

Head, Face and Hearing Protection

Customer Service Hotline
01842 855045

Head Protection Standards and Options		
Standard	Symbol	Explanation
EN 397:1995+A1/EN397:2012+A1:2012	MM -20°C/-30°C -40°C LD 440V a.c./1000V a.c.	Molten Metal - unvented shell only Low Temperature Performance Low Temperature Performance (currently outside the scope of EN 397) Lateral Deformation Electrical Insulation - unvented shell only (1000V a.c. currently outside the scope of EN 397)
EN 50365:2002	⚡	Electrically insulating helmets for use on low voltage installations
EN 12492:2012		Helmet for Mountaineers
ANSI/ISEA Z89.1-2009	Type 1 Class C Type 1 Class E Type 1 Class G LT	American National Standard for Industrial Head Protection 20,000V a.c. Electrical Insulation (American National Standard for Industrial Head Protection) 2,200V a.c. Electrical Insulation (American National Standard for Industrial Head Protection) Low Temperature
GOST	+90°C	Russian Standard for Industrial Head Protection (includes high heat approval to +90°C)
EN 812:1997	F -20°C/-30°C 440V a.c.	Flame Resistant Low Temperature Performance Electrical Insulation (S19 bump caps only)
EN 812:1997+A1:2001		Including 60° and 30° impact protection and all wording specified to a minimum text of 8 points
EN 397:1995+A1/ EN 397:2012+A1:2012 & EN 812:1997/EN 812:1997+A1:2001		All Helmets and Bump Caps perform to +50°C and -10°C

Personal Eye and Hearing Protection Standards & Options		
Standard	Symbol	Explanation
EN 166:2001	1 A B F T 9 3 4 8	Optical Class High Energy Impact (190 m/s) Medium Energy Impact (120m/s) Low Energy Impact (45m/s) Resistance to high speed particles at extreme temperature (-5°C and +55°C) Non adherence of molten metal and resistance to penetration of hot solids Protection against liquid droplets/splashes Protection against large dust particles Protection against Short Circuit Electric Arc
EN 169:2002	3 5	Filters for personal eye-protection equipment used in welding and similar operations. Scale number 3 Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light alloys) Oxygen Cutting. Scale number 5
EN 170:2002	2C-1,2 2-1, 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 with good colour recognition As 2C-1,2 above - colour recognition may be impaired
EN 171:2002	4-5	Protection against infrared radiation. Typical application in terms of mean temperature sources up to 1390°C
EN 172:1995	5-2,5 5-3,1	Sun-glare filters for industrial use Sun-glare filters for industrial use - meets the requirements for recognition of signal lights
EN 175:1997		Equipment for eye and face protection during welding and allied processes
EN 1731:1997		Mesh type eye and face protectors for industrial and non-industrial use against mechanical hazards
GS-ET-29 Revision: 1 (2010 - 12)		Supplementary requirements for the testing and certification of face shields for electrical works
ANSI/ISEA Z87.1-2010		American National Standard for Eye and Face Protection
EN 352-3:2002		Hearing Protectors - general requirements. Part 3 - Ear-Muffs attached to industrial safety helmet

Application references (referred to within tables on page 22 and 23) are for guidance only and a full risk assessment should be carried out by Health and Safety Officers or further guidance sought by contacting us or liaising with Health and Safety organisations.

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Centurion website



Martindale website

Spectrum, Vision Plus, Vision, Concept, Reflex Plus, Reflex, 1125, 1100, Vulcan, Miner, AirPro, CoolCap, CAP 2000, Connect, ArcPro, Baltic, Aegean, Twist 2 Fit Ratchet, BoxOptix, Hawk, Kestrel, Merlin, Buzzard, Osprey and Condor are Trademarks or Registered Trademarks of Centurion Safety Products Ltd



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. Centurion also hold BS EN ISO 9001:2008, a quality management standard, covering the design management, development and manufacture of our products, having held ISO 9001 since 1992.

European Standards for Helmets and Bump Caps

Please refer to the back page for details on other Standards and options.

- EN 397 - Helmets for general use in industry to provide protection to the wearer against falling objects and consequential brain injury and/or skull fracture.
- 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/Impact Resistance	EN 397 - Safety Helmets	EN 812 - Bump Caps
Drop height	1 metre	0.25 metre
Maximum force allowed	5 kiloNewtons	15 kiloNewtons
Energy Transmitted during test	49 joules	12.5 joules
Striker face and weight	50mm radius hemispherical, 5kg	100mm diameter flat, 5kg
Penetration Resistance	EN 397 - Safety Helmets	EN 812 - Bump Caps
Drop height	1 metre	0.5 metre
Energy Transmitted during test	29 joules	2.5 joules
Striker mass	3kg	0.5kg

Optional Tests:

- LD

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.
- 30°C

Low Temperature Performance (-20°C/-30°C)

Helmet will still provide EN 397/812 protection when worn at or above this temperature.
Test Method: The mandatory shock absorption and penetration resistance tests are repeated at stated low temperatures.
- 440V

Electrical Insulation* (440V a.c.)

Test indicates protection from electrical shock.
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.
- MM

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.
- 40°C

1000V

Extra Features outside the scope of EN 397 (-40°C & 1000V a.c.)

