



TOTAL HEAD PROTECTION SYSTEMS

 **140**
A BRITISH BRAND
SINCE 1879



CENTURION[®]
WHEN CLARITY COUNTS

ALWAYS SEEKING SAFER



Jeff Ward
CEO
September 2019

At Centurion we believe in going further to protect the men and women who shape our world.

We innovate through insight

We invest in constant insight-led innovation – to ensure our products meet workers' complex and changing needs. 2019 has seen an extensive insight project with our end user and wearer partners to gain unrivalled knowledge of the practical realities our protection needs to deliver against.

We are currently completing the design phase for a product that was born out of a UK Innovate grant titled Reimagining above-the-neck PPE. Central to this project were hundreds of hours spent on construction sites investigating problems and imagining solutions to better integrate above-the-neck personal protection.

We build transformative partnerships

We know that driving standards in safety isn't something we can do alone – so we work with partners in several worlds to tackle our industry's most complex issues.

As an independent company, we can partner with long-term objectives in mind. Our recent partnership with Headways, the UK brain injury charity, sees us come together over a shared goal to reduce the incidents of brain injury through greater awareness and understanding in the construction and industrial sectors.

2019 has seen us further cement a multi-year partnership with Warwick University to develop breakthrough technologies in design and manufacturing. This will entail a shared use of advanced facilities and resources to help make safe even safer.

We create behavioural change through knowledge

We underpin all that we do with our unrivalled commitment to education and training – building the wearer knowledge and behaviours that, we believe, are central to safe working environments. You can find out more about our education initiatives at the end of this brochure. Please do enquire how we can tailor modules, tests and certificates for your business – either as a distribution or end user partner.

Over the coming year the educational content on our YouTube channel and website will continue to develop as our sustained investment starts to come to fruition in an extended suite of tools.

We look forward to what the next year has in store—and the next 140 years of course!!



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HELMET PROTECTION SYSTEMS

Our innovative head protection systems combine total safety with total ease – so wearers are free to focus on the task at hand.

End User Safety Focus



	SAFEST	SAFER				SAFE					
Potential Severity of Risk	High	Medium Plus				Medium		Low			
General Purpose Helmet Systems	Nexus HeightMaster  	Spectrum SecurePlus  	Vision Plus SecurePlus  	Nexus SecurePlus  	Concept SecurePlus  	Spectrum  	Vision Plus  	Nexus Core  	Concept  	Reflex 	1125 / 1100 

Safety Performance Credentials											
Objects falling	●	●	●	●	●	●	●	●	●	●	●
Lateral Deformation Protection	●	●	●	●	●	●	●	●	●	●	●
EN 397 minimum requirement	●	●	●	●	●	●	●	●	●	●	●
EN 397 exceeding standards 50%							●	●			
EN 397 exceeding standards >50%		●	●	●	●	●	●				
EN 12492 Front, side, rear & off crown tested	●										

The Centurion Difference											
Designed and made in UK		●	●	●	●	●	●	●	●	●	●
BSI Kitemark		●	●	●	●	●	●	●	●	●	●
6 point cradle											●
Nylon Textile cradle										●	
6 point Terylene cradle		●	●	●	●	●	●	●	●		
Virgin Grade ABS Polymer		●	●	●	●	●	●	●	●		
Up to 3 x Tensile strength		●	●	●	●	●	●	●	●		
Up to 1.7 x Harder		●	●	●	●	●	●	●	●		
Dry Tech Sweatband for maximum comfort		●	●	●	●	●	●	●	●		
4 point SecurePlus EN 397 chinstrap			●	●	●	●					
4 point SecurePlus EN 12492 chinstrap		●									
High performance liner for improved impact		●									

Compatible with all Centurion Accessories
 Face Protection, Hearing Protection, Seasonal Protection, Mounting Accessories, Visibility Accessories, Chinstraps, Neck Capes, Helmet Spares

NEXUS HEIGHTMASTER

Our pioneering helmet combines an advanced high performance liner for improved impact with modern recreational styling - including a replaceable 4-point adjustable EN 12492 chinstrap.

ATTRIBUTES

- High performance liner provides extra shock and penetration protection according to EN 12492
- Easily replaceable chinstrap for improved hygiene
- Chinstrap side adjusters for improved wearer fit and comfort
- Polyester webbing ensures that it doesn't catch on workwear Velcro



STANDARD



OPTIONAL



APPROVED TO

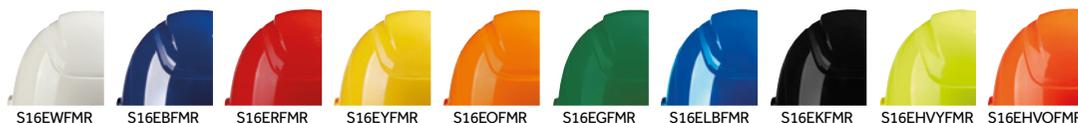
- [EN 12492]
- [ANSI/ISEA] Class C | LT
- [AS/NZS 1801]

CONFORMS TO

- [EN 50365]
 - [EN 397] LD | -40°C
- (In respect of shock and penetration)



SAFEST
High performance
liner inside



Product Codes: S16E*FMR (Wheel Ratchet Vented) / S30NL (Nexus Liner) / S30NY (EN 12492 Chinstrap)
*Insert colour of helmet (i.e. W for White)

SPECTRUM SECURE PLUS

ABS safety helmet system with integrated over spectacles to deliver grade B EN 166 impact protection and ANSI/ISEA Z87+. Also suitable for wearers of prescription eyewear.

ATTRIBUTES

- Eyewear provides extra lateral and bottom coverage and provides extra protection against particles
- Anti-scratch and anti-mist coating on eyewear provides improved durability and visibility
- Soft nose bridge for enhanced wearer comfort
- Full over spectacle adjustment built in to ensure the user can obtain a perfect fit
- **NEW** Spectrum with badge holder available



STANDARD



OPTIONAL



HELMET APPROVED TO

[EN 397] LD | MM | -40°C
[EN 50365]

VENTED

[ANSI/ISEA] Class C | LT

UNVENTED

[EN 397] 1000V a.c
[ANSI/ISEA] Class E | LT
[CAN/CSA] Z94.1-05

OVER SPECTACLES APPROVED TO

[EN 166] 1 | B | T
[EN 170] 2C-1,2
[ANSI/ISEA] Z87+
[CAN/CSA] Z94.3-07

SAFER/SAFE*

Over spectacles with
Grade B impact protection

Product Codes: S20*R (Wheel Ratchet) / S20*RL (SecurePlus Wheel Ratchet) / S20*RF (Vented Wheel Ratchet) / S20*RLF (SecurePlus Vented) / S576 (Spare Over Spectacles) / S576SE (Spare Smoke Over Spectacles) For Spectrum Badge Holder add SBH to product code

*Insert colour of helmet (i.e. W for White)

VISION SECURE PLUS

Our industry-leading head protection system offers wearers of prescription glasses total safety reassurance with moulded integrated eye protection uniquely certified to EN 166 grade A high impact levels and ANSI/ISEA Z87+.

ATTRIBUTES

- Optical clarity to Class 1 for continuous use - standard on all Centurion face protection
- Grade A High Energy Impact Protection to EN 166: providing the highest impact protection possible within EN 166 - better than any other integrated eyewear on the market
- Large side pull tabs enable the wearer to quickly and easily move the visor up and down even when wearing gloves
- Includes anti-scratch and anti-mist coating for improved durability and visibility



S10PLUSEWA S10PLUSEBA S10PLUSERA S10PLUSEYA S10PLUSEOA S10PLUSEGA S10PLUSELBA S10PLUSEKA S10PLUSEHVYA S10PLUSEHVOA

Product Codes: S10PLUSE*A (Slip Ratchet) / S10PLUSE*R (Wheel Ratchet) / S10PLUSE*RL (SecurePlus Wheel Ratchet) / S577 (Spare clear visor)

* Insert colour of helmet (i.e. W for White)

STANDARD



OPTIONAL



HELMET APPROVED TO

[EN 397] 1000V a.c | LD | MM | -40°C

[ANSI/ISEA] Class E | LT

VISOR APPROVED TO

[EN 166] 1 | A | T

[EN 170] 2C-1,2

[ANSI/ISEA] Z87+

SAFER/SAFE*

Grade A impact protection

NEXUS SECURE PLUS

Our multi award winning helmet combines advanced industrial safety standards with modern recreational styling including a 4-point chinstrap for added stability, security and comfort.

