

### Important Safety Information

# Face Protection for Welders

It is common knowledge that there are many activities that can present danger in the industrial workplace. One such danger is the high occurrence of eye injuries which can be caused by a range of practices including welding, grinding and the incorrect use of chemicals.

#### Welding Safety

Due to the high temperatures, speed and materials involved in the welding process, there are many dangers that workers need to be aware of.

Welding spatter can cause nasty injuries and without sufficient protection, the spatter could easily enter the eye of both the welder and also other workers in the near vicinity.

Some materials that are used for welding, including stainless steel, have a slag which cools at a different rate to others.

This can cause pieces of hot slag to self-release, flying off at a considerable speed and distance.

The removal of slag is also an area of concern, with many welders considering it unnecessary to wear eye protection when they are not actually welding.

Slag particles however, can easily enter the eye and as slag is often removed while it is still hot, additional injuries such as corneal burns may occur.

Welding wire is another potential danger to the eyes, especially when used in MIG, TIG and gas welding processes. Accidents may occur when snipping the end of MIG wire or TIG rod prior to use. Accidentally releasing the free end of a reel of wire when fitting it to the wire feed system can cause it to spring out.

Workers also face the threat of being poked in the eye with a wire rod when approaching a TIG or gas welder from behind.

In order to avoid potential injury, welders are strongly advised to wear suitable eye protection when engaged in any of these, or other hazardous activities.

Other workers in the vicinity of these activities should also be wearing eye protection.

The eye protection used should be of the relevant safety standards and impact resistance.

Significant caution should also be taken when wire snipping to avoid cut end flying dangerously into eyes.

It is also recommended that when workers are wearing a welding helmet that they either have both a welding lens that can flip up to reveal a clear lens or else wear a pair of safety glasses under the helmet.



#### Grinding Safety

Grinding sparks, dust and grit also present a hazard, particularly as they are often hot.

When a worker is using a grinder, it is recommended that they wear both a faceshield (with high impact resistance) and a pair of safety glasses under the shield.

For more effective worker protection, grinding should be isolated to a designated area, however if this is not possible, fixed or portable welding screens should be used to shield workers from flying debris.

#### Chemical Safety

Chemicals are another possible hazard to the eyes.

Products such as degreasing and cleaning fluids, acetone, dye penetrant, acidic or caustic etching solutions can unintentionally be splashed into unprotected eyes, causing nasty injuries.

It is vital that workers wear suitable eye and skin protection whenever using chemicals in the welding environment.

Where possible, these activities should also be isolated to areas with adequate ventilation and carried out by trained employees.

BOC accepts no liability for the incorrect choice of personal protective equipment. This information is a guide only. It is the responsibility of the purchaser to ensure they have sought professional advice in relation to the use of products in a particular environment.

CALL 131 262

...for more information or for your nearest Gas & Gear location.

# Welding Shields and Helmets

## Manual Shields and Handshields

### Welding Shields and Handshields

BOC safety products offer a wide range of quality welding helmets, made from polypropylene, that is ideal for MIG, TIG, and arc welding.

Lightweight and perfectly balanced for comfort, these helmets offer the right protection. They are strong, extremely flexible, moisture resistant and, naturally, heat resistant.

Most of the welding Shields and handshields shown here are supplied with shade 11 lens and CR39 cover lens. Helmets with the flip-up lens come complete with a clear polycarbonate chipping viewing lens.

For more information on our complete range of welding Shields and handshields, contact your local BOC specialist or ring the BOC hotline on 131 262.



**BOC Lightweight Polypropylene Handshield**

Takes standard 51 x 108mm replacement lenses.

Part No.	453851BOC
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**BOC Welding Helmet**

For use with earmuffs.

Part No.	454060BOC
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**BOC Lift Front Helmet\***

Description	Part No.
BOC lift front	453833BOC
Light duty sweatband	453835BOC
Ratchet harness	453838BOC

**\*WARNING:**

Anti-spatter plate is not impact resistant and should not be used when grinding.

**Note** All BOC welding shields and handshields comply to AS/NZS 1337 and AS/NZS 1338.1 for welding lenses.

### Auto-Darkening



#### BOC Multi Process

The BOC Multi Process combines a high degree of flexibility with a developed ease of operation. BOC Multi Process is approved to meet High Impact standards and is suitable for most welding applications.

