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Distributor

CENTURION
SAFETY PRODUCTS

head protection
& accessories

CENTURION



Company Profile

A history of safety development

In 2004, Centurion Safety Products Ltd celebrates 125 years in business. The company's association with safety has been long and varied, going back to the days in the late 19th century when it made pith helmets and water bottles for the army. In subsequent years, hard hats were supplied for use in mines and shipyards and to other industrial users throughout the world. During the second World War, the company supplied specially adapted miners hats for the Royal Tank Regiment.

By the late 20th century, products included a wide range of injection moulded motorcycle helmets, exported throughout the world as well as a range of industrial safety helmets, supplied to major UK companies including mining helmets to the National Coal Board.

21st Century - looking ahead

Centurion Safety Products Ltd has established an unrivalled reputation for the quality of its Centurion industrial safety helmets and Connect accessories providing complete head, face and hearing protection. The company's product offer also includes Martindale branded respiratory protection systems incorporating powered, compressed air and fresh air ranges.

The commitment is to first class product quality with the ability to respond quickly to changes in legislation and market requirements. This, combined with the Centurion policy of innovation and rigorous testing in product development, ensures that now and in the future the company offers products and services which meet customer demands quickly and efficiently.

Manufacturing premises

In 1990, Centurion Safety Products moved to new manufacturing premises to accommodate its growing requirements. Plans allowed further expansion on the site at a later date, this occurred in 1998, with the opening of an extension, which doubled the production capacity, allowing for continuous planned growth during the next few years.

As part of the commitment to product quality and innovation, the premises incorporate a modern and fully equipped laboratory, which is utilised for helmet and respiratory product development as well as routine quality assurance testing.

Product quality

The emphasis on quality and innovation gained formal recognition with the achievement of ISO9002 quality system accreditation through the BSI in 1994 and ISO9001 accreditation in 1996. These accreditation's are and will be maintained and updated as these systems are revised and upgraded.

As detailed below, Centurion also has products accredited with the BSI Kitemark, a further indication of the focus on product quality, which includes random external testing of normal manufactured product.

The Centurion team

A high level of technical expertise and support is offered to PPE users, covering both Centurion head protection and Martindale respiratory protection ranges. Quality assured product performance, subject to continual testing and assessment, is further enhanced by added value service from knowledgeable Health & Safety professionals.

Centurion Safety Products is fortunate in having a strong and committed team working on all aspects of development, manufacture, sales and customer service. Their contributions and individual roles are valued and recognised, so that as a team everyone works towards common quality goals and objectives. A corporate culture is encouraged, to build on staff potential, allowing for growth and development within the organisation.



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, regularly audit test the product 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. BSI also regularly audit our quality and management procedures to ensure continual compliance.

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.



Head Protection

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General Purpose Safety Helmets

Centurion's range of general purpose helmets offers an unrivalled level of assured protection. The lightweight precision moulded HDPE shells guard the wearer against impact, are well balanced and extremely comfortable to wear.

1125 and 1100

The 1125 and 1125 reduced peak helmets have a terylene cradle and a comfortable sweatband. The 1100 and 1100 reduced peak helmets come with an economy plastic cradle.

Refer to page 7 for information on safety helmet headbands



Reduced Peak provides enhanced upward visibility with no loss of protection.

Spartan

Excellent value helmet with rain gutter, economy cradle and headband.



	Spartan	1100	1125
Shell Material	HDPE (High density polyethylene)	HDPE (High density polyethylene)	HDPE (High density polyethylene)
Weight	350g	375g	350g (small) 365g (large)
Size	51-63cm	51-63cm	51-58cm (small) 51-63cm (large)
Cradle	LDPE (Low density polyethylene)	LDPE (Low density polyethylene)	Sewn terylene
Peak type	Standard	Standard and Reduced option	Standard and Reduced option
Sweatband	-	-	Brushed Nylon
Standard	EN 397	EN 397	EN 397
Standards options	440V a.c., MM, -10°C	440V a.c., LD, MM, -10°C	440V a.c., LD, MM, -40°C
Accessories	Not compatible with the CONNECT range of accessories	Compatible with the CONNECT range of accessories	Compatible with the CONNECT range of accessories
Options	Corporate Badging and Ventilation holes facility not available, chinstrap	Reduced peak, Corporate Badging and Ventilation Holes, chinstrap	Reduced Peak and small size, Corporate Badging and Ventilation holes, chinstrap
Code	S05	S01, S24 (reduced peak)	S03 (large) S04 (small) S17 (reduced peak large)

For helmet colours refer to page 15

Specialised Safety Helmets

Industry's safety requirements can be as varied and individual as industry itself. Centurion recognises this fact, and therefore has devised a flexible range of specialist safety helmets.

