

**3M** Science.  
Applied to Life.™



# Head Protection

Making sure you are covered under any circumstances.

The 3M™ head protection portfolio offers an unrivalled range of products for companies looking for comfortable and high-quality solutions to meet a variety of industrial applications.

# About the range.

The 3M head protection portfolio offers an unrivalled range of products for companies looking for comfortable and high-quality solutions to meet a variety of industrial applications.



### **Certified combination.**

Where accessories are being used, they should be fully compatible to the safety helmet worn. There are a wide range of accessories which can be fitted to a safety helmet to make it more suitable for variable working conditions.

Examples of accessories are chinstraps, face shields, earmuffs and miners lamp brackets. Care should be taken to ensure that any accessories attached to the safety helmet are compatible.

The range of 3M safety helmets are compatible with the same brand hearing, eye and face protection.

# Head Protection

## Which type of safety helmet?

The scope of AS/NZS 1801:1997 standard specifies requirements for occupational protective helmets to protect wearers heads from falling objects in building and construction, quarrying, shipbuilding, forestry, and other occupations with similar hazards. These requirements include the construction and materials of the helmet shell and head harness, mechanical strength of the shell and finish of the helmet. All 3M™ safety helmet shells are made from premium impact resistant ABS plastic or polycarbonate.

In compliance with the standards, objectives to specify protective helmets that are to be worn in a variety of occupations, 3M™ safety helmets are classified into three types:

- Type 1 General industrial safety helmets
- Type 2 Helmets intended for high temperature applications
- Type 3 Helmets intended for bushfire fighting

The Australian and New Zealand Standard AS/NZS 1801 classifies Occupational Safety Helmets into three types that must meet the following requirements:

Classification	Shock Absorption	Penetration by Striker	Side Stiffness	Electrical Resistance	Resistance to Ignition	Very Hot Temp. 120°C	Extremely High Temp. 200°C	Thermal Performance of Shell	Retaining Chin Strap Strength
TYPE 1 General industrial	✓	✓	✓	✓	✓	-	-	-	-
TYPE 2 Hot work places	✓	✓	✓	✓	✓	✓	✓	✓	-
TYPE 3 Bushfire fighting	✓	✓	✓	✓	✓	✓	✓	✓	✓

## What is the working life of a safety helmet?

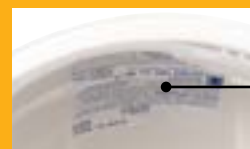
This is one of the most commonly asked questions asked. All information pertaining to selection, care and use is available in AS/NZS 1800:1998.

Markings on safety helmets are a requirement for certification. It assists users in identifying their intended use. The shell is moulded with very important information stamped on the peak and you should familiarise yourself with the significance of this labelling.

Replace your hard hat at regular intervals - Field tests have shown that generally, helmet shells have a life of at least 3 years from the time of issue. Components of harnesses may deteriorate more rapidly in service and harnesses should, therefore, be replaced at intervals not longer than 2 years.

If the sticker has been removed or unused, replace the helmet three years from the manufacture date stamp, which can be found under the brim or peak of the helmet. In the centre of the stamp is the year with a directional arrow pointing to the month of the year in which the helmet was made.

- All helmets have a date of issue sticker.
- The user should record their name and date of issue in the space provided.
- Safety helmets should be inspected regularly to ensure harness is correctly fitted and secure.
- Safety helmet shell should be visually examined for cracks, gouging, fading, damage caused by impact and any degradation.
- If deemed unfit for use remove from service and replace.
- Accessories and attachments must be compatible.
- All 3M brand combinations are certified.



Helmet label allows date of issue and user name to be recorded.



Year and month of manufacture stamp



Helmet material stamp

# Head Protection

## Caring for safety helmets.

All Industrial Safety helmets have been designed to protect the wearer from impact and electrical hazard (up to 650V), therefore, for the helmets to provide ongoing protection the correct care of the helmet is essential.

### The design should not be modified or altered by:

- Drilling holes in the shell
- Painting the shell
- Reducing the clearance between the shell and the harness by alteration or installing objects inside the helmet
- Not using the correct harness supplied by the manufacturer
- Fitting of non-certified accessories to the helmet.

### Avoid:

- Using the helmet for other than it was designed for - seats, wheel chocks etc.
- Excessive use of chemicals such as repellents, strong cleaning agents etc.
- Wearer alteration e.g. engraving of names, painting, fitting penholders/cigarette lighters etc.
- The build up of dirt, grease etc - ensure cleaning at least weekly.
- Poor storage and unnecessary exposure to the weather and solar radiation e.g. leaving outside when not in use or storage in the back of an open vehicle.
- Holding the cap by its brim and flexing it. This will weaken the brim and cause fatigue in the safety cap.

All these have the potential to damage or weaken the helmet and cause unseen deterioration of the shell and its harness.

## Storage.

Poor storage can impact on the working life of the 3M™ safety helmet. Exposure to heat, sunlight and airborne contamination can cause premature aging. It is important to ensure safety helmets are stored in an area, locker or bag free of possible damage.

## Cleaning.

- ✓ Wash with warm soapy water
- ✓ No harsh solvents or cleaning agents
- ✓ Use dishwashing brush for stubborn marks
- ✗ Avoid petrol, paint, adhesives and aerosol sprays
- ✗ Wash harness separately. No alterations
- ✗ Visual inspection weekly. No rough treatment
- ✗ Do not place objects between shell and harness

## Mandatory head protection.

Many worksites around Australia and New Zealand have a requirement for mandatory head protection to be worn. Industries such as mining, construction, forestry and heavy engineering can expose employees to dangerous hazards and the risk of being severely injured by falling objects, knocking your head or walking into a stationary object. The wearing of a safety helmet in these working environments is essential to worker safety.



# Head Protection

## Additional considerations.

- The selection process should consider the work place operational, occupational health and safety requirements to ensure the correct helmet type and appropriate accessories are selected.
- Ensure the wearer understands the purpose/reason for the need to wear a safety helmet.
- The wearer is instructed on the fitting and care of the helmet and or accessories.
- Periodic inspection and maintenance is carried out to ensure the helmets are in good working condition and defective helmets and components or helmets that have exceeded a reasonable working life are replaced.

## Damage.

Safety helmets can endure invisible damage due to excessive exposure to sunlight, heat, solvent based paints, markers or cleaning products, the use of adhesives needs to be avoided and advice sought prior to using self adhesive labels and tapes. 3M offers reflective tape and custom printing of helmets at the time of manufacturing.

## Bump caps are not an alternative to mandatory safety helmets.

- Bump caps are effective against knocks, bumps and scalp lacerations.
- Bump Caps are ideally suited for some trades activities, domestic security, police, aviation, ground staff, transport services and auto-repair etc.

## Comfort and correct fit.

The 3M™ safety helmet range places wearer comfort at the same level of importance as features and performance.

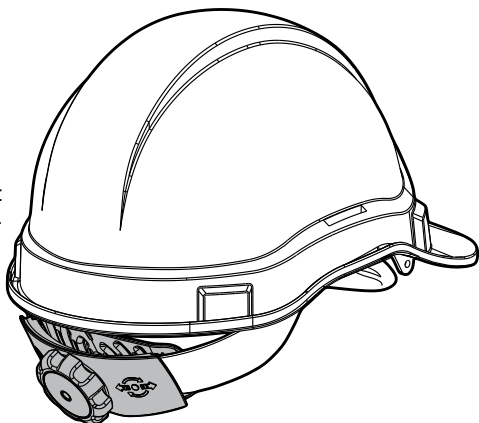
Learning how to adjust straps and other parts on your safety helmet for a comfortable and effective fit is essential for adequate head protection and product performance.

Multiple adjustments can be made on 3M™ safety helmets to personalise fit.

In fact, there are over twenty-four variations, including adjustments to allow for forehead size either moving the headband forward, back, up and down (four-way adjustment) on the four lug suspension points.

## Ratchet.

Ratchet headband provides easier and quicker adjustment. The ratchet adjustment allows custom, on-head sizing.



## Features.

- Fully compatible with the 3M current range of headgear and harnesses.
- No screw is needed during the assembly process, the knob tightness will be consistent.
- Easily assembled by end-user without any tool
- Increase user comfort level in the work with additional pad.
- Customize printing can be applied on the ratchet knob.
- Ratchet Adjustment indicator.

## Correct fit.

To provide adequate protection to the wearer the helmet should be a comfortable, secure fit.

