



## 3M™ BX™ Safety Spectacles

### Product Description

The 3M™ BX™ range of eyewear includes versatile temples that allow the wearer to adjust their length (4 lock-in positions) and pantoscopic angle (3 angle settings). Combined with pliable temple tips and a soft nose bridge, these features provide a comfortable fit that can be tailored to the needs of individual users.

The range includes a selection of bifocal polycarbonate lenses to aid reading or precision work. These lenses are available in 3 powers of magnification: +1.50, +2.00 and +2.50 dioptres.

### Product Range

|              |                                      |
|--------------|--------------------------------------|
| 11380-00000M | 3M™ BX™ PC Clear AS/AF               |
| 11381-00000M | 3M™ BX™ PC Grey AS/AF                |
| 11374-00000M | 3M™ BX™ Readers +1.50 PC Clear AS/AF |
| 11375-00000M | 3M™ BX™ Readers +2.00 PC Clear AS/AF |
| 11376-00000M | 3M™ BX™ Readers +2.50 PC Clear 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 (grey lenses only). Bifocal lenses are available for reading or precision work.

### Key Features

- Optical class 1 lens suitable for prolonged use.
- Temples feature adjustable length and pantoscopic angle
- Design provides excellent coverage and good field of vision
- Offers excellent protection against Ultraviolet (UV) radiation
- Lens coatings provide both scratch resistance and anti-fogging
- Reader lenses available (+1.50, +2.00 and +2.50 dioptres)
- Total weight 32g

### Applications

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

- Construction
- Engineering
- Industrial manufacturing
- Light duty maintenance and repair
- Precision work
- Woodworking

### Materials Listing

| Component | Material           |
|-----------|--------------------|
| Lens      | Polycarbonate      |
| Frame     | Nylon              |
| Nose pads | Polyvinyl Chloride |

## 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       |
| Grey lens        | 5-3.1 3M 1 FT        |
| +1.50 Clear lens | 2C-1.2 3M 1 FT +1.50 |
| +2.00 Clear lens | 2C-1.2 3M 1 FT +2.00 |
| +2.50 Clear lens | 2C-1.2 3M 1 FT +2.50 |
| Frames           | 3M BX EN166 FT CE    |

## 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
- Not suitable for protection against large dust particles
- 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.
- These products are not designed to be worn over prescription spectacles

## Explanation of Marking

| Marking                                | Description                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2C-1.2<br>(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<br>(EN 172:1994<br>(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                                                                                                    |
| +1.50<br>+2.00<br>+2.50                | Power of magnification (dioptries)                                                                                                                                               |

## 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.

## 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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