

3M™ GoggleGear™ Protective Goggle 3000 Series



GG3101-SGAF



GG3101-AF



GG3201-AAF



GG3301-SGAF

Description

3M™ GoggleGear™ Protective Goggle 3000 Series features a full-size design with wrap-around lens for improved field of vision, and slotted nose bridge for a more comfortable fit. Features optimized shroud design to accommodate many prescription eyewear.

Key Features

- Polycarbonate and acetate lenses absorb 99.9% of UVA, UVB, and UVC rays between 200 nm and 380 nm
- Large profile protective goggle with wraparound lens fitting over many prescription eyewear
- Soft, flexible shroud with slotted nose bridge design conforms to the face for added comfort
- Indirect venting to help reduce fogging
- Cloth or neoprene strap
- GG3201-AAF is not formulated with natural rubber latex
- Dielectric, no metal parts
- ANSI/ISEA Z87.1-2020 D3 (droplet splash) and D4 (dust) rated
- Models with neoprene straps can be disinfected, when necessary¹
- 3M™ Scotchgard™ Anti-Fog Protector Coating (SGAF) models resist fog 11x longer and has 7x better anti-scratch performance than traditional 3M™ Anti-Fog Coating and meet optional anti-fog performance ('X' mark) per ANSI/ISEA Z87.1-2020
- Model with acetate lens meets the chemical resistance requirement of ISO 16321, helping protect workers from chemical hazards

Typical Applications

These products may be suitable for use in a wide variety of applications including, but not limited to industrial manufacturing, metal working, mining/oil and gas, construction, food industry, pharmaceutical, and general laboratory.

Regulatory Approvals

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

¹ ANSI/ISEA Z87.1-2020 testing not conducted after internal disinfection testing. See Eye Protection for Infection Control_Technical Bulletin.pdf (3m.com) for complete details

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: 95 g – 105 g (3.3 oz – 3.7 oz)
- Goggle width: 175 mm
- Goggle height: 80 mm
- Lens material: polycarbonate or acetate
- Shroud material: PVC (polyvinyl chloride) or TPV (thermoplastic vulcanizates)
- Strap end pieces material: Nylon
- Strap buckle material: Polyoxymethylene
- Strap material (cloth): Polyester
- Strap material (neoprene): Neoprene

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 Polycarbonate SGAF	For general indoor applications where impact protection is required. Also helps protect against ultraviolet light. Luminous Transmittance is >85%.	3M Z87+ U6 X D3 D4 Z94.3 CSA Logo	89.7%	99.9%	20.1%
Clear Polycarbonate Anti-fog	For general indoor applications where impact protection is required. Also helps protect against ultraviolet light. Luminous Transmittance is >85%.	3M Z87+ U6 D3 D4 Z94.3 CSA Logo	90.0%	99.9%	19.8%
Clear Acetate Anti-fog	For general indoor applications where impact protection is required. Also helps protect against ultraviolet light. Luminous Transmittance is >85%.	3M Z87 U6 X D3 D4 Z94.3 CSA Logo	88.3%	99.9%	13.5%

The lenses and frames 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 goggle (ANSI/ISEA Z87.1-2020)
U6	Scale number for UV Protection (U6 is the highest rating in ANSI/ISEA Z87.1-2020)
X	Passes optional anti-fog lens test (ANSI/ISEA Z87.1-2020)
D3	Splash/droplet protection (ANSI/ISEA Z87.1-2020)
D4	Dust protection (ANSI/ISEA Z87.1-2020)
Taiwan	Country of manufacture

Product List

Product ID SKU	Description	Lens Color Type	Shroud Color Type	Strap Type/Color and End Pieces	Availability	
					US	Canada
GG3101-AF7100325034	3M™ GoggleGear™ Protective Goggle 3000 Series GG3101-AF, PVC Shroud, Clear AF/AS Lens, Premium Cloth Strap, 10 EA/Case	Clear Polycarbonate	Translucent PVC	Cloth/Black Red End Pieces	X	X
GG3101-SGAF7100325035	3M™ GoggleGear™ Protective Goggle 3000 Series GG3101-SGAF, PVC Shrd, Clear Scotchgard™ AF/AS Lens, Premium Clth Strp, 10 EA/Case	Clear Polycarbonate	Translucent PVC	Cloth/Black Black End Pieces	X	X
GG3201-AAF7100325036	3M™ GoggleGear™ Protective Goggle 3000 Series GG3201-AAF, PVC Shroud, Clear Acetate AF Lens, Neoprene Strap, 10 EA/Case	Clear Acetate	Translucent PVC	Neoprene/Black Grey End Pieces	X	X
GG3301-SGAF7100325038	3M™ GoggleGear™ Protective Goggle 3000 Series GG3301-SGAF, TPV Shrd, Clear Scotchgard™ AF/AS Lens, Premium Clth Strp, 10 EA/Case	Clear Polycarbonate	Black TPV	Cloth/Black Black End Pieces	X	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.



Personal Safety Division
3M Center, Building 235-2W-70
St. Paul, MN 55144-1000

3M PSD products are occupational use only.

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Technical Service 1-800-243-4630
Customer Service 1-800-328-1667
3M.com/workersafety

In Canada
Technical Service 1-800-267-4414
Customer Service 1-800-364-3577
3M.ca/Safety

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