

3M™ SecureFit™ Protective Eyewear Solus 2000 Series



Description

3M™ Solus™ Protective Eyewear 2000 Series features adjustable ratchet temples that allow wearers to customize fit - a first for 3M's Solus lineup. Choose from several lens coating options, including 3M™ Scotchgard™ Protector Anti-Fog Coating, multiple lens tints and features including a removable foam gasket to help create your optimal protective eyewear solution.

Key Features

- Polycarbonate lens absorbs 99.9% of UVA, UVB, and UVC rays between 200 nm and 380 nm
- Semi-rimless ocular frame
- Contemporary styling with padded temples and soft nose bridge for added comfort
- Multiple position ratchet allows user to adjust lens for facial features and protective eyewear position
- Models with 3M™ Scotchgard™ Anti-Fog Protector Coating (SGAF) resist fog 11x longer and have 7x better anti-scratch performance than traditional 3M™ anti-fog coating based on 60 second test
- Models with 3M™ Scotchgard™ Anti-Fog Protector Coating (SGAF) meet optional anti-fog performance ('X' mark) per ANSI/ISEA Z87.1-2020
- Models available with molded-in magnifying diopters +1.5, +2.0, +2.5
- Foam gasket available to help keep debris out of your eyes while providing comfort and cushioning

Typical Applications

These products may be suitable for use in a wide variety of applications including, but not limited to food and beverage manufacturing, general manufacturing, metal fabrication, military, maintenance, repair and operation, oil and gas, transportation, primary metals, construction, applications where fogging may be an issue.

Regulatory Approvals

All versions meet the requirement of ANSI/ISEA Z87.1-2020 and select versions meet the requirements of CSA Z94.3-2020.

Storage and Cleaning

Eyewear should be stored between temperatures of 50 °F (10 °C) and 86 °F (30 °C), in dry conditions with no chemical exposure, out of any direct exposure to radiation (sunlight, IR, UV, etc.), and in non-abrasive environments. Thoroughly clean all surfaces with a mild soap solution and lukewarm water, then rinse. Dry with a soft cloth or tissue. Do not use any solvents on these lenses.

Product Specifications

- Weight: 25 g (0.9 oz)
- Weight - foam gasket: 6 g (0.2 oz)
- Lens width: 138 mm
- Lens height: 42 mm
- Lens material: polycarbonate
- Temple length: 123 mm
- Temple material (soft): thermoplastic rubber (TPR)
- Temple material (hard): polycarbonate
- Brow/frame material: polycarbonate
- Hinge piece material: polycarbonate
- Nose pad material: thermoplastic rubber (TPR)
- Temple hinge material: stainless steel screw
- Foam gasket width: 138 mm
- Foam gasket height: 44 mm
- Foam gasket material (foam): ethylene vinyl acetate
- Foam gasket material (frame): polypropylene

Lens Color Options, Markings, and Light Transmittance

Lens Option	Description	Markings	Visible Light Transmitted* (380-780 nm)	UVA, UVB, UVC Blocked (200-380 nm)	Blue Light Blocked* (200-380 nm)
Clear	For general indoor applications where impact protection is required. Also helps protect against ultraviolet light. Luminous Transmittance is >85%.	AF Models: 3M Z87+ U6 Z94.3 CSA Logo SGAF Models: 3M Z87+ U6 X Z94.3 CSA Logo Readers will have an additional marking of +1.5, +2.0 or +2.5	89.0%	99.9%	12.5%
Gray	For outdoor applications where light and glare can cause eye strain and fatigue. A gray tint provides good protection from glare and helps keep distortion of colors to a minimum.	3M Z87+ U6 L3 X Z94.3 CSA Logo	16.1%	99.9%	88.2%
Amber	For outdoor applications to enhance contrast in low-light conditions. A yellow tint helps make objects appear sharper against a blue or green background. Yellow tints are good for overcast, hazy or foggy conditions. Not for night driving.	3M Z87+ U6 X Z94.3 CSA Logo	85.5%	99.9%	78.3%
Indoor/ Outdoor Gray	For applications where workers are moving in and out of strong sunlight. A light gray lens reduces brightness and glare when working both indoors and outdoors. Also helps reduce glare from artificial light because they filter some blue light, although not as strongly as a yellow tint.	3M Z87+ U6 L1.7 X Z94.3 CSA Logo	53.7%	99.9%	51.0%

