

3M™ Headgear G500

Description

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection. With special design features making it easy to combine the headgear with a variety of other 3M safety products such as face shields, passive earmuffs or communication headsets and integrated eyewear.



G500 Key Features

- Ratchet for size adjustment
- Replaceable plastic sweatband
- Compatible with a wide range of 3M™ Peltor™ passive and communications ear muffs
- 5XG-IR5 provides protection against high speed particles with medium energy impact (marking B) in accordance with EN 166.
- Suitable for attaching integrated eyewear V9

Use and Storage

- **Shelf Life:** The maximum recommended product life is up to 5 years from the date of manufacture. The product life as defined here is indicative data. The actual product life is subject to environmental variables and should not be interpreted as a warranty.

- **Storage Conditions:** -5 °C to +50 °C, & humidity <85%

Product Range

| | |
|---------|--------------------------|
| 5XG-IR5 | Faceshield |
| G3501 | Industrial Safety Helmet |
| V5, FH1 | Faceshield holder |

Standards and Approvals

The g500 headgear has been shown to meet the basic safety requirements of the PPE Regulation 2016/425 and is CE marked. The clear faceshield ,models have been tested in accordance with EN 1731:2006.

The product has been examined by DIN CERTO Gesellschaft für Konformitätsbewertung mbH Albionstraße 56 12103 BERLIN, GERMANY, Notified bdy #0196.

Table 1: Standards and Approvals

| Model | Type | Standard | Marking |
|-------|---------------|----------|----------------------|
| 5F-11 | Polycarbonate | EN 166 | 2C-1, 2 3M 1 B CE |
| 5F-11 | Polycarbonate | EN 166 | 5 3M 1 B CE |
| 5B | Mesh | EN 1731 | 3M EN 1731:2006 F CE |
| 5F-1 | Mesh | EN 1731 | 3M EN 1731:2006 F CE |
| 5J-1 | Mesh | EN 1731 | 3M EN 1731:2006 F CE |

If the faceshield and the frame are not both marked with the same symbol, the lowest level applies to the complete face protector.

Spare Parts and Accessories

| Product Code | Accessories |
|--------------|--------------------|
| HYG50 | Plastic sweat band |

| Product Code | Description |
|--------------|---|
| V9C | Helmet integrated safety eyewear, clear |
| V9A | integrated safety eyewear, amber |
| V9G | integrated safety eyewear, grey |

G500 Technical Specifications

Table 2: Product Size

| Model | Top to Bottom | Side to Side |
|---------|---------------|--------------|
| 5XG-IR5 | 211mm | 230mm |

Figure 1: Faceshield Visor



Table 3: Materials

| Component | Material |
|-----------|----------------------------------|
| 5XG-IR5 | Gold-plated polycarbonate |
| G3501 | Glass fiber reinforced polyamide |
| V5, FH1 | Polyamide |

Table 4: Performance

| Model | Filtering Performance | Optical class | Impact Performance | Impact Performance |
|---------|-----------------------------------|---|---|--|
| 5XG-IR5 | 4-5 = IR filter, Shade 5 (EN 171) | The allowable variation in refractive powers for oculars is assessed during certification of the product. Class 1 is the highest performance class for optical clarity. | 5XG-IR5 meets the requirement for protection against high speed particles for medium energy impacts, marked B (120m/s). | The 5XG-IR5 meets the optional requirements for protection against molten metal, marked 9. |

G500 Use Limitations

- Always follow the user instructions.
- Where the faceshield and frame markings do not match, the lowest level of protection applies.
- Scratched or damaged oculars should be replaced immediately.
- Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer. Do not use this product against hazards other than those specified in this document.
- Never modify or alter this product.



Personal Safety Division

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3M PSD products are
occupational use only.

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