- The headband size should be adjusted to a firm, but not tight fit on the wearers head.
- For wearers with small head sizes the head harness may need adjustment to provide a better balanced fit.
- The peak (cap style) for general wear should be worn at the front and the cap aligned horizontally.
- The accessories selected should attach securely to the helmet and not adversely affect the balance, comfort or the performance of the helmet. A helmet worn in conjunction with a visor holder and visor may require a ratchet headband to be fitted to the helmet to maximise fit security and balance.

## Other workplace hazards may need to be considered during the safety helmet selection process.

- High Noise (Hearing Protection) - the suitability of the industrial safety helmet to be used in conjunction with earmuffs.
- High wind areas or when used with machinery (eg bulldozer) - the use of a ratchet adjustment headband and/or a chin strap will enhance stability.
- Eye & face hazards from flying objects, heat, splashing molten metals & chemical splash etc. - use of suitable protective face and eye shields in conjunction with the helmet (Type 1, 2 or 3) and/or the use of suitable ear and neck protectors.
- Low light (tunnels, mining etc) - the use of suitable lamp attachments, cable clips, reflective tape and other visibility aides.
- Outdoor applications - the use of wide brim attachments, ear and neck protectors, top ventilation in the cap shell and fitment of suitable sweatbands as well as the use of light colours or high visibility colours.

## 3M™ SecureFit™ Safety Helmet X5000

From our proprietary design to our industry-leading innovations, the 3M™ SecureFit™ Safety Helmet is engineered by safety experts with workers in mind. The result is a revolutionary helmet design: the 3M SecureFit Safety Helmet. Comfort without compromise.

### Features and Benefits:

- Suspension system incorporates the patented Pressure Diffusion Technology.
- Ratchet suspension allows wearer to customise height and fit
- X5000 meets the requirements in both EN 12492 and the EN 397, but the requirements in these standards can not simultaneously be met. Therefore a switch in the attachment points of the chinstrap is set to one or the other. On delivery the helmet is configured for EN397
- X5500 meet the requirements in the industrial helmet standard EN 397 and are available in both a vented and a non-vented version
- Customise your fit with multiple levels of vertical adjustment
- Works with a variety of 3M faceshields, earmuffs, and other accessories
- X5000VE is 1000V approved according to the standard on electrical insulation of helmets EN 50365. The X5000VE helmets are delivered with a chinstrap

### Common applications

- Any commercial trade that works at or around height
- Construction
- Manufacturing
- Oil, gas, and wind utilities
- Forestry

3M Order Code	Model #	Description
UU009535467	X5001VE-CE	Vented White
UU009535517	X5007VE-CE	Vented Orange
UU009535533	X5014VE-CE	Vented Green
UU009535483	X5003VE-CE	Vented Blue
UU009535509	X5005VE-CE	Vented Red
UU009535525	X5012VE-CE	Vented Black
UU009535541	X5501NVE-CE	Non-vented white

### 3M™ Short Visors

3M Order Code	Model #	Description
UU009626134	X5-SV01-CE	Clear Visor AF/AS 10/CS
UU009626142	X5-SV02-CE	Gray Visor AF/AS 10/CS

### Accessories

3M Order Code	Model #	Description
UU009536036	X5-S4PTCS2	Standard 4 Point Chin Strap
UU009630326	X5-BWPD01	Black/Grey Replacement Sweat Band
UU009536069	X5-REFKIT	Reflective sticker kit for SecureFit™ Safety Helmet



### 3M™ SecureFit™ Safety Helmet X5000V Series

- A ventilated helmet approved to mountaineering and industrial helmet standards.
- 4-point chin strap selector system allows wearer to switch between EN 12492 (helmets for mountaineers) and EN 397 (industrial safety helmets) standards. On delivery the helmet is configured for EN 397.
- Available in 6 different colours:



X5001VE-CE X5007VE-CE X5014VE-CE X5003VE-CE X5005VE-CE X5012VE-CE

### 3M™ SecureFit™ Safety Helmet X5500

- The X5500 provides a comfortable safety helmet for use within the industry; for example, manufacturing and construction.
- Key additional features of this are the chinstraps and reflective kit, which are available as spare parts.
- Safety Helmet meeting the requirements in the standard for industrial safety helmets, EN 397.
- Optional chinstrap with plastic buckle and reflective kits are available as accessories.



X5501NVE-CE



## 3M™ TA570 Safety Helmet ABS Vented

The Australian made TA570 is a vented ABS Type 1 safety helmet ideal for general industrial, construction and mining applications. The unique crown cooling vented safety helmets ensure cooler and more comfortable protection in hot humid conditions. The safety helmet design allows multiple branding and reflective tape options.

### Features and Benefits:

- ABS Type 1 vented safety helmet
- Australian made
- Unique crown cooling vents for outdoor/indoor use
- 6 point terylene harness with adjustable headband
- Replaceable Terry Towel sweatband (TA094)
- 25mm moulded slots accept all safety helmet accessories
- Polycarbonate & metal lamp bracket options available
- Ideal for general industry, construction, mining and forestry
- Certified to AS/NZS 1801:1997



3M Order Code	Model #	Description
NT070011480	TA570:BL	Vented Blue
NT070011498	TA570:FLOR	Vented Fluro Orange
NT070011506	TA570:FLYE	Vented Fluro Yellow
NT070011514	TA570:GN	Vented Green
NT070011530	TA570:OR	Vented Orange
NT070011548	TA570:RD	Vented Red
NT070011555	TA570:WH	Vented White
NT070011563	TA570:YE	Vented Yellow
NT070011647	TA570M:WH	With Metal Bracket Vented White
NT070011654	TA570M:YE	With Metal Bracket Vented Yellow
NT070011639	TA570M:OR	With Metal Bracket Vented Orange
NT070011621	TA570M:GN	With Metal Bracket Vented Green
NT070011720	TA570RH:WH	With Ratchet Headgear Vented White
NT070011670	TA570RH:BL	With Ratchet Headgear Vented Blue
NT070011696	TA570RH:FLYE	With Ratchet Headgear Vented Fluro Yellow
NT070011712	TA570RH:RD	With Ratchet Headgear Vented Red
NT070011688	TA570RH:FLOR	With Ratchet Headgear Vented Fluro Orange
NT070011704	TA570RH:GN	With Ratchet Headgear Vented Green



# Head Protection

## 3M™ TA560 Safety Helmet Abs

- ABS Type 1 safety helmet
- Australian made
- 6 point terylene harness with adjustable headband
- Replaceable Terry Towel sweatband (TA094)
- 25mm moulded slots accept all safety helmet accessories
- Polycarbonate & metal lamp bracket options available
- Ideal for general industry, construction and mining
- Certified to AS/NZS 1801:1997



3M Order Code	Model #	Description
NT070011316	TA560:BL	Blue
NT070011324	TA560:FLOR	Fluro Orange
NT070011332	TA560:FLYE	Fluro Yellow
NT070011365	TA560:OR	Orange
NT070011373	TA560:RD	Red
NT070011399	TA560:WH	White
NT070011407	TA560:YE	Yellow
AT010705104	TA560:GN	Green
NT070011464	TA560M:WH	With Metal Bracket White
AT010705401	TA560L:WH	With Lamp Bracket White

## 3M™ TA580 Safety Helmet Polycarbonate type 2 (Heat)



3M Order Code	Model #	Description
NT070011787	TA580:WH	Unvented White
NT070011779	TA580:FLYE	Unvented Fluro Yellow
NT070011761	TA580:FLOR	Unvented Fluro Orange
NT070011829	TA580SLV	Unvented Vacuum Metalised

## 3M™ HH40 Type 1 ABS

- HH40 Non-vented, Type 1 ABS material, durable and lightweight
- Full brim for extra sun or splash protection
- Six point 25mm webbing harness with injection moulded adjustable headband
- Customised options available: logos, reflective tape
- Accessories available: sweatband, chinstrap, headgear
- Optional model: helmet with miners lamp brackets (metal or polycarbonate)
- Available on request (minimum order quantities may apply)
- Fluro yellow and orange colours available on request (minimum order quantities apply)
- Suitable for mining, construction, transport, forestry and heavy engineering industries



3M Order Code	Model #	Description
NT070009757	HH40:WH	White
NT070009740	HH40:RD	Red
AT010703414	HH40:BL	Blue

