

3M™ Industrial Safety Helmet H-700/H-701

Technical datasheet



Product description

The 3M™ Industrial Safety Helmet H-700 is comfortable, tough and lightweight. Designed with a low profile for stability and balance, the H-700 Series helps provide ultimate comfort and protection from small falling objects. These helmets also feature accessory slots to accommodate 3M helmet-mounted earmuffs, faceshields and welding shields.

The H-700 Series Safety Helmets meet the requirements of EN397:2012.

Key features

- ▶ Available with ratchet or pin-lock size adjustment mechanisms
- ▶ Ventilated version available for increased comfort
- ▶ Customized logo options
- ▶ Replaceable leather or plastic sweatbands
- ▶ Head harness can be rotated 180° to wear helmet “back to front”
- ▶ Approved for use at -30°C (EN397:2012) and -50°C (ГОСТ Р EH 397/A1-2010)
- ▶ Wide range of accessories available
- ▶ Short brim for better upwards visibility
- ▶ Optional 6-point suspension strap available

Applications

- ▶ Construction work
- ▶ Forestry
- ▶ Heavy and light industrial
- ▶ Mining
- ▶ Oil and gas
- ▶ Road construction

Materials

Component	Material
Shell	HDPE
Headband	HDPE
Cradle	Polyester
Sweatband	Leather or plastic

Accessories

- ▶ GH7: 2-point chinstrap
- ▶ HYG3: Sweatband plastic (standard)
- ▶ HYG4: Sweatband leather
- ▶ H-700-S6: Band for 6-point harness
- ▶ G3E: Band for 6-point harness
- ▶ GR3C: Rain shield
- ▶ V6/V9*: Integrated eyewear
- ▶ V4*: Visors, see appropriate datasheets for information
- ▶ Hearing protection, see appropriate datasheets for information

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

Standards and Approval

The 3M™ Industrial Safety Helmet H-700 Series meets the requirements of the PPE Directive (89/686/EEC) and are thus CE marked. The product has been tested and approved by BSI, Kitemark Court, Knowlhill, Milton Keynes, MK5 8PP, UK (Notified Body number 0086).

The product has been tested and approved in accordance with EN397:2012.

Product classification

Additional protection characteristics

Low temperatures	-10°C	✓	-20°C	✓	-30°C	✓	-50°C	✓
Electrical properties	440Vac*	✓	EN50365*					
High temperatures	+50°C	✓	+150°C		Molten metal*	✓		

*Electrical Properties and Molten Metal protection are only available on non-vented shell models H-701

Product configuration

Helmet shell	
H-700	With ventilation
H-701	Without ventilation
Suspension	
G2C	4-point pin-lock headband with synthetic sweatband
G2D	4-point pin-lock headband with leather sweatband
H-700-S6	Additional 6-point suspension strap
G2M	4-point ratchet headband with leather sweatband
G2N	4-point ratchet headband with plastic sweatband

Size

Pinlock Headband – 54-62cm

Ratchet Headband – 53-62cm

Weight

H-700 with Pin-lock Headband weighs approximately 330g

H-700 with Ratchet Headband weighs approximately 350g

The 6-point suspension band weighs 8 grams

Use and storage

Temperature range for usage	-50°C to +55°C
Recommended storage conditions	+3°C to +40°C, <85% humidity
Maximum recommended shelf life	2-5 years depending on the work environment and usage conditions. The key factors for a helmet's 'in use' life are exposure to external force, chemicals and ultraviolet (UV) radiation. In the event of physical or chemical damage the helmet should be replaced immediately.

Important notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.