

3M Personal Safety Division
3M™ V5 Face Shield System



Protection and Comfort

For Demanding Environments

The Power to Protect Your WorldSM





Protection and Comfort For Demanding Environments

3M™ V5 Face Shield System

Smart solutions, easy adaptation

The 3M™ V5 Face Shield System is designed for compatibility with 3M™ G3000 Safety Helmet, 3M™ V6 Integrated Eyewear, 3M™ Peltor™ Ear Muffs and Communication headsets. The V5 Face Shields also provide improved protection against high speed particles, both from the front and the sides.

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





With the same high level of comfort and good field of view as the existing V4-series, the new sturdy V5 face shields now also offer options with increased protection against high speed particles

3M™ Mesh Face Shields

The 3M mesh faceshields feature a sturdy design without compromising field of view and user comfort.

The polyamide mesh faceshield (5B) is a lightweight and non-conductive solution that offers protection against high speed particles (45m/s).

3M™ Clear Face Shield

The V5 polycarbonate face shield provide increased protection against high speed particles (120m/s). The polycarbonate face shields are scratch resistant and anti-fog treated on both sides for the maximum field of view.



5B

5C-1

5J-1

5F-11

Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked. Certification under Article 10, EC Type-Examination, has been issued for these products by Finnish Institute of Occupational Health (FIOH), Topeliuksenkatu 41aA, FIN-00250 Helsinki, Finland (Notified Body number 0403).

Technical Specification

Mesh Face shields

Face shield 5B

Polyamide mesh: Ø 0.3, 1.0x1.0mm
Light Reduction: 45%
Weight: 45g

Face shield 5C-1

Stainless Steel Mesh: Ø 0.24, 2.5x1.8mm
Light Reduction: 24%
Weight: 54g

Face shield 5J-1


Etched Stainless Steel Mesh
Light Reduction: Area 1 - 17%; Area 2 - 28%; Area 3 - 37%
Weight: 53g

Clear Face shields


Face shield 5F-11

Polycarbonate
Minimum Thickness: 1.5mm
Weight: 138g
Coating: Anti-fog, Anti-scratch




Technical Specification & Certification

Model	European Standard	Symbol	Field of use	Mechanical Strength
 V5	EN166:2001	A BT 3 8 9	High speed particles High speed particles at extremes of temperature (-5°C to +55°C) Liquid Splash Short Circuit Electric Arc Molten Metal Splash	High energy impact (190m/s) Medium energy impact (120m/s)
	EN1731:2006	F	High speed particles	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
 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.

Model	European Standard	Light Reduction	Symbol	Field of use	Mechanical Strength
 5B	EN1731:2006	45%	F	High speed particles	Medium energy impact (45m/s)
 5C-1	EN1731:2006	24%	S		Increased robustness
 5J-1	EN1731:2006	Area 1: 17% Area 2: 28% Area 3: 37%	S		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.

Model	Weight:	Size / Mesh Dimension:	Colour:
5F-11	138 g	172 x 348 mm	Clear
5B	45 g	ø 0,3 1,0 x 1,0 mm	Black
5C-1	54 g	ø 0,24 1,8 x 2,5 mm	Black
5J-1	53 g	Area 1 (17%): 4,0x1,5x0,15 mm Area 2 (28%): 3,8x1,4x0,15 mm Area 3 (37%): 3,7x1,3x0,15 mm	Black



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