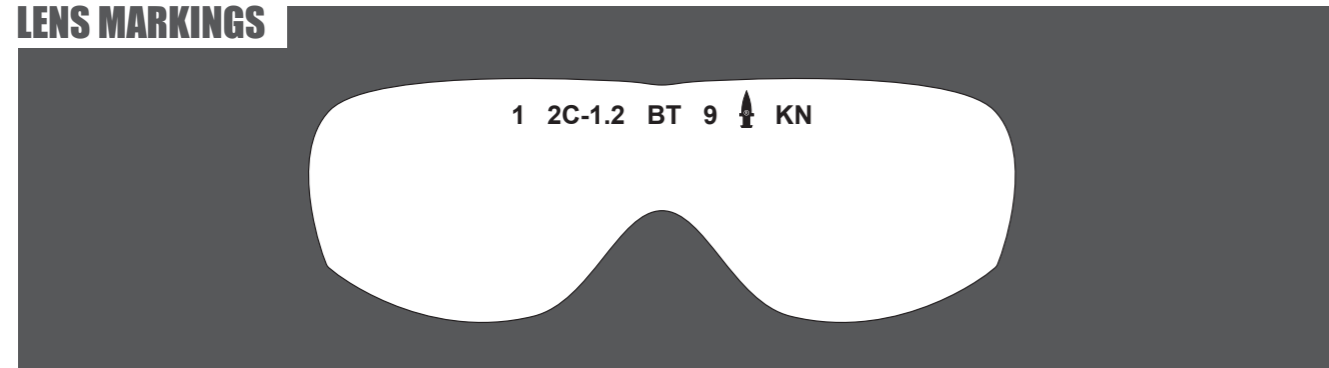


MARKINGS GUIDE

Eye and face protectors are marked to show level of protection and fields of use. Marking requirements, set out in EN 166, are divided into ocular (lens) and frame markings, with a separate requirement in place for where the ocular and frame form a single unit. Please note this guide details

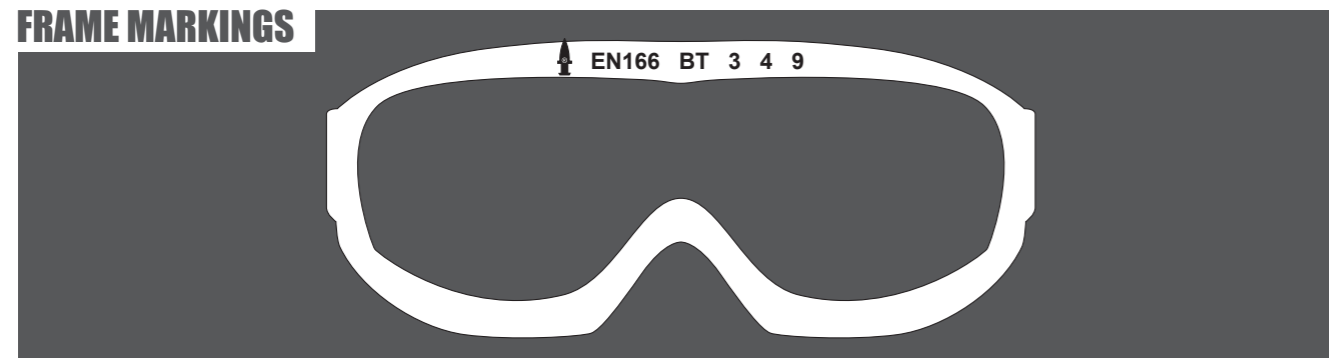
marking formats; marking positions can vary between products. For example, an ocular marking can appear on the side or top of spectacle lenses. Also shown are JSP icons for eye and face protectors performance properties which can be used to select and compare products in this guide.

LENS MARKINGS



OPTICAL CLASS	LENS SHADE	LIGHT TRANSMISSION	IMPACT PROTECTION	FIELDS OF USE	ADDITIONAL MARKINGS
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FRAME MARKINGS



OPTICAL CLASS	LENS SHADE	LIGHT TRANSMISSION	IMPACT PROTECTION	FIELDS OF USE	ADDITIONAL MARKINGS
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OPTICAL CLASS MARKINGS		Optical class is marked by a singular number, either 1, 2, or 3 with 1 being optimum and 3 being only for short-term wear. All applicable JSP eye and face protection is optical class 1.
1 (highest)	Suitable for continuous, long-term use	
2	Suitable for intermittent use	
3 (lowest)	Not intended for long-term use	

LENS SHADE MARKINGS		The shade of the lens and UV / solar filtering is shown by a series of numbers. The first number signifies the radiation protection afforded by the lens.
2-	UV protection	
2C- / 3-	UV protection with good colour recognition	
5-	UV and solar protection	

LIGHT TRANSMISSION MARKINGS		The second part signifies the light transmission offered by the lens. These two values are separated by a hyphen (-) meaning the full lens shade marking will appear as 2C-1.2, for example.
1.2	74.4% - 100% (clear)	
1.7	43.2% - 58.1% (indoor / outdoor)	
2.5	17.8% - 29.1% (light smoke)	
3.1	8.0% - 17.8% (dark smoke)	

IMPACT PROTECTION MARKINGS		The impact protection of the eye protector is marked with a letter. If followed by the letter 'T', this signifies that the eye protector satisfies the impact requirements at extremes of temperature.
A	Withstands high speed particles, high energy impact (faceshield only)	
B	Withstands high speed particles, medium energy impact (goggle and faceshield only)	
F	Withstands high speed particles, low energy impact	
S	Increased robustness (mesh eye protectors)	

FIELDS OF USE MARKINGS		Fields of use are marked with a separate, single number.
3	Protection against liquid droplets (goggle) and liquid splash (faceshield)	
4	Protection against large dust particles (>5 microns) (goggle only)	
5	Protection against gases and fine dust particles (<5 microns) (goggle only)	
8	Protection against short circuit electric arc (faceshield only)	
9	Protection against molten metals and hot solids	

ADDITIONAL MARKINGS		Additional features and properties of the eye protector are marked with a separate, single letter. All JSP eye and face protectors feature the relevant EN standard and manufacturer marking.
K	Resistance to surface damage by fine particles (anti-scratch)	
N	Resistance to fogging of oculars (anti-mist)	
EN 166	European standard for personal eye protection	EN 166
	Manufacturer's trade mark	