ATTRIBUTES

- SecurePlus 4-point quick release chinstrap for added stability and comfort
- Chinstrap side adjusters for improved wearer fit and comfort
- Micro peak for maximum upward visibility
- Polyester webbing ensures that it doesn't catch on workwear Velcro



Product Codes: S16E*RL (Wheel Ratchet) / S16E*L (Slip Ratchet) / S16E*RLF (Wheel Ratchet, Vented) / S16E*LF (Slip Ratchet, Vented)
 *Insert colour of helmet (i.e. W for White)

STANDARD



OPTIONAL



APPROVED TO

[EN 397] LD | MM | -40°C
 [EN 50365]
 [AS/NZS 1801]

UNVENTED

[EN 397] 1000V a.c
 [ANSI/ISEA] Class E | LT | -40°C
 [CSA/CAN] Class E

VENTED

[ANSI/ISEA] Class C | LT | -40°C
 [CSA/CAN] Class C



SAFER

4-point chinstrap for increased stability

CONCEPT SECURE PLUS

High safety with low weight. Reassuring strength with feel-good comfort.

ATTRIBUTES

- Complete with 4 point SecurePlus EN 397 quick release chinstrap
- High performance ABS shell allows for optimal strength to weight ratio
- Internal card holder for identification or medical information
- **NEW** Concept Badge Holder version available



SAFER

4-point chinstrap for increased stability



S08CWL S08CBL S08CRL S08CYL S08COL S08CGL S08CLBL S08CKL S08CHVYL S08CHVOL

Product Codes: S08C*L (Slip Ratchet) / S08C*RL (Wheel Ratchet) / S08C*LF (Slip Ratchet, Vented) S08C*LRF (Wheel Ratchet, Vented) For Concept Badge Holder add CBH to product code
*Insert colour of helmet (i.e. W for White)

STANDARD



OPTIONAL



APPROVED TO

[EN 397] LD | MM | -40°C
[EN 50365]

UNVENTED

[EN 397] 1000V a.c
[ANSI/ISEA] Class E

VENTED

[ANSI/ISEA] Class C

NEXUS CORE

Our multi award winning helmet combines advanced industrial safety standards with modern recreational styling.

ATTRIBUTES

- Modularity as standard. Simply by adding accessories, you can have one helmet style on site, with accessories to support different tasks
- High performance ABS material and creative design enables -40°C low temperature performance, lateral deformation and optimal strength to weight ratio allows for a strong, protective helmet
- Optimised micro peak providing maximum upward visibility
- Dry-Tech Sweatband for maximum comfort, for extended periods of use



Product Codes: S16E*A (Slip Ratchet) / S16E*F (Slip Ratchet, Vented) / S16E*R (Wheel Ratchet) / S16E*RF (Wheel Ratchet, Vented)
 *Insert colour of helmet (i.e. V for White)

STANDARD



OPTIONAL



APPROVED TO

[EN 397] LD | MM | -40°C

[EN 50365]

[AS/NZS 1801:]

VENTED

[ANSI/ISEA] Class C | LT | -40°C

[CSA/CAN] Class C

UNVENTED

[EN 397] 1000V a.c

[ANSI/ISEA] Class E | LT | -40°C

[CAN/CSA] Class E



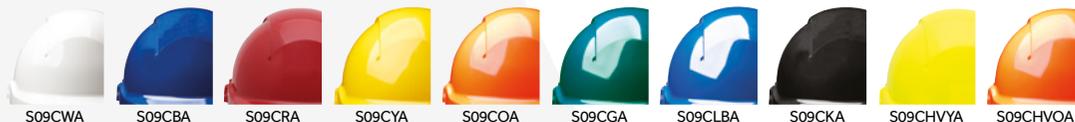
SAFE
 Style with
 substance

CONCEPT

High safety with low weight. Reassuring strength with feel-good comfort. Our Concept is the helmet that tore up the rule-book.

ATTRIBUTES

- Manufactured from high quality, strong ABS material
- High performance ABS shell allows for optimal strength to weight ratio
- Unique extended nape ensures enhanced neck protection
- Dry-Tech Sweatband for maximum comfort, for extended periods of use
- **NEW** Concept Badge Holder version available



STANDARD



OPTIONAL



APPROVED TO

[EN 397] LD | MM | -40°C
[EN 50365]

VENTED

[ANSI/ISEA] Class C
[AS/NZS 1801] Class C

UNVENTED

[EN 397] 1000V a.c
[ANSI/ISEA] Class E

SAFE

Up to 20% Lighter*

Product Codes: S09C*A (Full Peak, Slip Ratchet) / S09C*F (Full Peak, Slip Ratchet, Vented) / S08C*A (Reduced Peak, Slip Ratchet) / S08C*F (Reduced Peak, Vented Slip Ratchet) / S09C*R (Full Peak, Wheel Ratchet) / S09C*RF (Full Peak, Wheel Ratchet, Vented) / S08C*R (Reduced Peak, Wheel Ratchet) / S08C*RF (Reduced Peak, Wheel Ratchet, Vented) For Concept Badge Holder add CBH to product code

*Insert colour of helmet (i.e. V for White)



SAFE
Even Centurions entry helmets have 6 point cradles

REFLEX

For day-long comfort, our Reflex Safety Helmet offers a 6-point Nylon cradle, brushed nylon sweatband and ventilation – all as standard.

ATTRIBUTES

- Designed with safety in mind; supplied with a Silver rear Flash as standard. Also available with a Bright Yellow or Orange rear Flash

STANDARD



APPROVED TO

[EN 397] MM | -30°C
[EN 50365]



Product Codes: S12*SA (for Silver flash) / S12*HV*A (for Bright Yellow or Orange flash) / S12HV*A (for Bright Yellow or Orange complete helmet) / S12*SR (for Silver flash with Wheel Ratchet) / S12*HV*R (for Bright Yellow or Orange flash with Wheel Ratchet) / S12HV*R (for Bright Yellow or Orange complete helmet with Wheel Ratchet)

*Insert colour of helmet (i.e. W for White)- see colour strip

1125 CLASSIC

Our general purpose safety helmet comes with a 6-point Terylene cradle and brushed nylon sweatband.

ATTRIBUTES

- Reduced or Full Peak available

STANDARD



APPROVED TO

[EN 397] 1000V a.c (unvented shell only) | MM | -30°C
[ANSI/ISEA] Z89.1-2014 Type 1 Class E (unvented shell only)

Product Codes: S03C*A (Full Peak Non Vented) / S03E*F (Full Peak Vented) / S17*A (Reduced Peak Non Vented)

*Insert colour of helmet (i.e. W for White)



1100 CLASSIC

Our general purpose safety helmet is fitted with a 6-point plastic cradle.

STANDARD



APPROVED TO

[EN 397] 440V a.c (unvented shell only) | MM | -10°C



Product Codes: S01C*A Full Peak Slip Non-Vented / S01C*C Full Peak Slip Non-Vented with Brushed Nylon Sweatband / S01E*F Full Peak Slip Vented / S01E*FC Full Peak Slip Vented with Brushed Nylon Sweatband
*Insert colour of helmet (i.e. W for White)

NEXUS HIGH HEAT

Our **NEW** specialised Glass Filled Nylon safety helmet is designed to protect workers where there is a risk from high levels of radiant heat.

ATTRIBUTES

- Glass Filled Nylon shell which resistant to radiant temperatures of up to 150°C
- Optimised micro peak providing maximum upward visibility
- Comfortable fit with Terylene 6-Point Cradle and Vabon Sweatband
- Fully adjustable wheel ratchet for a custom fit
- Fully removable EN 397 2 point Optional leather chinstrap



Modern styling resistant to radiant temperatures



S22PLUSWR S22PLUSBR S22PLUSRR S22PLUSYR S22PLUSOR S22PLUSGR

Product Codes: S22PLUS*R (Ratchet)

*Insert colour of helmet (i.e. W for White)

STANDARD



OPTIONAL



APPROVED TO

[EN 397] 440V a.c | LD | MM | -10°C | +150°C | LD
| 2000V a.c.
[ANSI/ISEA] Z89.1-2014 Type 1 Class G (2200V ac)



NEW High heat carrier available
see page 25 for more information

CONCEPT FORESTRY KIT

Providing high safety with low weight - reassuring strength with feel-good comfort. Expertly customised with our forestry mesh visor and ear defenders.

