

SAFETY / PROTECTIVE

FRAME & LENS MARKING



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BASIC STANDARDS

EN 166 Specifications
EN 167 Optical test methods
EN 168 Test method other than optical.

STANDARDS BY USE

EN 169 Welding filters
EN 170 Ultraviolet filters
EN 171 Infrared filters
EN 172 Solar protection filters for industrial use
EN 175 Welding work equipment
EN 207 Glasses for laser protection
EN 208 Glasses for laser adjustment
EN 379 Specification concerning welding filters.

FRAME MARKING

Frame marking must include the CE Symbol and manufacturer's name (logo or brand). If the glasses refer to the EN standard, the EN standard number is mandatory together with the various use and mechanical strength symbols, in accordance with the tests requested by the manufacturer.

Use symbols:

3. Liquid droplets or splashes.
4. Large dust particles > 5 microns.
5. Gas and fine dust particles < 5 microns.
8. Electrical short circuit arc.
9. Molten metal and hot solids.

Mechanical strength symbols:

- S. Extra strong, resists a 22 mm, 43 g ball falling 1.30 m.
- F. Low energy impact, resists a 6 mm, 0.86 g ball at 45 m/s.
- B. Medium energy impact, resists a 6 mm, 0.86 g ball at 120 m/s.
- A. High energy impact, resists a 6 mm, 0.86 g ball at 190 m/s.

LENS MARKING

Lens marking must include:

The scale number for filtering lenses.

The manufacturer's name (logo or brand recommended by the manufacturer).

Optical class symbols:

1. Continuous work
2. Intermittent work
3. Occasional work, but must not be worn continuously.

Use symbols:

9. Molten metal and hot solids.

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Mechanical strength symbols:

- S. Extra strong, resists a 22 mm 43 g ball falling 1.30 m at 5,1 m/s
- F. Low energy impact, resists a 6 mm, 0.86 g ball at 45 m/s
- B. Medium energy impact, resists a 6 mm, 0.86 g ball at 120 m/s
- A. High energy impact, resists a 6 mm, 0.86 g ball at 190 m/s
- K. Resistance to surface damage by fine particles (optional)
- N. Resistance to fogging (optional)
- T. The letter T, immediately after the mechanical strength symbol, authorises use for high speed particles at extreme temperatures.

WARNING

- F. Maximum protection for glasses.
 - B. Maximum protection for goggles.
 - A. Maximum protection for face shields.
- If the S, F, B and A symbols do not apply to both the lens and frame, then the lowest level must be assigned to the protective eyewear.

UKCA MARKING

The UKCA (UK Conformity Assessed) marking is a new marking used for goods sold on the market in Great Britain (England, Wales and Scotland). It covers most goods which previously required the CE marking.