- Switching speed from light to dark is 0.2ms at room temperature and 0.1 ms at 55°C
- Switching speed from dark to light is 0.1–0.6s depending on position
- Inside cover lens with colour filter and magnifying lens
- Can be used for all electric arc welding processes: electrode welding, MIG/MAG, GMAW high melting rate process, Flux cored wire welding, TIG, Plasma arc, Micro Plasma arc and grinding
- Restricted for laser and oxy-gas welding
- Two year warranty from date of sale (in case of manufacture or material defects)

Part No.	1000-187-01
Colour	Red
Cartridge dimensions (mm)	90x110x7
Field of view (mm)	98x38
Shade No.	Range of shade levels between DIN 5–13
UV/IR protection	Maximum protection in any shade setting
Sensors	Two above the eyes Variable detection angle with moveable sensor slide
Power supply	Solar cells - no battery changes
Operating temperature	-10 to +70°C
Weight (g)	570

#### BOC Switch Helmet

The BOC Switch allows the welder to select the desired shade level according to requirements using the slide switch on the rear of the cartridge. It can be set to either DIN 10 or DIN 11

- Darkens to Variable Shades 10 or 11
- Select the shade level using a toggle switch inside the helmet
- Rated to High Impact AS/NZS 1337
- Replaceable front cover lens
- Comfortable adjustable headgear with replaceable sweatband
- Solar cells eliminate the need for battery change
- Electrode welding, MIG steel, MIG aluminium, MIG stainless steel, MAG. Restricted for laser and oxy-gas welding.
- Approved to AS/NZS 1337 for High Impact and AS/NZS 1338

Part No.	1003-015-01
Colour	Red
Cartridge dimensions (mm)	90x110x7
Field of view (mm)	98x38
Shade No.	Range of shade levels between 4/10 or 4/11
Switching Speed	Light to dark 0.4ms at room temperature, 0.1 ms at 55°C Dark to light 0.2–0.3 s
UV/IR protection	Maximum protection in any shade setting
Sensors	Two above the eyes Variable detection angle with retractable sensor bar
Power supply	Solar cells - no battery changes
Operating temperature	-10 to +70°C
Warranty	2 years from date of sale
Front Cover Lens Heat Resistance	160–170°C Max
Weight (g)	570

## Auto-Darkening (cont)



### BOC Auto Tracker Welding Helmet

The BOC Auto Tracker features unique sensor technology which allows the welding cartridge to automatically darken to the required shade level by sensing the intensity of the arc and adjusting to suit:

- Variable Shade 9–13 Auto and Manual mode
- Rated to High Impact AS/NZS 1337
- Replaceable front cover lens
- Comfortable adjustable headgear with replaceable sweatband
- Auto mode allows shade level to automatically adjust as arc light intensity changes
- External controls eliminate the need to remove helmet to adjust settings
- Solar cells eliminate
- All electric arc welding processes, electrode welding, MIG/ MAG, GMAW high melting rate process, flux corded wire welding, TIG welding, Plasma Arc Restricted for laser welding.
- Approved to AS/NZS 1337 for High Impact and AS/NZS 1338

Part No.	1000-254-01	
Colour	Red	
Cartridge dimensions (mm)	90x110x7	
Field of view (mm)	98x38	
Shade No.	9–13	
Switching Speed	Light to dark	0.2ms at room temperature, 0.1 ms at 55°C
	Dark to light	'Fast' position 0.1–0.35 s 'Slow' position 0.3–0.6 s
UV/IR protection	Maximum protection in any shade setting	
Sensors	Two above the eyes Variable detection angle with retractable sensor bar	
Power supply	Solar cells - no battery changes	
Operating temperature	-10 to +70°C	
Warranty	2 years from date of sale	
Front Cover Lens Heat Resistance	160–170°C Max	
Weight (g)	570	



### OSC

The Optrel OSC provides the user with a number of comfortable extras. One such feature is that it's water resistant to protect against humidity and moisture. Other features include:

- Switching speed from light to dark is 0.4ms at room temperature and 0.1ms at 55°C
- Switching speed from dark to light is 0.1-0.6s depending on position
- Inside cover lens with colour filter and magnifying lens
- Can be used for all electric arc welding processes: electrode welding, MIG/MAG, GMAW high melting rate process, Flux cored wire welding, TIG, Plasma arc and Micro Plasma arc
- Restricted for laser and oxy-gas welding
- Two year warranty from date of sale (in case of manufacture or material defects)