ATTRIBUTES

- Orange Vented Concept Helmet, Black Mesh Visor and Orange Scala X SNR 25db Ear Defenders
- High performance ABS shell allows for optimal strength to weight ratio
- Internal card holder for identification or medical information



Light weight,
complete
forestry system

STANDARD



OPTIONAL



HELMET APPROVED TO

[EN 397]

[EN 50365]

[AS/NZS 1801:] Class C

EAR DEFENDER APPROVED TO

[EN 352-3]

FORESTRY VISOR APPROVED TO

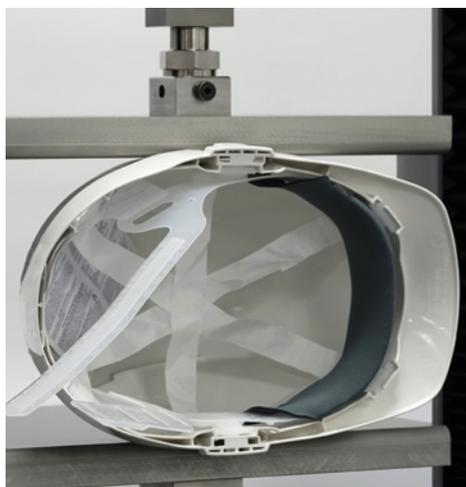
[EN 1731] S

Product Codes: S25CCOF (consisting of S71CE Scala Ear Defenders, S59 Forestry Visor and S09COF Concept Orange Vented Helmet)

HELMET PROTECTION STANDARDS

EN 397 Helmets for general use in construction and industry to provide protection to the wearer against falling objects and consequential brain injury and/or skull fracture.

ANSI Z89.1 (Type 1) Minimum performance requirements for protective helmets that reduce the forces of impact and penetration and that may provide protection from electric shock. Type 1 helmets are intended to reduce the force of impact resulting from a blow only to the top of the head.



MANDATORY TESTS	Shock Absorption		EN 397	ANSI Z89.1
	Drop height		1 metre	1.5 metre (freefall)
	Maximum force allowed		5 kiloNewtons	3.78 kiloNewtons (average) 4.45 kiloNewtons (individual)
	Energy Transmitted during test		49 joules	53 joules
	Striker face and weight		50mm radius hemispherical, 5kg	95mm diameter, radius 48mm, 3.6kg
	Test Conditions		-10°C, +50°C, Wet at +20°C, plus UV	-18°C, +49°C, Wet at +23°C
	Penetration Resistance		EN 397	ANSI Z89.1
	Drop height		1 metre on area 50mm radius	2.5 metres on area 38mm radius on crown
	Energy Transmitted during test		29 joules	24.5 joules
	Striker Mass		3kg	1kg
Test Conditions		-10°C, +50°C, Wet at +20°C, plus UV	-18°C, +49°C, Wet at +23°C	

BSI Kitemark



By purchasing a product accredited with the BSI Kitemark, the user can be confident that the product continually meets the performance characteristics of the initial sample submitted for type approval.

BSI independently audit test the product on a regular basis and in order for us to retain the Kitemark, we must routinely batch test products in our own laboratory and have process control procedures in place within our production.

Centurion also hold BS EN ISO 9001:2015, a quality management standard, covering the design management, development and manufacture of our products, having held ISO 9001 since 1992.

OPTIONAL TESTS	Lateral Deformation (LD)	
	Provides a level of protection against lateral compression, indicating improved side strength of helmet. Test Method: A pressure of 43kg is applied on both sides of the shell for 5 minutes and then the amount of helmet deformation is measured.	EN 397 only
	Low Temperature Performance	
	Helmet will still provide protection when worn at or above this temperature. Test Method: The mandatory shock absorption and penetration resistance tests are repeated at stated low temperatures.	-20°C/-30°C - EN 397 -30°C - ANSI Z89.1
	Electrical Insulation	
	Test indicates protection from electrical shock. EN Test Method: The shell is immersed for 24 hours in 3 grams per litre of salt water. A current is passed through electrodes which are positioned both inside and outside the helmet. The maximum electrical leakage allowed is 1.2mA for 30 secs at 1200V a.c. ANSI Test Method: Test samples shall be proof-tested at indicated voltage (phase to ground).	440V a.c. - EN 397, 2200V a.c. - Class G ANSI Z89.1, 20,000V a.c. - Class E ANSI Z89.1
	Molten Metal (MM)	
	The test ensures that there is no penetration of molten metal splash, indicating a quality, heat resistant shell. Test Method: Test procedure is 150g of molten iron dropped onto a 50mm radius area on helmet crown.	EN 397 only
	Extra Features outside the scope of EN 397	
	Purpose and test method is as per the relevant EN 397 options detailed above, but performance indicates a higher level of protection.	-40°C and 1000V a.c.
Resistant to Flame (F)		
Test ensures helmet does not ignite or burn after a flame is applied for a brief period of time. EN 397 Test Method: The end of the flame is applied to the outside of the cap, 50-100mm from the crown for 10 seconds.	Mandatory test for EN 397 (flame resistant test) and ANSI Z89.1 (flammability test)	

EXCEEDING STANDARDS

Here at Centurion, we believe that the standards that govern head protection (EN 397), written in 1995, and adopted from ISO3873 in 1977, could do more to meet the protection requirements for the modern working environment (available materials and methods have changed significantly).

We encourage the end customers we work with to consider their specification beyond the EN 397 standard written so many years ago. We also believe that facilities and health and safety executives should consider adding the following to their purchase specification:



BSIF Registered Safety Supplier Scheme (RSSS):

Every RSSS member is independently audited every single year. Products are subjected to random testing for performance and compliance to claimed standards. RSSS members commit to their customer-facing employees being trained in the Safe Supply Accreditation programme to ensure competence in PPE and Health & Safety. Membership of the scheme involves more than testing and training. It includes a shared commitment to advocating the scheme's benefits to other health and safety providers.



Kitemark: The Kitemark is an unrivalled stamp of quality. From its creation in 1903, it is now recognised globally as a business super brand – whose independent testing has become the benchmark in product quality and compliance.

The Kitemark, in our view, is so valuable for two reasons.

Firstly, unlike the CE mark which certifies businesses to minimum legal requirements, the Kitemark sets standards of compliance that go far beyond the legal minimum. We believe in always striving for what is

best, not what is simply permitted. And we believe the Kitemark is a fitting testament to this ethos.

Secondly, much of the Kitemark's rigour is rooted in its insistence on regular testing and re-testing businesses against its exacting standards. And in its constant monitoring and review of those standards to ensure they remain resolutely fit for the world they operate in. So, the Kitemark isn't proof that a business has 'passed a test' – it's proof that a business is constantly maintaining the highest of standards – a feat that demonstrates a deeper commitment to going above and beyond. Our job is to keep people safe. So, our view will always remain black and white. There can be no "that'll do" when lives are at risk. Acceptable isn't ever acceptable when we know we can push for better. And meeting standards will never be enough when we could be setting standards.

Chinstraps: At Centurion, we believe that chinstraps should be mandatory and that chinstraps help improve site safety. This is paramount when working in an environment where a helmet could fall on someone below, this is particularly important and often referred to "working at height". If a wearer's helmet isn't securely fitted, upon impact the protection levels will be comprised. If a wearer were to be struck by an object there is a chance that the impact could knock the helmet off their head, this would not happen if you were wearing a chinstrap and would provide protection against any subsequent impacts.

We test our products to levels above and beyond the norm, giving workers the confidence to deliver their best.

COMPATIBILITY GUIDE

At Centurion, our mission is to provide compatible, comfortable and stylish head protection systems. PPE compatibility is important as compatible systems have many benefits:

- A system from the same manufacturer is designed and tested to work together
- Fit and therefore comfort is optimised
- Wearer compliance and productivity is improved as wearers are satisfied with their PPE system





HELMET ACCESSORIES

Our system accessories combined with our helmets, caps and respiratory headpieces provide total system compatibility so workers can focus on the tasks at hand.

