



International

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Ophthalmic optics — Spectacle frames — Requirements and test methods

Optique ophtalmique — Montures de lunettes — Exigences et méthodes d'essai

ISO 12870

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 170, *Ophthalmic optics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 12870:2016), which has been technically revised.

The main changes are as follows:

- rimmed clip-ons, prescription inserts, and frames made by additive manufacture are now included in the scope;
- additional terms and definitions;
- clarification of the tests to be applied for the biological properties of custom-made frames in [Table 1](#) (in [4.1](#));
- some re-arrangement of and additional text in [4.2](#);
- simplification of the text in [4.2](#) to make it more general, and addition of a note on magnets;
- additional wording has been added to [4.12.3](#) and [8.5](#) to emphasize that the apparatus prevents rotational movements of the "fixed" side;
- minor changes to [4.2](#), [6.1](#), [8.5.2.3](#), [8.6](#), [8.7](#) (with a new [Annex E](#)), [Clause 9](#) and [10.3](#);
- [4.5](#) and [4.9](#) have been made optional, while the original 10.5 and 10.6 are now in a Note to [4.2](#);
- [10.1](#) refers to an informative [Annex F](#) on frame handling information.

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