

TECHNICAL DATA SHEET

NEXUS CORE



DESCRIPTION

Modern, recreational styled Safety Helmet with 'Micro Peak' for optimum visibility. Includes premium Dry-Tech sweatband for maximum comfort, helping the wearer to stay cool and productive for longer.

SPECIFICATION

	Code	Option	Weight
Product Codes and Helmet Options	S16E*R	Wheel Ratchet Non-Vented	386gm
	S16E*RF	Wheel Ratchet Vented	386gm
	S16E*A	Slip Ratchet Non-Vented	367gm
	S16E*F	Slip Ratchet Vented	367gm
Size	51 - 63cm (Slip Ratchet) 52 - 64cm (with Premium 'Twist2Fit' Wheel Ratchet)		
Peak	Micro (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



TWICEME TECHNOLOGY

This helmet can be fitted with Twiceme Technology. Twiceme Technology is a built-in safety feature that enables users to store and access essential personal and medical information directly within their protective equipment. Using a simple tap with a smartphone, first responders and bystanders can quickly retrieve critical data such as emergency contacts, medical conditions, and instructions, helping to improve response times and potentially save lives in urgent situations.

For more information on Twiceme Technology visit <https://www.twiceme.com/hth-technology>

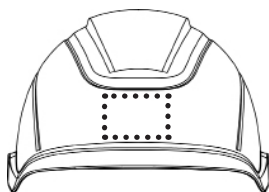
If you would like Twiceme added to your helmet please speak to your Sales Representative.

COLOURS

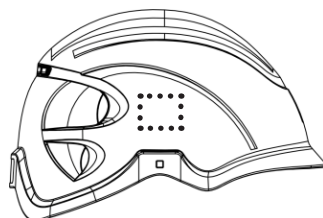
	White	Blue	Red	Yellow	Orange	Green	Light Blue	Black	Bright Yellow	Bright Orange
Colour Code	W	B	R	Y	O	G	LB	K	HVY	HVO
RAL	9010	5026	3031	1018	2003	6036	5005	9005	1026	2005
Pantone	White	2768	1807	109	1505	343	2935	Black	809	1655

Please note: the closest matching RAL colours are listed.

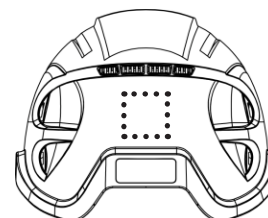
CORPORATE BADGING



Front	
↔	75mm
↑↓	40mm



Sides	
↔	50mm
↑↓	40mm



Rear	
↔	50mm
↑↓	50mm

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 Z89.1-2014 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.)	
Wheel Ratchet Non-Vented S16E*R	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓
Wheel Ratchet Vented S16E*RF	✓	✓	✓			✓	✓	✓		✓	✓	✓		✓
Slip Ratchet Non-Vented S16E*A	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓			✓
Slip Ratchet Vented S16E*F	✓	✓	✓			✓	✓	✓		✓	✓			✓

NEXUS ANTI STATIC SYSTEM

The Nexus safety helmet and specific system accessories can be used in explosive atmospheres as it provides anti static protection according to IEC 60079-32-2:2015 Electrostatics hazards tests.

Product	Gas Zone 0			Gas Zone 1			Gas Zone 2			Dust Zone 20			Dust Zone 21			Dust Zone 22		
	IIA	IIB	IIC	IIA	IIB	IIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC
Nexus Core with or without Reflective stickers and with Nexus Integrated Eyewear (S589/S589SE)	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nexus Core with Scala X Ear Defenders (S71CE)	✓			✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nexus Core with Contour Carrier (S55) and Multi Purpose Face Screen (S810) and/or with Scala XI Ear Defenders (S72CE)				✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

ACCESSORIES

Face	Compatible with Euro and Contour range of Face protection (carriers and face screens)
Accessory Clips	S565 Euro Clip sets for fitting safety helmet accessories. For Contour System, use S585 clips (also supplied with Contour Carrier)
Ear	Compatible with Centurion helmet mounted Scala XI S72CE and Scala X S71CE Ear Defenders (supplied with S565 Euro accessory clips)
Eye	Clear S589 or Smoke Grey S589SE moulded Polycarbonate Eye Shield with anti scratch/fog coating
Stickers	S30NHIRS High Intensity Reflective Sticker sets available in a range of colours. Material meets the specification requirements of EN 12899-1 Ra2. Not fitted as standard
SecurePlus Chinstrap	S30LY 4 point quick release EN 397 Black Chinstrap to convert Core to SecurePlus
HeightMaster Chinstrap	S30NY replaceable 4 point adjustable EN 12492 Grey Chinstrap combines with the S30NL Liner to convert Core to HeightMaster (for vented shell only)
HeightMaster Liner	S30NL Liner combines with the S30NY Chinstrap to provide approval to EN 12492, converting Core to HeightMaster (for vented shell only)
Sweatband	S31D Dry-Tech sweatband
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 2.22kg (S16E* A/F), 2.32kg (S16E* R/RF)
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