FACE PROTECTION STANDARDS AND OPTIONS

Standard	Option	Type	Description
EN 166:2002	1	OPTICAL CLASS	Highest quality level, required for continuous usage
EN 166:2002	A	MECHANICAL STRENGTH / IMPACT RESISTANCE	High speed particles with high energy impact (190m/s)
	B		High speed particles with medium energy impact (120m/s)
	F		High speed particles with low energy impact (45m/s)
	T		Additional resistance to high speed particles at extreme temperature (-5°C-55°C)
ANSI/ISEA Z87.1:2010 / 2015	Z87+		American National Standard for Eye and Face Protection. Impact Rated (91m/s)

APPLICATION BASED:

EN 166:2002	9	High / radiant heat environments:	Non adherence of molten metal and resistance to penetration of hot solids
EN 171:2002	4-5		Protection against InfraRed radiation. Shade 5 filter. Typical application in terms of mean temperature sources up to 1390°C
EN 166:2002	3	Chemical and splash environments	Protection against liquid droplets and splashes
EN 169:2002	3	Welding and braze welding of heavy metals	Filters for personal eye protection used in welding and similar operations. Scale number 3.
EN 166:2002	5		Welding with emissive fluxes (notably light allows) Oxygen Cutting. Scale number 5.
EN 175:1997			Equipment for eye and face protection during welding and allied processes
EN 170:2002	2C-1,2		For use with sources which emit predominantly Ultra Violet Radiation at wave lengths shorter than 313nm and when glare is not an important factor. This covers the UVC and UVB bands. With enhanced colour recognition.
	2-1,2		As 2C-1,2 above - however colour recognition may be impaired.
EN 1731:2016	S	Forestry	Mesh type eye and face protectors for industrial and non industrial use against mechanical hazards. S marking for Robustness.
EN 166:2002	8	Arc flash risks	Protection against Short Circuit Electric Arc. No test is required; screen needs to meet minimal requirements of material type - (best is Polycarbonate), thickness - 1.4mm minimum, scale number - 2-1,2 or 2C-1,2, height - 150mm minimum and visibility.
GS-ET-29 Revision 1 (2010-12)	Class 1 or 2		Requirements for the testing and certification of face shields for electrical works - 'Arc-in-a-box' test. Arc Protection Classes: Class 1 - 135kJ/m2 incident energy, 3.2 cal/cm2 (4kA), Class 2 - 423kJ/m2 incident energy, 10.1 cal/cm2 (7kA) Visible Light Transmittance (VLT) Classes: Class 0 - ≥ 75%, Class 1 - 50% ≤ VLT < 75%, Class 2 - VLT < 50%

ANTI-STATIC RISKS

Specific Centurion Accessories with the Nexus helmet are certified by our Notified Body, BSI, to the electrostatic test, which assesses and confirms the electrostatic chargeability, according to IEC 60079-32-2:2015. This provides the confidence that these products can not cause an electrostatic charge and thereby not be the cause of an explosive spark or ignition.

Helmet and Accessories	Hazardous area (Zone as per Directive 99/92/EC)	Group (as per DIN EN 60079-0)
Nexus HeightMaster in combination with Nexus eyeshield clear or smoke grey and/or Nexus high intensity reflective stickers	Zone 0 Zone 1 & 2 Zone 20, 21 & 22	IIA and IIB IIA, IIB and IIC IIIA, IIIB and IIIC
Nexus HeightMaster in combination with Scala X ear defenders	Zone 0 Zone 1 & 2 Zone 20, 21 & 22	IIA IIA and IIB IIIA, IIIB and IIIC
Nexus HeightMaster in combination with Scala XI ear defender and/or Contour visor carrier and Contour polycarbonate multi purpose screen	Zone 1 & 2 Zone 20, 21 & 22"	IIA IIIA, IIIB and IIIC

SYSTEM ACCESSORIES PRODUCT SELECTOR

		Automotive	Construction	Distribution	Foundry	Highways	Manufacturing	Petro-Chemical	Rail	Utilities
Hearing	Risk level	Low	Medium - High	Minimal	Low - Medium	Medium - High	Minimal - High	Medium - High	Medium - High	Minimal - High
	Potential risk	Air tools	Machinery/Power Tools	Accessing production area	Noisy environment	Power tools / heavy machinery / traffic noise	Background noise - noisy environment	Noisy environment	Power tools ie chainsaws, strimmers / Machinery	Sewage works / machinery (ie Excavating cables)
	Recommended product(s)	Helmet mounted ear defenders - S71CE/S72CE, page 26								
Eye	Risk level	Minimal - Medium	Medium - High	Minimal	not applicable	Medium - High	Minimal - Medium	Medium - High	Low - Medium	Low - Medium
	Potential risk	Falling debris under vehicle	Power tools	Handling chemicals	-	Power tools / machinery	machinery	Machinery / working near chemicals	Power tools / machinery	Debris / Power tools, machinery
	Recommended product(s)	Helmet integrated eyewear; Spectrum - S576, S576SE page 7, Vision Plus - S577, page 8			-	Helmet integrated eyewear; Spectrum - S576, S576SE page 7, Vision Plus - S577, page 8				
Face	Risk level	Minimal	Low - High	Minimal	High	Low - High	Minimal - Medium	Low - Medium	Minimal - High	Minimal (High)
	Potential risk	Grinding/cutting	Grinding/cutting	Handling chemicals	Molten metal splash / radiant heat / Infrared / UV	Power tools / machinery / cabling	Machinery	Close proximity / working with chemicals	Forestry, Arc flash	Arc flash
	Recommended product(s)	Browguard mounted face screen - various, page 24	Helmet mounted face screen - various, pages 23 and 24	Browguard mounted face screen - various, page 24	Helmet mounted high temperature face protection - various, page 25	Helmet mounted face protection - general purpose or arc flash - various, pages 22-24	Browguard or helmet mounted face screen - various, pages 23-24	Helmet mounted face screen - various, pages 23-24	Helmet mounted face protection - forestry, polycarbonate or arc flash face screens - various, pages 22-24	Helmet mounted face protection - arc flash - various, pages 22-23
Seasonal	Risk level	Low - Medium	Medium-High	Low - Medium	not applicable	High	Minimal	High	High	Minimal - High
	Potential risk	Partly External environment (tyre fitters) - External environment (mobile fitters)	Working internally or externally	Entering a cold storage area or working externally	-	External environment	Cold Storage	External environment	External environment	External environment
	Recommended product(s)	Warming Systems for the winter months/colder environments and Kalis Dry Cooling and Sun Capes for the Summer months - various, pages 28-29								

CONTOUR FACE PROTECTION

CONTOUR XIII

CLEAR-GREY HT (HIGHLY TRANSPARENT) ARC FACE SCREEN

Utilises the latest Arc technology; the clearest European Class 2 screen with the highest Visible Light Transmittance providing improved colour recognition for the user.

ATTRIBUTES

- Specialised nano particles technology providing Class 2 arc protection highest Visible Light Transmittance Class 0 (>80%)
- Permanent Anti-Fog and Anti scratch coating
- Longer in use life of 10 years with permanently attached Chinguard

STANDARD



APPROVED TO

[EN 166] 1 | B | 8 | 3

[EN 170] 2C-1,2

[Arc Class 2 GS-ET-29]

Product Codes: S830 Contour XIII Clear-Grey HT Face Screen / S25WR830 Kit consisting of Nexus Helmet with Wheel Ratchet and Arc Class 2 Clear-Grey HT Screen fitted to Contour Carrier



NEW Easy fit, Clearest Arc Class 2 approved face protection



NEW Easy fit, Arc Class 2 approved face protection

CONTOUR XII

LIGHT-GREEN ARC FACE SCREEN

Provides an effective Class 2 face protection solution.

