

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:

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

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 faceshield

5F-1 (Polycarbonate) protection grade BT/A 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
5F-1 5F-2	EN166:2001	2C-1,2	1	BT A 3 9 K N	High speed particles at extremes of temperature High speed particles Liquid Splash Molten Metal Splash Resistance to surface damage by fine particles Resistance to fogging	Medium energy impact High energy impact
5E-1	EN166:2001	5	1	BT 3 9 K N	High speed particles at extremes of temperature Liquid Splash Molten Metal Splash Resistance to surface damage by fine particles Resistance to fogging	Medium energy impact

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:
HeadGear G500:	PP, HDPE, 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 polycarbonate face shields:

Model	Material(s):	Minimum thickness	Coating	Weight:	Colour:
5F-1	Polycarbonate	1,5 mm	Outside: Anti Fog, Inside: Anti Fog	138 g	Clear
5F-2	Polycarbonate	1,5 mm	Outside: Hard Coat, Inside: Anti Fog	138 g	Clear
5E-1	Shaded Polycarbonate	1,5 mm	Outside: Anti Fog, Inside: Anti Fog Shade: 5	140 g	Green

For mesh face shields see specific Technical data sheet

Spare Parts and Accessories:

Product code	Description
5F-1	Polycarbonate Face shield, Clear
5F-2	Polycarbonate Face shield, Clear
5E-1	Polycarbonate Face shield, Green
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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