Purpose and test method is as per the relevant EN 397 options detailed above, but performance indicates a higher level of protection.
- F

Resistant to Flame (F)

Test ensures cap does not ignite or burn after a flame is applied for a brief period of time.
Test Method: The end of the flame is applied to the outside of the cap, 50-100mm from the crown for 10 seconds.
*440V a.c. - helmets and plastic bump caps only (not baseball caps). **MM - helmets only



PREMIUM ABS SAFETY HELMET RANGE

NEW! Spectrum

NEW! VISION PLUS

Concept

REFLEX PLUS



HIGH TEMPERATURE SAFETY HELMET

Vulcan™ & Accessories



GENERAL PURPOSE HDPE SAFETY HELMET RANGE

REFLEX

1125™/1100™



Badge It Service

Corporate Badge It Service



NEW! TWIST RATCHET



Helmet Accessories

NEW! HI High Intensity Reflective Stickers

NEW! Helmet Lamp Bracket & Cable Clip

Helmet Lamp



Seasonal Helmet Accessories

Cold Weather Hood System

Sun Cape



CONNECT® Helmet Mounted Hearing Protection



CONNECT® Accessory System



ArcPro™ Anti Electric Arc System



CONNECT® General Purpose Face Protection



Welding Shields

CONNECT® High Temperature Face Protection



CENTURION RAPTOR Safety Eyewear & BoxOptix™ Prescription Eyewear



Bump Caps

S19 Plastic Bump Cap, CAP 2000™ & CoolCap™ Baseball Bump Caps

AirPro™ Baseball Bump Cap

Baseball Bump Cap Mini LED Light



ABS = Acrylonitrile-Butadiene-Styrene
HDPE = High Density Polyethylene

The advantage of ABS is the material combines the strength and rigidity of the acrylonitrile and styrene polymers with the toughness of the polybutadiene rubber.



Shock Absorption



Penetration Resistance



Lateral Deformation

NEW! Spectrum™

With built in Over Spectacles, eye protection is always available and wearers can still use their own prescription eyewear.

Key Attribute:

- The Over Spectacles provide superior eye protection, achieving **Grade B Medium Energy Impact** whereas standalone Spectacles only offer Grade F (low energy impact)!



Grade B
Medium
Energy
Impact!

The protection and comfort of the wearer was of paramount importance when designing the Over Spectacles:

- Extra lateral and bottom coverage provides extra protection against particles
- Soft nose bridge for enhanced wearer comfort
- Full adjustment has been built in to ensure the user can obtain a perfect fit; the telescopic temples can be moved in and out to cover prescription eyewear and a front pivot system allows the Over Spectacles to be adjusted closer to the wearer's cheek for improved dust protection
- Anti-scratch and anti-mist coating provides improved durability and visibility
- Above all, the Over Spectacles are quick and easy to replace so that the user is never without safety eyewear!

Over Spectacles approved to EN 166 1 B T and EN 170 2C-1,2
Helmet approved to EN 397, -40°C, 1000V a.c (unvented helmet only), LD, MM and EN 50365



Badge It
Service
available, see
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As well as innovative integrated eyewear, the new helmet shell design offers new head protection advantages:

- The largest front logo area of any industrial safety helmet means corporate logo's can be even more visible! (95 x 45mm as well as side and back print areas)
- Added side impact protection (Lateral Deformation within EN 397) has been achieved by the exacting design of the Spectrum helmet
- Our proven and unique Venturi system provides optional ventilation for improved comfort and coolness during the warmer conditions
- Our new AquaDirect Rain Management System effectively manages the rain to reduce the flow of water down your neck!



AquaDirect Rain Management System



Centurion 6 Point Terylene cradle and premium Hydro-Flock sweatband
2 point or Linesman 4 point mounting facility



Adjustment via either standard slip headband or new Twist2Fit Ratchet

Description

Spectrum
Spectrum Vented
Spectrum Ratchet
Spectrum Ratchet Vented
Overspectacles Clear
Badge Holder

Code

S20*A
S20*F
S20*R
S20*RF
S576
S30SBH

Colour options available:

W LB B R Y O G K HVO HMY

High Visibility Colours - slight variations in colour density may be apparent over time but in no way affect the safety and performance of the product.

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

COMBI™ accessory slot accepts CONNECT™ accessory clips or approved 30mm clips#

All Centurion branded accessories are compatible and CE approved to fit onto Centurion safety helmets. Centurion accepts no liability for any damage caused by the fitting of other brands of accessories. Please contact the relevant accessory manufacturer direct for their opinion of the combination compatibility and confirmation of CE approval.



Customer Service Hotline 01842 855045, www.centurionsafety.co.uk



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NEW! **VISION** PLUS

The Vision Plus offers the same head protection features as the well established Vision helmet but now features a new moulded visor with additional benefits:

- Now including anti-scratch and anti-mist coating for improved durability and visibility
- The new design continues to allow for prescription eyewear to be used underneath it
- Moulded design provides improved lower cheek coverage
- Large side pull tabs enable the wearer to quickly and easily move the visor up and down even when wearing gloves
- Optical clarity to Class 1 for continuous use - standard on all Centurion face protection
- Most importantly, you can also use the new Vision Plus visor with an existing Vision helmet

Key Attribute:

- **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!



**Grade A
High
Energy
Impact!**

Badge It
Service
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Suitable for use with **ArcPro**
Anti Electric Arc System
(see page 20).

Vision Plus Visor approved to EN 166 1 A T, EN 170 2C-1,2
Vision Visor approved to EN 166 1 B
Helmet approved to EN 397, -40°C, 1000V a.c, LD and MM

The Vision Plus helmet is still the same helmet as the original tried and trusted Vision:

- Strong ABS shell (Acrylonitrile-Butadiene-Styrene) with added side impact protection (LD)
- Extended Nape for added rear protection
- Badging: front, sides and back
- Centurion 6 Point Terylene cradle and headband
- Premium Hydro-Flock sweatband
- Either standard slip headband or optional 'Twist2Fit' Ratchet
- 2 point chinstrap mounting facility
- Centurion accessory slot for fitting CE approved face and hearing accessories



VISION TM

The Vision safety helmet includes a fully retractable Clear Polycarbonate visor which allows prescription spectacles to be worn underneath and is approved to the impact Grade B (Medium Energy Impact) option within EN 166.

See above for the features and benefits of the helmet itself.

**Grade B
Medium
Energy
Impact!**



Description

Vision Plus
Vision Plus Ratchet
Vision Plus Visor Clear
Vision
Vision with Premium Ratchet
Spare Clear Visor
Spare Grey tinted Visor

Code

S10PLUS*A
S10PLUS*R
S577
S10*A
S10*R
S578
S578SE

Colour options available:

W LB B R Y O G K HV0 HWY

High Visibility Colours - slight variations in colour density may be apparent over time but in no way affect the safety and performance of the product.

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





Designed to take the weight off your shoulders...

