



**SHINE**®



**SPARX**<sup>™</sup>  
*Single*

**SPARX SINGLE INSTRUCTION MANUAL**

# SparX Single Professional Quality Grinding/Welding Helmet

## WARNING

Read and Understand All Instructions Before  
Using the Equipment.

## SAFETY WARNINGS

This helmet can only resist a certain amount of heat. Please do not place hot electrode holders inside the helmet and please do not place the helmet near naked flames or hot work surfaces. Scratched or damaged visors and lenses must always be replaced if broken, damaged or covered with spatter to the extent that vision is impaired.

The user should conduct daily regular checks to ensure no damage is evident. Materials that may get in contact with the wearers skin could cause Allergic reactions to susceptible individuals. Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer.

We recommend a use of the helmet and visors for a period of 5 years. The duration of use depends on various factors such as use, cleaning storage and maintenance.

Please check regularly of the consumable components and replace if serviceability or visibility is suspected to be affected, and finally dispose when critical components not offered as spares are suspected to be damaged or if serviceability is affected.

- This helmet is not suitable for laser welding.
- Never place this helmet on a hot surface.
- This helmet will not protect against explosive devices or corrosive liquids.
- Do not make any modifications to either the lens or helmet, unless specified in this manual.
- Do not use replacement parts other than those specified in this manual. Unauthorized modifications and replacement parts will void the warranty and expose the operator to the risk of personal injury.
- Do not immerse the helmet in water.
- Do not use any solvents on the filter screen or helmet components.
- Storing temperature: -20 °C ~ +85 °C (- 4 °F ~ +185 °F). The helmet should be stored in dry cool and dark area, when not using it for a long time.
- Clean the lens surface regularly; do not use strong cleaning solutions. Regularly replace the cracked/scratched/pitted front lens.

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## 1. INSTRUCTIONS FOR USE

Information manual for the Sparx Single welder protective helmets comply with Paragraph 1.4 of Appendix II of the EC Regulations.

Sparx Single helmets offer permanent protection against UV/IR rays, also face and eye protection from sparks caused by the welding process.

Do not look directly at the welding rays with unprotected eyes when the arc strikes. This can cause painful inflammation of the cornea and irreparable damage to the lens of the eye leading to cataracts.

## 2. STANDARDS

The SparX single design and manufacturing process complies with CE EN175B EN166.



Before commencing work please inspect carefully the helmet and the passive glass for any visible marks, cracks, pitted or scratched surfaces; damaged surfaces even on protection plates reduce vision impair protection. If protection plates are scratched, damaged or built up with spatter please replace.

Welding helmets should not be dropped. Do not place heavy objects or tools on or inside the helmet as they might damage the components. If used properly, the welding filter requires no further maintenance during its lifetime.

## 5. SERVICE AND MAINTENANCE

Only clean the Sparx Single with mild soap and water. Dry with a clean cotton cloth.

Please note the use of solvents is strictly prohibited, as they will damage the mask and filters.

Scratched or damaged visors must always be replaced.

The user must make daily regular checks to ensure that there is no evident damage. Outer and Inner Visors are consumables and must be replaced regularly with genuine certified spare parts.

## 6. REPLACING THE LARGE VISOR

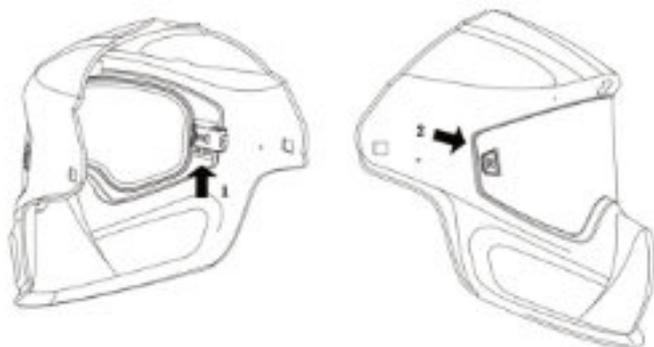
The Large Inner Visor is a protection lens and must be replaced if broken, damaged or covered with welding spatter to the extent that vision is impaired.

