

3M™ Head & Face Technical Datasheet



3M™ V5 Linkage system for Helmet

Product description

The 3M™ V5 Linkage system can be mounted onto the 3M™ G22 or 3M™ G3000 Industrial Safety helmet series to allow attachment of a range of faceshields.

Key Features:

- Compatible with 3M™ G22 and G3000 industrial safety helmet series
- Clear and Shade 5 Polycarbonate face shields available
- Anti fog Coated face shields available
- Stable and robust replaceable face shields

Applications

- Industry
- Grinding
- Risk of Splash

Use and storage:

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

Attach to helmet

The 3M™ V5 Face Shield System is designed to attach to recommended safety helmets, via a wide range of 3M™ Peltor™ Ear muffs with helmet attachment.



Easy adaption

The new “Snap-in” feature makes it quick and easy to combine the face shield to the face shield holder.




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Standards and Approval:

The V5 Linkage system 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 and approved in accordance with EN166:2001.

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	Symbol	Field of use	Mechanical Strength
V5 	EN166:2001 EN1731:2006	A BT 3 8 F	High speed particles High speed particles at extremes of temperature (-5°C to +55°C) Liquid Splash Short Circuit Electric Arc High speed particles	High energy impact (190m/s) Medium energy impact (120m/s) Low energy impact (45m/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.

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:
V5	PA66, Stainless steel	-	66 g (w/o face shield)	black


The headgear can carry 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, Green
5F-11	Polycarbonate Face shield, Clear
P3EV/2 3M Id: XH001651484	Helmet attachment w/o muffs 

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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