## 3M™ TA590 Safety Helmet Polycarb (Heat)



3M Order Code	Model #	Description
NT070011845	TA590:FLYE	Vented Fluro Yellow
NT070011852	TA590:WH	Vented White

## 3M™ Safety Branded Safety Helmets

- Australian made Type 1 ABS safety helmet, for general industrial use
- Ideal for evacuation and work sites where specific employee responsibilities and clear identification is required
- Certified to AS/NZS 1801:1997



3M Order Code	Model #	Description
AT010705468	TA560R27:RD	Fire Warden Red



# Head Protection

## 3M™ HC23 First Base 3 Bumpcap

- Available in assorted colours and peak lengths
- Fashionable and lightweight providing high wearer acceptance
- Unique perforated vented shell with comfort pad
- Contoured over the ears improves compatibility with other PPE
- Machine washable fabric caps
- CE approved to EN812:A1
- Protects the head from knocks, bumps and scalp lacerations
- Must not be used for mandatory safety helmet applications
- Hi-vis options available
- 52 – 65cm head size



HC23HYRPCLA



HC23NBRPCLA



HC23BLKRPCLA



HC23NBMPCLA



HC23HORPCLA



HC23BGELTRP

3M Order Code	Model #	Description
NT070009328	HC23BGELTRP	Base Bump Cap 3 Blue Grey Reduced Peak
NT070009336	HC23BLKRPCLA	Base Bump Cap 3 Black Reduced Peak Clssc
NT070009344	HC23HORPCLA	Base Bump Cap 3 Hi Vis Orange Reduced Peak
NT070009351	HC23HYRPCLA	Base Bump Cap 3 Hi Vis Yellow Reduced Peak
NT070009369	HC23NBMPCLA	Base Bump Cap 3 Navy Blue Micro Peak
NT070009377	HC23NBRPCLA	Base Bump Cap 3 Navy Blue Reduced Peak

# Head Protection

## 3M™ Wide Brim and Neckflap

- Accessory to any safety helmet
- Provides sun protection for the face and neck
- Ideal for outdoor workers specifically construction, forestry, electrical maintenance, mining, oil and gas exploration and general industry



TA173:NA

TA173:OR

3M Order Code	Model #	Description
NT070011217	TA173:OR	Orange
NT070011209	TA173:NA	Navy

## 3M™ Balaclava

- Hook and loop attachment lugs – easy fitting to helmet harness
- Integrated neckflap design for added warmth
- Balaclava rotates with helmet for improved safety and helmet stability
- Suitable for forestry, construction, plant operators, cold storage, freezer or cold weather workers



3M Order Code	Model #	Description
AT019447807	TA179BK	Balaclava Black for use under 3M Helmet

## 3M™ Sweatbands



TA094



TA095

3M Order Code	Model #	Description
AT010700691	TA094	Sweatband Terry Towelling (7)
AT010701343	TA095	Sweatband Lambswool For Helmets

## 3M™ Safety Helmet Accessories



TA598



TA597

3M Order Code	Model #	Description
NT070011225	TA175	Chinstrap For TA500 TA400 Series Helmets
AT010703653	HXCS4P	Chinstrap Adjustable 4 Point
NT070011241	TA180	Reflective Tape Kit For Helmets
NT070011308	TA497	Replacement 6 Point Harness For TA400
NT070011894	TA597	Replacement 6 Point Harness For TA500
NT070011902	TA598	Ratchet Headgear For TA500 Series





# Face Protection

Faceshields are a versatile eye/face protector and are used in many industries to protect users against flying particles, liquids, chemical and molten splashes, radiant heat and glare. The 3M™ visors are manufactured from Polycarbonate (medium and high impact), Thermoguard+ (high impact and heat, chemical, molten metal and hot solids protection) and mesh (nylon and metal - low to medium impact depending on mesh visor selected). Visors can be fitted to 3M™ browguards or visor holders for use with the 3M™ brand safety helmets. 3M™ recommends the use of safety eyewear when wearing a visor system.

# Face Protection.

At 3M™, we help employers deal with safety barriers between workers and the jobs that need to get done. That's the motivation behind our high-performance line of combination systems. These integrated systems provide multifaceted protection in one convenient package. Each component is designed for durability and ease of use – and together, they provide advanced protection from a leader in safety. Consider this system for workers who clear vegetation with power tools.

The 3M™ brand is synonymous with innovation and technical precision. We're at the leading edge of head and face protection because we have our ear to the ground. We understand the nuanced needs of different market segments, and we're constantly elevating the standards of personal safety for a wide range of industries.

We design and produce hard hats, faceshields, combination systems and accessories to meet a diverse spectrum of needs. We're committed to producing consistently reliable, user-friendly products



# Face Protection

## Browguards & Visors Complete

- Low to high impact protection. Meet the impact protection requirements in accordance with AS/NZS1337.1
- Ratchet headgear adjustment for comfort
- Fits all range of visors
- Replaceable Terry Towel Sweatband (TA094)
- Wipe down finish
- Suitable for general industry against medium to high impact, heat and chemical hazards

### VC107

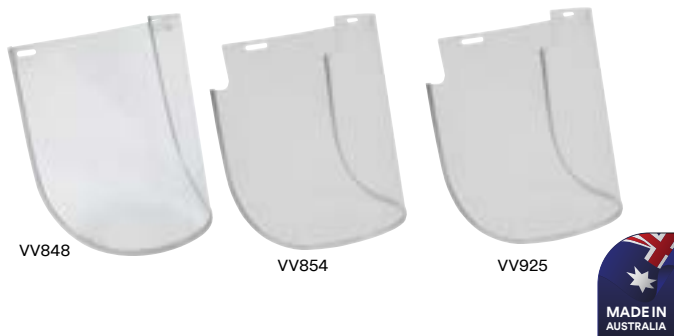
- Low to high impact protection
- Ratchet adjustable headband
- Wide flare 1mm polycarbonate visor with chinguard for extra neck and face protection
- Visor dimensions: 400(w) x 175(h) mm
- Friction pivoting system for lifting and lowering
- Protect wearer against flying particles, liquid, chemical, molten splashes, radiated heat and glare
- Suitable for work such as grinding and disc cutting, lead jointing, metal cleaning and plating, chemical processing, liquid splash and gauging



3M Order Code	Model #	Description
NT070012090	VC105	Browguard and Visor Complete Kit
NT070012108	VC107	Browguard Visor and Blue Chinguard Kit
NT070012272	VV848	Replacement Clear Polycarb Visor VC105

## 3M™ Clear 1mm Polycarbonate Visors

- 1mm thickness provides high impact protection
- Polycarbonate visors have a safe operating temperature of 105°C
- Suitable for resistance to impact and waterbased liquids



3M Order Code	Model #	Description
NT070012272	VV848	Replacement Clear Polycarb Visor VC105
NT070012280	VV854	1mm Visor VV854, 200mm x 400mm. High impact
NT070012348	VV925	1mm Polycarb 250mm x 400mm Visor Flared

## 3M™ Budget Faceshield Complete

- Medium impact protection
- Economical Faceshield
- Polycarbonate visor
- Resistant to medium impact particles and water-based liquids e.g. biological, acids, weak solvents
- Suitable for general use or for school laboratories or medical purposes



3M Order Code	Model #	Description
AT010707449	VV230	Budget Faceshield Complete With Visor

## 3M™ Browguard

High impact glossy nylon shell. Lightweight and comfortable. Ratchet adjustable headgear. Replaceable Terry Towel Sweatband (TA094). Suitable for all general industrial and high heat applications. Visors purchased separately



3M Order Code	Model #	Description
NT070012363	VV997	Browguard Only With Ratchet Headgear
NT070011183	TA094	Sweatband Terry Towelling (7)

\*TA094 is not made in Australia.

## 3M™ Visor Holders for Safety Helmets



3M Order Code	Model #	Description
NT070012116	VH500	Nylon Visor Holder for TA500 Helmet Visor
NT070012124	VH500P	Nylon Peaked Visor Holder for TA500
NT070012256	VV765	Aluminium Visor Holder for TA500 Helmets
NT070012264	VV766	Aluminium visor holder for TA400 HH40 helmets
NT070008536	2010892	Visor Post L Profile T25 Grp

\*VV765 and VV766 is not made in Australia.

## 3M™ Clear Unbound Economy Visors

- 1mm thickness provides high impact protection
- Polycarbonate visors have a safe operating temperature of 105°C
- Suitable for resistance to impact and waterbased liquids
- 3M Polycarbonate Visors fit the 3M browguard (VV997) or the VH500 (non-peaked), VH500P (peaked) or VV765 and VV766 visor holders
- It is recommended that with all faceshields secondary eye protection should be worn.



