

3M™ Maxim Ballistic Series Safety Glasses

Technical datasheet



Product description

The 3M™ Maxim Ballistic safety spectacles feature an innovative design which enables the user to switch from temples to a headband in seconds. This kit consists of three different lens options which can be attached to either temple arms or an adjustable headband.

These products include various features intended to provide a comfortable fit that is optimised for the individual user. The nose pads and pantoscopic angle (angle of the lens frame to the temple) are fully adjustable and pliable 'soft-touch' materials are used in key contact points.

Maxim Ballistic Tac Packs are available with lens options in either Clear, Amber and Bronze or Clear, Amber and Grey.

Product range

Product ID	Description	Lens colour	Frame colour
13296-00000	3M™ Maxim Ballistic with clear Polycarbonate (PC) lens	Clear PC	Black
13297-00000	3M™ Maxim Ballistic with Bronze (PC) lens	Bronze PC	Black
13299-00000	3M™ Maxim Ballistic with Amber (PC) lens	Amber PC	Black
13200-99999	3M™ Maxim Ballistic Tac Pack with clear / amber / bronze PC lenses	Clear / Amber / Bronze	Black
13204-99999	3M™ Maxim Ballistic Tac Pack with clear / amber / grey PC lenses	Clear / Amber / Grey	Black

Typical applications

These products can be used in a wide range of applications including:

- ▶ Combat pursuits
- ▶ Physical agility training

Intended use

These products are intended for protection against high speed particles at low energy (F) at extreme temperature conditions, -5°C and +55°C, (T) in accordance with EN 166:2001. These products also meet the STANAG 2920 ballistic test. In addition, this product protects against UV radiation in accordance with EN 170:2002 and sun glare in accordance with EN 172:1994 (grey lenses only).

Key features

- ▶ Optical class 1 lens for prolonged use
- ▶ Meets STANAG 2920 ballistic test
- ▶ Offers excellent protection against UV
- ▶ Temples feature adjustable pantoscopic angle
- ▶ Lens coatings provide scratch resistance and anti-fogging
- ▶ Interchangeable lens options
- ▶ Choice of temple arms or headband

Use limitation

- ▶ Never modify or alter this product
- ▶ Do not use this product against hazards other than those specified in this document
- ▶ These products are not suitable for grinding or welding
- ▶ These products are not designed to be worn over prescription spectacles
- ▶ In accordance with EN 166:2001 safety spectacles cannot be tested and approved for use against liquid droplets. Where liquid protection is specified a suitable product should be considered, for example safety goggles

Standards and approval

These products are type examined by BSI Group, Notified Body number 2797.

These products are CE marked to the requirements of European Regulation (EU) 2016/425.

The applicable legislation can be determined by reviewing the Certificates and Declarations of Conformity at www.3M.com/Eye/certs

Materials listing

Component	Material
Lens	Polycarbonate
Brow	Polycarbonate and TPE
Temple	Nylon
Nose pads	TPE
Temple pin	Nickel silver

Marking

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

Product ref	Lens marking	Frame marking
13296-00000	2C-1.2 3M 1 FT	3M EN 166 FT CE
13297-00000	5-3.1 3M 1 FT	3M EN 166 FT CE
13299-00000	2C-1.2 3M 1 FT	3M EN 166 FT CE
13200-99999	2C-1.2 3M 1 FT 5-3.1 3M 1 FT	3M EN 166 FT CE
13204-99999	2C-1.2 3M 1 FT 5-3.1 3M 1 FT	3M EN 166 FT CE

Explanation of marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm). Products marked C provide good colour recognition
5-3.1 (EN 172:1994 as amended)	Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm)
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C

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.

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

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