At only 300g*, the Concept safety helmet is 20% lighter than most other helmets, providing the user with the lightest, strongest and most comfortable helmet available.



Product Innovation
Award Winner

Badge It
Service
available, see
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The internal card holder
stores user identification or
medical information
(credit card size).



Unique crown and rear
ventilation system.

VentPlugs available for
adverse weather
conditions.

- Manufactured from strong ABS material and provides added side impact protection
- Fitted with Terylene cradle and premium high absorbent sweatband
- Reduced and full peak option
- Available in high visibility Yellow and Orange colours
- Extended nape providing increased neck protection
- Optional unique ventilation system provides added comfort due to increased airflow
- Fully compatible with the **CONNECT**® range of face and hearing accessories
- Unvented helmet compatible with the **ArcPro**™ Anti Electric Arc System
- Vented helmet approved to EN 397 -40°C
- Unvented helmet approved to EN 397 -40°C



with **Twist2Fit** RATCHET™

Concept™ HEIGHT MASTER

Approved to EN 12492
Conforms to EN 50365 and EN 397
(shock absorption and penetration
requirements, lateral deformation and
additionally -40°C low temperature option).

Added security and comfort when working at
height e.g. rigging, building sites, climbing.
Reduced peak for improved upward visibility
and ventilated helmet for increased comfort.



Approved to EN 397, EN 50365



Linesman

Reduced peak helmet with four point security
head harness with quick release buckle. Ideal
for working at heights (electrical/utilities).



Approved to EN 397



Miner

Full peak helmet complete
with NEW lamp bracket and
cable clip (see page 15).



Approved to EN 397, EN 50365



Roofer

'Twist2Fit' premium ratchet
headband for easy and quick
adjustment. Comes with ventilation
and with reduced or full peak.



Approved to EN 397, EN 50365



Forestry Kit

Full peak ventilated Orange helmet, mesh visor
and Orange ear defenders - See page 18 and
22 for more information.

Description

Concept Full Peak
Concept Full Peak Vented
Concept Reduced Peak
Concept Reduced Peak Vented
Concept HeightMaster
Concept HeightMaster Ratchet
Concept Linesman
Concept Roofer Reduced Peak
Concept Roofer Full Peak
Concept Forestry Kit Vented
Concept Miner Vented
Concept Miner

Code

S09*A
S09*F
S08*A
S08*F
S08*FM
S08*FMR
S08*L
S08*RJ
S09*RJ
S25CCF
S09*FSH
S09*SH

(Refer to page 18 for a statement regarding fit and approval of other
brands of accessories).

NEW!



Concept™

Respiratory Safety Helmet Headpiece

from

Martindale®

For further information
on this product and
the Martindale range
please refer to our website
www.centurionsafety.co.uk

* Insert colour code of helmet (ie. W for White)

Choose your shell colour:
(all except HeightMaster)



HeightMaster:

High visibility colours - due to the high visibility pigment, variation in colour density may be
apparent over time, however, this does not affect the safety and performance of the helmet.

Key Attributes:

- For prolonged usage where weight and comfort is paramount
- Specialised versions provide for specific industry needs
- Reduced Peak option for improved upward visibility



REFLEX PLUS

The next generation...

The Reflex Plus safety helmet has been designed to meet the demanding requirements of both construction and industrial needs with safety and comfort in mind.

Safety by means of high visibility colour options and optional reflectors.

Comfort via ventilation as standard, Textile cradle, sweatband and an overall well balanced and secure helmet.

Strong ABS material

- The advantage of ABS is the material combines the strength and rigidity of the acrylonitrile and styrene polymers with the toughness of the polybutadiene rubber.

Lateral Deformation

- Provides a level of protection against lateral compression, indicating improved side strength of the helmet.

Low Temperature -40°C

- The helmet provides EN 397 protection when worn at or above this temperature.

Two tone helmet

- A choice of shell and/or rear flash in high visibility Yellow or Orange for added wearer security during poor light or dark conditions
- Two part helmet allows for corporate colour choices (specific non standard corporate colours available)



Description

Reflex Plus with High Visibility Rear Flash
Reflex Plus High Visibility Shell & Rear Flash
Reflex Plus with Silver Rear Flash
Reflex Plus as above with Ratchet

Code

S12PLUS*HVY/OA
S12PLUSHV*HV*A
S12PLUS*SA
S12PLUS**R

* Denotes colour of helmet (ie. W for White)

(Refer to page 18 for a statement regarding fit and approval of other brands of accessories).



Model is wearing BoxOptix Prescription Safety Spectacles (see page 25)

Approved to EN 397, EN 50365



ANSI/ISEA Z89.1-2009 Type 1 Class C LT

One helmet for both Summer and Winter

- Unique Venturi system provides ventilation as standard
- VentPlugs available to close off the ventilation when not required



Choice of helmet and rear flash colours with Red or Clear clip-on reflectors

European Patent no: 2207446 &
European Patent Application number: 11007299.8

All available colour options



COMBI accessory slot accepts
CONNECT accessory clips or
approved 30mm clips



Vulcan Safety Helmet

Fibreglass safety helmet material is resistant to radiant temperatures of up to 500°C** and is designed for use in industries where there is a risk from high levels of radiant heat.

- Manufactured from GRP high heat material
- Fitted 6 point Terylene cradle and standard sweatband
- Compatible with CONNECT range of high temperature accessories
- Premium Twist2Fit ratchet headband option for easier and quicker adjustment
- Suitable for use with the ArcPro Anti Electric Arc System

Approved to EN 397, GOST,
ANSI/ISEA Z89.1-2009 Type 1 Class G



Description

Vulcan
Vulcan with Premium Ratchet

Code

S22*A
S22*R

* Insert colour code of helmet (ie. W for White)

Choose your shell colour: W B R Y O G

Key Attributes:

- High temperature helmet resistant up to 500°C
- Ideal for Iron and Steel Foundries, Aluminium Smelting, Metal Industries
- Full range of high temperature face protection available

High Temperature Accessories

The Centurion Triacetate and Gold Polycarbonate screens are designed for use with the high temperature carrier and the Centurion Vulcan helmet to provide a complete high temperature above the neck PPE system.