Lens Option	Description	Markings	Visible Light Transmitted* (380-780 nm)	UVA, UVB, UVC Blocked (200-380 nm)	Blue Light Blocked* (200-380 nm)
Brown	For outdoor applications where sunlight and glare can cause eye strain and fatigue. Brown tints work well in variable light conditions and help provide good contrast.	3M Z87+ U6 L2.5 X Z94.3 CSA Logo	27.6%	99.9%	88.3%
Blue Mirror	Use outdoors where sunlight and glare can cause eye strain and fatigue. Mirror coating reflects light reducing the amount of light that passes through the lens.	3M Z87+ U6 L3	14.6%	99.9%	82.6%
Red Mirror	Use outdoors where sunlight and glare cause eye strain and fatigue. Mirror coating reflects light reducing the amount of light that passes through the lens.	3M Z87+ U6 L3	17.5%	99.9%	90.6%
1.7 IR	Use these shaded spectacles where there is intense heat. The IR lens helps protect against glare, ultraviolet and infrared radiation. Shade 1.7 can be used for certain soldering applications.	3M Z87+ U6 W1.7 Z94.3 CSA Logo	55.2%	99.9%	46.4%
3.0 IR	Use these shaded spectacles where there is intense heat. The IR lens helps protect against glare, ultraviolet and infrared radiation. Shade 3.0 can be used for certain brazing or cutting applications.	3M Z87+ U6 W3.0 Z94.3 CSA Logo	13.7%	99.9%	89.0%
5.0 IR	Use these shaded spectacles where there is intense heat. The IR lens helps protect against glare, ultraviolet and infrared radiation. Shade 5.0 can be used for certain cutting applications.	3M Z87+ U6 W5 Z94.3 CSA Logo	2.7%	99.9%	97.8%

*Percentages are on average.

The lenses and frame are marked in accordance with the requirements of ANSI/ISEA Z87.1-2020 and CSA Z94.3-2020.

Markings	Explanation of Markings
3M	Manufacturer's Identification
Z87	Product complies to ANSI/ISEA Z87.1-2020 standard
Z94.3	Product complies to CSA Z94.3-2020 standard
CSA Logo	Product has been tested and certified by CSA to meet the CSA Z94.3-2020 standard
+	Impact-rated spectacle (ANSI/ISEA Z87.1-2020)
U6	Scale number for UV Protection (U6 is the highest rating in ANSI/ISEA Z87.1-2020)
L1.7, L2.5 or L3	Scale number for Visible Light Filter (ANSI/ISEA Z87.1-2020)
W1.7, W3.0, W5	Scale number for Welding Filters (ANSI/ISEA Z87.1-2020)
X	Passes optional anti-fog lens test (ANSI/ISEA Z87.1-2020)
+1.5, +2.0, +2.5	Diopter strength of molded-in magnifying reader
Taiwan	Country of manufacture