3M Order Code	Model #	Description
NT070012249	VV730	1mm Polycarb Clr 200mm x 385mm Visor

# Face Protection

## 3M™ Clear Thermotuff+ Visors

- Thermotuff+ visors have a safe operating temperature of 125°C
- Thermotuff+ visors provide high impact, radiant heat and chemical splash protection



VV875



3M Order Code	Model #	Description
AT010707712	VV876	1mm Thermotuff 200mm x 400mm Visor Flared
NT070012306	VV882	1mm Thermotuff 250mm x 400mm Visor Flared

## 3M™ Green Shade 2 Visors

- Suitable for outdoor glare
- UV and anti-scratch resistant
- Provides high impact protection



3M Order Code	Model #	Description
AT010707654	VV822	1mm Thermotuff Shd 2 200mm x 400mm Visor
AT010707662	VV824	1mm Thermotuff Shd 2 250mm x 400mm Visor

## 3M™ V5 Face shield carrier

The V5 Face shield carrier feature makes it quick and easy to combine the face shield to the face shield holder.

- Compatible only with 5F-11C & 5B mesh visor
- Requires either a P3E 30mm or a P3G 24mm earmuff slotted adapter to attach to a hard hat



3M Order Code	Model #	Description
XA007704084		V5 Linkage System For Helmet 10/Case

## 3M™ Green Shade 5 Visors

- Shade 5 visors gives protection against liquid splash, high glare and ultra violet radiation.
- Approved for use for gas and braze welding operations
- Polycarbonate visors have a safe operating temperature of 105°C (material will start to distort and warp when it reaches its maximum temp).
- Thermotuff+ visors have a safe operating temperature of 120°C (material will start to distort and warp when it reaches its maximum temp).
- UniSafe Thermotuff+ visors fit the UniSafe browguard (VV997), VH500 (non peaked), VH500P (peaked), aluminium visor holders VV765 (peaked safety helmet) and VV766 (wide brim safety helmet).
- It is recommended that with all faceshields secondary eye protection should be worn



VV927:5



VV901



3M Order Code	Model #	Description
NT070012322	VV901	1mm Thermotuff Shd 5 200mm x 300mm Visor
NT070012330	VV904	1mm Thermotuff Shd 5 250mm x 400mm Visor Flared
NT070008346	VV927:5	1mm Polycarb Shd 5 200mm x 400mm Visor Flared

## 3M™ Chinguard Visors

- High impact resistant
- Provide additional chin and upper chest protection
- Available in different materials to suit various applications



VV501 / VV511



VV515



VV502



3M Order Code	Model #	Description
NT070012140	VV501	1mm Polycarb Clear 230mm x 400mm Chinguard
NT070012157	VV502	1mm Polycarb Gold 230mm x 400mm Chinguard
NT070012173	VV511	1mm Thermotuff Clear 230mm x 400mm Chinguard
NT070012199	VV515	1mm Thermotuff Shade 5 230mm x 400mm Chinguard
NT070012207	VV520	1.5mm Polycarb Clear 175mm x 400mm Chinguard

# Face Protection

## Headgear Combo Forestry

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection.



3M Order Code	Model #	Description
XA007703862	G500V5CH510-OR	Headgear Combo Forestry 3M strd

## Headgear Combo Industrial

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection.

With special design features making it easy to combine the headgear with other 3M safety products such as face shields, passive earmuffs or communication headsets and eyewear.



3M Order Code	Model #	Description
UU001471117	G500V511H510-GU	Headgear Combo Industrial 3M strd

## Chainsaw Kit

The Chainsaw Kit helmet, earmuff and visor combination consists of an Australian made TA570 Type 1 vented safety helmet, X4 Peltor cap attached earmuffs and V4B Peltor Mesh Visor and peaked visor holder.

Suitable for applications where head, hearing and low impact face protection is required. This kit is suitable for forestry and timber processing applications.



3M Order Code	Model #	Description
AT019447112	TA570WHKIT7	TA570 Chainsaw Combination Kit

## Sweat Band HYG50

Replaceable Plastic Sweatband which is suitable for all general industrial use with Peltor™ HeadGear G500.



3M Order Code	Model #	Description
XA007703854	HYG50	Sweat Band - Plastic

# Face Protection

## 3M™ Peltor Mesh Visor V4B

The V4B Visor system is extremely lightweight and non-conductive, which is a necessary feature in some environments such as working with electric power cables. Made of black polyamide with a matt finish, system includes visor, helmet frame and linkage kit, which will attach to either a P3E 30mm or a P3G 24mm slotted adaptor. Designed to be used with or without Peltor earmuffs. Meets the impact requirements of AS/NZS 1337.2 medium impact.



3M Order Code	Model #	Description
XH001650239	V4B	Peltor Mesh Visor - Nylon

## 3M™ Peltor Clear Visor Large V4K

The V4K provides greater protection area against splashes, high speed particles and debris. Excellent high impact-resistant colourless visor, made from high quality polycarbonate. Visor includes helmet frame and cap attachment. Lets through 95% of light. UV filter Approved for protection against short circuit electric arc, Molten metals and hot solids. Meets the impact requirements of AS/NZS 1337.1 High Impact.



3M Order Code	Model #	Description
XA007702328	V4K	Clear Visor Polycarb Large CECE

## 3M™ Face Shield Clear 5F-11 PC

The polycarbonate face shield 5F-11 (compatible with the V5 shield carrier) provides increased protection against high speed particles (190m/s). It is scratch resistant and anti-fog treated on both sides for the maximum field of view. Compatible with the V5 Face shield carrier. Meets the impact requirements of AS/NZS 1337.1 High Impact.



3M Order Code	Model #	Description
UU001470994	5F-11 PC	Field Shield Clear - AS+AF

## 3M™ 5B Mesh Face Shield

High quality product that provides protect against impacts from the front and side. Firm and sturdy for improved product life. The 5B mesh face shield is lightweight, sturdy, have increased robustness for protection against high speed particles (45m/s), without compromising the field of view and user comfort. Compatible with the V5 Face shield carrier.



3M Order Code	Model #	Description
XA007703870	5B	Mesh Face Shield Plastic

## 3M™ Peltor Mesh Visor V4G

Design ensures excellent strength and stability. This visor, made of steel with a matt finish, is for extremely harsh working environments. System includes visor, helmet frame and linkage kit, which will attach to either a P3E 30mm or a P3G 24mm slotted adaptor. Designed to be used with or without Peltor earmuffs. All mesh visors meet the impact requirements of AS/NZS 1337.2:2012 (low impact) and meet the requirements for increased robustness (S marking). Standards/ Approvals AS/NZS 1337.2 Low Impact



3M Order Code	Model #	Description
UU001607181	V4G	Peltor Mesh Visor - Metal

## 3M™ Mesh Visor

Meets the impact requirements of AS/NZS 1337.2. Low Impact.



3M Order Code	Model #	Description
NT070012132	VM820	Aluminium Mesh Visor VM820, 150mm x 385mm
AT010659723	VV602M	Metal Mesh Visor 200mm X 300mm

## 3M™ Peltor Visor V2C

The V2C provides great protection against high speed particles and UV/IR radiation. Made from high quality polycarbonate, which features with scratch resistant properties. The visor peak and visor are designed to slope to minimise glare and debris. Meets the impact requirements of AS/NZS 1337.1 High Impact.



3M Order Code	Model #	Description
XH001651575	V2C	Peltor 140AR Polycarb Visor - Hard Hat





Science.  
Applied to Life.™



# Eye Protection

The portfolio of 3M™ Eye Protection products promises quality eyewear that provides an optimal balance of comfort, protection and design. 3M™'s Engineers have worked hard to ensure that the level of comfort and style matches the standard of protection offered. The 3M™ portfolio offers the highest level of optical class. A broad range of eyewear products include durable anti-scratch and convenient anti-fog coatings.

# About the range.

Eye Protection products are used in many industries to protect against flying particles, liquids, chemicals, molten metals, radiated heat and glare. The 3M™ range of safety spectacles and goggles offer the user protection from eye hazards including medium impact flying fragments.

Our 3M™ safety spectacles and goggles can be used in conjunction with other Personal Protective Equipment products to give you added protection in different situations.

