

3M™ Industrial Safety Helmet G3000/G3001

Technical datasheet



Description

The 3M™ Industrial Safety Helmet G3000 is designed to offer you head protection from small falling objects in accordance with the European Standard EN 397:2012+A1:2012.

It is available in a variety of configurations so that the product can be tailored to meet the needs of your application.

It is also a platform for a range of hearing, eye and face protection products.

Testing and approval

The 3M™ Industrial Safety Helmets G3000 and G3001 meet the requirements of the PPE Regulation (EU) 2016/425 and are thus CE marked.

The products have been tested and approved by RISE Research Institutes of Sweden AB, Box 857, SE-50115 Borås, Sweden, Notified Body No. 0402.

The product has been tested and approved in accordance with EN 397:2012+A1:2012 and certain versions of G3001 in accordance with EN 50365:2002.

Key features

- ▶ The 3M™ Uvicator™ can help to indicate when it is time to replace the helmet as a result of excess exposure to Ultraviolet (UV) radiation
- ▶ Available with ratchet or pinlock head suspensions for adjustability
- ▶ Ventilated versions for increased airflow within the shell
- ▶ Branding and logo printing options available
- ▶ Replaceable leather or plastic sweatband
- ▶ Helmets meet EN 397:212+A1:2012 requirements with the harness rotated through 180° (back to front)
- ▶ Electrically insulated versions meeting EN 50365:2002 for use on low voltage installations
- ▶ Approved for use at -30°C
- ▶ Mining lamp holder option available
- ▶ Available in 8 standard colours (white, yellow, blue, red, green, orange, black, hi-viz green)
- ▶ Options available with reflective stripes fitted as standard

Typical applications

- ▶ Construction
- ▶ Forestry
- ▶ Industry
- ▶ Metalwork
- ▶ Utilities and electrical

Accessories

The 3M™ G3000 is compatible with a range of eye, face and hearing protection products offering flexible and compatible protection.

- ▶ GH1 2-Point Chinstrap
- ▶ GH4 3-Point Chinstrap
- ▶ HYG3 Sweatband plastic (standard)
- ▶ HYG4 Sweatband leather
- ▶ GR3C Rain shield
- ▶ V9 Integrated eyewear
- ▶ All 3M™ PELTOR™ Hearing Solutions with helmet mounted option
- ▶ P3E Adaptor for visor attachment
- ▶ 3M™ V4 Faceshields in combination with faceshield holders V43 (with peak) and V46 (without peak)
- ▶ 3M™ V5 Faceshields in combination with faceshield holder V5

Use limitation

- ▶ Never modify or alter the safety helmet
- ▶ Do not use this safety helmet against hazards other than those specified in the user instruction
- ▶ Use, store and maintain the safety helmet in accordance with the user instruction



Materials

Component	Material
Shell	UV Stabilised ABS
Headband	HDPE
Cradle	Polyester
Sweatband	Leather or plastic (PVC coated foam)

Use and storage

Temperature range for usage	-30°C to +50°C
Recommended storage conditions	+3°C to +40°C <85% humidity
Maximum recommended product life	Up to 5 years from date of manufacture*

*The product life as defined above is indicative data. The product life is subject to many external and non-controllable factors and should not be interpreted as a warranty

Weight

G3000 Shell = 258g

G3001 Shell = 261g

G2M Ratchet Suspension = 81g

Product configuration

Helmet shell	
G3000	With ventilation
G3001	Without ventilation

Fitting sizes	
Pinlock harness	54-62cm
Ratchet harness	53-62cm

The 3M™ M-956 size reducing comfort pad is available as an option for use with the ratchet harness.

Suspension	
G2C	4 point pinlock headband with plastic sweatband
G2D	4 point pinlock headband with leather sweatband
G2M	4 point ratchet headband with leather sweatband
G2N	4 point ratchet headband with plastic sweatband

Product classification

Additional protection characteristics (according to EN 397:2012+A1:2012)

Low temperatures			High temperatures			Electrical properties		Lateral deformation
-10°C	-20°C	-30°C	+50°C	+150°C	Molten metal	440Vac**	1000Vac/ 1500Vdc**	LD
✓	✓	✓	✓	✗	✓	✓	✓	✗

**Properties available on non-vented shell models G3001

Important notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

Personal Protective Equipment is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to Physical Hazards. 3M offers advice on the selection of products, and training in the correct fitting and usage.

For more information on 3M products and services please contact 3M.

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