Product List

Product ID SKU	Description	Lens Color	Temple Color	Available US	Available Canada
S2001SGAF-BGR 7100203178	3M™ Solus™ Protective Eyewear 2000 Series, S2001SGAF-BGR, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, Clear AF-AS lens, 20ea/cs	Clear	Gray/Blue- Green	X	X
S2001SGAF-BGR-F 7100203183	3M™ Solus™ Protective Eyewear 2000 Series, S2001SGAF-BGR-F, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, Clear AF-AS lens,Foam Gskt 20ea/cs	Clear	Gray/Blue- Green	X	X
S2002SGAF-BGR 7100203287	3M™ Solus™ Protective Eyewear 2000 Series, S2002SGAF-BGR, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, Gray AF-AS lens, 20ea/cs	Gray	Gray/Blue- Green	X	X
S2002SGAF-BGR-F 7100259420	3M™ Solus™ Protective Eyewear 2000 Series S2002SGAF-BGR-F, Gray/Blue-Green, Scotchgard™ Anti-Fog Coating, Gray AF-AS lens, Fm Gskt, 20 ea/ Case	Gray	Gray/Blue- Green	X	X
S2003SGAF-BGR 7100203164	3M™ Solus™ Protective Eyewear 2000 Series, S2003SGAF-BGR, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, Amber AF-AS lens, 20ea/cs	Amber	Gray/Blue- Green	X	X
S2003SGAF-BGR-F 7100259422	3M™ Solus™ Protective Eyewear 2000 Series S2003SGAF-BGR-F, Gray/Blue-Green, Scotchgard™ Anti-Fog Coating, Amber AF-AS lens, Fm Gskt, 20 ea/ Case	Amber	Gray/Blue- Green	X	X
S2005SGAF-BGR 7100203166	3M™ Solus™ Protective Eyewear 2000 Series, S2005SGAF-BGR, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, Brown AF-AS lens, 20ea/cs	Brown	Gray/Blue- Green	X	X
S2005SGAF-BGR-F 7100259421	3M™ Solus™ Protective Eyewear 2000 Series S2005SGAF-BGR-F, Gray/Blue-Green, Scotchgard™ Anti-Fog Coating, Brown AF-AS lens, Fm Gskt, 20 ea/ Case	Brown	Gray/Blue- Green	X	X
S2007SGAF-BGR 7100203171	3M™ Solus™ Protective Eyewear 2000 Series, S2007SGAF-BGR, Gray/Blue-Green Temples, Scotchgard™ Anti-Fog Coating, I/O Gray AF-AS lens, 20ea/cs	Indoor/ Outdoor Gray	Gray/Blue- Green	X	X
S2007SGAF-BGR-F 7100259423	3M™ Solus™ Protective Eyewear 2000 Series S2007SGAF-BGR-F, Gray/Blue-Green, Scotchgard™ Anti-Fog Coating, IO Gray AF-AS lens, Fm Gskt, 20 ea/Case	Indoor/ Outdoor Gray	Gray/Blue- Green	X	X
S2008AS-CLR 7100221706	3M™ Solus™ Protective Eyewear 2000 Series, S2008AS-CLR, Clear/Blue Temples, Blue Mirror Anti- Scratch Lens, 20 ea/Case	Blue Mirror	Clear/Blue	X	
S2024AS-RED 7100203162	3M™ Solus™ Protective Eyewear 2000 Series, S2024AS-RED, Gray/Red Temples, Red Mirror Anti- Scratch lens, 20ea/cs	Red Mirror	Gray/Red	X	
S2015AF-BLU 7100221704	3M™ Solus™ Protective Eyewear 2000 Series, S2015AF-BLU, Blue/Gray Temples, Clear Reader +1.5 Anti-Fog/Anti-Scratch Lens, 20 ea/Case	Clear+1.5 Readers	Blue/Gray	X	X

Product ID SKU	Description	Lens Color	Temple Color	Available US	Available Canada
S2020AF-BLU 7100222269	3M™ Solus™ Protective Eyewear 2000 Series, S2020AF-BLU, Blue/Gray Temples, Clear Reader +2.0 Anti-Fog/Anti-Scratch lens, 20 ea/Case	Clear+2.0 Readers	Blue/Gray	X	X
S2025AF-BLU 7100222135	3M™ Solus™ Protective Eyewear 2000 Series, S2025AF-BLU, Blue/Gray Temples, Clear Reader +2.5 Anti-Fog/Anti-Scratch lens, 20 ea/Case	Clear+2.5 Readers	Blue/Gray	X	X
S2017AS-BLK 7100203187	3M™ Solus™ Protective Eyewear 2000 Series, S2017AS-BLK, Black/Green Temples, IR 1.7 Gray Anti-Scratch lens, 20ea/cs	IR 1.7	Black/ Green	X	X
S2030AS-BLK 7100203188	3M™ Solus™ Protective Eyewear 2000 Series, S2030AS-BLK, Black/Green Temples, IR 3.0 Gray Anti-Scratch lens, 20ea/cs	IR 3.0	Black/ Green	X	X
S2050AS-BLK 7100203186	3M™ Solus™ Protective Eyewear 2000 Series, S2050AS-BLK, Black/Green Temples, IR 5.0 Gray Anti-Scratch lens, 20ea/cs	IR 5.0	Black/ Green	X	X

Accessories and Replacement Part List

Product ID SKU	Description	Available US	Available Canada
S2000-FOAM 7100223280	3M™ Solus™ 2000 Series S2000-FOAM Replacement Foam Gasket, 10PK, 12 pack/Case	X	

Instructions for Use

Follow all safety information contained in the applicable instructions. Misuse may result in serious injury or death. Retain user instructions on packaging for future reference.

This eyewear is intended to provide limited eye protection against flying particles or small objects. Indirectly (covered) vented or non-vented goggles may be appropriate for chemical splash and dust hazards. This product should not be used as a substitute for machine guards or other engineering controls. This product is for occupational use only. The lenses are impact resistant but not unbreakable. It is the responsibility of the employer to determine if the eyewear is suitable for the application based on the worksite hazard assessment and applicable standards. For correct use, consult supervisor and User Instructions, or contact 3M Technical Service in the USA at 1-800-243-4630 or in Canada at 1-800-267-4414.



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3M PSD products are
occupational use only.

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Customer Service 1-800-328-1667
3M.com/workersafety

In Canada
Technical Service 1-800-267-4414
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3M.ca/Safety

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