



Mandatory markings



Bollé Safety lens and frame marking is specific to each product. Each marking corresponds to a very specific use. Certified by independent laboratories, this information guarantees protective eyewear quality and resistance.



European standards



Basic Standards

- EN 166** Guarantee of minimum protection against everyday risks (dropping, sun-ageing, heat exposure, corrosion, etc.)
- EN 167** Optical test methods.
- EN 168** Test methods other than optical.

Standards by type of application

The type of use of the product and the corresponding standard are identified by a code (field of use) which is on the lens marking.

- EN 169** Welding filters (single code).
- EN 170** Ultra-violet filters (code 2 or 3).
- EN 171** Infra-red filters (code 4).
- EN 172** Industrial use solar protection filters (code 5 or 6).
- EN 175** Equipment for welding (presence of the EN175 on the product).
- EN 207** Laser protection glasses (code LB1 to LB10).
- EN 208** Laser adjustment glasses (code R1 to R5).
- EN 379** Specification covering welding filters (EN379 marking on the filter).

Bollé Safety product approval certificates to CE standards will be sent on request.

Frame marking

Frame marking must include the CE Symbol and manufacturer identification (logo or brand). If the spectacles 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:

Only on the frame (chemical protection)

- 3.** Liquid droplets or splashes.
- 4.** Large dust particles > 5 microns.
- 5.** Gas and fine dust particles < 5 microns.

Marking on the frame and the lenses mandatory.

- 8.** Electrical short circuit arc.
- 9.** Molten metal and hot solids.

Mechanical strength symbols:

Marking on the frame and the lenses mandatory.

- S.** Increased strength, withstands a 22 mm and 43 g ball falling from a height of 1.30 m at 5. 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.
- T.** The letter T, immediately after the mechanical strength symbol, authorises use in an environment in which high speed particles at extreme temperatures are present.

Lens markings

Lens marking must include:

- The scale number for filtering lenses (code).
- The manufacturer's identification (logo or brand recommended by the manufacturer).

Optical class symbols:

1. Continuous work - Worn permanently
2. Non-continuous work - Worn intermittently
3. Occasional work, must not be worn permanently.

Field of use symbols:

8. Electric short circuit arc.
9. Molten metal and hot solids.

Mechanical strength symbols:

Marking on the frame and the lenses mandatory.

- 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.
- T.** The letter T, immediately after the mechanical strength symbol, authorises use in an environment in which high speed particles at extreme temperatures are present.

Marking on the lenses only.

- K.** Resistance to surface damage by fine particles (optional).
- N.** Resistance to fogging (optional).

EN Standard

EN166 FT CE



2C-1.2 1 FT CE

Code (field of use)

- 2 or 3: UV filter (EN170)
- 4: IR filter (EN171)
- 5 or 6: solar filter (EN172)

Colour perception

- C: unimpaired colour perception

Protection class

- 1.2 to 6: degree of visible light filtration

Crown

- Manufacturer identification
- Bollé Safety

Optical class

- 1: high optical quality
- No optical distortion (suitable for permanent wear)

Mechanical strength

- 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
- 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 in an environment in which high speed particles at extreme temperatures are present.

WARNING

- F.** Maximum protection for glasses.
- B.** Maximum protection for goggles.
- A.** Maximum protection for face shields.

If the S, F, B, A and T symbols do not apply to both the lens and frame, then the lowest level must be assigned to the complete protective eyewear.