Part No.	100-001
Colour	Black
Cartridge dimensions (mm)	90x110x7
Field of view (mm)	98x38
Shade No.	9–13
UV/IR protection	Maximum protection in any shade setting
Sensors	Two above the eyes Variable detection angle with moveable sensor slide
Power supply	Solar cells - no battery changes
Operating temperature	-10 to +70°C
Weight (g)	480

### Auto-Darkening (cont)

#### Introducing the new 3M™ Speedglas™ 9100 Welding Shield Series



#### A shield designed for ultimate protection

- High Impact rating according to the requirements of AS/NZS 1337
- Increased coverage from welding sparks and heat
- Durable and humidity resistant
- Heat reflecting silver front
- Exclusive patented exhaust vents direct your exhaled air out of the shield and reduces fogging
- Exclusive patented new SideWindows design for enhanced vision



#### A head harness that shapes to your head

- Low centre of gravity to reduce leveraged neck strain
- Two crown straps increases shield stability
- Adjustable distance between your face and the shield
- Snap adjustment to set the shield to different angles
- Adjustable to your head size
- Ratchet mechanism for precise tightening control



#### Superior optics – Larger viewing area

- Three independent photo sensors
- Five sensitivity levels for reliable switching
- Delay adjustment 40 –1300 ms
- Highest possible optical class 1/1/1
- Built in magnifying lens attachment
- Switching speed light to dark 0.1 ms
- Light state shade 3

Auto-Darkening (cont)



**Speedglas 9100XX**

- Viewing area 73x107mm
- 85% larger than 9100V
- Adjustable dark shades 5, 8, 9-13
- Tack welding comfort mode
- Lock in any shade mode

Description	Part No.
9100XX variable shade 5, 8, 9-13	<a href="#">AWS501125</a>
9100XX variable shade 5, 8, 9-13 with SideWindows	<a href="#">AWS501825</a>



**Speedglas 9100X**

- Viewing area 54x107mm
- 35% larger than 9100V
- Adjustable dark shades 5, 8, 9-13
- Tack welding comfort mode
- Lock in any shade mode

Description	Part No.
9100X variable shade 5, 8, 9-13	<a href="#">AWS501115</a>
9100X variable shade 5, 8, 9-13 with SideWindows	<a href="#">AWS501815</a>



**Speedglas 9100V**

- Viewing area 45 x 93mm
- Adjustable dark shades 5, 8, 9-13
- Tack welding comfort mode
- Lock in any shade mode

Description	Part No.
9100V variable shade 5, 8, 9-13	<a href="#">AWS501105</a>
9100V variable shade 5, 8, 9-13 with SideWindows	<a href="#">AWS501805</a>

## Auto-Darkening (cont)



### Speedglas SL (Super Light)

- Only 360 grams
- Five variable dark shades 8–12
- Four adjustable sensitivity levels
- Optimised for low to moderate amperage welding (0.1 to 250 amps)
- Auto ON and OFF
- Built tough for humid conditions
- New head harness to suit head sizes 50–64 cm
- Four adjustable back and forth settings

Description	Part No.
SL variable shade 8–12	<a href="#">AWS701120</a>



### Speedglas ProTop

#### A perfectly balanced safety helmet for welders

Speedglas ProTop, a combination of safety helmet, welding shield and auto-darkening lens, is especially designed for welders working in areas with overhead hazards, such as cranes, protruding beams and moving machinery.

The key to the Speedglas ProTop system is the exclusive pivot mechanism that connects the welding shield to the safety helmet. Many welding safety helmets create a heavy forward centre-of-gravity when the welding shield is raised; as a result, the user feels off-balance, and the leveraged weight puts additional strain on neck muscles.

The ProTop pivot mechanism has two sets of axes; one to lift the welding shield away from the welder's face, and another axis to 'nest' the welding shield down low over the safety helmet in a perfectly balanced, locked-down position. The welding shield automatically unlocks when the welder pulls it back down into position over the face.