The 3M™ eye protection portfolio offers an unrivalled range of products for companies looking for comfortable and high-quality solutions to meet a variety of industrial applications.



### **Style.**

Style is a critical factor when it comes to raising the acceptance of the user to wear personal protective equipment (PPE). 3M™'s range of eyewear gives you a variety of modern and stylish products from which to choose.

### **Protection.**

The 3M™ range of eyewear offers high quality optics. Most of the 3M™ glasses and goggles offer reliable UV protection and all are tested and comply with AS/NZS1337.1

### **Comfort.**

Many of our products come with adjustable features and soft materials in points of contact in order to improve fit and comfort to accommodate different face sizes and shapes.

### **Compatibility.**

Eye protection often needs to be worn in conjunction with other protective equipment and it is essential that comfort and fit with other PPE is maintained. Most of the eyewear and goggle ranges can be used in combination with respiratory and hearing protection by 3M™. Compatibility with other PPE will be subject to a number of variable factors which requires the employer and end user to determine an appropriate selection depending on individual needs.

# Human eye

The **Cornea** in direct contact with an external environment, plays an essential part in the transmission of light rays. There are more nerve endings in the cornea than anywhere else in the body.

The **Pupil** (light controller), situated in the middle of the iris, works like the diaphragm of a camera. Its diameter changes in accordance with the light levels.

The **Lens** allows focusing (near vision, far vision) thanks to a control muscle. With age this muscle loses power and impacts near vision (presbyopia). The lens can lose its transparency due to exposure to IR (infrared light) and UV (ultraviolet light), resulting in loss of vision (cataract).

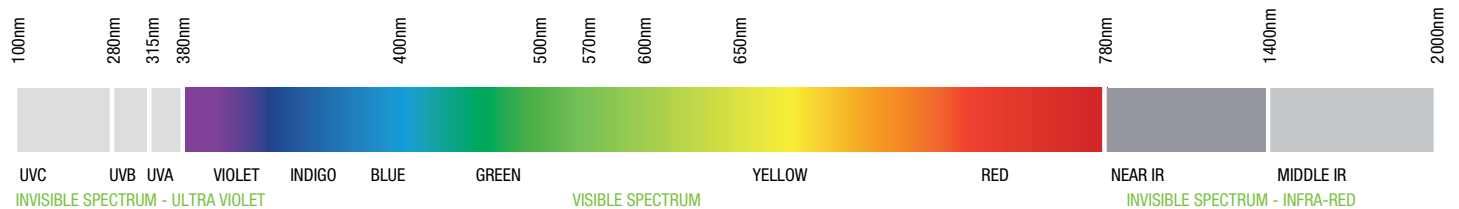
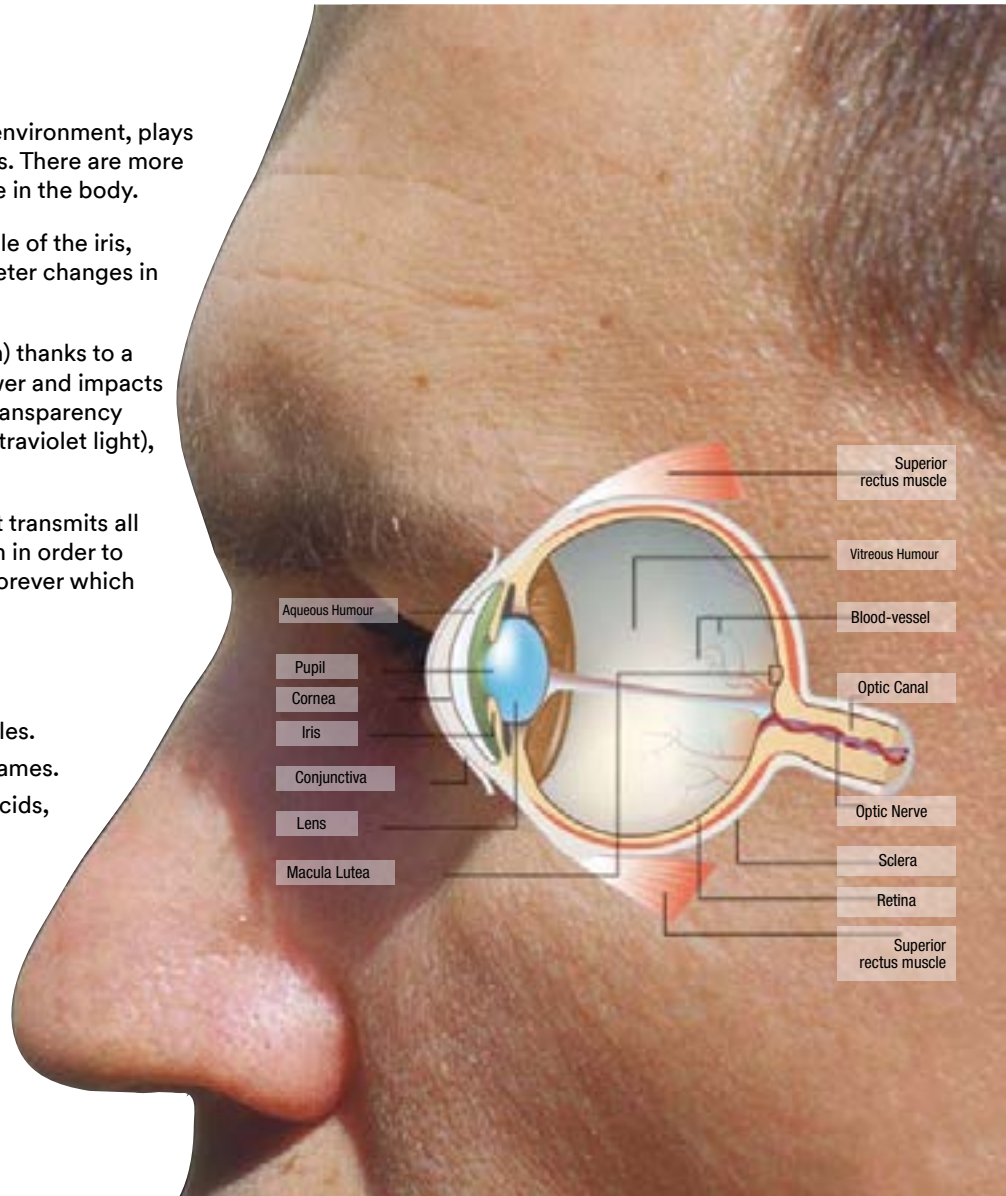
The **Retina** is where all light beams converge; it transmits all information through the optic nerve to the brain in order to create your vision. Burned retina cells are lost forever which causes irreversible loss of vision.

## Industrial hazards for the eyes:

- Mechanical hazards: dust, shock, solid particles.
- Thermal hazards: hot liquid, molten splash, flames.
- Chemical or Biological hazards: splashes of acids, solvents, alkalis, infected blood.
- Radiation hazards: ultraviolet, infrared, visible light, laser.
- Electrical hazards: direct contact, short-circuit electric arc.

## Facts on eye damage:

Every day worldwide more than 600 workers suffer from eye injury simply because they do not wear protective eyewear.



## Potential Effects from Exposure to Light and other Radiation

	UVC 100 to 280nm	UVB 280 to 315nm	UVA 315 to 380nm	BLUE LIGHT 380 to 480nm	VISIBLE LIGHT 380 to 780nm	NEAR IR 780 to 1400nm	MIDDLE IR 1400 to 2000nm
<b>Cornea</b>	Conjunctivitis Partial Blindness	Conjunctivitis Partial Blindness	Conjunctivitis Partial Blindness				
<b>Lens</b>	Conjunctivitis	Cataract Premature Ageing	Cataract Premature Ageing			Cataract	Conjunctivitis Partial Blindness
<b>Retina</b>	Conjunctivitis			Partial Blindness Photoreinitis	Vision Problems Discontinuous Vision	Retinitis Pigmentosa	

# Protection all the way.

Eyewear injuries happen when you least expect them.  
Be prepared.

We believe that health and safety are the priorities in any working environment, and that greater comfort and modern styles improve worker compliance with regulatory requirements for protective eyewear.

Therefore, we take care in adding comfort features where they are needed most, such as heavy contact areas like nose bridges and temple tips. The materials we choose to provide better comfort are designed to be durable to last and soft to the touch. We are also continually working on new coatings, new materials and new designs to bring the latest technology, innovation and fashion into our protective eyewear line.