Linesman ▶

The Linesman is a reduced peak helmet offering enhanced all round vision together with a range of features to ensure that it remains firmly in place in adverse weather conditions. It satisfies all the electric insulation requirements of EN 397 and comes complete with a high security head harness, quick release chinstrap, comfortable terylene cradle and sweatband.

Roofer ▼

The Roofer has been designed especially for use in windy, exposed conditions. Its adjustable Ratchet headband ensures a secure fit and the helmet comes complete with a terylene cradle, vabon sweatband, ventilation holes and slides for extra comfort.

For Ratchet specification, refer to page 7



▶ Miner

The Miner is fitted with a PVC sweatband, comfortable terylene cradle, lamp bracket and cable clip.



	Linesman	Roofer	Miner
Shell Material	HDPE (High density polyethylene)	HDPE (High density polyethylene)	HDPE (High density polyethylene)
Weight	390g	390g	380g
Size	51-63cm	52-63cm	51-63cm
Cradle	Sewn terylene	Sewn terylene	Sewn terylene
Peak type	Reduced	Reduced	Standard
Sweatband	Brushed Nylon	Vabon (soft simulated leather)	PVC
Standard	EN 397	EN 397	EN 397
Standards options	440V a.c., LD, MM, -40°C	LD, -40°C	LD, MM, -40°C
Accessories	Compatible with the CONNECT range of accessories	Compatible with the CONNECT range of accessories	Compatible with the CONNECT range of accessories
Other	Quick-release chinstrap with a high security head harness	Ratchet adjusting headband and ventilation holes with slides	Lamp bracket and cable clip holder at rear
Options	Chinstrap, Corporate Badging and Ventilation Holes	Chinstrap, Corporate Badging	Chinstrap, Corporate Badging and Ventilation Holes
Code	S17L	S17RWJ	S13

For helmet colours refer to page 15

VISION

Anyone can see why workers want the Vision safety helmet. Striking, modern design, extended nape, reduced peak, and a fully retractable visor – Vision has it all.

Better still, anyone can wear it, because the retractable visor not only protects your eyes, it has also been designed for use with spectacles.

Fully compatible with Centurion Connect accessories, the Vision can provide total head, face and hearing protection for the majority of industrial applications.



Specialised Safety Helmet with integrated eye protection

- Fully retractable visor
- Standard prescription spectacles can be worn comfortably underneath visor
- No nose moulding therefore increasing safety and visibility
- Corporate branding on front, rear and sides
- Extended nape area providing extra neck protection
- Ratchet headband option for simpler size adjustment

Vision	
Shell Material	ABS (Acrylonitrile-Butadiene-Styrene)
Weight	495g - 450g without visor
Size	51-63cm, 52-63cm with Ratchet
Cradle	Sewn Terylene
Peak type	Reduced
Sweatband	Brushed Nylon
Standard	EN 397, EN 166
Standards options	Helmet to: -40°C, 1000V a.c., LD, MM Visor to: grade B (Medium Energy)
Accessories	Compatible with the CONNECT range of accessories
Options	Chinstrap, Ratchet headband, Corporate Branding
Codes	S10, S10R (with Ratchet), S578 spare visors

For helmet colours refer to page 15



Centurion Safety Products Ltd
Introduces
a **NEW** Baseball Bump Cap

CoolCap



CoolCap Baseball Bump Cap

The **New CoolCap Baseball Bump Cap** is both a fashionable workwear item as well as giving maximum comfort during prolonged use. The new design Baseball Cap is fitted over an ABS liner to provide lightweight head protection where high impact resistance is not essential, but where there is a risk of minor bumps or scrapes to the head.

The **CoolCap** incorporates many new features and benefits, in particular large ventilation mesh panels, providing the maximum ventilation allowed within EN 812. The ventilation panels are on each side of the cap, thereby providing an improved flow of air, both reducing heat build up and increasing user comfort.

The **CoolCap** comes fitted with a foam insert either side of the cap for additional comfort and side impact protection - making the sides of the **CoolCap** 45% more shock absorbent compared to a standard ABS liner. These side foam inserts are optional and are not necessary for the EN 812 test performance - so can be removed if preferred.