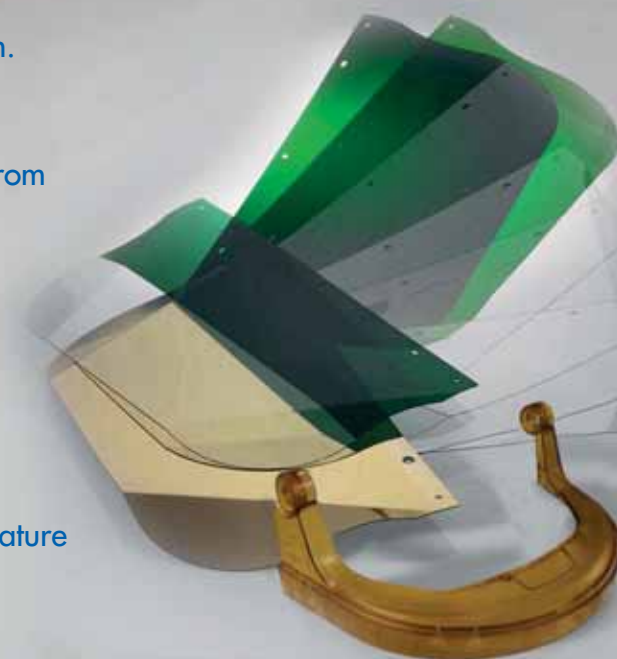
The Gold tint on the Polycarbonate S760 face screen deflects radiant heat and therefore protects the eyes from infra red and the face from the heat.

Range Includes:

- Heat resistant Vulcan GRP helmet
- High temperature carrier
- High temperature Triacetate Clear, Green/Clear or Gold Polycarbonate screens
- Aluminised Neck Cape for rear head & neck protection

See guide on page 23 for choosing your high temperature face screens.

** For details of the material testing, please contact Customer Service.



Badge It
Service
available, see
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REFLEX™

The Reflex HDPE safety helmet has been designed to meet the demanding requirements of both construction and industrial needs with safety and comfort in mind.

Safety by means of high visibility colour options and optional reflectors.

Comfort via ventilation as standard, Textile cradle, sweatband and an overall well balanced and secure helmet.

- 6 point Textile cradle fitted with standard sweatband
- Mid peak to suit all applications and users
- Clip-On patented Clear or Red reflectors available separately for improved visibility
- Rear ventilation as standard
- Extended nape providing increased neck protection

One helmet for both Summer and Winter

- Unique Venturi system provides ventilation as standard
- VentPlugs available to close off the ventilation when not required

Two tone helmet

- A choice of shell and/or rear flash in high visibility Yellow or Orange for added wearer security during poor light or dark conditions
- Two part helmet allows for corporate colour choices (specific non standard corporate colours available)

Approved to EN 397, EN 50365



Description

Reflex with High Vis. Rear Flash
Reflex High Vis. Shell & Rear Flash
Reflex with Silver Rear Flash
Reflex as above with Ratchet

* Denotes colour of helmet (ie. W for White)

(Refer to page 18 for a statement regarding fit and approval of other brands of accessories).

Code

S12*HVY/OA
S12HV*HV*A
S12*SA
S12**R

All available colour options



COMBI™ accessory slot accepts
CONNECT® accessory clips or
approved 30mm clips



Product Innovation
Award Winner



- Comfortable internal Textile cradle
- Standard sweatband



Choice of helmet and rear flash colours with
Red or Clear clip-on reflectors



European Patent no: 2207446 &
European Patent Application number: 11007299.8



1125™ Safety Helmet

A general purpose, well balanced helmet with a Terylene cradle and standard sweatband. Also available in small size.

Approved to EN 397



1100™ Safety Helmet

A general purpose safety helmet with a 6 point plastic cradle.

Approved to EN 397



Key Attributes:

- Available with Terylene cradle and sweatband or plastic cradle, depending on wearer preference.
- 1125 small shell for a more compact fit on smaller heads.

- 1125 reduced or full peak choice
- 1125 fitted with 6 point Terylene cradle and standard sweatband
- 1100 fitted with 6 point Plastic cradle
- Both fully compatible with CONNECT® range of face and hearing accessories

Description

1125 Full Peak
1125 Reduced Peak
1125 Small Size
1100 Full Peak

Code

S03*A
S17*A
S04WA
S01*A

Choose your shell colour:

all except 1125 small size



1125 small: W

Badge It
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available, see
page 14

* Insert colour code of helmet (ie. W for White)



Whether you require a pad printed, embroidered or transfer printed logo on your head protection - leave it to Centurion.

- No set up cost for a new logo
- One of the lowest minimum order quantities of 40
- One of the largest logo print areas
- We prefer to match to Pantone references (colour match acceptable if Pantone not known)
- Most importantly, you are promoting your company for all to see!

For details on print sizes and maximum passes please refer to www.centurionsafety.co.uk or the current price list.

Helmet Personalisation

Approved and tested stickers for use on all Centurion helmets - you can rest assured that these will not react or compromise the performance of your safety helmet.

Simply supply us a list of names in Word or Excel and e-mail to artwork@centurionsafety.co.uk and we will supply you with the stickers.

Minimum order quantity of 40 stickers (mixed names).

Product code: S32HPS

Not recommended for use in high temperature environments

NEW! TWIST 2 FIT RATCHET™

A premium wheel ratchet fitted onto the ratchet versions of the Centurion Spectrum, Vision Plus, Vision, Vulcan and Concept Roofer safety helmets providing the most secure fit possible.

- Single handed adjustment feature enables quick and easy adjustment.
- The new and improved premium Ratchet incorporates 3mm shaped foam on the rear for greater comfort to the wearer.
- To enable the user to achieve a perfect fit, the premium Ratchet has an improved adjustment range of 52 to 64cm.
- The new premium Ratchet is now 10g lighter than its predecessor, so when wearing a Centurion helmet, it really does take the weight off your shoulders!