Description	Part No.
9002V variable shade 9–13	<a href="#">AWS483170</a>
9002V variable shade 9–13 with SideWindows	<a href="#">AWS483870</a>
9002X variable shade 9–13	<a href="#">AWS483180</a>
9002X variable shade 9–13 with SideWindows	<a href="#">AWS483880</a>

**Auto-Darkening (cont)**



**Speedglas FlexView**

**Ideal for poor lighting conditions**

The Speedglas FlexView has a big 120x90 mm clear polycarbonate plate that is ideal for a precision weld under low light conditions.

The user simply lifts up the spring-mounted Speedglas lens assembly for weld prep. The spring holds the auto-darkening lens securely on top of the shield, giving the welder a big, clear view behind the FlexView protection plate.

**Upgrade Speedglas 9000 shields to FlexView**

Existing Speedglas 9000 shields can be easily transformed using the Speedglas FlexView Conversion Kit to install both the welding lens holder and the clear polycarbonate cover lens.

**High Impact**

The clear FlexView protection plate conforms to Australian standards AS/NZS 1337. The polycarbonate lens is appropriate for grinding, sanding, cleaning and drilling, as well as the protected inspection of newly-completed welds.

Description	Part No.
9002V variable shade 9–13	<a href="#">AWS441170</a>
9002V variable shade 9–13 with SideWindows	<a href="#">AWS441870</a>
9002X variable shade 9–13	<a href="#">AWS441180</a>
9002X variable shade 9–13 with SideWindows	<a href="#">AWS441880</a>
FlexView Conversion Kit	<a href="#">AWS440500</a>



**Speedglas 9002D**

- Dual dark shades 9 and 11
- Two user-selectable sensitivity levels to handle stick, MIG and TIG welding above 20 amps
- Light shade 3

Description	Part No.
9002D dual shade 9 and 11	<a href="#">AWS401140</a>
9002D dual shade 9 and 11 with SideWindows	<a href="#">AWS401840</a>



**Speedglas Utility**

- Fixed dark shade at 10 or 11
- For MIG and stick welding only
- Light shade 3

Description	Part No.
Utility shade 10	<a href="#">AWS408110</a>
Utility shade 11	<a href="#">AWS408111</a>

## Auto-Darkening with Respirator Systems

### 3M™ Adflo™ Powered Air Purifying Respirator Systems

- Powered air purifying respirator with a nominal protection factor of 50
- Now with NEW LED particle filter indicator
- Four hour fast smart charger
- Large surface area particle filter with optional odour and gas filters



### Supplied air respirator systems

- Supplied air unit with a nominal protection factor of 100+
- Perfect for highly-contaminated welding environments
- Comfortable – lightweight, belt mounted regulator
- Adjustable airflow settings from 140 to 300 litres/minute.



### Speedglas FlexView with Adflo PAPP

- Auto-darkening welding shield and powered air purifying respirator with a 120x90 mm clear lens ideal for weld prep and inspection
- Full shift respiratory protection coupled with excellent vision under virtually any lighting conditions

Description	Part No.
With welding lens Speedglas 9002X, shade 9–13	<b>AWS446680</b>
With welding lens Speedglas 9002V, shade 9–13	<b>AWS446670</b>
Excluding welding lens	<b>AWS446600</b>

### Speedglas FlexView with Fresh-air C

- Auto-darkening welding shield and supplied air respirator
- Full shift respiratory protection coupled with excellent vision under virtually any lighting conditions

Description	Part No.
With welding lens Speedglas 9002X, shade 9–13	<b>AWS448880</b>
With welding lens Speedglas 9002V, shade 9–13	<b>AWS448870</b>
Excluding welding lens	<b>AWS448800</b>



### Speedglas with Adflo

- Auto-darkening welding shield and powered air purifying respirator

Description	Part No.
With welding lens Speedglas 9002X, shade 9–13	<b>AWS466680</b>
With welding lens Speedglas 9002V, shade 9–13	<b>AWS466670</b>
Excluding welding lens	<b>AWS466600</b>



### Speedglas with Fresh-air C

- Auto-darkening welding shield and supplied air respirator

Description	Part No.
With welding lens Speedglas 9002X, shade 9–13	<b>AWS468880</b>
With welding lens Speedglas 9002V, shade 9–13	<b>AWS468870</b>
Excluding welding lens	<b>AWS468800</b>

