

3M™ Buster Safety Spectacle

Technical Data Sheet

Description

The 3M™ Buster safety spectacle offers medium impact protection in a lightweight, comfortable fashionable style with floating lens.

- Durable and lightweight polycarbonate frame
- Available in Shade 3 or Shade 5 lenses
- Polycarbonate lenses suitable for indoor and outdoor use
- Anti-fog (AF) lens (clear/amber only) provides improved lens performance in humid conditions
- Anti-scratch lens coating improves longevity of all lenses in dusty environments
- Medium Impact

Applications

The Buster safety spectacle is suitable for applications such as cutting, non-hazardous liquids, lathe work, sawing, chipping, riveting, glare and solar radiation.

The Buster with Shade 3 lens is suitable for trade assistant applications during the following tasks: gas welding, oxy cutting, flame gauging and brazing.

The Buster Shade 5 lens is designed for high glare applications only. These include furnace work and molten metal operations.

Must not be used when actually performing the above tasks - assistance only applications. AS/NZS 1337.1:2010 and AS/NZS 1338.1:2012. Refer AS/NZS 1336:2014 for recommended use.

Specifications

	Buster
Frame	Polycarbonate
Side Arms	Polycarbonate with co-moulded temple arms
Weight	40g approx
Lens Material	Polycarbonate
Lens Types	Clear Smoke Amber Blue Mirror Shade 3 Shade 5
Ratings	Medium Impact



Standards

The Buster safety spectacles have been tested and certified to AS/NZS 1337.1:2010.

The Buster safety spectacles have a medium impact (I or F) rating.

Maintenance/cleaning

If the lens becomes scratched or pitted it should be replaced.

Avoid exposure or contact of the lens with vapour or liquids which may cause surface crazing and reduce the impact resistance. Inspect and clean the spectacles regularly and replace if broken or damaged.

Thoroughly clean all surfaces with lens cleaner or mild soap solution.

Do not clean spectacle with solvents. Air dry or pat dry with clean, soft cloth or tissue.

The use of solvents, harsh detergents or abrasives is not recommended. Avoid exposure to MEK, Sulphuric Acid, Methylene Chloride, Toluene, Paint Thinner & Acetone.

Disposal

If the product is to be disposed of, it should be disassembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.

Lens Markings

Markings on eye protectors are a requirement for certification. It assists users in identifying their intended use. They are identified by the following:

Standard	Lens Marking	Explanations
AS/NZS 1337.1:2010	I = Medium Impact O = Outdoor/Indoor (untinted or amber)	OUTDOOR UNTINTED (FOR INDOOR AND OUTDOOR USE) These protectors are intended for indoor and outdoor use where no optical radiation hazards exist other than solar radiation.
	I = Medium Impact (outdoor tinted, smoke, brown or photo chromatic)	OUTDOOR TINTED These protectors are intended for outdoor use where no optical radiation hazards exist other than solar radiation. They are intended to provide adequate protection against sun glare and ultraviolet radiation from the sun.
	Filter Lenses (green shade 3)	These filter lenses are intended for welder assistant use and provide limited protection against ultraviolet. Infrared and visible radiation. Not suitable for electrical welding.
	Filter Lenses (green shade 5)	Shade 5 lenses give some protection against high glare light sources eg oxy cutting

Impact protection is determined by the test velocity of a steel ball projectile. A ballistic test rig fires either a 6.00mm or a 6.35mm projectile ball at speeds from 12m, up to 190m per second.

Standard	Rating	Impact Protection Situations	Type of Protection
AS/NZS 1336:2004	Low Impact	Hammering, handling wire, brick chipping by hand	Spectacles
AS/NZS 1336:2004	Medium Impact	Grinding, machining metals, woodworking	Spectacles, Eshields or lightweight visor systems
AS/NZS 1336:2004	High Impact	Concrete cutting, high speed disc grinding, metal cutting	Visor systems only
AS/NZS 1336:2004	Extra High Impact	Abrasive shot blasting, ballistic, military, electrical maintenance	Visor systems only

Selecting eye protection is very much about identifying the hazards and assessing the risks. Selecting the wrong type of PPE can have serious consequences. It is important to consider the velocity, size and the nature of the hazard when evaluating eye/face protection.

Australian/New Zealand Standards AS/NZS 1336:2014 is an excellent reference document and provides assistance.

Medium impact safety spectacles provide protection from medium energy flying particles. For more information on tinted lenses and compliance testing to AS/NZS 1067 (sunglass standard) contact 3M.

Ordering Information

3M Code	Model #	Description
AT010658402	SNN101C	3M™ Buster Clear aAF Lens Safety Spectacle
AT010658410	SNN101S	3M™ Buster Smoke Lens Safety Spectacle
AT010658386	SNN101A	3M™ Buster Amber AF Lens Safety Spectacle
AT010658394	SNN101BM	3M™ Buster Blue Mirror Lens Safety Spectacle
AT010658360	SNN101:3	3M™ Buster Shade 3 Lens Safety Spectacle
AT010658378	SNN101:5	3M™ Buster Shade 5 Lens Safety Spectacle

Important Notice

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