### What contributes to eye injuries at work?

- **Not wearing eye protection.** Nearly three out of every five workers injured are not wearing eye protection at the time of the accident.
- **Wearing the wrong kind of eye protection for the job.** 40% of the injured workers were wearing some form of eye protection when the accident occurred. However, these workers were most likely to be wearing protective eyeglasses with no side shields.

### What causes eye injuries?

- **Flying particles.** Almost 70% of accidents resulted from flying or falling objects or sparks striking the eye. Injured workers estimated that nearly three-fifths of the objects were smaller than a pinhead. Contact with chemicals caused one-fifth of the injuries.

### Where do accidents occur most often?

- **Craftwork.** Potential eye hazards can be found in nearly every industry, more than 40% of injuries occurred among craft workers, like mechanics, repairers, carpenters and plumbers.
- **Industrial equipment operation.** Over a third of the injured workers were operators, such as assemblers, sanders, and grinding machine operators. Almost half of these injured workers were employed in manufacturing.

### How can eye injuries be prevented?

- **Always wear effective eye protection.** AS/NZ standards require that employers provide workers with suitable eye protection. To be effective, the eyewear must be of the appropriate type for the hazard encountered and properly fitted.
- **Better training and education.** Workers injured while not wearing protective eyewear most often said they believed it was not required by the situation. Even though the vast majority of employers furnished eye protection at no cost to employees, about 40% of the workers received no information on where and what kind of eyewear should be used.
- **Maintenance.** Eye protection devices must be properly maintained. Scratched and dirty devices reduce vision, cause glare and may contribute to accidents. Scratched or damaged eyewear should be replaced immediately.



# How to pick the right tinted safety glasses for your job.

Safety glasses come in numerous shapes and styles, but do you know how to choose the right tinted safety glasses for your job? Safety glasses are available in many different tints that serve many different purposes, depending on the job at hand and your environment. Tinted safety glasses can help reduce glare, reflect bright light, absorb harmful light, including UV and infrared (IR), and even increase contrast in your field of vision. We're discussing the reasons why selecting the right lens for your specific application is so important and sharing what you need to know about popular lens tints.

## Why does choosing the right lens matter?

### Safety

The top reason why lens tint matters comes down to safety. When you're wearing the right colour of tinted lenses, not only will this help protect your eyes from the hazards of the job at hand, your eyes can feel less fatigued from strain that can result from different working conditions. This can result in fewer instances of workers removing eyewear from their face due to discomfort, thereby keeping them safer. It's also important to look for eyewear that meets AS/NZS 1337.1:2010, which means it has passed impact testing and other safety requirements that can help protect your eyes.

### Health

The right eyewear can help reduce light sensitivities, eye strain and headaches for wearers. Polycarbonate lenses contain UVA and UVB coatings, which help protect eyes from light conditions that can damage them and increase a wearer's risk of developing eye disease, including cataracts. Different people have different needs, and choosing the right lens tints can be beneficial to a worker's health.

### Productivity

Certain lens tints provide contrast and can help workers see fine details better and more easily. This can help workers complete certain tasks more accurately and more quickly.

### Comfort

This is one of the most important considerations when choosing a lens tint – and personal protective equipment (PPE) in general! When PPE is comfortable, workers are more likely to wear it and keep it on. This is why 3M produces so many different styles of safety eyewear and encourages sampling different pairs of safety glasses to see what will work for a worker's individual face size and shape. To help objectively measure comfort and fit, we specially developed the 3M™ Eyewear Fit Testing System to help measure gaps and fit around the eyes to promote optimal protection and comfort.

## 3M™ Protective Eyewear Lens Tints.

### Clear

It likely isn't a surprise that clear safety glasses are the most popular choice of safety glasses. Luminance transmittance is the highest with clear safety glasses, at 93%. This means that a clear lens allows for the maximum amount of light to pass through the lens, which is beneficial for tasks requiring well-lit environments. Safety eyewear lenses made with polycarbonate will naturally absorb approximately 99% of UVA and UVB light, which provides additional protection to the user. All 3M polycarbonate lenses have been tested to the newest AS/NZS 1337.1:2010 to ensure compliance and safety. Safety glasses with clear lenses are best for everyday use and are appropriate for a wide variety of applications and uses.



## Protective eyewear.

### Polycarbonate lens selection guide

This Polycarbonate Lens Selection Guide will help you understand the need for different colour lenses and lens types for industrial applications. It will also help you determine what type of lens is best for your application and environment. There are many lens options other than Clear, Grey and Mirror. When choosing a lens, the basic “rule of thumb” is to consider colour opposites.

Lens Colour/Type	Lens Properties/Use	Suggested Applications/Environments
Clear	Maximum amount of light reaches the eye for good vision and acuity.	General everyday eye protection.
Grey, Bronze	Reduces brightness and glare from the sun.	Mainly for outdoor daytime use as in typical sunglass use.
Mirror & Coloured Mirror	Reduces brightness and glare from the sun.	Mainly for outdoor daytime use as in typical sunglass use.
Indoor/Outdoor	Reduces brightness and glare when working both indoors and outdoors.	For tasks requiring frequent movement indoor to/from outdoor. Loading docks, forklift drivers, construction or similar jobs.
Photochromic	Reduces brightness and glare from the sun and indoor lighting.	Lens darkens when outside and lightens when inside. Do not use for frequent indoor to/from outdoor movement.
Polarized	Reduces brightness and glare from the sun.	Exceptional for reducing reflective glare. Mainly for outdoor use.
Yellow/Amber	Increases contrast, reduces haze from blue lighting, excellent UV protection.	Good for inspection tasks and hazy, overcast or foggy days. Never use for night driving.
Filter Shades, Green & Grey	Reduces ultraviolet, visible and infrared radiation.	Predominately used for gas welding, cutting, brazing and soldering, metal making, furnace work and open flames.



Mirror & Coloured Mirror



Indoor/Outdoor



Photochromic



Yellow/Amber



Clear



Polarized



Filter Shades Grey & Green



Grey, Bronze

# 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.

Impact protection is determined by the metres per second in which a projectile travels. A ballistic test rig fires either a 6.00mm or a 6.35mm projectile ball at speeds from 12m, up to 190m per second dependent on which size projectile is used.

Standard	Rating	Ball Speed		Impact Protection Situations	Type of Protector
		6.00mm	6.35mm		
AS/NZS 1337.1:2010	Low Impact	12m/sec	12m/sec	Hammering, handling wire, brick chipping by hand	Spectacles
AS/NZS 1337.1:2010	Medium Impact	40m/sec	40m/sec	Grinding, machining metals, woodworking	Spectacles, Eyeshields or lightweight visor systems
AS/NZS 1337.1:2010	High Impact	120m/sec	110m/sec	Concrete cutting, high speed disc grinding, metal cutting	Visor systems only
AS/NZS 1337.1:2010	Extra High Impact	190m/sec	175m/sec	Abrasive shot blasting, ballistic, military, electrical maintenance	Visor systems only

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.

# Features selection guide.

	Lens Tints or Shades												Lens Coatings							Comfort				Adjustability			
	Medium Impact	Clear	Grey	Smoke	Brown	Green	Amber	Sunset	Blue	Shade 3	Shade 5	Blue Locker	I/O	Mirror	Anti-Scratch Lens	Anti-Fog Lens	Polarised	UV Protection	Scotchgard™ Coated	Anti-Static	Soft Nose	Soft Temple Tips	Pressure Diffusion Temple Technology	Dust Guard	Gasket	Replacement Strap	
<b>SAFETY EYEWEAR</b>																											
3M™ SecureFit™ 100 Series	✓	✓	✓				✓						✓		✓	✓		✓					✓				
3M™ SecureFit™ 200 Series	✓	✓	✓												✓	✓		✓					✓				
3M™ SecureFit™ 400 Series	✓	✓	✓											✓	✓	✓		✓			✓		✓		✓		
3M™ SecureFit™ 500 Series	✓	✓	✓		✓		✓						✓		✓	✓		✓	✓				✓	✓			
3M™ Solus™ 1000 Series	✓	✓	✓												✓	✓		✓	✓		✓	✓			✓	✓	
3M™ Savannah Series	✓	✓		✓	✓										✓	✓		✓				✓		✓			
3M™ Ecko Series	✓	✓		✓										✓	✓			✓									
3M™ Buster Series	✓	✓		✓			✓		✓	✓	✓				✓			✓			✓	✓					
3M™ Bark Hut Series	✓	✓		✓					✓								✓	✓						✓			
3M™ 2700 Series	✓	✓																									
3M™ 2720 Series	✓	✓																									
3M™ Virtua	✓	✓	✓				✓																				



