

3M™ Industrial Safety Helmet H700/H701

Technical datasheet



Description

The 3M™ Industrial Safety Helmet H700 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 H700 and H701 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.

Key features

- ▶ 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)
- ▶ Approved for use at -30°C (EN 397:2012+A1:2012) and -50°C (ГОСТ P EH 397/A1-2010)
- ▶ Available in 6 standard colours (white, yellow, blue, red, green, orange)
- ▶ Options available with reflective stripes fitted as standard
- ▶ Short brim for better upwards visibility

Typical applications

- ▶ Construction
- ▶ Forestry
- ▶ Industry
- ▶ Mining
- ▶ Oil and gas
- ▶ Road construction

Accessories

The 3M™ H700 is compatible with a range of eye, face and hearing protection products offering flexible and compatible protection.

- ▶ GH7 2-Point Chinstrap
- ▶ H700-S6 Band for six point harness
- ▶ HYG3 Sweatband plastic (standard)
- ▶ HYG4 Sweatband leather
- ▶ GR3C Rain shield
- ▶ V9 Integrated eyewear
- ▶ P3E Adaptor for visor attachment
- ▶ All 3M™ PELTOR™ Hearing Solutions with helmet mounted option
- ▶ 3M™ V4 Visors in combination with faceshield holders V43 (with peak) and V46 (without peak)

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	HDPE
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

H700 with Pinlock Suspension G2M = 330g
H701 with Pinlock Suspension G2M = 350g
6-point suspension band = 8g

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 H700

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.

Product configuration

Helmet shell	
H700	With ventilation
H701	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
H700-S6	Additional 6-point suspension strap**
G2M	4 point ratchet headband with leather sweatband
G2N	4 point ratchet headband with plastic sweatband

**Used in combination with a complete suspension