

# TECHNICAL DATA SHEET

# Spectrum



## DESCRIPTION

Specialised Safety Helmet with Integrated Over Spectacles - providing grade B medium energy impact protection.

## SPECIFICATION

Product Codes and Helmet Options	Code	Option	Weight
	S20*R	Ratchet Non-Vented	484gm
	S20*RF	Ratchet Vented	484gm
Size	52 - 64cm		
Peak	Reduced (20mm)		



\* Insert colour code of helmet.

## MATERIALS

Shell	ABS (Acrylonitrile-Butadiene-Styrene)
Cradle	6 Point Terylene webbing
Headband	LDPE (Low Density Polyethylene)
Sweatband	Dry-Tech (Polyester)
Ratchet	Acetal with HDPE Straps, Black Foam 3mm
Over Spectacles:	Moulded Polycarbonate (with anti scratch and anti fog coating)

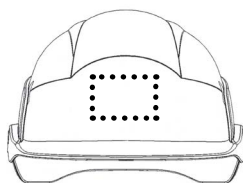


## COLOURS

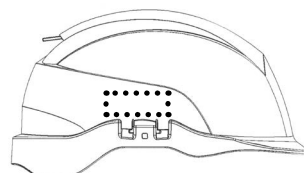
	White	Blue	Red	Yellow	Orange	Green	Light Blue	Black	Grey	High-Vis Yellow	High-Vis Orange
Colour Code	W	B	R	Y	O	G	LB	K	E	HVY	HVO
RAL	9010	5026	3031	1018	2003	6036	5005	9005	5000	1026	2005
Pantone	White	2768	1807	109	1505	343	2935	Black	7545	809	1655

Please note: the closest matching RAL colours are listed.

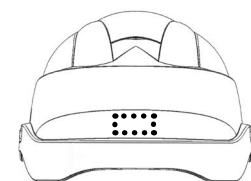
## CORPORATE BADGING



Front	
↔	95mm
↕	45mm



Sides	
↔	100mm
↕	20mm



Rear	
↔	100mm
↕	20mm

## EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

Product	EN 397:2012 + A1:2012				Options outside the scope of EN 397		EN 50365:2002 (1000V a.c.) For use on low voltage insulations	ANSI/ISEA Z89.1-2009 Type 1			Options outside the scope of ANSI/ISEA	CSA/ CAN Z94.1-05 Type 1		Tested to the performance requirements of AS/NZS 1801:1997 Type 1
	Lateral Deformation (LD)	- 30°C (Low Temperature)	Molten Metal (MM)	440V a.c. (Electrical Resistance)	1000V a.c. (Electrical Resistance)	- 40°C (Low Temperature)		Class C (Conductive 0V a.c.)	Class E (20,000V a.c.)	- 30°C (Low Temperature)	- 40°C (Low Temperature)	Class C (Conductive 0V a.c.)	Class E (20,000V a.c.)	
Ratchet Non-Vented S20*R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		
Ratchet Vented S20*RF	✓	✓	✓			✓	✓	✓	✓					

Eye Protection	Impact Protection		EN 166				EN 169		EN 170	EN 171	EN 172	EN 175	EN 1731	GS-ET-29 Revision 1	ANSI/ ISEA Z87.1				
	F - Low Energy	B - Medium Energy	A - High Energy	1 - Optical Class	3 - Liquid droplets	9 - Molten Metal Splash	T - High Speed Particles	8 - Electric Arc	Scale Number 3	Scale Number 5	2C-1,2	2-1,2	4-5	5-2,5	5-3,1	Welding and Allied Processes	Use against Mechanical Hazards (including Forestry)	Face Shields for live electrical work and Arc Flash protection Class 2	American Eye and Face Standard
Overspectacles Clear S576		✓		✓			✓				✓								✓
Overspectacles Smoke Grey S576SE		✓		✓			✓						✓						

## ACCESSORIES

Face	☐ <b>OMBI</b> helmet compatible with ☐ <b>CONNECT</b> , <b>EUR</b> and other approved 30mm range of Face Protection
Accessory Clips	S570 <b>CONNECT</b> or S565 <b>EUR</b> accessories clips
Ear	Compatible with Centurion helmet mounted Aegean S42C/E/CE and Baltic S41C/E/CE Ear Defenders (supplied with either S570 <b>CONNECT</b> or S565 <b>EUR</b> accessory clips)
Eye	S576 Clear Over Spectacles or S576SE Smoke Grey Over Spectacles with anti scratch/fog coating
Stickers	S30HIRS Silver High Intensity Reflective Sticker sets available. Material meets the specification requirements of EN 12899-1 Ra2
Badge Holder	S30SBH 54 x 85mm
Sweatband	S31D Dry-Tech sweatband
Chinstrap	S30E 2 point elasticated chinstrap
Harness	S30Y Quick release 4 point Linesman harness
Standard Cradle	S33/34 Terylene Cradle with Dry-Tech Sweatband
Ratchet Cradle	S33/35 Terylene Cradle with Premium 'Twist2Fit' Ratchet and Dry-Tech Sweatband

## PACKAGING AND MAINTENANCE

Packaging	5 per colour, box size 28 x 22 x 50cm, box weight 2.80kg
Storage	Can be stored and transported in their original cartons at ambient temperature (0°C to + 30°C) May be stored in the dark for up to 5 years Do not store in direct/high heat or sunlight as this may distort the shell
Lifetime	The Centurion helmet has an in-use life of up to 5 years Excessive wear and tear can considerably reduce the lifespan of the product
Cleaning	Clean using warm soapy water and soft cloth
Disposal	Recycling is preferred when possible. Look out for the recycling symbol for material category