

# 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.

### 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

### 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).

### 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](http://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<br>5-3.1 3M 1 FT | 3M EN 166 FT CE |
| 13204-99999 | 2C-1.2 3M 1 FT<br>5-3.1 3M 1 FT | 3M EN 166 FT CE |

## Explanation of marking

| Marking                        | Description   |
|--------------------------------|---|
| 2C-1.2<br>(EN 170:2002)        | UV protection<br>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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