

3M™ SecureFit™ 3700 OTG Series Safety Spectacles

Technical datasheet



Product description

The 3M™ SecureFit™ 3700 Series is an extension to the SecureFit range of protective eyewear that offers users over the glass protection and is designed with Pressure Diffusion Temple Technology for all day wearability. Models within this series of SecureFit protective eyewear are comprised of a rimless lens and fixed-length temple arm. The lens incorporates a side-shield for added protection. The temples feature 3M™ Pressure Diffusion Temple Technology which helps diffuse pressure over the ear to enhance frame comfort across a diverse workforce. Adjustable ratchet temples allow users to adjust the lens for facial features and eyeglass position.

The 3M™ Scotchgard™ Anti-fog coating has been added to some models in the SF3700 series. This coating resists fogging longer than traditional anti-fog coatings, up to 25 washes with water*. It helps provide durable scratch resistance in tough work environments. The 3M™ Scotchgard™ Anti-fog coating is tested to EN 168 K&N for anti-fog and anti-scratch performance.

*3M internal testing per EN 168 test method when compared with traditional anti-fog coatings.

Key features

- ▶ Optical class 1 lens for prolonged use
- ▶ Adjustable ratchet temples allow user to adjust lens for facial features and eyeglass position
- ▶ 3M™ Pressure Diffusion Temple Technology for secure and comfortable fit
- ▶ Contoured brow guard rest comfortably against forehead and helps provide additional coverage from particles (select models)
- ▶ 3M™ Scotchgard™ Anti-Fog (SGAF) coating on selected models to give EN 166 Anti-Fog (N) and Anti-Scratch (K)
- ▶ Models with anti-scratch coating also available
- ▶ Polycarbonate lenses absorb 99.9% of UVA and UVB rays
- ▶ Lightweight OTG design (48g)



SF3702XSGAF-BLU
(with brow guard)

Product range

Product ID	Description	Lens colour	Frame/shroud colour
SF3701ASP-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Anti-scratch+ (K), Clear Lens, SF3701ASP-BLU-EU	Clear	Blue/blue
SF3701SGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Scotchgard™ Anti-Fog (K&N), Clear Lens, SF3701SGAF-BLU-EU	Clear	Blue/blue
SF3701SGAF-GRN	3M™ SecureFit™ 3700 Overspectacles, Lime Green Temple, Scotchgard™ Anti-Fog (K&N), Clear Lens, SF3701SGAF-GRN-EU	Clear	Grey/lime green
SF3701SGAF-ORG	3M™ SecureFit™ 3700 Overspectacles, Orange Temple, Scotchgard™ Anti-Fog (K&N), Clear Lens, SF3701SGAF-ORG-EU	Clear	Grey/orange
SF3701XSGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Brow Guard, Scotchgard™ Anti-Fog (K&N), Clear Lens, SF3701XSGAF-BLU-EU	Clear	Grey/blue
SF3702SGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Scotchgard™ Anti-Fog (K&N), Grey Lens, SF3702SGAF-BLU-EU	Grey	Blue/blue
SF3702XSGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Brow Guard, Scotchgard™ Anti-Fog (K&N), Grey Lens, SF3702XSGAF-BLU-EU	Grey	Grey/blue
SF3703SGAF-GRN	3M™ SecureFit™ 3700 Overspectacles, Lime Green Temple, Scotchgard™ Anti-Fog (K&N), Amber Lens, SF3703SGAF-GRN-EU	Amber	Grey/lime green
SF3707SGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple, Scotchgard™ Anti-Fog (K&N), Indoor/Outdoor Light Grey Lens, SF3707SGAF-BLU-EU	I/O grey	Blue/blue
SF3707XSGAF-BLU	3M™ SecureFit™ 3700 Overspectacles, Blue Temple Brow Guard, Scotchgard™ Anti-Fog (K&N), I/O Light Grey Lens, SF3707XSGAF-BLU-EU	I/O grey	Grey/blue
SF3717ASP-BLK	3M™ SecureFit™ 3700 Overspectacles, Black Temple, Anti-Scratch + coating, IR Shade 1.7 lens, SF3717ASP-BLK	IR Shade 1.7	Black
SF3730ASP-BLK	3M™ SecureFit™ 3700 Overspectacles, Black Temple, Anti-Scratch + coating, IR Shade 3.0 lens, SF3730ASP-BLK	IR Shade 3	Black
SF3750ASP-BLK	3M™ SecureFit™ 3700 Overspectacles, Black Temple, Anti-Scratch + coating, IR Shade 5.0 lens, SF3750ASP-BLK	IR Shade 5	Black

