

## 3M™ 5-series and X5-series Protective Faceshields

### Product Description



The 3M™ 5-series and X5-series Protective Faceshields are a range of helmet and/or headgear mounted faceshields designed to meet the requirements in various industrial applications. The range includes a selection of sizes and shades offering protection from various optical hazards, chemical splashes and flying particles.

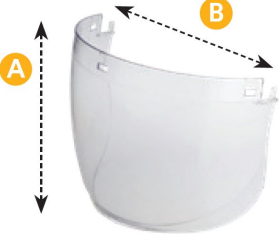
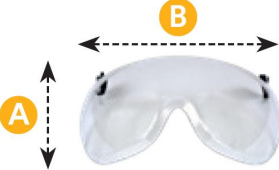
### Product Range

Product ID	Description
3M™ 5E-11	Green polycarbonate faceshield
3M™ 5F-11	Clear polycarbonate faceshield
3M™ 5H	Clear polycarbonate faceshield
3M™ 5A-CPF	Clear acetate faceshield
3M™ X5-SV01	Clear polycarbonate short faceshield
3M™ X5-SV02	Grey polycarbonate short faceshield
3M™ X5-SV03	Amber polycarbonate short faceshield
3M™ X5000, X5500	3M™ SecureFit™ Helmets
3M™ G3000, G3501	Helmets
3M™ G500, H8	Headgear
3M™ V5, 3M™ FH1	Linkage system

### Typical Applications

- General industry
- Chemical industry (5A-CPF)
- Construction
- Metal working
- Working at height (X5-SV)

## Size

Diagram	Model	A (mm)	B (mm)
	5E-11	169	223
	5F-11	169	223
	5H	382	190
	5A-CPF	205	205
	X5-SV	136	194

Model	Thickness*	Weight**
5E-11	1.8mm	140g
5F-11	1.6mm	138g
5H	1.0mm	85g
5A-CPF	1.0mm	112g
X5-SV	2.5mm	77g

\*Thickness measurement depends on measuring place. These measurements are average central thickness.

\*\*Weights are average values.

## Key Features

- The 5-series faceshields are designed to be used with faceshield holders V5 or FH1 attached to a wide range of 3M™ Safety Helmets (5H series can be connected only to FH1)
- For fast replacement, the 5-series faceshields feature an easy to use ‘snap in’ connection with the faceshield holders V5 or FH1 and headgear G500 or H8 (Except 5H)
- The X5-SV faceshields feature an easy and fast connection directly to the 3M™ SecureFit™ Helmets
- The double curved shape of the 5- and X5-series allows for a close-fitting faceshield design. Only 5H has flat design.
- All 5- and X5-series feature a fog resistant coating to improve fogging when compared to an uncoated faceshield. In addition, the X5-series feature a scratch-resistant coating (Except 5H)
- 5A-CPF features a curved chin cup designed to enhance protection against liquid splashes

## Materials

Component	Material
5E-11, 5F-11, 5H and X5-series	Polycarbonate
5A-CPF	Acetate faceshield and polycarbonate chin cup
H8 Headgear	ABS/polyamide
G500 Headgear	Polyamide, HDPE
V5 and FH1 linkage system	Polyamide

## Standards and Approvals

These products are type approved by DIN CERTCO Gesellschaft fuer Konformitaetsbewertung GmbH, Alboinstrasse 56, 12103 Berlin, Germany (Notified body number 0196); These products meet the requirements of Regulation 2016/425 on personal protective equipment.

These products are type approved by TUV Rheinland UK, Friars Gate (Third Floor), 1011 Stratford Road, Shirley, Solihull B90 4BN. Approved Body no. 2571; These products meet the requirements of Regulation 2016/425 on personal protective equipment, as amended to apply in GB.

Certificates and Declarations of Conformity are available at [www.3M.com/Head/certs](http://www.3M.com/Head/certs)

## Performance

The table below summarises the 3M™ 5-series and X5-series Protective Faceshield specifications according to EN 166.

Model	Filtering perf.	Optical clarity	Impact perf.	Fields of use	Optional requirements
5E-11	5	1	B	3	N/A
5F-11	2C-1,2	1	B	3	N/A
5H	N/A	1	F	3	N/A
5A-CPF	2-1,2	1	FT	3	N
X5-SV01	2C-1,2	1	BT	N/A	K, N
X5-SV02	5-3,1	1	BT	N/A	K, N
X5-SV03	2C-1,2	1	BT	N/A	K, N

### Filtering performance:

5 = Welding filter, Shade 5 (EN 169)

2C-1,2 = UV filter, good colour recognition, Shade 1,2 (EN 170)

5-3,1 = Sunglare filter, Shade 3,1 (EN 172)

2-1,2 = UV filter, Shade 1,2 (EN 170)

### Optical clarity:

The allowable variation in refractive powers for oculars is assessed during certification of the product. Class 1 is the highest performance class for optical clarity.

### Impact performance:

5E-11, 5F-11 and the X5-series meet the requirement for protection against high speed particles for medium energy impacts, marked B (120m/s). In addition, the X5-series meet this requirement after conditioning at 55°C and -5°C, marked BT. 5A-CPF and

5H meet the requirement for protection against high speed particles for low energy impacts, marked F (45m/s). In addition, 5A-CPF meets the requirement after conditions at 55°C and -5°C, marked FT.

#### Fields of use:

The 5-series faceshields meet the optional requirements for protection against liquid splash, marked 3.

#### Optional requirements:

5A-CPF and the X5-series meet the requirements for resistance to fogging, marked N. In addition, the X5-series meet the requirements for resistance to surface damage by fine particles, marked K.

## Use Limitations

- Always read and follow user instruction
- Where the faceshield and frame markings do not match the lowest level of protection applies
- Scratched or damaged oculars should be replaced immediately
- Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer. Do not use this product against hazards other than those specified in this document
- Never modify or alter this product

## Compatibility

The faceshield holders V5 and FH1 are connected to the helmets through a 3M™ P3E earmuff or a P3E adapter if hearing protection is not required. The X5-SV faceshields do not require a faceshield holder and are connected directly to P3E.

Model	X5000 / X5500	FH1 + X5000 / X5500	V5/FH1 + G3000	V5/FH1 + G3501	G500	H8
5E-11	N/A	✓	✓	✓	✓	x
5F-11	N/A	✓	✓	✓	✓	x
5H	N/A	✓	✓ (only FH1)	✓ (only FH1)	x	x
5A-CPF	N/A	✓	✓ (only FH1)	✓ (only FH1)	x	✓
X5-SV01	✓	N/A	x	x	x	x
X5-SV02	✓	N/A	x	x	x	x
X5-SV03	✓	N/A	x	x	x	x

✓ = approved

x = not approved

N/A = not applicable

\*\*\*Always check the CE certificate for the product combination

## Important Notice

**Product selection and use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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