NEW! HI High Intensity Reflective Stickers

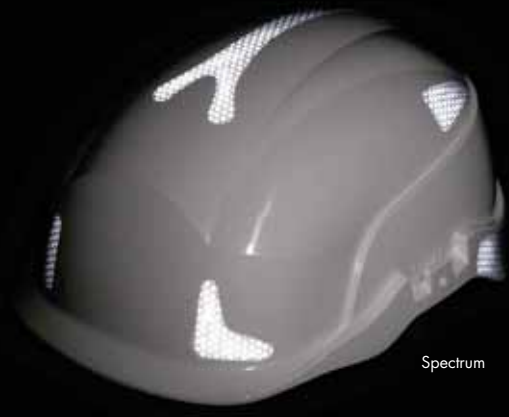
A set of stickers especially designed for Centurion Spectrum, Vision Plus, Vision, Concept, Reflex Plus and Reflex safety helmets.

- For improving wearer visibility and safety
- Sticker set provides coverage on the front, sides, rear and top of the helmet.



Material meets specification requirements of EN 12899-1 Ra2.

Product code: S30HIRS



NEW! Helmet Lamp Bracket and Cable Clip

A helmet lamp bracket and cable clip kit especially designed for retrofitting to Centurion Spectrum and Concept safety helmets.

- Accepts both Petzl Pixa (via an E78901 adaptor) and Oldham Cap Lamps
- Easy to fit with supplied self adhesive pads

Helmet approved to electrical resistance option within EN 397 (non vented helmet only).

Product codes:
For Concept* - S30LBCC
For Spectrum - S30SLBCC

* Will also fit to Vision Plus, Vision and Reflex Plus helmets



Helmet Lamp

Ideal for use where the wearer is required to carry out tasks hands-free in dark environments. Supplied with a black rubber strap for a secure fit onto Centurion safety helmets.

Product code: S32FMHL

For details on replacement cradle/headbands and other helmet accessories available for all safety helmets - refer to the Centurion Price List or our web site.





Cold Weather Hood System

A system which offers versatile protection against adverse weather conditions, from Autumn through to the coldest Winter. Two options are available, dependant on whether improved hearing or helmet mounted ear defender compatibility is required.

A conventional hood or beanie placed under your Centurion safety helmet may affect the secure fit of your helmet and therefore you may not be fully protected in the event of an accident. Whereas the Centurion Fleece Helmet Liner fits between the Centurion cradle and helmet shell to give total integration and above all, a good and secure fit of the helmet on your head.



Option 1	Option 2
<p>Universal Fleece Liner Fits between cradle and helmet shell for full integration. Fits all Centurion helmets. Code: S50UFL</p> <p>Fleece Liner Fits between cradle and helmet shell for full integration. Fits all Centurion helmets except Reflex, Reflex Plus and Concept Heightmaster. Code: S50FL</p> <p>Frost Cape Waterproof outer with fleece inner and high visibility colour with reflective strip. Zip top fastening for fitting to Fleece Helmet Liner. Code: S50HVVFC (Yellow) S50HVOFC (Orange)</p> <p>Face Warmer Fits to Frost Cape for total head and face warmth. Code: S50FW</p>	<p>Frost Cape with Ear Defender compatibility As per existing Frost Cape, but with integrated fleece helmet liner and facility to use helmet mounted ear defenders. Mesh at sides also provides for improved hearing. Ideal for the Rail industry*. Code: S50HVVEDFC (Yellow) S50HVOEDFC (Orange)</p> <p>* material also meets specification requirements of GO/RT 3279.</p> <p>Face Warmer Fits to frost Cape for total head and face warmth. Code: S50FW</p>

Tested in our laboratory to -40°C according to EN 397. High visibility colours as per EN 471 specification.



Specialised Cold Weather Hood System

The specialised helmet liner and Frost Cape are made from DuPont™ Nomex® fabric which is flame resistant, approved to EN ISO 11612 A1, B1 and is also anti-static to EN 1149-3.

The Nomex® comfort fabric also provides electric arc hazard protection and has been tested to Class 2 (EN IEC 61482-1-2:2007) and the single woven layer has an ATPV (Arc Thermal Performance Value) of 7.6 cal/cm².

The fabric can be washed at 60°C and the Frost Cape has a flame resistant waterproof membrane to provide protection from the rain as well as a Fluorocarbon finish to repel dirt and liquids such as chemicals, petrol and oil.

DuPont™ and Nomex® are Trademarks or registered Trademarks of E.I. du Pont de Nemours and Company

Description	Code
Fleece Liner (Class 2)	S50FLSP
Frost Cape Navy Blue (Class 2)	S50NBFCSP

Key Attributes:
Cold Weather Hood System
- Ideal for cold food storage or any outdoor applications
- Modular system can be adapted to suit the weather conditions
Specialised option
- Fabric provides flame resistance, anti static and electric arc protection

SUN CAPE

Stay cool and protected from the sun!

Code: S51HVV (High Visibility Yellow)
S51HVO (High Visibility Orange)

Sun Cape
- Ideal for all sunny outdoor applications
- Protects the neck from sunburn and harmful UV rays with its UltraViolet Protection Factor UPF 50+





Aegean™

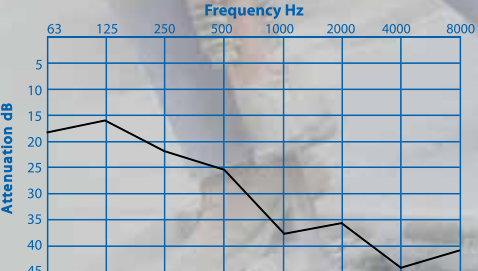
Excellent noise protection, especially for high frequencies.
Spare hygiene kit available - S74

Description
Aegean Ear Defender for all except Vision Plus
Aegean Ear Defender for Vision Plus helmet

Codes
S42C
S42V

SNR = 30dB, H = 34dB, M = 27dB, L = 20dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.1	16.6	21.8	25.6	37.5	35.6	44.0	41.6
Standard Deviation	3.3	3.5	2.9	3.8	2.6	2.9	6.6	7.2
Assumed Protection	14.8	13.0	18.9	21.8	34.9	32.7	37.4	34.4



All Centurion branded accessories are compatible and CE approved to fit onto Centurion safety helmets. Centurion accepts no liability for any damage caused by the fitting of other brands of accessories. Please contact the relevant accessory manufacturer direct for their opinion of the combination compatibility and confirmation of CE approval.