Other features include:

- Sleek 3 panel design with large front panel, ideal for large corporate logos, either with high quality embroidery or printing methods.
- The high level of comfort is provided by the liner and cap design, the method of ventilation and the closed cell central pad. Improved head retention by increased strap/cap depth at the rear also provides maximum comfort as well as security of the cap on the head.
- The peak is reduced for improved upward visibility.
- Easy size adjustment is provided via the metal buckle clasp - the excess strap can be threaded into the metal eyelet to ensure neatness, whilst also being a safety feature by preventing the excess strap from snagging on machinery, etc.
- Wide choice of colours including High Visibility Orange in Polyester material with reflective strips around peak, sides and rear. Other colours include Navy Blue, Royal Blue, Red, Black and Green, all in Brushed Cotton material.



Bump Caps

The Centurion Bump Cap and CAP 2000 Baseball Bump Cap provide lightweight head protection where high-impact resistance is not essential but where there is a risk of minor bumps or scrapes to the head. They are not to be used as an industrial safety helmet.

Bump Cap

The polyethylene Bump Cap is available in five colours and features a comfortable PVC sweatband, as well as a replaceable, adjustable plastic cradle. The Bump Cap is ideal for use in the food processing/manufacturing industry.

CAP 2000 Baseball Bump Cap

The CAP 2000 boasts all the safety features of the Bump Cap, whilst also doubling as a fashionable, comfortable piece of workwear. Headband-mounted ear defenders and goggles or spectacles can be worn to provide combined head, eye and hearing protection. The additional features of this model are many – in particular, to supply increased airflow the CAP 2000 includes a high level of ventilation via large ventilation holes.

	CoolCap	CAP 2000	Std Bump Cap
Shell Material	ABS (Acrylonitrile-Butadiene-Styrene)	ABS (Acrylonitrile-Butadiene-Styrene)	HDPE (High density polyethylene)
Cap Material	Brushed cotton (except high visibility orange = polyester)	Cotton with Lycra content	-
Weight	155g	165g	195g
Size	54-60cm	54-59cm	54-59cm
Adjustment Method	Via easy-to-adjust metal buckle clasp with tuck-in strap eyelet	Via Velcro strap with tuck-in strap eyelet	Via standard LDPE headband strap
Cradle/Pad	Closed cell foam shock absorbing central pad	Closed cell foam shock absorbing central pad	LDPE (Low density polyethylene)
Peak type	Reduced	Standard	Standard
Sweatband	Interlining/Foam incorporated in headband	Interlining/Foam incorporated in headband	PVC
Standard	EN 812	EN 812	EN 812
Standards options	-30°C	-30°C	-30°C, 440V a.c., F
Ventilation	Large ventilation mesh side panels	Large ventilation holes with mesh grilles	-
Options	Corporate Badging via embroidery or printing	Corporate Badging via embroidery or printing	Corporate Badging via Pad Printing
Code	S28	S18	S19

For cap colours refer to page 15

Safety Helmet Accessories

Aluminised Neck Cape: Can be fitted to safety helmets to provide additional neck protection, especially in high temperature environments.

Frost Hood: Can be worn underneath the safety helmet to provide extra protection during cold or adverse environments.

Balaclava: Provides warmth and coverage to the face in cold and adverse environments.

Helmet Accessories also include 2-point **Chinstrap** providing secure fit and different types of **Sweatbands** for extra comfort.

Retractable Eye Shield: Polycarbonate eye-shield designed for use with the Centurion 1100/1125 range of helmets.



Helmet/Bump Cap Corporate Badging

Centurion Safety Products range of badging methods on helmets and bump caps is specifically designed to enhance and publicise a company's logo and image.

For Centurion helmets and the standard bump cap, the Pad Printing facility is hard wearing and durable. The unlimited range of colours can be produced to a specific pantone reference to exactly match a company logo. Alternatively a helmet sticker service, with adhesive that has been tested and approved for use on safety helmets, is available if preferred.

For the CoolCap and CAP 2000 bump caps, an embroidery or transfer printing service provides a high quality finish for on baseball caps.

Helmet and Bump Cap Badging				
	Product	Print Area on Helmet	Max. Print Size	Max. Colour
Pad Printing	All helmets except Spartan. Bump caps, not Baseball Bump Caps	All products except Vision: Front	53mm x 65mm or 40mm x 40mm 100mm x 30mm	5
		Back or Sides Vision helmet: Front	70mm x 25mm or 63mm x 35mm 100mm x 30mm 80mm x 20mm	
Labels	All helmets except Spartan. Bump caps, not Baseball Bump Caps	Front, Back or Sides	Depending on shape & size	4
Embroidery	Baseball Bump Caps only	Front, other areas on request	100mm x 65mm	5
Transfer Printing	Baseball Bump Caps only	Front, other areas on request	100mm x 65mm	3

CONNECT[®]