Typical applications

These products may be suitable for use in a wide variety of applications including:

- ▶ Food and beverage manufacturing
- ▶ General manufacturing
- ▶ Metal fabrication
- ▶ Military
- ▶ Maintenance, Repair and Operation (MRO)
- ▶ Oil and gas
- ▶ Transportation
- ▶ Primary metals
- ▶ Construction

Intended use

These products are intended for protection against a variety of hazards including low energy impact (F) at extremes of temperature -5°C and +55°C (T) in accordance with EN 166:2001.

These products also help protect against UV radiation in accordance with EN 170:2002 (clear and amber lenses), and sun glare in accordance with EN 172:1994 (grey).

The SecureFit™ 3700 lenses are also intended to give an enhanced level of protection against fogging and scratching from the 3M™ Scotchgard™ coating which meets K rating for anti-scratch (AS) and N rating for anti-fog (AF) as per EN 166:2001.

A number of lens options are available for a variety of different applications:

- ▶ Clear - good colour recognition and UV protection
- ▶ Grey - protection from sunglare
- ▶ Amber - enhanced contrast in low light conditions
- ▶ Indoor/Outdoor (I/O) – may be suitable for workers subject to glare when moving in and out of strong sunlight
- ▶ Grey IR lenses 1.7, 3.0 & 5.0 (with good colour recognition) - certain welding, cutting & torch work applications
- ▶ ASP – anti-scratch coating meeting “K” requirements of EN 166
- ▶ 3M™ Scotchgard™ – for added protection against fogging and scratching (EN 166 Anti-Fog (N) and Anti-Scratch (K))

Use limitation

- ▶ Never modify or alter this product
- ▶ Do not use this product against hazards other than those specified in this document
- ▶ These products are not suitable for grinding or welding

Explanation of marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm)
5-1.7 and 5-3.1 (EN 172:1994 (as amended))	Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm)
1.7, 3.0 and 5.0 (EN 169:2002)	Welding lens providing protection against UV for the specified range (210nm to 365nm) and IR protection for the specified range (780nm to 2000nm).
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C
K	Resistance to surface damage by fine particles
N	Resistance to fogging

Standards and approval

These products are type examined by Certottica SCRL, Ufficio Commerciale - test e certificazione, ZI Villanova K32013 Longarone BL, Italy, (Notified body number 0530).

These products are CE marked to the requirements of European Regulation (EU) 2016/425.

The applicable legislation can be determined by reviewing the Certificate and Declaration of Conformity at www.3M.com/Eye/certs

Materials listing

Description	Material
Lens	Polycarbonate
Frame	Polycarbonate
Temple	TPR
Hinge	Polyamide 66
Nosepiece (hard)	Polycarbonate
Nosepiece (soft)	TPR
Brow (hard)	Polycarbonate
Brow (soft)	TPR
Screws	Stainless steel

Marking

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

Product ref	Lens	Frame
SF3701ASP-BLU	2C-1.2 3M 1 FT K	3M EN 166 FT CE
SF3701SGAF-BLU	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SF3701SGAF-GRN	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SF3701SGAF-ORG	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SF3701XSGAF-BLU	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SF3702SGAF-BLU	5-3.1 3M 1 FT K N	3M EN 166 FT CE
SF3702XSGAF-BLU	5-3.1 3M 1 FT K N	3M EN 166 FT CE
SF3703SGAF-GRN	2C-1.2 3M 1 FT K N	3M EN 166 FT CE
SF3707SGAF-BLU	5-1.7 3M 1 FT K N	3M EN 166 FT CE
SF3707XSGAF-BLU	5-1.7 3M 1 FT K N	3M EN 166 FT CE
SF3717ASP-BLK	1.7 3M 1 FT K	3M EN 166 FT CE
SF3730ASP-BLK	3 3M 1 FT K	3M EN 166 FT CE
SF3750ASP-BLK	5 3M 1 FT K	3M EN 166 FT CE

IMPORTANT NOTICE

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

For more information on 3M products and services please contact 3M.

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SecureFit™ 3700 OTG.1
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