

TECHNICAL DATA SHEET

SPECTRUM



DESCRIPTION

Specialised Safety Helmet with Integrated Over Spectacles - providing grade B medium energy impact protection. Also available with SecurePlus 4 point chinstrap for added security / optimum head retention.

SPECIFICATION

	Code	Option	Weight
Product Codes and Helmet Options	S20*R	Wheel Ratchet Non-Vented	484gm
	S20*RF	Wheel Ratchet Vented	484gm
	S20*RL	SecurePlus Wheel Ratchet Non-Vented	513gm
	S20*RLF	SecurePlus Wheel Ratchet Vented	513gm
Size	52 - 64cm		
Peak	Reduced (20mm)		



* Insert colour code of helmet.

MATERIALS

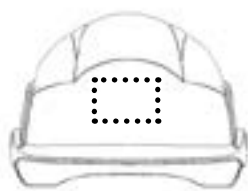
Shell	ABS (Acrylonitrile-Butadiene-Styrene)
Cradle	6 Point Terylene webbing
Headband	LDPE (Low Density Polyethylene)
Sweatband	Dry-Tech (Polyester)
Wheel Ratchet	Acetal with HDPE Straps, Black Foam 3mm
Over Spectacles:	Moulded Polycarbonate (with anti scratch and anti fog coating)
EN 397 Chinstrap	SecurePlus Printed Polyester and Acetal clips

COLOURS

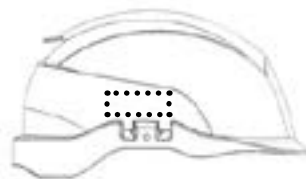
	White	Blue	Red	Yellow	Orange	Green	Light Blue	Black	Grey	High-Vis Yellow	High-Vis Orange
Colour Code	W	B	R	Y	O	G	LB	K	E	HVY	HVO
RAL	9010	5026	3031	1018	2003	6036	5005	9005	7000	1026	2005
Pantone	White	2768	1807	109	1505	343	2935	Black	7545	809	1655

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		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)	EN 50365:2002 (1000V a.c.) For use on low voltage insulations	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.)			
Wheel Ratchet Non-Vented S20*R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓			
Wheel Ratchet Vented S20*RF	✓	✓	✓			✓	✓	✓	✓	✓						
Secure Plus Wheel Ratchet Non-Vented S20*RL	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓			
Secure Plus Wheel Ratchet Vented S20*RLF	✓	✓	✓			✓	✓	✓	✓	✓						

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+ (Impact Rated)	CAN/ CSA-Z94.3-07					
	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	Canadian Eye and Face Protection Standard
Overspectacles Clear S576		✓		✓			✓												✓	✓
Overspectacles Smoke Grey S576SE		✓		✓			✓								✓					

ACCESSORIES

Face	Combi helmet compatible with Connect and Euro range of Face Protection
Accessory Clips	S570 Connect or S565 Euro accessory clips
Ear	Compatible with Centurion helmet mounted Scala XI S72CE and Scala X S71CE Ear Defenders (supplied with S570 Connect and S565 Euro 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	Compatible with 2 point chinstrap S30E, SecurePlus 4 point chinstraps S30Y, S30LY and S30YE (elasticated)
Cradle with Slip Ratchet	S33/34 Terylene Cradle with Dry-Tech Sweatband
Cradle with Wheel Ratchet	S33/35 Terylene Cradle with Premium 'Twist2Fit' Wheel 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