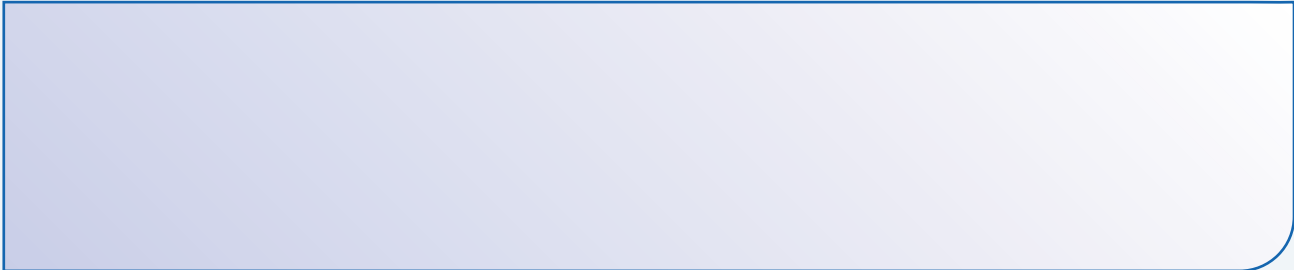
Face & Hearing Protection

It's vital, in this multi-skilled era, that your equipment is as versatile as your workforce. You need to choose a safety system that can be modified to your needs quickly and simply. Adding elements as and when you require them is a must.

That's where Centurion's Connect System is a real advantage. Separate units combine and interchange, ensuring that you get the right protection necessary for each and every project.

This comprehensive system adds first-class hearing, sight, face and heat protection to our range of safety helmets. The components are hard-wearing, easy to use and the best in the market. With the innovative headband mounted Browguard, you don't even need a helmet to enjoy the safety Centurion provides!





High Temperature Face Protection

The Connect high temperature face protection range is specifically designed for use with the Centurion Vulcan high temperature helmet. When used in conjunction with the Connect range of helmet mounted ear defenders, the system provides head, face and hearing protection in high radiant heat environments.

The high temperature system is ideal for use in areas such as Glass Manufacturing, Iron and Steel Foundries, Aluminum Smelting and High Temperature Chemical Manufacturing.



Specialised Face Protection

In addition to general purpose and high temperature face protection, the Connect range offers face protection for specialist applications, such as for use in forestry and welding environments.

The strong forestry visor is mounted onto the Connect general purpose face screen carrier for added strength and stability.

The helmet mounted welding shield has a large window that can be flipped up when not required.

Specialised Face Protection		
	Welding Shield	Forestry Visor
Material	Polyamide PA6 (Nylon)	Nylon-coated metal mesh
Length	225mm. Window - 110 x 90mm flip front	170mm (visible = 150mm)
Standard	EN 175	EN 1731
Code	S903N	S59, S25 (Forestry pack - S41C ear defender, S59 and 1125 orange helmet)



High Temperature Face Protection							
	Face Screen Carrier	Face Screens					
Material	Polyetherimide	Triacetate Clear	Triacetate Green/ Clear Shade 3	Triacetate Green/ Clear Shade 5	Triacetate Green Shade 3	Triacetate Green Shade 5	Polycarbonate Gold
Visible length	-	210mm	210mm	210mm	210mm	210mm	210mm
Standard	EN 166	EN 166	EN 166	EN 166	EN 166	EN 166	EN 166
Standards options	-	1 F 9 3	1 F 9 3 (EN 169 3)	1 F 9 3 (EN 169 5)	1 F 9 3 (EN 169 3)	1 F 9 3 (EN 169 5)	1 F 9 3 (EN 169 8, EN 171 4-8)
Temperature resistance - no softening before:	300°C	93°C	93°C	93°C	93°C	93°C	140°C*
no melting before:	380°C	250°C	250°C	250°C	250°C	250°C	150°C
Code	S57	S598	S603	S605	S613	S615	S760

* Gold tint deflects radiant heat and therefore withstands higher temperatures



Hearing Protection

Hearing is at risk from many sources of noise in the workplace, therefore the availability of suitable hearing protection is of vital importance. Centurion offers a comprehensive range of top quality hearing protection for use in all working environments.

Our helmet mounted ear defenders are part of the fully integrated Centurion Connect range of accessories and are compatible with the 1100, 1125, Miner, Roofer, Linesman, Vulcan and Vision helmets.

Whichever Centurion hearing protection you choose, the modern, stylish designs are especially comfortable during prolonged wear and give effective protection against most noise hazards experienced in industry. Made from the highest quality materials, they conform to the requirements of the European EN 352 standard.



