

EC Type-Examination

No. CE 0038



Issued to:

Centurion Safety Products Ltd
Howlett Way
Fison Way Industrial Estate
Thetford
IP24 1HZ
United Kingdom

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In respect of:

Industrial Safety Helmets to EN 397: 1995 and
Centurion Safety Products Technical Specification CSP V10
Models ranges: 1100, 1125 and 1128
See pages 2 to 11 for details.

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

David Ford, Director, Healthcare and Testing Services

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Product Details

Product type:	Industrial safety helmet.
Model ranges:	1100, 1125 and 1128.
Technical specification:	Harmonized European Standard EN 397:1995 Centurion Safety Products Technical Specification CSP V10.
EN 397 classifications:	Mandatory requirements plus the following options: Very low temperature, -30°C option (symbol -30°C) Electrical insulation properties (symbol 440 V a.c.) Lateral deformation (symbol LD).
CSP V10 classification:	Very low temperature, -40°C option (symbol -40°C) Electrical insulation properties for insulation against 1000 Volts ac (symbol 1000 V a.c.).

The assessments of the products were based on specification BS EN 397:1995, the English language version of EN 397:1995, industrial safety helmets, both documents incorporating Amendment No. 1 and against the requirements of Centurion Safety Products Technical Specification CSP V10. This specification detailed the requirements to demonstrate electrical insulation properties at 1000 Volts ac and performance at – 40°C. The additional electrical insulation option was based on the EN 397 option but with a higher voltage, the applied voltage being 2750 for the 1000 Volt protection claim, the ‘safety factor’ for this assessment being in the order of that within the EN 397 assessment. The additional conditioning option was based on the low temperature option within EN 397 but with a temperature of – 40°C.

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Within the range for each model there are a number of the build standard variants and performance options.

All models in the range have a HDPE injection moulded shell. The 1100 has a LDPE headband and cradle assembly. The 1125 model variants with the 4 point cradle system have a LDPE headband 25mm wide terylene cradle tapes whilst the other 1125 variants and the 1128 variants have a LDPE headband and 20mm wide terylene cradle tapes. The headband adjustment is by either a 'pin and hole' system, a flat ratchet system or wheel operated ratchet system (Roofer style ratchet).

PRODUCT PERFORMANCE:

Relative to EN 397 requirements:

Mandatory requirements:	All products.
Shock absorption:	Codes - 20°C or - 30°C (see below).
Penetration:	Codes - 20°C or - 30°C (see below).
Lateral deformation:	Code LD.
Electrical insulation:	Code 440 V a.c. (see below).
Molten metal splash:	Code MM.

Relative to CSP Technical Specification CSP V10 requirements:

Shock absorption and penetration at extra low temperature: Code - 40°C

Note: EN 397 has shock absorption and penetration options at extra low temperatures of either - 20°C or - 30°C, these are encompassed by the - 40°C option from the CSP Technical Specification.

Electrical insulation at 1000 V a.c.: Code 1000 V a.c.

Note: EN 397 electrical insulation option at 440 Volts is encompassed by the 1000 V option from the CSP Technical Specification.

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MODEL 1100 WITH LARGE SHELL AND STANDARD PEAK – CONNECT ACCESSORY SLOT

Build standard variants	Product performance codes, see details on pages 2 and 3
Standard build (no vents)	1000 V a.c., LD and MM
Standard build (no vents) (1)	Mandatory requirements only
With sweatband	1000 V a.c., LD and MM
With chinstrap	1000 V a.c., LD and MM
With flat ratchet headband	1000 V a.c., LD and MM
With peg and hole headband	1000 V a.c., LD and MM
With lightweight headband	1000 V a.c., LD and MM
With lightweight headband (1)	Mandatory requirements only
With foam strip	1000 V a.c., LD and MM
With Roofer type ratchet	1000 V a.c., LD and MM
With ventilation holes	LD
With ventilation holes (1)	Mandatory requirements only
With ventilation holes and slides	LD
With lamp bracket and cable clip	LD and MM
HEYCO branded variant	1000 V a.c., LD and MM
COVEPRO branded variant	1000 V a.c., LD and MM
BILSOM branded variant	1000 V a.c., LD and MM

(1) Market specific variant meeting EN 397 mandatory requirements only.