Push the plugs inside the helmet up, see position 1, the Inner Visor will be released from the helmet; Then pull the Inner Visor out, see position 2.

Insert the visor, it is necessary to locate the button into the corresponding hole in the helmet, then push the plugs inside the helmet down and lock the visor

The user must always make sure the Visor is fitted properly and is locked well and there are no visible gaps.

See the illustrations.



## 7. REPLACING THE OUTER FLIP VISOR

The Outer flip Visor is a protection lens and must be replaced if broken, damaged or covered with welding spatter to the extent that vision is impaired.

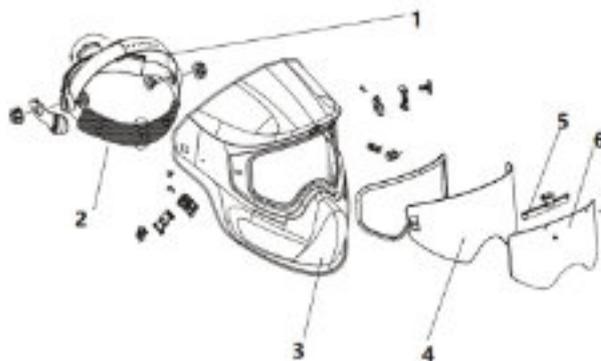
The Outer flip Visor is held on a visor holder which is fixed on the shell by two screws. To remove the Visor, loosen the two screws (No.1), The Visor (No.2) can then be removed.

To replace, change a new visor and fit onto the holder (No.3) by tighten the two screws



## 8. PART LIST AND ASSEMBLY

ITEM	DESCRIPTION	PART NO.
1	Headgear of Sparx Single	13.01.041
2	Sweat band of Headgear of Sparx Single	13.01.042
4	Large Inner Visor Sparx Single DIN 1 (clean)	13.02.411
4	Large Inner Visor Sparx Single DIN 2	13.05.005
4	Large Inner Visor Sparx Single DIN 3	13.05.006
4	Large Inner Visor Sparx Single DIN 5	13.05.007
5	Outer visor holder & screws (flip up clip)	13.05.003
6	Outer Flip Visor Sparx Single DIN 5	13.05.008
6	Outer Flip Visor Sparx Single DIN 8	13.05.009



## 9. SHADE CALCULATION

Sparx Single have various shade options. To calculate the shade of Sparx Single, plus the inner visor shade with outer visor shade, then minus 1(inner visor +outer visor-1).

Examples: Shade 9,  
Inner Visor: Shade 2  
Outer Visor: Shade 8  
Total shade of the helmet : $(8+2-1) =9$

## 10. HELMET MARKING EXPLANATION

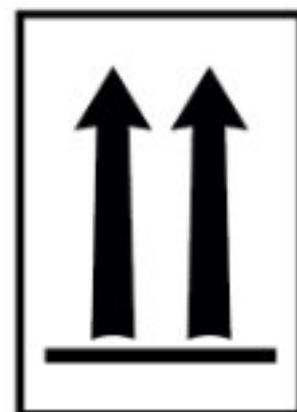
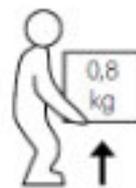
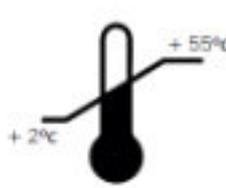
Helmet Marking Explanation:

EN175 B CE - Manufacturer sign  
EN175 - Number of Standard  
B - Symbol of protection against high speed particles (120 m/s)

Helmet Visor Marking Explanation:

CSS - Producer  
1 - Optical Classification  
B - Mechanical strength at 120 m/s  
CE - CE conformance mark

DIN EN 379: 2003 + A1:2009  
DIN EN 175: 1997-08  
DIN EN 166: 2002-04



# ATTENTION

if any of these conditions is not kept or followed, the warranty is automatically invalid.