

## Area of use\*



FOOD PROCESSING

LIGHT INDUSTRY

FINISHINGS

GREEN SPACES

MAINTENANCE

## Technical features

### Safety spectacles.

**Lens:** 100% polycarbonate, tinted.

**Lens thickness:** 2,20 mm.

**Treatment:** UV protection (400), antifog and anti-scratch.

**Frame:** 100% polycarbonate.

**Temples:** 100% polycarbonate, with anti-slip insert (PVC).

Stainless steel screws.

**Nose pad:** 100% soft PVC.

**Colour:** black and brown.

**Packaging:** carton of 100 pieces.

**Subpackaging:** box of 10 pieces (individual polybag).

**Weight:** 24 g.



## Advantages

**Reinforced strenght** thanks to the material (polycarbonate).

**Very good holding** thanks to the anti-slip inserts.

**Treatment against scratches and fogging + UV protection treatment.**

**Quality and reliability** of ISO 9001 / ISO 14001 / ISO 45001 certified production.

**Hang tag included for sales in professional stores.**

**EYES**  
protection

## Certification

This product complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE).  
**Category II.** Issued by **SGS FIMKO Ltd**, notified body n°0598.

**EN ISO 16321-1: 2021**

**SINGER® GL1 C 1 CE**

MARKING OF OCULAR

**16321 SINGER® C 1-M CE**

MARKING OF FRAMES



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

## MARKING OF OCULAR

**SINGER**  **B C D E CE**

## MARKING OF FRAMES

**A SINGER**  **C D E F CE**

## A STANDARDS\*

EN ISO 16321-1	Eye and face protection for professional use. Part 1: general requirements
EN ISO 16321-2	Eye and face protection for professional use. Part 2: additional requirements (welding and related techniques)
EN ISO 16321-3	Eye and face protection for professional use Part 3: additional requirements (mesh protectors)

## B OPTICAL POWER\*\*

Without marking	Optical power improved or not.
1	Improved and claimed optical power.

## C FILTER TYPE + SCALE NUMBER

<b>U</b>	UV protection filter.	<p><b>Scale from 1.2 to 5.</b> (1,2/1,4/1,7/2/2,5/3/4/5).</p> <p>U 1.2 = Low radiation / wavelength &lt; 313 nm. U 5 = Strong radiation in the visible and UV range.</p>																																
<b>G</b>	Sun protection filter.	<p><b>Scale from 0 to 4.</b> (0/1/2/3/4).</p> <p>G 0 = No brightness / indoor use. G 4 = Extreme brightness / use in mountains &amp; sea.</p>																																
<b>R</b>	IR protection filter.	<p><b>Scale from 1.2 to 10.</b> (1,2/1,4/1,7/2/2,5/3/4/5/6/7/8/9/10).</p> <p>R 1.2 = Source of average temperatures up to 1050°C. R 10 = Source of average temperatures up to 2220°C.</p>																																
<b>W</b>	Welding filter.	<p><b>Scale from 1.2 to 16.</b> (1,2/1,4/1,7/2/2,5/3/4/5/6/7/8/9/10/11/12/13/14/15/16).</p> <table border="1"> <thead> <tr> <th></th> <th>TIG</th> <th>MAG</th> <th>MIG</th> </tr> </thead> <tbody> <tr> <td>W 8</td> <td>10 – 30 A</td> <td>1,5 – 70 A</td> <td>/</td> </tr> <tr> <td>W 9</td> <td>30 – 70 A</td> <td>70 – 100 A</td> <td>70 – 125 A</td> </tr> <tr> <td>W 10</td> <td>70 – 125 A</td> <td>100 – 150 A</td> <td>125 – 175 A</td> </tr> <tr> <td>W 11</td> <td>125 – 200 A</td> <td>150 – 200 A</td> <td>175 – 225 A</td> </tr> <tr> <td>W 12</td> <td>200 – 300 A</td> <td>200 – 300 A</td> <td>225 – 300 A</td> </tr> <tr> <td>W 13</td> <td>300 – 350 A</td> <td>300 – 450 A</td> <td>300 – 400 A</td> </tr> <tr> <td>W 14</td> <td>/</td> <td>450 – 650 A</td> <td>400 – 500 A</td> </tr> </tbody> </table>		TIG	MAG	MIG	W 8	10 – 30 A	1,5 – 70 A	/	W 9	30 – 70 A	70 – 100 A	70 – 125 A	W 10	70 – 125 A	100 – 150 A	125 – 175 A	W 11	125 – 200 A	150 – 200 A	175 – 225 A	W 12	200 – 300 A	200 – 300 A	225 – 300 A	W 13	300 – 350 A	300 – 450 A	300 – 400 A	W 14	/	450 – 650 A	400 – 500 A
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The symbol L\*\* can be used jointly (either UL, GL or RL).  
It indicates the possibility of detecting traffic lights.

## D MECHANICAL RESISTANCE

Without symbol	Minimum level of mechanical resistance.
<b>C</b>	Resistance to particles launched at 45 m/s.
<b>D</b>	Resistance to particles launched at 80 m/s.
<b>E</b>	Resistance to particles launched at 120 m/s.
<b>HM</b>	Resistance to high mass impacts.
<p>The symbol T can be used jointly (either CT, DT, ET or HMT). It indicates that the particles are launched at extreme temperatures during the test.</p>	

## E USAGE ENVIRONMENT

Without symbol	General use.
<b>K**</b>	Anti-scratch. (Deterioration of surfaces by fine particles)
<b>N**</b>	Fog resistance.
<b>3*</b>	Droplets.
<b>6*</b>	Liquid splashes.
<b>4*</b>	Large dust particles.
<b>5*</b>	Gases and fine dust particles.
<b>CH</b>	Chemical resistance.
<b>9</b>	Molten metal and hot solids.
<b>7</b>	Radiant heat.

## F HEAD SIZE\*

<b>1-S</b>	Small sizes.
<b>2-S</b>	
<b>1-M</b>	Medium sizes.
<b>2-M</b>	
<b>1-L</b>	Large sizes.
<b>2-L</b>	

(\*) Marking of frame only. (\*\*\*) Marking of ocular only.