

FACESHIELDS & VISORS

EN166: 2001, EN1731: 2006, EN169: 2002, EN175: 1997, AS/NZS1337.1, AS/NZS1337.2

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EN

CORRECT CARE AND USAGE INSTRUCTIONS

AU/NZ

A copy of this manual and the Declaration of Conformity for the product can be found on the product page: documents.jspasafety.com

STORAGE: When not in use or during transportation the faceshield/visor should be stored in a container such that it is out of direct sunlight, not in contact with solvents and can not be damaged by physical contact with hard surfaces/items. Do not store outside the temperature range of -20°C or +50°C or with humidity above 90%RH.

UNPACKING INSTRUCTIONS: Carefully remove the faceshield/visor from the packaging, taking particular note of any instructions printed on or included with the faceshield, and remove the protective film on the visor. Do not use if items appear damaged or missing.

CLEANING / DISINFECTION: To maintain the faceshield/visor in the best possible condition do not use abrasive materials to clean them. Rinse in a 1% solution of mild detergent in tap water and dry with a soft cloth.

USE: No protection is given unless the visor is correctly fitted and in the lowered position. The faceshield can be raised or lowered as required by loosening the two side pivot nuts.

MAINTENANCE: A range of replacement parts is available, including welding filters and clear protective lenses. Instructions for fitting spare parts will be supplied. It is likely that the faceshield will require a replacement of component parts or the complete unit after a period of 2 to 3 years


POLYCARBONATE & ACETATE VISORS: These visors are suitable for protection against high speed particles, liquid splashes, molten metal, hot solids and electrical hazards as marked. **Warning:** They are not suitable for furnace or welding use.

WIRE GAUZE VISOR: This visor is suitable for use for forestry work in combination with JSP Invinible industrial Safety Helmets and Visor Carrier or JSP Invinible Browguard. The "S" symbol on the visor indicates that it meets the requirements of Increased Robustness as defined by EN1731. **Warning:** The mesh eye and face protector does not protect against liquid splash (including molten metal), hot solids, electrical hazards, infrared and ultra violet radiation. Mesh eye and face protectors marked with "S" should not be used when there is a foreseeable risk of any hard or sharp flying particles.

GREEN SHADED VISOR: The green shaded visor should only be used for gas welding, it is not suitable for use as a general eye protector.

WARNING: Susceptible individuals may experience an allergic reaction to those parts of the faceshield/visor that come into contact with the wearers' skin. If this is the case, leave the hazard area, remove the faceshield/visor and seek doctor's advice. None of the materials used in the manufacture of the faceshield are known to adversely affect user hygiene or health. Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer. This eye protector is suitable for use to the lowest marking on the browguard or visor. If protection against high speed particles at extremes of temperature is required then the selected eye-protector should be marked with the letter T immediately after the impact letter,

i.e. FT, BT or AT. If the impact letter is not followed by the letter T then the eye protector shall only be used against high speed particles at room temperature. Class 3 optical quality oculars are not designed for long term use. Filter screens carry the appropriate grade marking, see table for suitability of screen filter for the task to be performed. These eye protectors may transmit impacts to eye-ear enclosed by the eye protector. Clear material faceshields are not intended for furnace/welding use. Wire mesh faceshields are not suitable for protection against high speed particles, liquid splash, molten metal splash, hot solids, electrical hazards, furnace or welding use.

KEY TO FRAME & OCULAR MARKINGS:			
EN166	European Standard Number for Eye Protection		
EN169	European Standard Number for Welding filters		
EN175	European Standard Number for Welding eye/face protection		
EN1731	European Standard Number for Wire Gauze Visors		
AS/NZS1337.1	Eye & face protectors for occupational applications		
AS/NZS1337.2	Mesh eye & face protectors for occupational applications		
	Manufacturers Trademark		
2-...	Ultraviolet filter scale number	3	Liquid Droplets
5-...	Sunglare filter performance	4	Large Dust Particles
1	Optical Quality (1=high, 3=low)	5	Gas and fine Particles
M or 9	Molten Metals & Hot Solids	8	Short circuit electric arc
H	High temperature	O	Outdoor Untinted
V	High impact	C	Splash proof
I	Medium Impact	K	Resistance to surface damage by fine particles
B	Medium energy high speed particle impact		
F	Low energy high speed particle impact	N	Anti-Mist
S	Increased robustness		
T	If protection at extremes of temperature is required select eyewear including a T after the impact marking		

ASSEMBLY FOR CLEAR & WIRE GAUZE VISORS

ASSEMBLY & ADJUSTMENT OF FACESHIELDS:

In use ensure the faceshield/helmet combination fits comfortably, and securely to the head. If fitted to a helmet combination, follow the adjustment instructions supplied with the helmet. If fitted to a browguard, adjusted as follows:

- Slide left half of crown strap through loops on the right half to obtain correct height, engage retaining pin in correct hole.
- Place faceshield on head and check height setting. Ensure headband is not too low on brow. If necessary repeat step 1 until correct height adjustment is achieved.
- With faceshield on head turn adjuster knob or adjust elastic to obtain a firm and comfortable fit.

