



# TECHNICAL DATA SHEET

HIGH TEMPERATURE  
FACE PROTECTION



# HELMET MOUNTED HIGH TEMPERATURE FACE PROTECTION

The Centurion high heat range is designed to offer high levels of head protection for the toughest of environments, to provide specialist protection in areas of high temperatures.

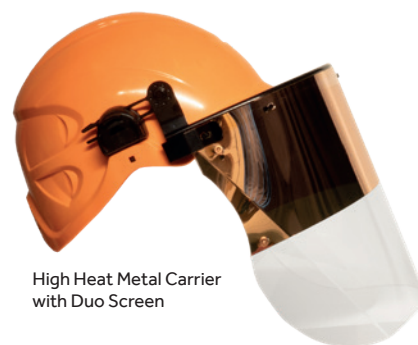
Our face protection range consists of various face screens and carriers for mounting onto our Nexus High Heat or Vulcan high heat helmets.

## FEATURES AND BENEFITS

- Choice of screens dependant on application and heat severity, ranging from full Clear high heat screen, to 50/50 Duo Clear and Copper screen to full Gold screen to deflect the high radiant heat.
- The Duo screen benefits from a Copper top screen that provides protection from radiant heat as well as infrared protection for the eyes while a Clear bottom screen provides improved visibility and safety when looking down and moving around.
- Choice of two carriers (Polyetherimide and Coated metal), both compatible with both high heat helmets.



High Heat Metal Carrier with Gold Screen



High Heat Metal Carrier with Duo Screen



High Heat Carrier with Gold Screen and Aluminised Neck Cape

## MARKETS

- Ideal in foundries, when casting, producing or fabricating metals such as steel, iron, copper or aluminium

### SPECIFICATION: HIGH TEMPERATURE CARRIERS - HELMET COMPATIBILITY

Product Options	Product	Connection Clip	For use with	Material	Weight
	High Heat Carrier	Connect & Euro	Vulcan Helmet (Connect Slot) Nexus High Heat Helmet (Euro Slot)	Polyetherimide	101g
	High Heat Carrier with Thumbscrews			Polyetherimide	116g
	High Heat Metal Carrier			Coated Metal	160g

### SPECIFICATION: FACE SCREENS

Product Options	Product	Colour	Material	Screen Length (visible length when fitted)	Weight
	Clear Triacetate Screen	Clear	1mm Triacetate	210 mm	136g
	Gold Screen	Gold Coated	1mm Green Polycarbonate	210mm	120g
	Duo Screen	Copper Coated (Top) / Clear (Bottom)	1mm Green Polycarbonate Top Half Screen with 1mm Clear Triacetate Screen	95 mm Copper Top Half Screen 115 mm Clear Bottom Screen	196g

### SPECIFICATION: FACE SCREENS - CARRIER COMPATIBILITY

Product Options	Product	For use with
	Clear Triacetate Screen	High Heat Carrier and High Heat Metal Carrier
	Gold Screen	
	Duo Screen	High Heat Metal Carrier

## APPLICATIONS

Product	Applications				
	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)	High Heat	High Heat Infra Red	Inorganic Chemicals
Clear Triacetate Screen			●		●
Gold Screen				●	●
Duo Screen				●	●

## EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

Product	EN 166:2001: Personal Eye Protection										EN 169: 2002 : Filters for Welding		EN 170: 2002 : Ultraviolet Filters		EN 171: 2002 : Infrared Filters		EN 172: 1995 : Sunglare Filters		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 - UV radiation protection – good colour recognition	2-1,2 - UV radiation protection	4-5 - Infrared radiation protection	5-2,5 - Sunglare filters - dark	5-3,1 - Sunglare filters – very dark	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)			
Clear Triacetate Screen	●			●	●	●	●															
Gold Screen	●			●	●	●	●						●									
Duo Copper Top Half Screen		●		●	●	●	●						●									
Duo Clear Triacetate Bottom Screen		●		●	●	●	●															

## Care and Maintenance

### 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.

## Packaging

Product	Individual product packaging dimensions	Individual bagged weight including product	Outer box dimensions	Outer box weight including product	Number of products in outer packaging
High Heat Carrier	26.5 x 22.3 x 9cm	0.20kg	42 x 27 x 18cm	2.2kg	10
High Heat Carrier with Thumbscrews	26.5 x 22.3 x 9cm	0.22kg	42 x 27 x 18cm	2.4kg	10
High Heat Metal Carrier	26.5 x 24 x 9cm	0.28kg	49 x 25.5 x 19cm	3.2kg	10
Clear Triacetate Screen	40.4 x 23 x 1cm	0.16kg	43.5 x 25.5 x 13cm	0.9kg	5
Gold Screen	40.4 x 23 x 1cm	0.16kg	43.5 x 25.5 x 2cm	0.2kg	1
Duo Copper / Clear Triacetate Screen	40.4 x 23 x 4cm	0.24kg	43.5 x 25.5 x 4cm	0.28kg	1

## Product Codes and Bar Codes

Product code	Description	Case bar code	Unit bar code
9034135	High Heat Carrier	5055660692725	5055660692732
9034136	High Heat Carrier with Thumbscrews	5055660692749	5055660692756
9946471	High Heat Metal Carrier	5056375419577	5056375419584
9034147	Clear Triacetate Screen	5055323742606	5055323787614
9034145	Gold Screen	5055323787829	5055323787836
9946566	Duo Copper / Clear Triacetate Screen	5056375428869	5056375428876
9034173	Connect Helmet Clips	-	5055323787355
9034175	Euro Helmet Clips	-	5055323787331



**Centurion Safety Products Ltd**

T: +44 (0) 1842 754266

F: +44 (0) 1842 765590

A: 21 Howlett Way, Thetford,  
Norfolk, IP24 1HZ, United Kingdom  
[centurionsafety.eu](http://centurionsafety.eu)