## Speedglas™ Spares and Accessories for Auto-Darkening Welding Helmets

### Speedglas 9100

Description	Part No.
9100V Lens welding variable shade 5, 8, 9–13	<a href="#">AWS500005</a>
9100X Lens welding variable shade 5, 8, 9–13	<a href="#">AWS500015</a>
9100XX Lens welding variable shade 5, 8, 9–13	<a href="#">AWS500025</a>
9100 Shield welding excluding lens	<a href="#">AWS501100</a>
9100 Shell excluding harness	<a href="#">AWS501190</a>
9100 Shield welding SideWindows excluding lens	<a href="#">AWS501800</a>
9100 SideWindows shell excluding harness	<a href="#">AWS501890</a>
9100 Cover lens external standard (pk 10)	<a href="#">AWS526000</a>
9100 Cover lens external hard coated (pk 10)	<a href="#">AWS527000</a>
9100 Cover lens external heat resistant (pk 10)	<a href="#">AWS527070</a>
9100V Cover lens internal (pk 5)	<a href="#">AWS528005</a>
9100X Cover lens internal (pk 5)	<a href="#">AWS528015</a>
9100XX Cover lens internal (pk 5)	<a href="#">AWS528025</a>
9100 Cover front silver	<a href="#">AWS532000</a>
9100 SideWindows cover plates (pk 2)	<a href="#">AWS532015</a>
9100 Head harness	<a href="#">AWS533000</a>
9100 Head harness pivot mechanism	<a href="#">AWS536000</a>
9100 Head harness front part	<a href="#">AWS536100</a>
9100 Head harness back part	<a href="#">AWS536200</a>
9100 Battery lithium (pk 2)	<a href="#">AWS422000</a>
9100 Holder battery (pk 2)	<a href="#">AWS531000</a>
9100 Head protection	<a href="#">AWS169005</a>
9100 Throat protection	<a href="#">AWS169010</a>
9100 Sweatband (pk 3)	<a href="#">AWS168015</a>
9100 Magnifying lens 1.0X	<a href="#">AWS171020</a>
9100 Magnifying lens 1.5X	<a href="#">AWS171021</a>
9100 Magnifying lens 2.0X	<a href="#">AWS171022</a>
9100 Magnifying lens 2.5X	<a href="#">AWS171023</a>

### Speedglas SL

Description	Part No.
SL Lens welding variable shade 8–12	<a href="#">AWS700020</a>
SL Shell exc harness	<a href="#">AWS701100</a>
SL Shell exc harness and lens	<a href="#">AWS701190</a>
SL Cover lens external standard frosted (pk 5)	<a href="#">AWS726000</a>
SL Cover lens external hard coated silver (pk 5)	<a href="#">AWS727000</a>
SL Cover lens internal (pk 5)	<a href="#">AWS428000</a>
SL Head harness	<a href="#">AWS705010</a>
SL Head harness attachments	<a href="#">AWS706000</a>
SL Battery lithium (pk 2)	<a href="#">AWS422000</a>
SL Holder battery (pk 2)	<a href="#">AWS731000</a>

