



COMPATIBLE WITH HIMA / HIMA2



### Area of use\*



### Technical features

#### Helmet goggles.

**Lens:** 100% polycarbonate, tinted (smoke), one-piece.

**Packaging:** carton of 50 pieces.

**Subpackaging:** individual polybag.

### Advantages

- > **Compatible with HIMA/HIMA2 helmets.**
- > **Quick and easy installation** (installs without tools).
- > **Can be slid over the helmet** (various possible positions).
- > **Suitable for outdoor work** thanks to the tinted lenses.
- > **Better visibility** thanks to the one-piece lens.
- > **Can be worn over prescription glasses.**

**EYES**  
protection

### Certification

This product (+HIMA/HIMA2) complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE). **Category II**.  
Issued by **Alienor Certification**, notified body n°2754.

**EN 166 : 2001 (FT optical class 1) / EN 172 : 1994 (5-2,5)**



Download the EU declaration of conformity on <http://docs.singer.fr>

## STANDARDS

EN 165	Personal eye-protection: vocabulary.
EN 166	Personal eye-protection: specifications.
EN 167	Personal eye-protection: optical test methods.
EN 168	Personal eye-protection: non optical test methods.
EN 169	Personal eye-protection: filters for welding and related techniques.
EN 170	Personal eye-protection: ultraviolet filters.
EN 171	Personal eye-protection: infrared filters.
EN 172	Personal eye-protection: sunglare filters for industrial use.
EN 175	Personal eye and face-protection: welding and allied processes.
EN 1731	Personal eye-protection: mesh eye and face protectors.
EN ISO 12312-1	Personal eye and face-protection. «Minor risks». Sunglasses and related eyewear.

## FILTER CODE NUMBER

No number	Welding filters
2	Ultraviolet filters (UV)
2C or 3	UV filters (good colour perception)
4	Infrared filters (IR)
5	Sunglare filters without specification in IR

## FILTER PROTECTION CLASS

1,1 to 1,2	Indoor use - clear protection
1,4 to 2	Versatile use - slightly tinted protection
2,5 to 3,1	Outdoor use - strongly tinted protection
1,2 to 16	Filters for welding and related techniques

## OPTICAL CLASS

1	Continuous work (best quality)
2	Intermittent work
3	Occasional work

## MECHANICAL STRENGTH

No symbol	Minimum robustness
S	Increased robustness
F	Low energy impact
B	Medium energy impact
A	High energy impact

Symbol T is used in conjunction with either F, B or A. It indicates that the particulates are launched at extremes of temperature.

## MARKING OF OCULAR

**2-1,2 SINGER 1 FT 8 0 CE**

A B C D E F G H

A	Filter code number
B	Filter protection class
C	Identification of the manufacturer
D	Optical class
E	Mechanical strength
F	Field of use
G	Optional requirements
H	European conformity

## MARKING OF FRAMES

**SINGER EN166 4 S H CE**

A B C D E F

A	Identification of the manufacturer
B	Standard number
C	Field of use*
D	Mechanical strength
E	Optional requirements (only H)
F	European conformity

## FIELD OF USE

No symbol	Basic use
3	Liquids
4	Large dust particles
5	Gas and fine dust particles
8	Short circuit electric arc
9	Molten metal and hot solids

## OPTIONAL REQUIREMENTS

N	Anti-fog treatment ***
K	Anti-scratch treatment ***
O	Original ocular ***
▽	Replacement ocular ***
R	Enhanced reflectance in IR ***
H	Designed to fit a small head **

(\*) Unapplicable to spectacles - (\*\*) Marking of frame only - (\*\*\*) Marking of ocular only