

3M™ Head & Face Technical Datasheet



3M™ Headgear G500

Product 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 other 3M safety products such as face shields, passive earmuffs or communication headsets and integrated eyewear.

Key Features:

- Ratchet for size adjustment
- Printable front cover for customized solutions
- Replaceable plastic sweatband
- Compatible with a wide range of 3M™ Peltor™ passive and communications Ear muffs
- Suitable for attaching integrated eyewear V6*

Applications:

- Industry

Use and storage:

Recommended storage conditions: -20° C - +55° C, <85% humidity
Recommended maximum shelf life: 5 years.

Size:

The fitting is adjustable between 54 and 62 cm

Use limitation:

Never modify or alter this product

- Do not use this product against hazards other than those specified
- Refer to the user instruction for the specific product for more information

Harness adjustment

8 positions for head size adjustment



Harness adjustment

Three positions for height adjustment

Ratchet harness

This solution with its ergonomically designed neck support, makes it possible to obtain maximum comfort for long periods of time. The adjustment dial is made of a TPE-material for maximum grip

Frontcover

Ventilation for increased comfort.
The frontcover is also designed as a cable holder in combination with Peltor Communication products

Headband

Robust design ready to be attached to ear muffs

Integrated eyewear

To increase eye protection, G500 can incorporate the integrated eye protection range (V6*), that are available in clear, grey and yellow.



V6C Yellow

Clear faceshields

5E-11 (Polycarbonate) protection grade B against high speed particles according to EN166.
5F-11 (Polycarbonate) protection grade B against high speed particles according to EN166.

Hearing Protection

Thanks to the robust design of the headband, G500 can be used both with and without earmuffs. The slot is 30 mm and fit the Peltor P3E-attachment.



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Standards and Approval:

The G500 headgear has been shown to meet the basic safety requirements of the European Directive 89/686/EEC and is thus CE marked. The clear face shield models have been tested in accordance with EN 166:2001.

The product has been examined by FIOH, Finnish Institute of Occupational Health, Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland Notified body #0403

| Model | European Standard | Scale Number | Optical Class | Symbol | Field of use | Mechanical Strength |
|-------|--------------------------|--------------|---------------|-------------|---|-------------------------------|
| 5E-11 | EN166:2001 EN169:2002 | 5 | 1 | B 3 | High speed particles Liquid Splash | Medium energy impact (120m/s) |
| 5F-11 | EN166:2001 | 2C-1,2 | 1 | B 3 8 | High speed particles Liquid Splash Short Circuit Electric Arc | Medium energy impact (120m/s) |

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

Technical Specification:

| Model | Material(s): | Size | Weight: | Colour: |
|-------|-----------------------|---------|--------------------------------------|------------------|
| G500 | PA66, Stainless steel | 54-62cm | 242 g (w/o face shield and muffs) | black and yellow |

The headgear can carry both mesh face shields as well as clear face shields.

Available face shields:

| Model | Material(s): | Minimum thickness | Coating | Weight: | Colour: |
|-------|---------------|-------------------|-------------------------|---------|---------|
| 5E-11 | Polycarbonate | 1,5 mm | Anti Fog + Anti Scratch | 140 g | Green |
| 5F-11 | Polycarbonate | 1,5 mm | Anti Fog + Anti Scratch | 138 g | Clear |

For mesh face shields see specific Technical data sheet

Spare Parts and Accessories:

| Product code | Description |
|--------------|------------------------------------|
| 5E-11 | Polycarbonate Face shield, Shade 5 |
| 5F-11 | Polycarbonate Face shield, Clear |
| V6C | Integrated safety eyewear, Yellow |
| V6B | Integrated safety eyewear, Grey |
| V6E | Integrated safety eyewear, Clear |
| HYG50 | Plastic sweat band |

Important Notice

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