



3M™ Maxim™ Series Safety Eyewear

Product Description

The 3M™ Maxim™ Series of protective eyewear has been designed for a wide variety of applications. The range comprises of four different platforms, each platform including a variety of lens colour options that protect against different optical hazards.

The 3M™ Maxim™ Ballistic range features an adjustable pantoscopic angle (angle of the lens frame to the temple), providing an optimised fit for the wearer. This model also includes 'soft-touch' temple tips for increased comfort.

The 3M™ Maxim™ range incorporates both pantoscopic adjustment and temple arms with adjustable length (4 fixed positions).

The 3M™ Maxim™ Hybrid Goggle utilises the same lens as the 3M™ Maxim™ spectacles in order to provide a good field of view and excellent coverage. This product variant is fitted with an adjustable headband and foam surround. In addition to the impact and UV protection offered by the lens, Maxim Hybrid Goggles also provide protection against liquid droplets.

3M™ Maxim™ Sport spectacles feature a 'soft-touch' material that runs along the length of each temple. This is intended to provide additional user comfort and superior grip.

All spectacles within the 3M™ Maxim™ Series are fitted with pliable, adjustable nose-pads and a 'soft-touch' brow guard.

Product Range

Maxim

| | |
|--------------|---|
| 10915 | 3M™ Maxim™ Black PC Clear Scotchgard™ |
| 10916 | 3M™ Maxim™ Black PC Bronze Scotchgard™ |
| 10917 | 3M™ Maxim™ Black PC Amber Scotchgard™ |
| 10918 | 3M™ Maxim™ Denim PC Clear Scotchgard™ |
| 10922 | 3M™ Maxim™ Black PC Shade 3 Scotchgard™ |
| 10923 | 3M™ Maxim™ Black PC Shade 5 Scotchgard™ |
| 13227-00000M | 3M™ Maxim™ Black/Grey PC I/O Mirror |

Maxim Ballistic

| | |
|--------------|--|
| 10919 | 3M™ Maxim™ Ballistic PC Clear Scotchgard™ |
| 10920 | 3M™ Maxim™ Ballistic PC Bronze Scotchgard™ |
| 10921 | 3M™ Maxim™ Ballistic PC Amber Scotchgard™ |
| 10929 | 3M™ Maxim™ Ballistic PC N.Grey Scotchgard™ |
| 13298-00000M | 3M™ Maxim™ Ballistic PC I/O Mirror |

Maxim Hybrid

| | |
|-------|-------------------------------------|
| 10925 | 3M™ Maxim™ Hybrid Clear Scotchgard™ |
|-------|-------------------------------------|

Maxim Sport

| | |
|-------|---------------------------------------|
| 10924 | 3M™ Maxim™ Sport PC Clear Scotchgard™ |
|-------|---------------------------------------|

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. The Maxim Ballistic range has also been tested against the STANAG 2920 ballistic standard. The Maxim Hybrid Goggle provides protection against liquid droplets.

A number of lens options are available for a variety of different applications:

- Clear – Good colour recognition and excellent UV protection
- Bronze/Grey – Protection from sunglare
- Amber – Enhanced contrast in low light condition e.g. surface inspection
- Indoor/Outdoor – Ideal for use in sunny and low light environment
- Welding – Two shade options available to suit individual needs

Key Features

- Advanced Scotchgard coating provides superior anti-scratch and anti-fog protection
- Anti-static coating keeps lenses cleaner for longer
- Design provides excellent coverage and good field of vision
- Optical Class 1 to allow prolonged comfortable wear
- Offers excellent protection against UV radiation
- Maxim Ballistic products meet stringent STANAG 2920 ballistic test

Applications

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

- Combat pursuits
- Construction
- Engineering
- Foundry work
- General assembly
- Light duty maintenance and repair
- Physical agility training
- Welding
- Woodworking

Standards and Approval

This protective eyewear has been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and is thus CE marked.

These products have been examined at the design stage by INSPEC International Ltd., 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (Notified Body number 0194). These products are tested and CE approved against EN166:2001. In addition, the Maxim™ Ballistic products meet the requirements of the STANAG 2920 ballistic test.

Materials

| Component | Material |
|-------------------------|-----------------------------------|
| Lens | Polycarbonate |
| Frame | Nylon and Thermoplastic Elastomer |
| Nose pads | Thermoplastic Elastomer |
| Temple pin | Nickel Silver |
| Foam (Maxim Hybrid) | Polyurethane Elastomer |
| Headband (Maxim Hybrid) | Nylon and Elastomer |

| Total weight | |
|-----------------|-----|
| Maxim | 28g |
| Maxim Ballistic | 28g |
| Maxim Hybrid | 41g |
| Maxim Sport | 30g |

Marking

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

| | |
|-------------------------|--------------------------------|
| Clear lens | 2C-1.2 3M 1 FT K N |
| Maxim Hybrid Clear lens | 3M 1 FT K N |
| Amber lens | 2C-1.2 3M 1 FT K N |
| Bronze lens | 5-3.1 3M 1 FT K N |
| Grey lens | 5-3.1 3M 1 FT K N |
| Indoor/Outdoor lens | 5-1.7 3M 1 FT K N |
| Welding shade 3 lens | 3 3M 1 FT K N |
| Welding shade 5 lens | 5 3M 1 FT K N |
| Maxim frames | 3M Maxim EN166 FT CE |
| Maxim Ballistic frames | 3M Maxim Ballistic EN166 FT CE |
| Maxim Sport frames | 3M Maxim Sport EN166 FT CE |
| Maxim Hybrid frames | 3M Maxim Hybrid EN166 3 FT CE |

Use limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document.
- In accordance with EN166:2001 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.
- This product is not designed to be worn over prescription spectacles

Explanation of Marking

| Marking | Description |
|---|--|
| 2C-1.2 (EN 170:2002) | UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm). |
| 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). |
| 3 and 5 (EN 169:2002) | Welding lens providing protection against UV for the specified range (210nm to 365nm) and IR protection for the specified range (780nm to 2000nm). |
| 3 | Field of use: Liquid Product protects against liquid droplets |
| 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 |
| K | Resistance to surface damage by fine particles |
| N | Resistance to fogging of oculars |

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.



Personal Safety Division EMEA Region

3M Centre,
Cain Road, Bracknell
Berkshire RG12 8HT
United Kingdom
Tel: +44 (0) 1344 858000
www.3M.eu/safety

3M, Maxim and Scotchgard are
trademarks of 3M company.
Please recycle. © 3M 2013.
All rights reserved.
16540