

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

- Gardening
- Forestry

Size:

The fitting is adjustable between 54 and 62 cm

Use and storage:

Temperature range for usage: -5°C – +55°C

Recommended storage conditions: -20° C - +55° C, <85% humidity

Recommended maximum shelf life: 5 years.

Use limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified
- Refer to the relevant user instruction for further 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 enhanced 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



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.

Integrated eyewear

For additional eye protection, the 3M G500 can incorporate the integrated eye protection range (3M V6*). Options are available in clear, grey and yellow



V6C Yellow

Mesh Visor

Mesh visors approved for "high speed particles" (45m/s; F) or increased robustness (S) according to EN1731:2006.



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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 are thus CE marked. The mesh face shield models has been tested in accordance with EN 1731:2006.

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 | Symbol | Field of use | Mechanical Strength |
|-------|-------------------|--------|----------------------|---------------------|
| G500 | EN1731:2006 | F | High speed particles | Low energy impact |

| Model | European Standard | Symbol | Field of use | Mechanical Strength |
|-------|-------------------|--------|----------------------|---------------------------|
| 5B | EN1731:2006 | F | High speed particles | Low energy impact (45m/s) |
| 5C-1 | EN1731:2006 | S | Basic Use | Increased robustness |
| 5J-1 | EN1731:2006 | S | Basic Use | Increased robustness |

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 | PP, PA, POM, Stainless steel PVC/Polyester | - | 212 g (w/o face shield) | black/orange |

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

Available Mesh face shields:

| Model | Material(s): | Size | Light reduction | Weight: | Colour: |
|-------|-----------------------------|---|---|---------|---------|
| 5B | Polyamide mesh | ø 0,3 1,0 x 1,0 mm | 45% | 45 g | Black |
| 5C-1 | Stainless steel mesh | ø 0,24 1,8 x 2,5 mm | 24% | 54 g | Black |
| 5J-1 | Etched stainless steel mesh | Area 1: 4,0x1,5x0,15 mm Area 2: 3,8x1,4x0,15 mm Area 3: 3,7x1,3x0,15 mm | Area 1: 17% Area 2: 28% Area 3: 37% | 53 g | Black |

For polycarbonate face shields see specific Technical data sheet

Spare Parts and Accessories:

| Product code | Description |
|--------------|---|
| 5B | Face shield, Polyamide mesh |
| 5C-1 | Face shield, Stainless steel mesh |
| 5J-1 | Face shield, Stainless steel mesh, etched |
| 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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