Suitable accessories and spare parts are available from the retailer. Do not use accessories and spare parts not approved by the manufacturer.

VISOR REPLACEMENT FOR CLEAR & WIRE GAUZE VISORS

VISOR REPLACEMENT:

Scratched or damaged visors should be replaced. Replacement visors are available for all faceshields. Under normal circumstances the faceshield and visor should offer adequate protection for 2-3 years.

INVINCIBLE & CLIPTITE:

1. Pull visor off press-studs at each end.
2. Disengage visor from centre peg.
3. Reverse procedure to fit new visor.

FACESAVER & MARTCARE:

1. Push out and retain stud securing visor to browguard.
2. Swing visor down and disengage visor keyhole slots from either side of browguard.
3. Reverse procedure to fit new visor

SUREFIT™:

1. To remove the old visor, press the top of it inwards so it comes away from pip and pull down. Repeat for other two pips.
2. Locate the new visor into the channel around the rim of the visor carrier.
3. Push the centre of the visor inwards in order to locate the central hole over the central pip of the visor carrier.
4. Ensuring the visor is located in the channel on the relevant side locate the remaining two pips.

LITEGUARD™:

1. To remove the old visor, press the top of it inwards so it comes away from notch.
2. Swing visor down and disengage visor keyhole slots from either side of browguard.
3. Reverse procedure to fit new visor.

FITTING & USING WELDING FACESHIELD

TO INSERT WELDING FILTER: Remove the inner securing frame and one of the two protective clear lenses from the faceshield. Insert the welding filter, followed by the clear lens and securing frame, ensuring that the inner frame clicks firmly into place.

FITTING FOR HARNESS MOUNTED FACESHIELD:

The head height and size can be adjusted as follows:

1. Slide left half of crown strap through loops on the right half to obtain correct height, engage retaining pin in correct hole.
2. Place faceshield on head and check height setting. Ensure headband is not too low on brow. If necessary repeat step 1 until correct height adjustment is achieved.
3. With faceshield on head turn adjuster knob to obtain a firm and comfortable fit.

FITTING FOR HELMET MOUNTED FACESHIELD:

The faceshield is designed to be fitted to most leading makes of industrial safety helmet with standard size peak. Slide helmet peak into slot in the faceshield. Stretch PVC covered retaining spring over the crown of the helmet until it fits securely around the helmet shell.

USE: The faceshield will only offer protection with a welding filter correctly inserted and when the faceshield is in the lowered position. The welding filter is marked with the appropriate shade grade. For proper selection of the filter grade please consult the chart. Ensure that the correct welding filter is fitted before commencing welding operations.

Toughened mineral filter oculars shall only be used in conjunction with a suitable backing ocular.

The scale number, given in the table below, is to be used for arc welding, gas welding and arc gouging. The following abbreviations are used according to ISO4063:

- MIG corresponds to Metal Arc Welding with Inert Gas Shield.
- MAG corresponds to Metal Arc Welding with Non-inert Gas Shield.
- TIG corresponds to Tungsten Inert Gas.
- Arc-Air Gouging corresponds to the use of a carbon electrode and a compressed air jet to remove the molten metal.

The term 'heavy metals' applies to steels, alloy steels, copper and its alloys, etc. The hatched areas correspond to the ranges where the welding operations are not usually used in the current practice of manual welding.

Note: If the use of filters selected from the table produces a feeling of discomfort, the working environment and the eyesight of the operator should be examined. It can be harmful to use filters with too high a scale number (too dark) as this would force the operator to move too close to the radiation source and to inhale harmful fumes. For work carried out in the open air and strong natural light, it is possible to use a filter one scale number higher.

In the table the letter A corresponds to the current rating of the welding device in Amperes. The letters l/h correspond to the flow rate of the acetylene gas in litres per hour.

Welding Process or Related Technique

Scale Number	Covered Electrode	MIG with heavy metals	MIG light alloys	TIG on all metals/alloys	MAG	Air-arc gouging	Plasma jet cutting	Microlasma arc welding	Gas welding	Gas cutting
3										
4								1.5-6A	<70l/h	
5								6-15A	70-200l/h	900-2000l/h
6								15-40A	200-800l/h	2000-4000l/h
7								40-60A	>800l/h	4000-8000l/h
8	<60A			10-30A	<70A			60-100A		
9	60-100A	70-125A		30-70A	70-100A		100-125A	100-125A		
10	100-150A	125-175A	125-175A	70-125A	100-150A	<175A	125-150A	125-175A		
11	150-200A	175-250A	175-225A	125-200A	150-225A	175-200A	150-175A	175-225A		
12	200-300A	250-350A	225-300A	200-300A	225-400A	200-250A	175-250A	225-325A		
13	300-450A	350-450A	300-400A	300-350A	400-600A	250-350A	250-400A			

IMPORTANT NOTE: This table is for guidance only. It is the USERS responsibility to ensure that Protective Equipment is suitable and adequate for use in the intended hazardous environment.