### Speedglas 9000/9002

Description	Part No.
9002V Lens welding variable shades 9–13	<a href="#">AWS400070</a>
9002X Lens welding variable shades 9–13	<a href="#">AWS400080</a>
9000 Shield welding exc lens	<a href="#">AWS401100</a>
9000 Shield welding SideWindows exc lens	<a href="#">AWS401800</a>
9000 Cover lens external standard 140°C (pk 10)	<a href="#">AWS426000</a>
9000 Cover lens external hard coated 145°C (pk 10)	<a href="#">AWS427000</a>
9000 Cover lens external heat resistant 205°C (pk 10)	<a href="#">AWS427071</a>
9000U/D/V Cover lens internal (pk 5)	<a href="#">AWS428000</a>
9000XF/X Cover lens internal (pk 5)	<a href="#">AWS428010</a>
9000U/D/V Cover lens internal shade 1 (pk 5)	<a href="#">AWS428020</a>
9000XF/X Cover lens internal shade 1 (pk 5)	<a href="#">AWS428030</a>
9000U/D/V Cover lens internal shade 2 (pk 5)	<a href="#">AWS428040</a>
9000XF/X Cover lens internal shade 2 (pk 5)	<a href="#">AWS428050</a>
9000 Cover front silver	<a href="#">AWS432000</a>
9000 Head harness	<a href="#">AWS165020</a>
9000 Head harness attachments series 2	<a href="#">AWS166020</a>
9000 Battery lithium (pk 2)	<a href="#">AWS422000</a>
9000 Holder battery (pk 2)	<a href="#">AWS431000</a>
9000 Tecaweld head protection	<a href="#">AWS164009</a>
9000 Ear and throat protection – leather	<a href="#">AWS164005</a>
9000 Tecaweld throat protection	<a href="#">AWS169001</a>
9000 Tecaweld head cape	<a href="#">AWS169100</a>
9000 Sweatband – towelling	<a href="#">AWS167000</a>
9000 Sweatband – towelling (pk 5)	<a href="#">AWS167500</a>
9000 Sweatband – leather	<a href="#">AWS168000</a>
9000 Magnifying lens 1.0X	<a href="#">AWS171020</a>
9000 Magnifying lens 1.5X	<a href="#">AWS171021</a>
9000 Magnifying lens 2.0X	<a href="#">AWS171022</a>
9000 Magnifying lens 2.5X	<a href="#">AWS171023</a>
9000 FlexView retro fit kit	<a href="#">AWS440500</a>
9000 Cover lens FlexView (pk 5)	<a href="#">AWS423005</a>

## 2 Head and Eye Protection for Welders

### Speedglas™ Spares and Accessories for Respirator Systems

Description	Part No.
<b>Cover lenses</b>	
Outside standard 140°C (pk 10)	AWS426000
Outside hard coated 145°C (pk 10)	AWS427000
Outside high heat 205°C (pk 10)	AWS427071
Inside (42x91 mm) 9000U/D/V (pk 5)	AWS428000
Inside (53x103 mm) 9000XF/X (pk 5)	AWS428010
FlexView (120x90 mm) (pk 5)	AWS423005
<b>Sweatbands</b>	
Towelling	AWS167000
Towelling (pk 5)	AWS167500
Leather	AWS168000
<b>Battery</b>	
9000 lithium (pk 2)	AWS422000
<b>Magnifying lens</b>	
9000 magnifying lens attachment	AWS171015
Diopter 1.0x	AWS171020
Diopter 1.5x	AWS171021
Diopter 2.0x	AWS171022
Diopter 2.5x	AWS171023
<b>FlexView</b>	
FlexView conversion kit	AWS440500
<b>Particle filter</b>	
Pre-filter (pk 5)	AWS836010
Pre-filter (pk 80)	AWS836080
Particle filter P SL	AWS837010
Particle filter P SL (pk 80)	AWS837080
<b>Head and throat protection</b>	
Our new generation of cloth protectors are made from Tecaweld™. Offers improved resistance to flames and molten metal, as well as excellent flexibility and durability	
Head protector: 100% Tecaweld	AWS164009
Throat protector: 100% Tecaweld	AWS169001
Hood protector for Head and Throat: 100% Tecaweld	AWS169100

Description	Part No.
<b>Odour filter</b>	
Excellent for removing unpleasant odours when using the particle filter configuration	
Complete odour filter	AWS837110
Replacement odour filter pad	AWS837120
<b>Gas filter</b>	
For protection from specific organic (A), inorganic (B) and acidic (E) vapours	
Gas filter A1B1E1	AWS837242
Gas filter A1+	AWS837542
<b>Adflo battery</b>	
Standard NiMH	AWS837620
Heavy-Duty NiMH	AWS837621
<b>Face seal</b>	
Face seal for welding shield	AWS434001
Face seal for clear or shade 5 protective visor	AWS804005
<b>Air hose</b>	
Adflo air hose 0.95 m	AWS834000
Adflo air hose cover	AWS834003
Adflo air hose rubber 0.95 m	AWS834005
Adflo air hose 1.20 m	AWS834010
Adflo air hose 1.90 m	AWS834012
Adflo air hose 2.85 m.	AWS834013

This table is also found on page 127.

## Flip Front Welding Helmet



### BOC Galaxy 2.4 High-impact Passive Flip Front Helmet

The BOC Galaxy 2.4 is high velocity impact approved and includes a flip-up adaptor with a shade 10 welding filter. Suits both welding and grinding applications.