Key Attributes:
- Ideal applications include drilling, digging, hammering, grinding
- The Baltic ear defender can be used between 90-110dB* and the Aegean ear defender can be used between 93-120dB*

Baltic™

General purpose, economy ear defender suitable for most requirements.

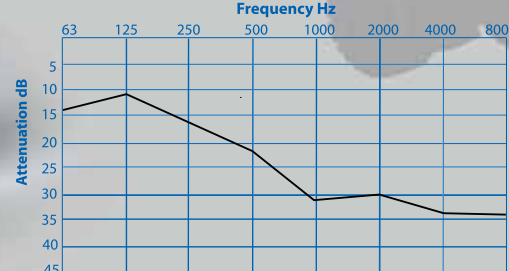
Spare hygiene kit available - S44

Description
Baltic Ear Defender for all except Vision Plus
Baltic Ear Defender for Vision Plus helmet

Codes
S41C
S41V

SNR = 25dB, H = 29dB, M = 22dB, L = 15dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.7	11.9	16.4	22.3	32.3	30.8	34.5	34.6
Standard Deviation	3.0	2.9	2.8	3.6	3.6	3.4	2.8	6.9
Assumed Protection	11.7	9.1	13.6	18.7	28.7	27.4	31.7	27.7



* Protection required will depend on the noise and frequency level. A sound check should be carried out prior to hearing protection selection to obtain an accurate noise assessment and ensure the correct ear defender is used.

The **CONNECT** system has been designed to allow the user to combine and interchange head, face and hearing accessories quickly and simply. The accessories are fully compatible with all the featured Centurion helmets.

All face screen carriers and ear defenders are supplied with clips for helmet attachment.

ArcPro Anti Electric Arc System also available for protection against Electric Arc Flash hazards - see page 20 & 21.

Follow the simple steps to success!
Simply connect all face & hearing accessories, it's as easy as 1,2,3...

Helmet Mounted Face and Hearing Protection

- Step 1. Choose your safety helmet depending on your requirements
- Step 2. If you need helmet mounted hearing protection, select either the S41 - SNR 25db or the S42 - SNR 30db
- Step 3. If you need protection during welding and the use of a helmet, use the Centurion Fixed Shade Welding Shield or the NEW-TECH Welding Shield with the Speedy Loop adaptor
- Step 4. If you need helmet mounted face protection, select a carrier - either a general purpose (S54) or a high temperature (S57) type
- Step 5. Then choose a face screen depending on your application:
 - Polycarbonate material for impact protection
 - Acetate material for chemical protection
 - Triacetate material in Clear and Green and Gold Polycarbonate for high temperature environments
- Step 6. Do you need to protect the neck area? If so, chin guard screens are available in Polycarbonate and Acetate for chinguard (S91C) connection



Headband Mounted Face Protection

- Step 1. Choose a face screen depending on your application for mounting onto the S89 browguard:
 - Polycarbonate material for impact protection
 - Acetate material for chemical protection
- Step 2. Do you need to protect the neck area? If so, chin guard screens are available in Polycarbonate and Acetate for chin guard (S91C) connection



The Centurion ArcPro™ PPE system has been designed to protect against Arc Flash risks posed by electrical faults which can occur in the following situations:

- During live cable jointing
- Phase angle testing
- Switchgear racking operations
- Excavating near live cables
- Isolating and reclosing of switchgear
- Working on or near live conductors

Guidance steps to selecting the correct ArcPro PPE System

1. Helmet or Browguard

Choose either a Vision Plus, Vision, unvented Concept or Vulcan safety helmet or if head protection is not required the ArcPro Browguard. NB if a helmet mounted system is required then the S57/S57CVAEA HI-Tem 300 Carrier should be used.

2. Clear Face Screen

Choose either a full length face screen or a reduced length face screen which also enables a Chin Guard to be fitted. The Polycarbonate face protection system is approved to EN 166, Short Circuit Arc (option 8)*

3. Chin Guard for Clear Face Screen

Use with S910AEA face screen if chin protection required.

4. Green Face Screens

Light or Light-medium Green screens are also available and are supplied pre-fitted with chin guard and to a carrier for attaching to selected helmets.



*System tested to EN 166. Screens to EN 166 1 B 8 9 (EN 170 2-1,2). Option 8 requirements based on test of 12 kA, 380 - 400V, 50 Hz for 1 second.

ArcPro™
Green Screens and System Kits

The ArcPro Green screens are approved to GS-ET-29, in addition to EN 166 8.

Additionally, system kits are available; which consist of a White reduced peak Concept helmet with Twist2Fit ratchet, Vabon sweatband and either an Electric Arc Clear, Light Green or Light-Medium Green face screen and carrier.

The Concept helmet within the system kits are approved to: EN 397, 1000V a.c., LD, MM, -40°C

The face protection within the system kits are approved to:

Helmet & Clear screen kit:

EN 166 1 B 8 9 (EN 170 2-1,2)

Helmet & light Green screen kit:

EN 166 & EN 170:2002 GS-ET-29:2010 2C-1.2 1 B 8-2-0 3

Helmet & light-medium Green screen kit:

EN 166 & EN 170:2002 GS-ET-29:2010 2C-1.4 1 B 8-2-1 3

Description

ArcPro Carrier supplied with Vabon sweatband
ArcPro Browguard supplied with Vabon sweatband
ArcPro Clear Face Screen
ArcPro Face Screen for Chin Guard
ArcPro Chin Guard

ArcPro Light Green Face Screen fitted with Chin Guard and Hi-Tem 300 Carrier
ArcPro Light - Medium Green Face Screen fitted with Chin Guard and Hi-Tem 300 Carrier

Helmet & Clear Screen Kit
Helmet & Light Green Screen Kit
Helmet & Light - Medium Green Screen Kit

Code

S57CVAEA
S89CAEA
S590AEA
S910AEA
S91C

S506S57

S512S57

S25WCCAEA
S25WCC6AEA
S25WCC12AEA



For more information on the ArcPro range please visit our web site www.centurionsafety.co.uk.