ATTRIBUTES

- Specialised nano particles technology providing Class 2 arc protection
- Visible Light Transmittance Class 0 (>75%)
- 5 years in use lifetime with integrated Grey Nylon Chinguard

STANDARD



APPROVED TO

[EN 166] 1 | B | 8 | 3

[EN 170] 2C-1,2

[Arc Class 2 GS-ET-29]

Product Codes: S820 Contour XII Light-Green Face Screen / S25WR820 Kit consisting of Nexus Helmet with Wheel Ratchet and Arc Class 2 Light-Green Screen fitted to Contour Carrier

CONTOUR XI

MULTI PURPOSE MOULDED FACE SCREEN

Designed to protect against EN 166 medium energy impact and Class 1 Arc Flash risks posed by electrical faults.

ATTRIBUTES

- Polycarbonate moulded screen for both impact protection and Arc protection
- Anti-Fog and Anti scratch coating
- Integrated Chinguard

STANDARD



APPROVED TO

[EN 166] 1 | B | T | 8 | 9 | 3
[EN 170] 2C-1,2
[ANSI/ISEA] Z87.1+
[Arc Class 1 GS-ET-29]

Product Codes: S810 Contour XI Multi Purpose Face Screen / S25WCONTAEAKit consisting of Nexus Helmet with Wheel Ratchet and Multi Purpose / Arc Class 1 Screen fitted to Contour Carrier



Easy fit, Arc Class 1 approved face protection



Easy fit, general purpose face protection

CONTOUR X

GENERAL PURPOSE MOULDED FACE SCREEN ATTRIBUTES

- Polycarbonate moulded screen for medium energy impact protection

APPROVED TO

[EN 166] 1 | B | T | 9 | 3
[EN 170] 2C-1,2
[ANSI/ISEA] Z87.1+

Product Codes: S800 Contour X General Purpose Face screen

CONTOUR CARRIER

GENERAL PURPOSE CONTOUR CARRIER ATTRIBUTES

- Low profile, pivoting system follows helmet contour
- Unique TPE rubber collar is fitted as standard to help block falling debris
- Multi pivot functionality for maximum versatility
- Contour clips for fitting to Nexus and Concept helmets

APPROVED TO

[EN 166]
[ANSI/ISEA] Z87.1+

Product Codes: S55 Contour Face Screen Carrier



Easy fit, low profile system

CLASSIC FACE PROTECTION



CLASSIC FACE SCREENS

General Purpose face screens available in polycarbonate for medium energy impact protection, acetate for chemical resistance or acetate green for welding.

- All face screens can be used with both the Classic Carrier and the Classic headband mounted Browguard

Product Codes: General Purpose Face Screens:
S580 - Polycarbonate 150mm / S590 - Polycarbonate 210mm / S591 - Acetate Clear 210mm / S592 - Acetate Antifog 210mm **Face Screens for Chinguard:**
S910 - Polycarbonate / S911 - Acetate Clear / S912 - Acetate Antifog



CLASSIC CARRIER

A carrier for fitting helmet mounted face screens. For fitting Classic face screens to all Centurion helmets.

Product Codes: S54CE Carrier / S54TCE Carrier - fitted with thumbscrews



CLASSIC BROWGUARD

Classic Browguard for fitting Classic face screens when head protection is not required.

Product Code: S89 Browguard



CLASSIC CHINGUARD

Chinguard for fitting to Chinguard Face Screens for additional coverage.

Product Code: S91C Chinguard



FORESTRY VISOR

In the unique forestry environment, our visor offers a high degree of face protection without restricting the vision of the wearer. The visor is pre-mounted onto a Centurion carrier for total protection against falling debris and for stability during use.

- Forestry Kit available, see page 15 for further information

Product Codes: S59CE - Forestry Visor / S25CCOF - Forestry Kit with Concept Orange Vented Helmet and Scala X Ear Defenders

HIGH HEAT FACE PROTECTION & ACCESSORIES



NEW HIGH TEMPERATURE PREMIUM FACE SCREEN CARRIER

In conjunction with the high temperature classic face screens, a complete high temperature face system designed to supply specialist protection in areas at risk of radiant heat. Suitable for use on Nexus high heat and Vulcan helmets. Made from steel aluminium with black anodised coating.

Product Codes: S58 - Premium Carrier for Nexus High Heat and Vulcan helmet



HIGH TEMPERATURE CLASSIC FACE SCREEN CARRIER

In conjunction with the high temperature classic face screens, a complete screen and carrier face system designed to supply specialist protection in areas at risk of radiant heat. Suitable for use on Nexus high heat and Vulcan helmets.

Product Codes: S57CE - Carrier for Nexus High Heat and Vulcan helmet / S57TCE - Carrier fitted with thumbscrews



HIGH TEMPERATURE CLASSIC FACE SCREENS

High Temperature face screens available for high temperature applications.

- To be used with Premium or Classic High Temperature Face Screen Carriers

Product Codes: High Temperature face screens: S598 - Triacetate Clear / S760 - Gold Polycarbonate



2 POINT EN 397 LEATHER CHINSTRAP

Specifically designed to complement the Nexus High Heat helmet, a leather chin strap to cope with high temperature environments.

Product Code: S30L - Nexus High Heat helmet / S30V - Vulcan helmet



HIGH TEMPERATURE ALUMINISED NECK CAPE

Complementing the Nexus High Heat and Vulcan helmets, this aluminised Neck Cape ensures maximum heat dissipation from the wearer.

Product Code: S36

HEARING PROTECTION & VISIBILITY



SCALA XI EAR DEFENDERS

Designed and approved to fit all Centurion helmets. Excellent noise protection, especially for high frequencies. SNR 30 dB.

- Available to fit Euro, Connect or Combi slot helmets

Product Codes: S72CE



SCALA X EAR DEFENDERS

A helmet mounted ear defender system to complement all Centurion safety helmets. Suitable for most general requirements. SNR 25 dB.

- Available to fit Euro, Connect or Combi slot helmets

Product Codes: S71CE



HIGH INTENSITY REFLECTIVE STICKERS

Making the safe, safer. A set of high intensity, highly reflective accessory stickers, bespoke for the Centurion range of safety helmets. Helps to increase visibility of workers in low light level environments meeting material specification of EN 12899-1 Ra2.

- Provides coverage on front, side, rear and top of the helmet
- Sticker sets for the Nexus helmet - available in 6 colours
- Sticker set for Reflex, Concept, Vision Plus and Spectrum helmets in Silver

Product Codes: Nexus: S30*NHIRS

Spectrum, Vision Plus, Concept and Reflex: S30HIRS
(*Insert colour of stickers)

COLOUR VARIATIONS

R O G B Y S S30*NHIRS

S S30HIRS

CHINSTRAPS & MOUNTING

Global data and our own analysis highlighted changes in the market with chinstrap usage becoming more specified in growing regions such as Scandinavia and Asia. Working at height is also a rapidly growing market segment, and so too are the injuries that result from this environment. We strongly believe chinstraps should be fitted on industrial safety helmets – whether on or above ground. They provide added helmet retention / security and help workers shaping our world deliver their best.



4 POINT EN 12492 CHINSTRAP

Designed specifically for the demanding Nexus HeightMaster helmet, a replacement chinstrap to ensure EN 12492 compliance.

- Grey in colour to differentiate workers on site from EN 397 chinstraps

Product Code: S30NY



4 POINT EN 397 SECURE PLUS CHINSTRAP

Ergonomically designed chinstrap conforming to EN 397. Fitted to all SecurePlus helmet variants.

- Black in colour to differentiate workers on site from EN 12492 chinstraps

Product Codes: S30LY



2 POINT EN 397 ELASTICATED CHINSTRAP

2 point elasticated chinstrap to complement the Centurion range of helmets, fully approved to EN 397. Fitted with chin cup for extra comfort

- Black in colour to identify chinstrap as an EN 397 chinstrap

Product Code: S30E



HELMET ACCESSORY CLIPS - CONNECT, EURO AND CONTOUR

Accessory clips to allow the fitment of hearing and face protection products.

