



3M™ Tora™ Series Safety Spectacles

Product Description

The 3M™ Tora™ Series safety spectacle is comprised of a rimless wrap-around lens and fixed-length temple arm. An integrated brow-guard is included for added protection. The temple tips include holes that allow attachment of a lanyard.

Product Range

71501-00001M	3M™ Tora™ PC Clear AS/AF
71501-00002M	3M™ Tora™ PC Bronze AS/AF
71501-00003M	3M™ Tora™ PC Amber AS/AF

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 EN166:2001. They also protect against UV radiation in accordance with EN170:2002, and sun glare in accordance with EN172:1994 (bronze lens).

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

- Clear – Good colour recognition and excellent UV protection
- Bronze – Protection from sunglare
- Amber – Enhanced contrast in low light conditions

Key Features

- Optical class 1 lens suitable for prolonged use
- Design provides excellent coverage and good field of vision
- Offers excellent protection against UV radiation
- Integrated brow bar for added protection
- Lens coatings provide both scratch resistance and reduced fogging
- Lightweight design (24g)

Applications

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

- Construction
- Engineering
- General assembly
- Inspection work
- Light duty maintenance and repair
- 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.

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
Bronze lens	5-2.5 3M 1 FT
Amber lens	2C-1.2 3M 1 FT
Virtua frame	3M Tora EN 166 FT CE

Materials Listing

Component	Material
Lens	Polycarbonate
Temple Arm	Polycarbonate

Use Limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document.
- This product is not suitable for grinding or welding
- 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).
5-2.5 (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

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.



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