- Flip-up adaptor with high impact approved clear lens removes the need to change from your welding helmet to a visor when grinding
- Adjustable headgear for improved comfort and usability
- Suited to all electric arc welding processes up to shade level DIN 10 or according to the mounted welding filter shade/electrode welding (stick welding, SMAW)/MIG/MAG (GMAW)/oxy-gas welding/plasma arc welding/micro plasma arc welding
- Unsuitable for laser welding

Part No.	1000-568
Flip-up window	Closed: 105 x 50 mm, open: 105 x 60 mm
Light transmittance	Permanent ultraviolet/infrared protection (helmet shell) visible range flip-up opened clear vision (DIN 0) visible range flip-up closed, shade level DIN 10
Shape stability	Helmet shell up to 220°C front Cover lenses up to 137°C
Helmet material	PA66
Operating temperature	-10°C to +70°C
Storage temperature	-20°C to +80°C
Weight (g)	490

**Note** All BOC Welding shields and welding lenses meet AS/NZS 1337 and 1338.1.

## Cap Attached Welding Helmets

### UniSafe® Cap Attached Welding Helmets

The lightweight injection moulded shell simply clips onto UniSafe safety caps.

- Lift-up lens holder
- UniSafe caps sold separately
- Australian made
- AS/NZS 1337:1992



### UniSafe® 500 Cap Attached Welding Helmet

Fits TA500 series caps

Part No.	WLC500
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### UniSafe® 535 Cap Attached Welding Helmet

Fits most generic caps

Part No.	WLC535
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## Filter and Cover Lenses



453855BOC

### BOC Welding Filter Lenses

All BOC glass welding lenses are manufactured from the highest quality glass. They are Australian Standards approved to AS/NZS 1338.1

#### Standard Filters

Description	Size	Part No.
Shade 8 filter lens	108x51 mm	453852BOC
Shade 9 filter lens	108x51 mm	453853BOC
Shade 10 filter lens	108x51 mm	453854BOC
Shade 11 filter lens	108x51 mm	453855BOC
Shade 12 filter lens	108x51 mm	453856BOC
Shade 13 filter lens	108x51 mm	453857BOC



### BOC Chipping Plates

Manufactured from polycarbonate for impact resistance. Comforms to AS/NZS 1338.1

Description	Size	Part No.
Clear	108x51 mm	453999BOC
	133x114 mm	454098

**Note** All BOC Welding shields and welding lenses meet AS/NZS 1337 and 1338.1.



454014BOC

### BOC Magnification Lens

The BOC magnification lens fits into all standard 108x51 mm welding helmets and handshields to greatly assist the welder while working.

Description	Size	Part No.
1.5 diopter	108x51 mm	454012BOC
2.0 diopter	108x51 mm	454010BOC
2.25 diopter	108x51 mm	454014BOC
2.50 diopter	108x51 mm	454011BOC



### BOC Cover Plates\*

BOC CR39 and glass cover plates are designed to protect the filter lens from heat and spatter and comply to AS/NZS 1338.1

Coverplates protect your welding filter against metal particles, incandescent projectiles and the like, emitted during the welding process.

Description	Size	Part No.
Clear CR39	108x51 mm	453861BOC
	133x114 mm	454077BOC
Clear glass	108x51 mm	453862BOC

#### \*WARNING:

Anti-spatter plate is not impact resistant and should not be used when grinding.

## Filter and Cover Lenses (cont)



### Nova Lens

Nova lens is an automatic darkening filter, which converts most passive welding helmets to auto darkening.

- Switching speed from light to dark is 0.2ms at room temperature and 0.1ms at 55°C
- Switching speed from dark to light is 0.1–0.6s depending on the position
- Can be used for electrode and MIG/MAG welding
- Inside cover lens with coloured filters
- Adaptor 90×110 mm for Optrel masks
- Restricted for laser and oxy-gas welding
- Two year warranty from date of sale (in case of manufacture or material defects)

Part No.	501-220
Cartridge dimensions (mm)	50.8×108×5.33
Field of view (mm)	35×92
Shade No.	3/10 With additional coloured filter (+1 shade) 4/10
UV/IR protection	Maximum protection in any shade setting
Sensors	One above the eyes Fixed detection angle
Power supply	Two solar cells - no battery changes
Operating temperature	-10 to +70°C
Weight (g)	35