- Connect and Euro clips can be used on Centurion helmets with Combi slots (1100, 1125, Reflex, Concept and Spectrums)
- Connect clips can be used on Vulcan and 1125 Reduced Peak helmets
- Euro clips can be used on Nexus and Vision Plus helmets
- Contour clips can be used on Nexus and Concept helmets

Product Codes: Connect Accessory Clips S570 / Euro Accessory Clips S565 / Contour Accessory Clips S585

COOLING SYSTEMS

KALIS DRY COOLING ACCESSORIES

The **NEW** patent-pending Dry Cooling technology is designed to provide enhanced cooling comfort for the wearer. The Kalis dry cooling system is shown to keep the wearer 15°C/27°F cooler than ambient temperature and completely dry. It keeps the wearer cooler for up to 4 times longer compared to wet cooling products.

ATTRIBUTES

- Keeps the wearer 15°C (27°F) cooler than the ambient temperature
- Up to 5 times longer in use life*
- 100% dry
- Anti-bacterial and machine washable
- Utilises technology found in the high end sports industry

STANDARD



TESTED** TO

[EN 397]

[ANSI/ISEA]

[CSA/CAN] Nexus Core and Secure Plus with ratchet only

[AS/NZS 1801:] Nexus Core and Secure Plus with ratchet only

Product Codes: S31DCHP Helmet Pad / S31DCHS All Seasons Sweatband Management Kit



SUN CAPES

Lightweight Sun Cape that protects against UltraViolet UPF 50+, blocks 98% of UV radiation. Using fabric developed specifically to keep the wearer dry, cool and comfortable.

ATTRIBUTES

- Available in Bright Yellow or Orange
- Fits to all Centurion helmets

Product Codes: S51HVY Sun Cape Bright Yellow / S51HVO Sun Cape Bright Orange

WARMING SYSTEMS

At Centurion, we strive to design and offer solutions that ensure suitability with various tasks and potential hazards. Intuitive and compatible solutions will greatly enhance the user experience and, in turn, drive compliance. Our seasonal accessories have been designed to provide increased comfort for workers in the harshest conditions. A specialised version is available to provide flame retardant, anti-static and arc Class 2 protection.



NEW HELMET AND BUMP CAP WINTER BEANIE

The snug fitting Winter Beanie fits securely on the head under a helmet or bump cap to provide warmth and comfort during winter months or in cold storage environments.

- Tested in all Centurion helmets and bump cap systems
- The water resistant coating provides protection from the rain

Product Codes: S50HCB



FROST CAPE

- Frost Cape: water resistant outer with fleece inner and bright orange or yellow colour with reflective rear strip. Zip top fastening to be fitted to fleece helmet liner
- Frost Cape with ear defender compatibility: All as per existing Frost Cape, but with integrated Fleece Helmet Liner and facility to use helmet-mounted Ear Defenders or for improved hearing due to mesh ear flaps

Product Codes: S50HVFYFC Frost Cape bright Yellow / S50HVOFC Frost Cape bright Orange / S50HVEYDFC Frost Cape bright Yellow with Ear Defender Compatibility / S50HVOEDFC Frost Cape bright Orange with Ear Defender Compatibility / S50NBFCSP Specialised Frost Cape (flame resistant, anti-static and arc protective fabric) for the specialised fleece helmet liner



UNIVERSAL FLEECE HELMET LINER

The Centurion Fleece helmet liner fits between the Centurion cradle and helmet shell to give an excellent, secure fit of the helmet on your head.

- Fits between cradle and helmet shell for full integration

Product Codes: S50UFL Universal Fleece Helmet Liner / S50UFLSP Specialised Fleece Helmet Liner (flame resistant, anti-static and arc protective fabric)



FACE WARMER

Fits to Frost Cape for total head and face warmth.

Product Code: S50FW: Face Warmer

CAP PROTECTION SYSTEMS

Our innovative bump cap range sets standards in form and function – deeply practical, supremely comfortable and stylishly designed.



NEW AIRPRO SECURE PLUS BUMP CAP

Our flagship baseball bump cap designed to provide unrivalled head retention and wearer comfort. The first ever baseball bump cap to incorporate a ratchet adjustment system.

ATTRIBUTES

- Innovative new ratchet adjustment
- Crown ventilation for increased cooling
- Treated with Dupont Teflon for easy cleaning and improved hygiene
- Liner manufactured from ABS for optimal strength
- Peak options available: Full (50mm), Reduced (30mm)
- Side Scoops available (MOQ 500 units)



Other colours available on request. Contact customer services for details.

Product Codes: S38*R (Standard Peak, 50mm) / S38*RPR (Reduced Peak, 30mm)

*Insert Colour code of cap (i.e. NB for Navy Blue) / ** Additional colours, side scoops and peak lengths are available subject to MOQ's. Please contact sales for more information.

STANDARD



OPTIONAL



APPROVED TO

[EN 812] -40°C

NEW Up to 50% better head retention and stability*

AIRPRO BUMP CAP

Our bump cap has been designed for maximum breathability, maximum comfort and minimum weight, with approval to EN 812.

ATTRIBUTES

- Designed to provide maximum breathability for increased coolness
- One of the lightest Bump caps around at only 135g
- Treated with Dupont® Teflon® fabric protector, enabling small spills and grime to be easily wiped away
- Peak options available: Full (50mm), Reduced (30mm), Micro (15mm)
- Side Scoops available (MOQ 500 units)



STANDARD



OPTIONAL



APPROVED TO

[EN 812] -40°C

Providing comfort,
safety and style



S38NB

S38RB

S38R

S38K

S38E

S38G

S38HVV

S38HVO

Product Codes: S38* (Standard Peak, 50mm) / S38*RP (Reduced Peak, 30mm) / S38NBSP (Micro Peak - Navy Blue) / S38NBRPSS (Reduced Peak with Side Scoops for Ear Defender Compatibility - Navy Blue)

*Insert Colour code of cap (i.e. NB for Navy Blue) / ** Additional colours, side scoops and peak lengths are available subject to MOQ's. Please contact sales for more information.

COOL CAP BUMP CAP

Our fashion-led CoolCap combines high ventilation, high flexibility and reassuring protection against minor bumps and scrapes to the head.

ATTRIBUTES

- Cap is fitted over an ABS liner to provide lightweight head protection
- Corporate badging via embroidery or transfer print

STANDARD



APPROVED TO
[EN 812] -40°C

OPTIONAL



Product Codes: S28* (Standard Peak, 50mm) / S28NBRP (Reduced Peak, 30mm - Navy Blue only)
* Insert Colour code of (i.e. NB for Navy Blue)



High performance
ABS liner



Velcro strap for easy
adjustment

CAP 2000 BUMP CAP

Our robust CAP 2000 offers reassuring protection against minor bumps and scrapes to the head.

ATTRIBUTES

- Traditional panel baseball bump cap with ventilation mesh grills
- Complete with full 360° ABS liner

STANDARD



APPROVED TO
[EN 812] -40°C

OPTIONAL



S18NB S18K

Product Code: S18* (Standard Peak, 60mm)
* Insert Colour code of cap (i.e. NB for Navy Blue)

CAP PROTECTION STANDARDS

EN 812 Bump Caps provide protection to the wearer against the effects of striking head/scalp against hard or sharp stationary objects. Not intended to provide protection against effects of falling, thrown objects, moving or suspended loads.

MANDATORY TESTS	Shock Absorption	EN 812
	Drop height	0.25 metre
	Maximum force allowed	15 kiloNewtons
	Energy Transmitted during test	12.5 joules
	Striker face and weight	100mm diameter flat, 5kg
	Test Conditions	-10°C, +50°C, water immersion and artificial ageing
	Penetration Resistance	EN 812
	Drop height	0.5 metre
	Energy Transmitted during test	2.5 joules
	Striker Mass	0.5kg
Test Conditions	-10°C, +50°C, water immersion and artificial ageing	

BSI Kitemark

By purchasing a product accredited with the BSI Kitemark, the user can be confident that the product continually meets the performance characteristics of the initial sample submitted for type approval.



BSI independently audit test the product on a regular basis and in order for us to retain the Kitemark, we must routinely batch test products in our own laboratory and have process control procedures in place within our production.

Centurion also hold BS EN ISO 9001:2015, a quality management standard, covering the design management, development and manufacture of our products, having held ISO 9001 since 1992.