## 3M™ SecureFit™ Protective Eyewear 100 Series

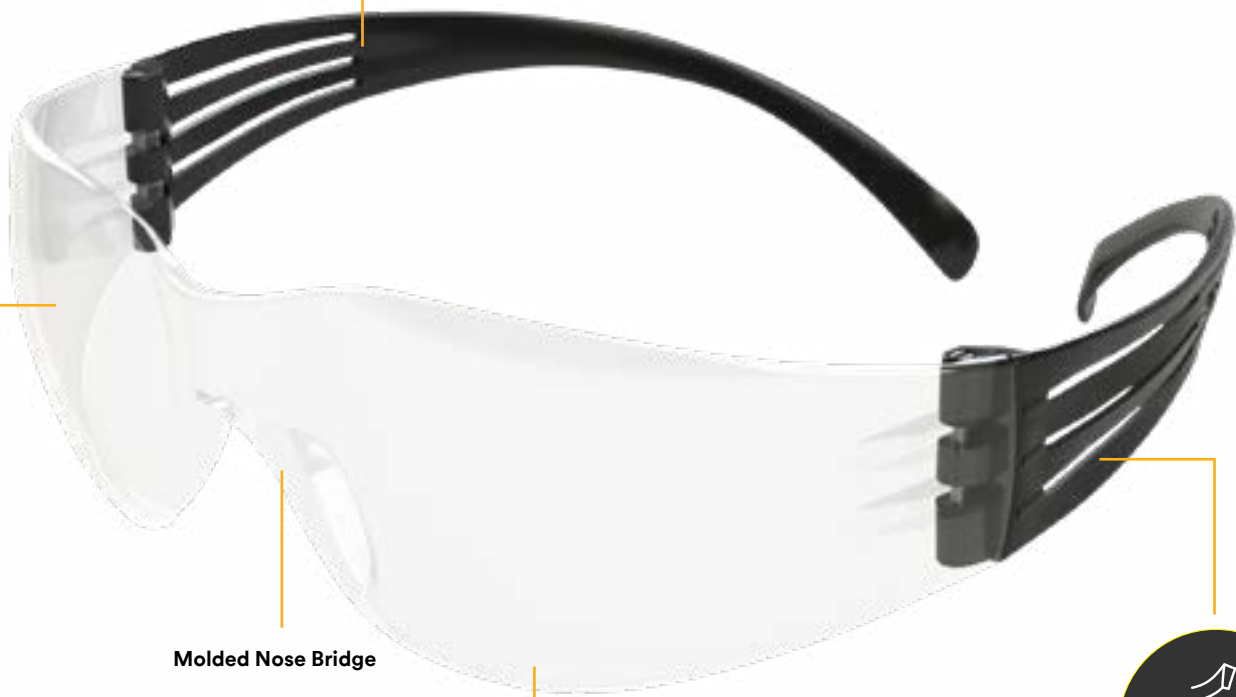
3M™ SecureFit™ 100 Series Protective Eyewear features a sleek, sporty lens shape and self-adjusting temples, providing a stylish yet comfortable fit for an extended period of time

### Features and Benefits:



#### 3M™ Pressure Diffusion Temple Technology

- Features slotted ribs that provide comfortable pressure equalisation.
- The temples flex and self-adjust to the size of the wearer's head



Molded Nose Bridge

Slim Standout Style

#### Choose Your Coating

- Anti-Scratch
- Anti-Fog/Anti-Scratch



#### Flat and Flexible Temple Design

Combines well with 3M™ Protective Earmuffs

#### Polycarbonate Lenses

- U6 rated polycarbonate lenses absorb 99.9% of UVA, UVB and UVC rays between 200 nm and 380 nm
- Workers can feel confident wearing 3M Eye Protection that meets the Impact-Rated Protector requirement of the AS/NZS 1337.1:2010 Standard



SF101AF-BLK



SF101AS-BLK



SF102AF-BLK



SF103AF-BLK



SF107AF-BLK

3M Order Code	Model #	Description
AT019494601	SF101AF-BLK	3M™ SecureFit™ Eyewear SF101AF-BLK, Clear Anti-Fog-Anti-Scratch
AT019494619	SF101AS-BLK	3M™ SecureFit™ Eyewear SF101AS-BLK, Clear Anti-Scratch
AT019494627	SF102AF-BLK	3M™ SecureFit™ Eyewear SF102AF-BLK Grey Anti-Fog-Anti-Scratch
AT019494635	SF103AF-BLK	3M™ SecureFit™ Eyewear SF103AF-BLK, Amber Anti-Fog-Anti-Scratch
AT019494643	SF107AF-BLK	3M™ SecureFit™ Eyewear SF107AF-BLK, Indoor Outdoor Grey Anti-Fog-Anti-Scratch

## 3M™ SecureFit™ Protective Eyewear 200 Series

The right fit changes everything. 3M™ SecureFit™ 200 Series Protective Eyewear features temples that automatically self-adjust to help provide a secure, comfortable fit every time.

### Features and Benefits:

#### Polycarbonate Lenses

- U6 rated polycarbonate lenses absorb 99.9% of UVA and UVB.
- Meets the requirements of AS/NZS 1337.1:2010.



Contemporary and lightweight, weighs less than 30 grams

Molded Nose Bridge

Choose your coating

- Anti-Fog/Anti-Scratch lens coating



**3M™ Pressure Diffusion Temple Technology**

- Features slotted ribs that provide comfortable pressure equalisation.
- The temples flex and self-adjust to the size of the wearer's head



SF201AF-AS



SF202AF-AS

3M Order Code	Model #	Description
70071676269	SF201AF-AS	3M™ SecureFit™ 200 Clear Anti-Fog Lens
70071695509	SF202AF-AS	3M™ SecureFit™ 200 Grey Anti-Fog Lens

# 3M™ SecureFit™ Protective Eyewear 400 Series

Advanced Technology. 3M™ SecureFit™ Protective Eyewear self-adjusts to the individual wearer, providing comfort that lasts all day.

3M™ SecureFit™ Protective Eyewear 400 Series comes with a variety of features, because having options in protective eyewear can be critical. Workers can choose from several lens coating options, including 3M™ and features like a removable foam gasket that combines with Pressure Diffusion Temple (PDT) Technology to create a secure and comfortable fit.

## Features and Benefits:

Polycarbonate lenses absorb 99.9% of UVA & UVB. Meets the requirements of AS/NZS 1337.1:2010.

Removable foam insert helps keep debris out of your eyes while providing comfort and cushioning.

Soft, adjustable, one-piece nose bridge for an individual comfortable fit.

Dual-injected, padded temple touchpoints for added comfort over the ears.

Motion-inspired, contoured piping in a bold, modern colour palette for an infusion of style and cushioning.

Self-adjusting 3M™ Pressure Diffusion Temple Technology ensures a comfortable and a secure fit and prevents slippage.



SF401AF-AS



SF402AF-AS



SF410AS-AS

3M Order Code	Model #	Description
70071676368	SF401AF-AS	Polycarbonate. Clear Lens.
70071695426	SF402AF-AS	Polycarbonate. Grey Lens.
70071695434	SF410AS-AS	Polycarbonate Indoor/Outdoor Mirror Lens.

## 3M™ SecureFit™ Protective Eyewear 500 Series

3M™ SecureFit™ 500 Series features a contemporary lens design coupled with adjustable ratchet temples and 3M™ Pressure Diffusion Temple (PDT) technology to help provide a more personalised fit. This sporty eyewear also offers self-adjusting coloured temples, a variety of lens tints and models with Scotchgard™ Protector Anti-Fog Coating.

### Features and Benefits:



#### Curved Temples for Enhanced Security

- Eyewear design applies pressure on the less sensitive back of the head instead of temples
- Helps achieve a comfortable fit, even during rapid head movement

#### Adjustable Ratchet Temples

- Multiple position ratchet allows user to adjust lens for facial features and eyeglass position.
- Adjustable ratcheting temples are designed to help improve the positioning of eyewear when worn with half-facepiece respirators

#### 3M™ Pressure Diffusion Temple Technology

- 3M's innovative temple design features slotted ribs that provide comfortable pressure equalisation
- Temples flex and self-adjust to the size and shape of wearer's head

#### Slim Standout Style

- Contemporary lens shape

#### Molded Nose Bridge

- No removeable parts

#### Polycarbonate Lenses

- U6 rated polycarbonate lenses absorb 99.9% of UVA, UVB, and UVC rays between 200 nm and 380 nm
- Workers can feel confident wearing 3M eye protection have been tested and certified to AS/NZS 1337.1:2010 and have a medium impact rating.