Aegean Ear Defender
Excellent protection, especially for higher frequencies

Baltic Ear Defender
General purpose economy product, suitable for most requirements



		Aegean			Baltic		
Standard Code		EN 352-3			EN 352-3		
		S42C for General Purpose/Specialised Helmets			S41C for General Purpose/Specialised Helmets		
		S42V for Vision Helmet			S41V for Vision Helmet		
		Aegean			Baltic		
Attenuation Data: Frequency Hz	Mean Attenuation	Standard Deviation (db)	Assumed Protection (db)	Mean Attenuation	Standard Deviation (db)	Assumed Protection (db)	
63	18.1	3.3	14.8	14.7	3.0	11.7	
125	16.6	3.5	13.0	11.9	2.9	9.1	
250	21.8	2.9	18.9	16.4	2.8	13.6	
500	25.6	3.8	21.8	22.3	3.6	18.7	
1000	37.5	2.6	34.9	32.3	3.6	28.7	
2000	35.6	2.9	32.7	30.8	3.4	27.4	
4000	44.0	6.6	37.4	34.5	2.8	31.7	
8000	41.6	7.2	34.4	34.6	6.9	27.7	
H = 34dB, M = 27dB, L = 20dB, SNR = 30dB				H = 29dB, M = 22dB, L = 15dB, SNR = 25dB			

EN 397/EN 812 Head Protection Options

Symbol
MM
-20°C/-30°C
-40°C
LD
440V a.c./1000V a.c.
F
All helmets perform to +50°C and -10°C

Explanation
Molten Metal
Low Temperature Performance
Low Temperature Performance (currently outside the scope of EN 397:1995)
Lateral Deformation
Electrical Insulation - unvented shell only (1000V a.c. currently outside the scope of EN 397:1995)
Flame Resistant

EN 166 Personal Eye Protection Options

Standard	Symbol	Explanation
EN166	1	Optical Class
EN166	F	Low Energy Impact
EN166	B	Medium Energy Impact
EN166	9	Non adherence of molten metal and resistance to penetration of hot solids
EN166	3	Protection against liquid droplets/splashes
EN166	8	Protection against Short Circuit Electric Arc
EN169	3	Filters for personal eye-protection equipment used in welding and similar operations. Scale number 3
EN169	5	Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light alloys) Oxygen Cutting.
EN169	8	Filters for personal eye-protection equipment used in welding and similar operations. Scale number 8
EN170	3-1, 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 most of the UVB bands. Low pressure mercury lamps such as germicidal lamps
EN171	4-8	Protection against infra red radiation filters. Typical application in terms of mean temperature sources up to 1800°C.

Helmet/Bump Cap Colour Key

The colour swatches below are for illustrative purposes only - colours will also vary between shell/cap materials



White (W)

Spartan Helmet
1100/1125 Helmet (including Reduced Peak)
1125 Small Size Helmet
Linesman Helmet
Roofer Helmet
Miner Helmet
Vision Helmet
Vulcan Helmet
Bump Cap



Yellow (Y)

Spartan Helmet
1100/1125 Helmet (including Reduced Peak)
Linesman Helmet
Roofer Helmet
Vision Helmet
Vulcan Helmet
Bump Cap



Blue (B)

Spartan Helmet
1100/1125 Helmets (including Reduced Peak)
Linesman Helmet
Roofer Helmet
Vision Helmet
Bump Cap



Grey (E)

1125 Helmet



Red (R)

Spartan Helmet
1100/1125 Helmets (including Reduced Peak)
Linesman Helmet
Roofer Helmet
Vision Helmet
CoolCap Baseball Bump Cap
CAP 2000 Baseball Bump Cap



High Visibility Yellow (HVV)

1125 Helmet



Green (G)

Spartan Helmet
1100/1125 Helmets (including 1125 Reduced Peak)
Linesman Helmet
Vision Helmet
CoolCap Baseball Bump Cap
CAP 2000 Baseball Bump Cap
Bump Cap



Navy Blue (NB)

CoolCap Baseball Bump Cap
CAP 2000 Baseball Bump Cap



Orange (O)

Spartan Helmet
1100/1125 Helmets (including Reduced Peak)
Linesman Helmet
Roofer Helmet
Vision Helmet
Bump Cap



Royal Blue (RB)

CoolCap Baseball Bump Cap
CAP 2000 Baseball Bump Cap



Black (K)

1125 Helmet
1100 Reduced Peak Helmet
CoolCap Baseball Bump Cap
CAP 2000 Baseball Bump Cap



High Visibility Orange (HVO)

CoolCap Baseball Bump Cap