HELMET LOGO PRINTING

Product	Print Area on Helmet	Max Print Size (1)		Min, Order Qty (2)	Max Colours per position (3)
		Width	Height		
Spectrum	Front	95mm	45mm	40	6
	Sides	100mm	20mm		
	Back	100mm	20mm		
Vision Plus	Front	70mm 60mm 25mm	10mm or 50mm or 60mm	40	6
	Back	100mm	30mm		
Nexus	Front Sides Back	75mm 50mm 50mm	40mm 40mm 50mm	40	6
Nexus HeightMaster				10 Nexus HM only	
Concept	Front	85mm 25mm	50mm or 60mm	40	6
	Sides Back	80mm 100mm 30mm	35mm 20mm or 25mm		
Reflex	Front	80mm 75mm 40mm	40mm 45mm 60mm	40	6
	Sides Back (on flash)	100mm 100mm	35mm 30mm		
1125 Classic	Front	50mm 45mm 100mm	40mm or 45mm 30mm	40	5 (in total)
	Sides or Back				
1100 Classic	Front	50mm 45mm 100mm	40mm or 45mm 30mm	80	5 (in total)
	Sides or Back				

- (1) Size of logo may vary depending on shape and style of design.
- (2) This can be a mix of helmet colours and helmet type (1125 Classic/1100 Classic variant or Concept variant) providing each colour/helmet type is ordered in box quantities and the logo style and colours are the same.
- (3) Maximum number of colours per position on one helmet (except for 1125 Classic and 1100 Classic which is the total number of passes per helmet).

BUMP CAP LOGO PRINTING & EMBROIDERY

Product	Print Area on Cap Embroidery Transfer Printing (1)	Max Print Size (2)		Min, Order Qty (3)	Max Colours per position
		Width	Height		
Cap2000 and CoolCap	Front, others on request	100mm	55mm	40	5
AirPro SecurePlus AirPro	Front Sides - transfer printing only	100mm 100mm 40mm	55mm 25mm or 50mm	40	5

- (1) Minimum area 4mm square, half tones may/may not work depending on design.
- (2) Size of logo may vary depending on shape and style of design.
- (3) This can be a mix of colours, providing each colour is ordered in box quantities and is the same model and the logo style and colours are the same.

CORPORATE BADGING

Here at Centurion, we aim to make the complex simple, our four-step corporate badging process makes branding safety helmets and bump caps easy. We are proud that we can dispatch orders of under 500 units within 5 days for helmets and 10 days for Bump Caps. Corporate badging is one of the most important elements your company requires.

ATTRIBUTES

- No set up cost for new logo's
- One of the lowest minimum order quantities: 10 for Nexus HeightMaster, 40 for all other helmets and caps
- Spectrum has the widest front print area of any safety helmet
- Pad print on the front, rear and sides of helmets
- Embroider or transfer printing on the front of caps

END USER BENEFITS

- Promote your company
- Help your employees stand out on site
- Easily identify your workers task or position
- Use the helmet to promote safety messages
- Ensures PPE is provided by the company



FRONT

BACK



SIDES



Control and promote safety compliance

RESPIRATORY PROTECTION SYSTEMS

We have been producing respiratory systems for over 20 years under the Martindale brand. Now under the Centurion brand we continue to drive forward with numerous innovations and improvements. Our advanced respiratory protection is designed to help workers thrive in the most challenging environments.



CONCEPT AIR

HELMET AND FLIP UP VISOR KIT

Our most popular complete respiratory protection system, complete with head and face protection all in a storage box.

ATTRIBUTES

- 200 litres of filtered air per minute
- Lightweight and robust helmet/visor system
- Lightweight Li-ion battery, with 8 hour duration
- Complete with a TH2PSL particulate filter and 5 pre-filters



STANDARD



APPROVED TO

[EN 12941] TH2P

HELMET APPROVED TO

[EN 397] MM | -30°C | -40°C | LD | 440Va.c./1000Va.c.

VISOR TESTED TO

[EN 166] 1 | B | 9 | 3

Battery up to
25% lighter*

Product Codes: ConceptAir Kit - R23CHFUVKIT **Component codes:** Headpiece - R23CHFUV / ConceptAir 2000 Plus - R23/2000PLUS / Filter - R23P2/5 / Pre Filters - R23PF/10 / Battery - R23BLI / Battery Charger - R23BCLI / Headpiece Hose - R23HAHD

* Compared to previous Martindale nickel metal hydride battery: M23PLUS/B

CONCEPT AIR FLIP UP VISOR KIT

Complete ready to use Respiratory Protection system with lightweight flip up Polycarbonate visor and storage box - maximising all round vision.

ATTRIBUTES

- 200 litres of filtered air per minute
- Ultra-light headpiece
- Lightweight Li-ion battery, with 8 hour duration
- Complete with a TH2PSL particulate filter and 5 pre-filters

STANDARD



APPROVED TO

[EN 12941] TH2P
[EN 166] 1 | B | 9 | 3

Product Codes: ConceptAir Kit - R23FUVNKIT **Component Codes:** Headpiece - R23FUVN / ConceptAir 2000 Plus - R23/2000PLUS / Filter - R23P2/5 / Pre Filters - R23PF/10 / Battery - R23BLI / Battery Charger - R23BCLI / Headpiece Hose - R23HAHD



Battery up to 25% lighter*



Battery up to 25% lighter**

CONCEPT AIR WELDING SHIELD KIT

Versatile ready to use welding respiratory protection system, complete with high performance Auto-Darkening welding filter and storage box.

ATTRIBUTES

- 200 litres of filtered air per minute
- High Performance Welding Shield with grinding mode
- lightweight Li-ion battery, with 8 hour duration
- Complete with a TH2PSL particulate filter and 5 pre-filters

STANDARD



APPROVED TO

[EN 12941] TH2P

ADF LENS APPROVED TO

[EN 379] Class 1.1.1.1

WELDING SHIELD APPROVED TO

[EN 175] TH2P

Product Codes: ConceptAir Kit - R23AWH9/13KIT **Component Codes:** Headpiece - R23AWH9/13 / ConceptAir 2000 Plus - R23/2000PLUS / Filter - R23P2/5 / Pre Filters - R23PF/10 / Battery - R23BLI / Battery Charger - R23BCLI / Headpiece Hose - R23HAHD

* Compared to previous Martindale nickel metal hydride battery: M23PLUS/B

** Compared to previous Martindale nickel metal hydride battery: M23PLUS/B

NEW NEVIS UNPOWERED FRESH AIR (FABA) SYSTEM

Unpowered Fresh Air Breathing Apparatus system suitable for use in Oxygen deficient atmospheres, including confined spaces and potentially explosive environments for short duration work

ATTRIBUTES

- Lightweight Full-Face Mask – excellent vision with an excellent fit
- 9m hose supplied in storage box
- Can be used with hose lengths up to 20m

STANDARD



APPROVED TO

[EN 138] Class 2

Product Codes: R26/400S (Small) R26/400M (Medium) R26/400L (Large) **Component codes:** R08NFF - Full Face Mask (S/M/L) / R26TAH - Twin Air Hose / R26/003P - Belt with hose connector / R269MH - 9 Metre Breathing Hose / R26SA - Strainer and Anchor pin assembly / R26/005 - Storage Box / M08SC3BAG - Mask Storage Bag
Optional Hose Lengths: R26/20 - 20m Breathing Hose



NEW and IMPROVED

Modern, lightweight Full Face mask available in 3 sizes - with twin hose connection

NEW NEVIS POWERED FRESH AIR (FABA) SYSTEM

Powered Fresh Air Breathing Apparatus system. Air is supplied from an electrical supplied blower system for longer duration work.

ATTRIBUTES

- Up to 500L/min of supplied fresh air
- Lightweight Full-Face Mask – excellent vision with an excellent fit
- 9m hose supplied in storage box
- Can be used by 1 or 2 users up to 40m

STANDARD



APPROVED TO

[EN 138] Class 2

NEW and IMPROVED

Modern, lightweight Full Face mask available in 3 sizes - with twin hose connection



Product Codes: R26/500S (Small) R26/500M (Medium) R26/400L (Large) **Component codes:** R08NFF - Full Face Mask (S/M/L) / R26TAH - Twin Air Hose / R26/003P - Belt with hose connector / R269MH - 9 Metre Breathing Hose / R26SA - Strainer and Anchor pin assembly / R26/005 - Storage Box / M08SC3BAG - Mask Storage Bag / R26LWT110 - Mini-turbine 110v **Optional Hose Lengths:** R26/20 - 20m Breathing Hose / R26/30 - 30m Breathing Hose / R26/40 - 40m Breathing Hose **Optional Mini-turbine:** R26LWT240 - Mini-turbine 240v (UK or EU)

RESPIRATORY PROTECTION STANDARDS

Whilst every effort is made to ensure the accuracy of product information, Centurion Safety Products Ltd reserves the right to improve and modify specifications at any time without prior notice.