General Purpose Face Screens

A wide range of face screens are available to cover all industrial applications. See below for full details - select the screen length and material required for your particular needs.



Browguard Headband Mounted System

The Browguard system allows you to fit our range of general purpose face screens when a safety helmet is not required.

A chin guard can also be fitted to our range of chin guard screens to provide further face protection.



Eye Protection

Vision Plus Visor
Available in Clear (S577)



Retractable Eye Shield

Compatible with Concept, Reflex Plus, Reflex, 1125 and 1100 range of helmets. Clear (S579) Smoke Grey (S579SE)



Forestry Protection



Forestry Pack (S25CCF)

- Concept Orange vented helmet (see page 8 & 9)
- Forestry visor (S59)
- Orange Baltic ear defenders (see page 18)



The NEW-TECH Welding Shield is approved for use with the Concept reduced peak safety helmet when fitted in conjunction with the Speedy Loop, which enables the welding shield to be easily and quickly fitted on to the Concept helmet.

- Autochange 9-13
 - Approved for use with the Concept reduced peak safety helmet
- Approved to EN 175

Key Attributes:

- Choice of fixed shade (passive) or autochange (active) welding shields
- Both easily fitted to helmets - via the Speedy Loop or Connect system

Fixed Shade Welding Shield

- Standard size flip up window - 110 x 90mm (lens not supplied)
- Supplied with clear Polycarbonate chipping lens

Approved to EN 175 and EN 379

Description	Code
NEW-TECH Welding Shield	S90SSL
Speedy Loop	S30SL
Fixed Shade Welding Shield	S903N



For respiratory welding shields please visit our website page for

Martindale®

Respiratory Equipment

www.centurionsafety.co.uk



* For full EN 166 standard information - refer to back cover and data sheet.

* Suitable for most common chemicals. If in doubt, a resistance check should be completed.
(1) Filters for personal eye-protection equipment used in welding and similar operations.
(2) Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light alloys) Oxygen Cutting.

Code	Screen Length	Screen Colour	Material	Impact Protection	Chemical Resistance*	Applications										EN 166 Standard #	Temperature Resistance	
	Short - (150/160mm) Long - (210mm)	Clear Clear Antifog Green	Polycarbonate Acetate	F - Low Energy B - Medium Energy	Organic Inorganic	Drilling/milling Grinding	Welding (1) Welding (2)	Inorganic Chemicals Organic Chemicals	Live Electrical Working Non Live Electrical Working	Optical Class (1) Liquid droplets (3) Molten Metal Splash (9)	No softening before °C No melting before °C							
Standard Screens:																		
S580	●	●	●	●	●	●	●	●	●	●	140 150							
S590	●	●	●	●	●	●	●	●	●	●	140 150							
S590AEA	●	●	●	●	●	●	●	●	●	●	140 150							
S591	●	●	●	●	●	●	●	●	●	●	80-100 160-190							
S592	●	●	●	●	●	●	●	●	●	●	80-100 160-190							
S593	●	●	●	●	●	●	●	●	●	●	80-100 160-190							
S595	●	●	●	●	●	●	●	●	●	●	80-100 160-190							
Chinguard Screens:																		
S910	●	●	●	●	●	●	●	●	●	●	140 150							
S910AEA	●	●	●	●	●	●	●	●	●	●	140 150							
S911	●	●	●	●	●	●	●	●	●	●	80-100 160-190							
S912	●	●	●	●	●	●	●	●	●	●	80-100 160-190							



Customer Service Hotline 01842 855045, www.centurionsafety.co.uk



* For full EN 166 Standard information - refer to back cover and data sheet.

Code	Screen Length	Screen Colour				Material	Impact Protection	Chemical Resistance*	Applications								EN 166 Standard ^a	Temperature Resistance						
	Long - (210mm)	Clear	Green	Green/Clear	Gold	Polycarbonate	Triacetate	F - Low Energy	B - Medium Energy	Organic	Inorganic	Drilling/milling	Welding ⁽¹⁾	Welding ⁽²⁾	High heat	High heat-Infra-Red	Inorganic Chemicals	Non Live Electrical Working	Optical Class (1)	High speed particles (T)	Liquid droplets (3)	Molten Metal Splash (9)	No softening before °C	No melting before °C
S598	●	●					●	●		●	●	●			●		●	●	●	●	●	●	93	250
S603	●			●			●	●		●	●	●	●		●		●	●	●	●	●	●	93	250
S605	●			●			●	●		●	●	●		●			●	●	●	●	●	●	93	250
S613	●		●				●	●		●	●	●	●		●		●	●	●	●	●	●	93	250
S615	●		●				●	●		●	●	●		●	●		●	●	●	●	●	●	93	250
S760	●				●	●		●		●	●	●				●	●	●	●	●	●	●	140	150

* Suitable for most common chemicals. If in doubt, a resistance check should be completed.
(1) Filters for personal eye-protection equipment used in welding and similar operations.
(2) Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light alloys).



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RAPTOR
Safety Eyewear Range

This range of safety eyewear is designed to be worn with or without a safety helmet.



Hawk™

Fashionable, sporty design, superior quality, comfortable spectacles.

- Adjustable temple length and temple pivoting system for personal fit
- Soft nose piece for additional comfort
- Adjustable cord included
- Anti-scratch and Anti-fog coating
- Available in Clear and Smoke
- Weight 26g
- Approved to EN 166 1 F T Clear 2C-1,2 Smoke 5-2,5



Kestrel™

Quality, comfortable spectacles.

- Adjustable temple length for personal fit
- Anti-scratch and Anti-fog coating
- Available in Clear and Smoke
- Weight 25g
- Approved to EN 166 1 F Clear 2C-1,2 Smoke 5-2,5



Merlin™

General purpose, lightweight spectacles.