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MODEL 1100 WITH LARGE SHELL AND STANDARD PEAK – EURO ACCESSORY SLOT

Build standard variants

Product performance codes,
see details on pages 2 and 3

Standard build (no vents)	1000 V a.c., LD and MM
With sweatband	1000 V a.c., LD and MM
With chinstrap	1000 V a.c., LD and MM
With flat ratchet headband	1000 V a.c., LD and MM
With peg and hole headband	1000 V a.c., LD and MM
With lightweight headband	1000 V a.c., LD and MM
With foam strip	1000 V a.c., LD and MM
With Roofer type ratchet	1000 V a.c., LD and MM
With ventilation holes	LD
With lamp bracket and cable clip	LD and MM
HEYCO branded variant	1000 V a.c., LD and MM
COVEPRO branded variant	1000 V a.c., LD and MM
BILSOM branded variant	1000 V a.c., LD and MM

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MODEL 1100 WITH LARGE SHELL AND REDUCED PEAK

Build standard variants

Product performance codes,
see details on pages 2 and 3

Standard build (no vents)	1000 V a.c., LD and MM
With sweatband	1000 V a.c., LD and MM
With chinstrap	1000 V a.c., LD and MM
With flat ratchet headband	1000 V a.c., LD and MM
With peg and hole headband	1000 V a.c., LD and MM
With lightweight headband	1000 V a.c., LD and MM
With ventilation holes	LD
With ventilation holes and slides	LD
With lamp bracket and cable clip	LD and MM
BT branded variant	1000 V a.c., LD and MM

MODEL 1100 WITH SMALL SHELL AND STANDARD PEAK

Build standard variants

Product performance codes,
see details on pages 2 and 3

Standard build (no vents)	1000 V a.c., LD and MM
With sweatband	1000 V a.c., LD and MM
With chinstrap	1000 V a.c., LD and MM
With flat ratchet headband	1000 V a.c., LD and MM
With lamp bracket and cable clip	LD and MM

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MODEL 1125 WITH LARGE SHELL, STANDARD PEAK AND CONNECT ACCESSORY SLOT

Build standard variants	Product performance codes, see details on pages 2 and 3
Standard build (no vents)	- 40°C, 1000 V a.c., LD and MM
Standard build (no vents) (1)	Mandatory requirements only
With chinstrap	- 40°C, 1000 V a.c., LD and MM
With flat ratchet headband	- 40°C, 1000 V a.c., LD and MM
With peg and hole headband	- 40°C, 1000 V a.c., LD and MM
With lightweight headband	- 40°C, 1000 V a.c., LD and MM
With lightweight headband (1)	Mandatory requirements only
With small headband	- 40°C, 1000 V a.c., LD and MM
With grey headband	- 40°C, 1000 V a.c., LD and MM
With Roofer type ratchet	- 40°C, 1000 V a.c., LD and MM
With ventilation holes	- 40°C and LD
With ventilation holes (1)	Mandatory requirements only
With ventilation holes and slides	- 40°C and LD
With lamp bracket and cable clip	- 40°C, LD and MM
MOD variant	- 40°C, 1000 V a.c., LD and MM
Mines rescue variant	- 40°C and LD
BT variant	- 40°C, 1000 V a.c., LD and MM
BILSOM branded variant	- 40°C, 1000 V a.c., LD and MM
COVEPRO branded variant	- 40°C, 1000 V a.c., LD and MM
HEYCO branded variant	- 40°C, 1000 V a.c., LD and MM

(1) Market specific variant meeting EN 397 mandatory requirements only.