#### Choose your coating

- Anti-Fog / Anti-Scratch
- 3M™ Scotchgard™ Anti-Fog Protector Coating

- Resists fogging longer than traditional anti-fog coatings through up to 25 washings with water\*
- Helps provide scratch resistance in tough work environments
- Designed for working in challenging situations, such as hot and humid conditions, indoor/outdoor work, physically demanding tasks and climate-controlled areas



SF501AF-BLK

SF501SGAF-BLK

SF501SGAF-BLK-FM

SF502SGAF-BLK

SF503SGAF-BLK

SF507SGAF-BLK

SF505SGAF-DGR

SF528SGAF-DGR

3M Order Code	Model #	Description
AT019494437	SF501AF-BLK	3M™ SecureFit™ Eyewear SF501AF-BLK, Clear Anti-Fog/Anti-Scratch
AT019494445	SF501SGAF-BLK	3M™ SecureFit™ Eyewear SF501SGAF-BLK, Clear, Scotchgard™ Anti-Fog/Anti-Scratch
AT019494452	SF501SGAF-BLK-FM	3M™ SecureFit™ Eyewear SF501SGAF-BLK-FM, Clear, Scotchgard™ Anti-Fog/Anti-Scratch, Foam Gasket - coming soon
AT019494478	SF502SGAF-BLK	3M™ SecureFit™ Eyewear SF502SGAF-BLK, Grey, Scotchgard™ Anti-Fog/Anti-Scratch
AT019494494	SF503SGAF-BLK	3M™ SecureFit™ Eyewear SF503SGAF-BLK, Amber, Scotchgard™ Anti-Fog/Anti-Scratch
AT019494528	SF507SGAF-BLK	3M™ SecureFit™ Eyewear SF507SGAF-BLK, Indoor/Outdoor, Scotchgard™ Anti Fog/Anti-Scratch
AT019494502	SF505SGAF-DGR	3M™ SecureFit™ Eyewear SF505SGAF-DGR Olive Green, Brown lens, Scotchgard™ Anti-Fog/Anti-Scratch - coming soon
AT019494569	SF528SGAF-DGR	3M™ SecureFit™ Eyewear SF528SGAF-DGR Olive Green, Light Brown lens, Scotchgard™ Anti-Fog/Anti-Scratch - coming soon

## 3M™ Solus™ Protective Eyewear 1000 Series

Slim frame with a stylish and modern look. Strong PC lenses. Lightweight with soft cushioning on nose bridge and padding on temples for increased comfort and stability and when worn.

### Features and Benefits:

**Removable foam-lined gasket** helps limit eye exposure to nuisance dust while providing added comfort and cushioning.

Removable padded temples with optional elastic strap/ headband



**Contemporary styling** with soft nose bridge for added comfort

**Polycarbonate Lenses**

- U6 rated polycarbonate lenses absorb 99.9% of UVA and UVB.
- Meets the requirements of AS/NZS 1337.1:2010.

- Resists fogging longer than traditional anti-fog coatings through up to 25 washings with water\*
- Helps provide scratch resistance in tough work environments
- Designed for working in challenging situations, such as hot and humid conditions, indoor/outdoor work, physically demanding tasks and climate-controlled areas



Medium Impact

3M Order Code	Model #	Description
70071676533	S1201SGAF-AS	With Scotchgard™ Anti-fog coating. Green/Black PC. Clear Lens
70071676541	S1202SGAF-AS	With Scotchgard™ Anti-fog coating. Green/Black PC. Grey Lens
70071694551	FOAM GASKET	Replacement Foam Gasket
70071694569	SOLUS-STRAP	Replacement Strap

# Eye Protection

## 3M™ Savannah

Lightweight polycarbonate spectacle frame. Wrap-around style with flexible side arms and temple grips. Medium impact protection. 100% UV protection for use outdoors. Anti-scratch lens increases durability. Anti-fog (clear only) lens prevents fogging in humid conditions. Suitable for general industry including fabrications, manufacturing, mining and laboratory work



Medium Impact

3M Order Code	Model #	Description
NT070010904	SNN301C	Clear Af Lens Spec
NT070010912	SNN301S	Smoke Lens Spec
NT070010896	SNN301B	Brown Lens Spec

## 3M™ 2720 Series

Low profile for comfort with high levels of protection



Medium Impact

3M Order Code	Model #	Description
70071649522	2720-00000-100AS	Blue Frame/Clear Lens in Polybag

## 3M™ Fahrenheit™ Goggle Series

Modern, slim-line and lightweight design for excellent fit. Aerodynamic shape with cylindrical lens for 180 degree distortion-free vision. Indirect ventilation system to prevent fog, liquids and dust. Lens absorbs more than 99% UV.



3M Order Code	Model #	Description
70071531621	40170-00000	Polycarbonate Clear Lens
70071531639	40171-00000	Polycarbonate Clear Lens
70071531647	40172-00000	Acetate Clear Lens
70071531654	40173-00000	Black Foam Frame. Polycarbonate Clear Lens

## 3M™ 2700 Series

Designed for use over prescription glasses



Medium Impact

3M Order Code	Model #	Description
70071649514	2700-00000-100AS	Clear Frame/Clear Lens in Polybag

## 3M™ Cotton Bound Disposable Dust Goggle

- Disposable Dust Goggles SZ828
- Clear economical goggles with 100% UV protection
- Acetate lens
- Elasticated nylon strap
- Soft cotton bound face seal
- All round ventilation for greater comfort
- Not suitable for impact protection
- Ideal for dusty, windy environments



3M Order Code	Model #	Description
AT010659376	SZ828	Cotton Bound Disposable Dust Goggle

# 3M™ GoggleGear™ 500 Series

The 3M™ Goggle Gear, 500-Series is a low-profile design with an adjustable neoprene strap and indirect ventilation. These splash goggles with 3M™ Scotchgard™ Anti-Fog Coating help keep lenses clear in, steamy and wet environments. The Science Behind 3M™ Scotchgard™ Anti-Fog Technology 3M™ Scotchgard™ Anti-Fog Technology brings higher anti-fog performance to safety eyewear, helping workers see more clearly to complete on-the-job tasks. The anti-fogging properties are based on 3M internal testing per EN168 test method when compared to traditional anti-fog coatings. Here is how the anti-fogging properties work. When microscopic water droplets land on lenses without any type of coating, they bead up and form condensation and fog, obscuring your vision.

### Features and Benefits:

- 3M™ Scotchgard™ Anti-Fog Coating lasts longer\* than traditional anti-fog coatings, helping to increase eyewear performance in wet and steamy environments
- Workers may enjoy reliable, clearer sight longer, because the coating with its active ingredient is bonded to the lens. The coating retains its effectiveness for at least 25 washings with water, allowing workers to wear their eyewear longer
- The coating can be disinfected with diluted bleach soaking or alcohol wipes without losing its anti-fog performance. Washing with soap and water is considered a best practice and can enhance coating durability.
- The coating withstands disinfection with diluted bleach soaking or alcohol wipes without losing its anti-fog performance



3M Order Code	Model #	Description
70071676582	GG501NSGAF-AS	GG500 GoggleGear™ 500 Series with Scotchgard™ Anti-fog coating. Polycarbonate. Clear Lens.

# 3M™ Lens Cleaner EasyClean Anti-Fog Wipes

The 3M EasyClean lens cleaning towelettes are available with 300 individually wrapped towelettes in one easy dispensing box. 3M towelettes cleaning and purify personal safety equipment and protect your workers. The Towelettes leave an anti-static, anti-fog coating on the lenses after each clean. Towelettes remove dust and contamination from safety equipment ensuring equipment is left clean and germ free.

### Features and Benefits:

- Designed to clean lenses of all types
- Individually wrapped / easy to apply
- Removes dust and contamination
- Anti-static / Anti-fog coating
- Box of 300



3M Order Code	Model #	Description
NT070008858	EC005	Lens Cleaner EasyClean AF Wipes 300pk





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