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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 or 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-vis 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
Faceshield holder U5B/FH1	✓	✓	✓	✓
P3E	✓	✓	✓	✓

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	
P3E	= 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/FH1	= faceshield holder	

Important notice

Product selection and use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, limited remedy, and disclaimer: A limitation of liability applies to the 3M product(s). For warranty statement and limitation of liability, refer to your supply agreement or the 3M terms and conditions of sale.

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.

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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

- ▶ Always read and follow user instructions
- ▶ 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

These products are type approved and audited annually by: BSI Group, The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands, Notified Body No. 2797. These products meet the requirements of European Regulation (EU) 2016/425. These products are type approved and audited annually by: BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, UK, Approved Body No. 0086. These products meet the requirements of Personal Protective Equipment Regulation (Regulation 2016/425 as brought into UK law and amended).

The applicable legislation can be determined by reviewing the Certificate and Declaration of Conformity at www.3M.com/Head/certs

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.