- Soft, flat temples ideal for use with head and ear defender protection
- Anti-scratch and Anti-fog coating
- Available in Clear, Smoke and Yellow
- Weight 24g
- Approved to EN 166 1 F T Clear 2C-1,2 Yellow 2-1,2 Smoke 5-2,5



Buzzard™

Designed to fit over prescription spectacles.

- Adjustable temple length and temple pivot system for precise fit
- Anti-scratch and Anti-fog coating
- Weight 38g
- Approved to EN 166 1 F T 2C-1,2



Condor™

A wide, panoramic field of vision, larger frame provides increased face protection.

- Comfortable and ventilated frame
- Fits over prescription spectacles
- Anti-scratch and Anti-fog coating
- Weight 110g
- Approved to EN 166 1 B T 3 4 9 2-1,2



Osprey™

Small, low profile fitting frame.

- Ideally compatible with head and respiratory protection
- Comfortable and ventilated frame
- Anti-scratch and Anti-fog coating
- Weight 61g
- Approved to EN 166 1 B T 3 2-1,2

Storage and Cleaning Pouch



Adjustable Cord



Description

Hawk Clear
Hawk Smoke
Kestrel Clear
Kestrel Smoke
Merlin Clear
Merlin Smoke
Merlin Yellow
Adjustable Cord
Storage and Cleaning Pouch

Code

S70HAWK-CASAF
S70HAWK-SASAF
S70KESTREL-CASAF
S70KESTREL-SASAF
S70MERLIN-CASAF
S70MERLIN-SASAF
S70MERLIN-YASAF
S70CORTDA
S70POUCH

Goggle Clips

For attaching goggles to Centurion helmets - use goggles while attached to helmet and then store on helmet when not in use.



Description

Buzzard Over Spectacles
Osprey
Condor
Goggle Clips (pair)
Hard case with belt clip
Microfibre soft lens cloth

Code

S70BUZZARD-CASAF
S70OSPREY-ASAF
S70CONDOR-ASAF
S30GC
S70HC
S70SC



Applications:

- General Industry
- Construction
- Medical
- Laboratory

Harrier™



Seeing is believing...

- An 'all-in-a-box' solution
- No hidden costs - includes sight test and dispensing fee
- Includes choice of single vision, bifocal or varifocal lenses
- No additional payment to be made to the optician
- Innovative and removable prescription insert
- Over 2500 participating Opticians in the United Kingdom
- CE approved to EN 166 1 F T

Description

BoxOptix™ with Harrier spectacles
Replacement Harrier spectacles (including insert)

Code

S70HARROPT-IOAS
S70HARR-IOAS



What's in the box:
Sight test, dispense & prescription lens voucher*
CE approved protective spectacles EN 166 1 F T and EN 172 5-1,7
Optical lens insert
Rigid carry case with belt clip
Microfibre lens cloth
* Single vision, bifocal or varifocal (within available power range)



Bump Cap™

Suitable for use in food industries when sterilisation is required for safety and hygiene purposes.

- Polyethylene shell for easy cleaning
- Replaceable, wipeable PVC sweatband
- Removable headband/cradle assembly

Approved to EN 812:1997



Description
Bump Cap

Code
S19*

* Insert colour code of Bump Cap (ie. W for White)

Choose your cap colour: W B R Y O G

Key Attributes:

- Ideal for food processing, where cloth material cannot be used
- Both sweatband and headband/cradle are wipeable and replaceable

CAP 2000™

- Cotton cover with Lycra for ease of fit/removal
- Easily adjustable via Velcro rear strap
- Large crown ventilation holes with 4 mesh grills
- Peak length 60mm

Approved to EN 812:1997



Description
CAP 2000

Code
S18*

* Insert colour code of cap (ie. K for Black)

Choose your cap colour: NB RB R K G

Key Attributes:

- Baseball style cap cover
- Ideal applications include warehousing, transportation and automotive

CoolCap™

- Sleek 3 panel design with improved side ventilation
- Removable foam side inserts (providing 45% more shock absorbency compared to standard ABS liner)
- Peak length 50mm

Description
CoolCap

Code
S28*

* Insert colour code of cap (ie. K for Black)

Approved to EN 812:1997+A1:2001



Choose your cap colour: NB RB R K E G

Key Attributes:

- Ideal applications include warehousing, transportation and automotive

airpro™ Providing comfort, safety and style

- All the components have been designed to provide maximum air circulation
- The cap falling off or being knocked off is a thing of the past with the new design
- The design will not only make you feel cool, you will look cool too
- Standard Peak length 50mm, Reduced Peak length 30mm (for improved upward visibility or close work)
- Flame retardant Proban** cap option for when there is a risk of welding sparks

Description

Standard
Reduced Peak
Proban**

Code

S38*
S38RP*
S38P*

Choose your cap colour:

NB RB R K E G Standard
HVO HVY Standard

NB K Reduced Peak
NB Proban**

* Insert colour code of cap (ie. K for Black)

Approved to EN 812:1997+A1:2001 -30°C

**Proban - A fabric with flame retardant properties approved to ISO 14116:2008 Index 3 ISO 11611: 2007 Para 6.7 and ISO 11612:2008: para 6.3 after 50 wash and dry cycles (ISO 15797:2002 procedure 8).

See page 2 for the difference between EN 397 and EN 812 head protection Standards. Contact Customer Service for washing instructions of Baseball Bump Caps.

Key Attributes:

- Improved ventilation for added comfort
- Alternative versions provide for various needs e.g high visibility colours, Proban and reduced peak
- Ideal applications include warehousing, transportation and automotive

Badge It Service available, see page 14

CENTURION

Bump Cap Mini LED Light

Ideal for use where the wearer is required to carry out tasks hands-free in dark environments.

- Clip-on super bright LED light rotates 360°
- Battery operated (supplied), lasts up to 40 hours
- Fits onto all Centurion Baseball Bump Caps

Description
Mini Cap LED Light

Code
S32CML

Key Attributes:
- Ideal for hands-free operations



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