# Welding Eyewear

## Welding Spectacles



SE9185042

### uvex athletic

- Innovative, progressive, extremely safe
- AS/NZS 1337 approved (medium impact)
- Oxy-acetylene welding and safety spectacle in one
- Lightweight for such a robust construction
- Welding filter lens for oxy-acetylene welding and passive welding
- Wraparound style
- X-press-clip (XPC) makes changing the lenses quick and easy
- Compatible with other PPE
- Black Frame

Description	Part No:
Infradur shade 2 PC green welding filter	SE9185042
Infradur shade 3 PC green welding filter	SE9185043
Infradur shade 5 PC green welding filter	SE9185045
Optidur Clear 4C Plus, PC lens	SE9185175
<b>Replacement Lens</b>	
Shade 2	SE9185082F
Shade 3	SE9185083F
Shade 5	SE9185085F
Clear	SE9185155F



1658212

### Bollé Concept Welding

Concept Welding offers total eye protection for gas welders and assistants. The frame design is multi adjustable for a tighter fit with integrated brow and cheek guards. The polycarbonate lenses also incorporate infrared absorbing dyes for added safety.

- Black frame

Description	Part No.
Shade 3 lens	1658212
Shade 5 lens	1658213



1683211

### Bollé Bandit 2 Welding

Bolle Bandit 2 Welding features an integrated/co-moulded polycarbonate temple and black opaque side shields. Outstanding visual clarity is offered through an 8 base curved, distortion free lens with infrared filters for gas welders and assistants. The soft TP rubber on the inside temple and soft nose pads provide a more comfortable fit.

- Black frame

Description	Part No.
Shade 3 lens	1683211
Shade 5 lens	1683212

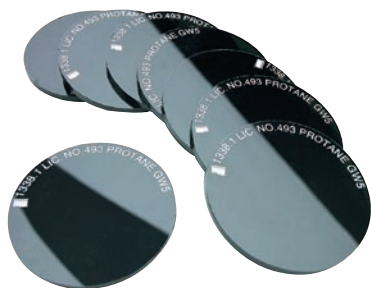
## Welding Goggles



### BOC Gas Welding Goggles

- Soft pliable frame – comfortable to wear
- Goggles fit over prescription or safety spectacles
- The lift front goggle has shade 5 glass filter lenses (AS/NZS 1338.1) with polycarbonate chipping lenses
- Non-reflective matt interior finish
- Replaceable lenses are available for the lift front goggle
- Vented to prevent fogging
- Manufactured from PVC plastic and glass filled nylon for lift front

Part No.	454031BOC
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### Welding Filters for Lift Front Goggles

All BOC glass welding lenses are manufactured from the highest quality glass. They are Australian Standards approved and comply to AS/NZS 1338.1 Lic. No. 493.

Description	Part No.
Shade 4 (pair)	453809BOC
Shade 5 (pair)	453810BOC
Shade 6 (pair)	453811BOC

### Polycarbonate Lens

Description	Part No.
Cover lens (pair)	453812BOC



SE9301045

### uvex® blacknight welding goggles

- Anatomical shape and soft material allow a close yet comfortable fit
- Integrated, indirect ventilation allows air movement directly across the lens while protecting against splashes and dust
- Fits comfortably over most prescription spectacles
- Specially designed nose bridge works well with disposable masks
- High-quality easily adjustable headband
- Panoramic lens shape allows 180° uninterrupted lateral vision
- AS/NZS 1337 approved (medium impact)
- Simple lens replacement reduces cost
- Oxy welding goggle, shade 5

Description	Part No.
Blacknight welding goggles	SE9301045

#### Replacement Parts

Blacknight lens HC/AF Shade 5	SE9300185F
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### UMATTA® Safety Goggles

- Convertible safety spectacle and goggle, comes completed with temples (arms) and a strap in a soft UmatTA pouch
- Easy to replace interchangeable temples to strap to wear as goggles, or strap to temples to wear as spectacles
- Shade 5 for gas welding
- Anti-fog UV 400 Protection Hard coat lens
- Approved to AS/NZS 1337

Description	Part No.
Shade 5 lens (Set)	USPOGGLE/SH5

#### Replacement Parts

Shade 5 lens	USPOGLENS/SH5
UMATTA strap	USPOGSTRAP