

3M™ SecureFit™ Safety Helmet X5000/X5500

Technical datasheet



Product description

The 3M™ X5000 and X5500 SecureFit™ Safety Helmets are designed to protect the wearer against objects likely to strike the head in industrial and occupational use.

The X5500 is certified to EN 397, Industrial Safety Helmets, and is designed to be used for general industrial use.

The X5000 is certified to EN 12492, Helmets for Mountaineers, and in addition also certified to EN 397 and is designed to be used for working at height and rescue as well as for general industrial use. Note that X5000 is either in EN 12492 mode or in EN 397 mode but cannot meet both EN standards simultaneously.

The 3M SecureFit™ Safety Helmets are available in a variety of configurations so that the product can be tailored to meet the needs of your application. The 3M SecureFit™ Safety Helmets are also a platform to attach a wide range of 3M hearing, eye and face protection products.

Key features

- ▶ A suspension using patented Pressure Diffusion Technology, reducing pressure on forehead
- ▶ An easy-turning ratchet suspension system fitted low on the head for comfort and security
- ▶ Standard 6-point suspension for X5000 and 4-point suspension for X5500
- ▶ A 4-point chin strap with an easy switch between EN 12492 and EN 397 standards (for X5000 only)
- ▶ Options available with premium chin strap with a magnetic, quick-release buckle
- ▶ Electrically insulated options available for use on low voltage installations meeting EN 50365:2002
- ▶ The patented 3M™ UVicator™ can help indicate when it is time to replace the helmet as a result of excess exposure to ultraviolet (UV) radiation
- ▶ Ventilated versions available for increased airflow within the shell
- ▶ Standard with integrated clips to help hold elastic bands used with 3M goggles and headlamps
- ▶ Helmets meet the requirement for Lateral Deformation
- ▶ Options available for branding and logo printing
- ▶ A replaceable plastic sweatband
- ▶ Approved for use at -30°C
- ▶ Available in 8 standard colours (white, yellow, blue, red, green, orange, black, hi-viz green)

Typical applications

- ▶ Construction
- ▶ Utilities, oil and gas
- ▶ Forestry
- ▶ General industry
- ▶ Any commercial trade that works at height

Product configuration

	X5500NVE	X5500V	X5000V	X5000VE
EN standard selector			✓	✓
Ratchet suspension	✓	✓	✓	✓
4-point suspension	✓	✓		
6-point suspension			✓	✓
Foam insert			✓	✓
Ventilation		✓	✓	✓
Chin strap Plastic buckle				✓
Chin strap magnetic buckle			✓	
Lamp strap clips	✓	✓	✓	✓
UVicator™	✓	✓	✓	✓
Reflective material			✓	



Product classification

	X5500NVE	X5500V	X5000V	X5000VE
EN 397:2012 +A1:2012	✓	✓	✓	✓
-30°C	✓	✓	✓	✓
MM	✓			
LD	✓	✓	✓	✓
440V	✓			
EN 12492:2012			✓	✓
EN 50365:2002 (1000Vac)	✓			✓

Accessories

	X5500NVE	X5500V	X5000V	X5000VE
3M Hearing protectors	✓	✓	✓	✓
3M Faceshields	✓	✓	✓	✓
V9 Integrated eyewear	✓	✓	✓	✓
X5-4PTSUS	✓	✓	X	X
X5-6PTSUS	✓	✓	✓	✓
X5-6PTSTRAP	✓	✓	✓	✓
X5-S4PTCS1	✓	✓	X	X
X5-S4PTCS2	X	X	✓	✓
X5-P4PTCS1	X	✓	X	X
X5-P4PTCS2	X	X	✓	X
X5-LAMPHLDR	✓	✓	✓	✓
X5-IDHLDR	✓	✓	✓	✓
X5-REFKIT	X	✓	✓	X
U5B	✓	✓	✓	✓
P3EV/2	✓	✓	✓	✓

X5-S4PTCS1	= chin strap with plastic buckle	✓ = approved
X5-S4PTCS2	= chin strap with plastic buckle and EN standard selector	X = not approved
X5-P4PTCS1	= chin strap with magnetic buckle	
X5-P4PTCS2	= chin strap with magnetic buckle and EN standard selector	
P3EV/2	= adaptor for visor attachment	
X5-6PTSTRAP	= 6-point suspension strap	
X5-4PTSUS	= 4-point suspension	
X5-6PTSUS	= 6-point suspension	
X5-REFKIT	= reflective sticker kit	
X5-LAMPHLDR	= mining lamp holder	
X5-IDHLDR	= ID badge holder	
U5B	= faceshield holder	

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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Materials

Component	Material
Shell	UV Stabilised ABS
Headband	HDPE
Cradle	Polyester
Sweatband	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.

Fitting sizes

Ratchet harness = 50-63cm

Weight

X5500NVE = 351g

X5000V = 406g

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

Testing and approval

The 3M™ X5000 and X5500 SecureFit™ Safety Helmets meet the requirements of the PPE Regulation (EU) 2016/425 and are thus CE marked. The products have been tested and approved by BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, UK, Notified Body No. 0086.

X5500 has been tested and approved in accordance with EN 397:2012+A1:2012. X5000 has been tested and approved in accordance with EN 397:2012+A1:2012 and with EN 12492:2012. Certain versions of X5500 and X5000 have been tested and approved in accordance with EN 50365:2002.