WORK PLACE PROTECTION FACTORS - What is a protection factor?

Nominal Protection Factor: The minimal level of protection that the equipment has to demonstrate under laboratory test conditions when tested in accordance with the European Norm.

Assigned Protection Factor: The level of respiratory protection that can be expected to be achieved in the workplace by 95% of adequately trained and supervised wearers using a properly functioning and correctly fitted respiratory device. (More information on Assigned Protection Factors is detailed in EN 529:2005 Respiratory Protective Devices – Recommendations for selection, use, care and maintenance – Guidance document).

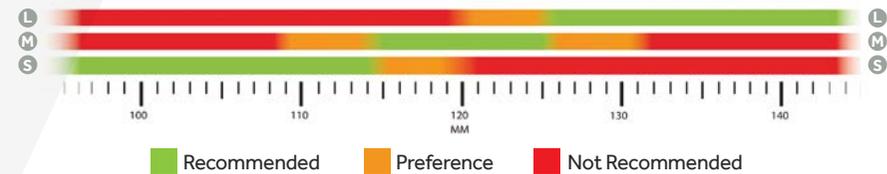
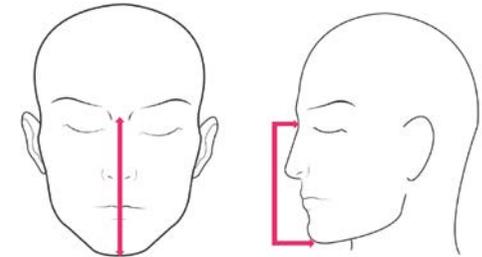
Assessing the minimum required protection factor (MRPF) To determine your minimum required protection factor it is necessary to know the worst case concentration of airborne contamination in the work place.

NEVIS Mask Sizing Instructions

Use any convenient measuring tool to measure the distance from the bridge of your nose to the tip of your chin.

Do not follow the contour of the nose as this will give you incorrect measurements.

Plot your measurements on the graph below to find the best mask fit.



Product	Standard	Description	Classification	Nominal P.F	Assigned P.F (UK)	Filter Options	Additional Headpiece Certification
ConceptAir Helmet/Visor Kit	EN 12941	Powered filtering devices incorporating a helmet or a hood	TH2	50	20	TH2P (Particulate)	EN 166 1 B 9 3 EN 397
ConceptAir Visor Kit	EN 12941	Powered filtering devices incorporating a helmet or a hood	TH2	50	20	TH2P (Particulate)	EN 166 1 B 9 3
ConceptAir Welding Kit	EN 12941	Powered filtering devices incorporating a helmet or a hood	TH2	50	20	TH2P (Particulate)	EN 175
Magnum 8500 Full Face Mask Kit	EN 12942	Power assisted filtered devices incorporating full face masks	TM3	2000	40	TM3P (Particulate) TM3A2P (Organic Gases/Vapours & Particulate) TM3ABEK2P (Organic, Inorganic, Acid, Ammonia Gases/Vapours & Particulate)	EN 136
Nevis Fresh Air BA Kit	EN 138	Fresh air hose breathing apparatus for use with Full Face mask	Class 2	2000	40	n/a	EN 136

Information is for guidance and reference only and may be subject to change. The Assigned Protection Factors in the above table refer to UK guidance only.

TRAINING IS AN ART, NOT JUST AN EDUCATION

The investment in training, through both provision and participation, is the responsibility of all in the PPE chain, from the manufacturer, through distribution to the wearer.

At Centurion, we believe that microlearning will really gain momentum in 2019. This non-traditional form of education allows employees to participate in training sessions that last less than sixty minutes, from a device of their choice. It offers many benefits, including making content more digestible, relevant and accessible. People are more likely to benefit from training when it's not too long and intimidating.

We are starting to see enhanced levels of innovation in head protection – new materials, more demanding standards (like EN 12492, EN 14052), increased numbers of patented features and accessories. This will not alone eliminate the risks and accidents if people do not get enhanced levels of training to understand the issues and the importance of life-saving protection and why exceeding the standards can save further lives. As experts in above-the-neck safety, we believe in making safe, safer through both education and product design.

- What are chinstraps there for and why, given their advantages, are they not far more prevalent?
- Should the helmet be vented or unvented?
- What can I do in certain weather environments to make sure the head protection still functions?
- What is the Kitemark?
- What are helmets made of and are all materials as strong?
- How do liners improve impact protection and why does that matter?

- How do I check that the helmet is still fit for purpose?
- What should people consider regarding the compatibility of above-the-neck protection?
- What is available for high heat environments?
- How do I care for my safety helmet?

A key challenge for manufacturers is to provide the correct levels of training and education to support the varying applications, standards and product ranges. Training needs to increase in scale and depth across our industry. What better place to focus on than head protection – a core symbol of PPE and the ultimate lifesaving equipment? Sub-standard or ill-specified products in this area will result in the most serious injury or even death. We need to do our part to increase the level of understanding for both company safety officers and wearers alike, to drive the correct use of compatible products, through a better understanding of the “what” is available and the “why” it is suitable.

We are proud to be a pioneering PPE manufacturer that offer bespoke training aimed at educating the market and not selling product. Our training modules deliver a clear understanding of protection in relation to risk utilising over 100 years of expertise in above-the-neck protection.

If you are interested in receiving relevant, bespoke microlearning training on any of the highlighted topics, please contact: chris.tidy@centurionsafety.co.uk



ICON KEY

As you may have noticed, we have created a dynamic new look for the Centurion brand. This goes far beyond “just a logo change”. Below, we have created a suite of icons to help simplify the navigation of our collection and enhance your experience.



ABS

Made with virgin ABS polymer, special grades of ABS that we have perfected over 15 years of ABS manufacturing experience.



Chinstrap - 2 Point Mounting Facility

2-point chinstrap mounting facility accessory to complement the Centurion range of helmets.



Chinstrap - 4 Point Mounting Facility

4-point chinstrap mounting facility providing additional wearer comfort and helmet stability.



Integrated Eyewear

Eye protection integrated to the helmet shell. Can provide increased impact protection, greater protection levels and a value proposition.



Reflective Stickers Available

High intensity reflective stickers available for increased visibility in poor lighting conditions.



Vented Helmet Available

Innovative ventilation system for increased airflow and a cooler helmet in warmer conditions.



Logo Service

Corporate badging available, pad printing service for helmets and embroidery or transfer print for caps.



Wheel Ratchet Headband

Premium Twist2Fit ratchet headband assembly for a secure fit.



Combi Accessory Slot

Patented Combi accessory slot for attachment of the full range of Euro and Connect accessories.



Euro Accessory Slot

Euro 30mm accessory slot for attachment of the full range of Centurion accessories.



Connect Accessory Slot

Connect accessory slot for attachment of the full range of Connect accessories.



Fire retardant

A substance that prevents or inhibits the outbreak of fire. Treated so as to be non-flammable.



High Temperature

Suitable for high temperature environments.



DryTech Sweatband

New premium DryTech sweatband provides up to 40% faster drying and absorbs 4x more moisture when compared to Centurion's previous Hydro-flock sweatband.



BSI Kitemark

BSI Kitemark approved. The Kitemark is an unrivalled stamp of quality.



Made in UK

Made in the Centurion manufacturing facility in Thetford, Norfolk, UK.



Badge Holder Available

Fitted to accessory.



Anti Static

Approved to the Anti static / explosive atmosphere standard (IEC 60079-32).



Welding

Suitable for welding applications.



Working At Height

Suitable for working at height applications.



Forestry

Suitable for forestry applications.



First to Market

Centurion were first to bring the product/concept to market.



Arc Class 1

Arc Class 1 Face Protection.



Arc Class 2

Arc Class 2 Face Protection.



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