
	S591	Clear	1mm Acetate	210mm		125g
	S592	Clear	1mm Acetate Antifog	210mm		125g
	S593	Green	1mm Acetate	210mm		151g
S595	Green	1mm Acetate	210mm	151g		

Centurion chinguard face screens also compatible with S54 helmet mounted carrier, refer to Browguard datasheet for further information.

### 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
S580	✓	✓					
S590	✓	✓					
S591	✓				✓	✓	
S592	✓				✓	✓	
S593	✓		✓		✓	✓	
S595	✓			✓	✓	✓	

## 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)
S580		✓		✓	✓	✓													
S590		✓		✓	✓	✓												✓	
S591	✓			✓	✓														
S592	✓			✓	✓	✓					✓								
S593	✓			✓	✓			✓											
S595	✓			✓	✓				✓										

## PACKAGING AND MAINTENANCE

Packaging	S54/S54T: 10 per Box, box size 41.5 x 27 x 18cm, weight 1.5kg S580: 10 per Polybag, bag size 40.5 x 17 x 1.2cm, weight 0.8kg S590: 10 per Polybag, bag size 41.5 x 23 x 1.2cm, weight 1.2kg S591/2: 10 per Polybag, bag size 41.5 x 23 x 1.2cm, weight 1.3kg S593/5: 5 per Polybag, bag size 41.5 x 23 x 0.75cm, weight 0.75kg
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