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MODEL 1125 WITH LARGE SHELL, STANDARD PEAK AND EURO ACCESSORY SLOT

Build standard variants

Product performance codes,
see details on pages 2 and 3

Standard build (no vents)	- 40°C, 1000 V a.c., LD and MM
With chinstrap	- 40°C, 1000 V a.c., LD and MM
With flat ratchet headband	- 40°C, 1000 V a.c., LD and MM
With peg and hole headband	- 40°C, 1000 V a.c., LD and MM
With lightweight headband	- 40°C, 1000 V a.c., LD and MM
With grey headband	- 40°C, 1000 V a.c., LD and MM
With Roofer type ratchet	- 40°C, 1000 V a.c., LD and MM
With ventilation holes	- 40°C and LD
With lamp bracket and cable clip	- 40°C, LD and MM
Mines rescue variant	- 40°C and LD
BILSOM branded variant	- 40°C, 1000 V a.c., LD and MM
COVEPRO branded variant	- 40°C, 1000 V a.c., LD and MM
HEYCO branded variant	- 40°C, 1000 V a.c., LD and MM
4 point EURO, with ratchet headband	- 40°C, 1000 V a.c., LD and MM
4 point EURO with ventilation holes	- 40°C and LD

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MODEL 1125 WITH LARGE SHELL AND REDUCED PEAK

Build standard variants	Product performance codes, see details on pages 2 and 3
Standard build (no vents)	- 40°C, 1000 V a.c., LD and MM
With chinstrap	- 40°C, 1000 V a.c., LD and MM
With flat ratchet headband	- 40°C, 1000 V a.c., LD and MM
With peg and hole headband	- 40°C, 1000 V a.c., LD and MM
With lightweight headband	- 40°C, 1000 V a.c., LD and MM
With small headband	- 40°C, 1000 V a.c., LD and MM
With grey headband	- 40°C, 1000 V a.c., LD and MM
With ventilation holes	- 40°C and LD
With ventilation holes and slides	- 40°C and LD
With lamp bracket and cable clip	- 40°C, LD and MM
BT variant	- 40°C, 1000 V a.c., LD and MM
Linesman variant	- 40°C, 1000 V a.c., LD and MM
Roofer variant	- 40°C, and LD

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MODEL 1125 WITH SMALL SHELL AND STANDARD PEAK

Build standard variants

Product performance codes,
see details on pages 2 and 3

Standard build (no vents)	- 40°C, 1000 V a.c., LD and MM
With chinstrap	- 40°C, 1000 V a.c., LD and MM
With flat ratchet headband	- 40°C, 1000 V a.c., LD and MM
With peg and hole headband	- 40°C, 1000 V a.c., LD and MM
With lightweight headband	- 40°C, 1000 V a.c., LD and MM
With ventilation holes	- 40°C and LD
With ventilation holes and slides	- 40°C and LD
With lamp bracket and cable clip	- 40°C, LD and MM
BT variant	- 40°C, 1000 V a.c., LD and MM
MOD variant	- 40°C, 1000 V a.c., LD and MM

MODEL 1128 WITH LARGE SHELL AND STANDARD PEAK

Build standard variant

Product performance codes,
see details on pages 2 and 3

With lamp bracket and goggle strap	- 40°C, LD and MM
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MODEL 1128 WITH SMALL SHELL AND STANDARD PEAK

Build standard variant

Product performance codes,
see details on pages 2 and 3

With lamp bracket and goggle strap	- 40°C, LD and MM
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CERTIFICATE ADMINISTRATION DETAILS.

Technical File References: Industrial Safety Helmets, 1100, 1125 and 1128.

Certificate Amendment and related confidential BSI internal Report Record

(Record introduced onto the Certificate at 16 May 2002 issue)

Issue date	Comments	Report Number
16 May 2002	Reference to EN 397:1997 and CSP Technical Specification V10 and – 40° performance options added.	0086:02:1067
1 July 2004	Model 1100 variants with EURO slots and model 1125 variants with 4 point cradle mounting and EURO slots added, both with revised system for vented variants.	0086:04:1439 and 0086:04:1489
6 October 2009	Reference to market specific products added.	0086:7447371

Certificate validity

The manufacturer is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure so to do could invalidate the Certificate in respect of production following the introduction of such changes.

Monitoring of Manufactured Personal Protective Equipment.

The EC Quality of Production by Monitoring requirements, Article 11B, for the product are referenced on BSI Certificate 1544.

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