

Australian/New Zealand Standard™

**Ophthalmic optics—Spectacle lenses—
Fundamental requirements for uncut
finished lenses (ISO 14889:2013, MOD)**



AS/NZS ISO 14889:2015

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MS-024, Spectacles. It was approved on behalf of the Council of Standards Australia on 21 January 2015 and on behalf of the Council of Standards New Zealand on 20 January 2015.

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The following are represented on Committee MS-024:

Australian Dispensing Opticians Association
New Zealand Association of Optometrists
Optical Distributors and Manufacturers Association of Australia
Optometrists Association Australia
Queensland University of Technology
University of Auckland (New Zealand)
University of Melbourne
University of New South Wales

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-024 Spectacles, to supersede AS/NZS ISO 14889:2011.

The objective of this Standard is to specify fundamental requirements for uncut finished spectacle lenses.

This Standard is an adoption with national modifications and has been reproduced from ISO 14889:2013, *Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses* and has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are specified in Appendix ZZ.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
8980	Ophthalmic optics—Uncut finished spectacle lenses	8980	Ophthalmic optics—Uncut finished spectacle lenses
8980-1	Part 1: Specifications for single-vision and multifocal lenses	8980.1	Part 1: Specifications for single-vision and multifocal lenses
8980-2	Part 2: Specifications for progressive power lenses	8980.2	Part 2: Specifications for progressive power lenses
8980-3	Part 3: Transmittance specifications and test methods	8980.3	Part 3: Transmittance specifications and test methods
8980-4	Part 4: Specifications and test methods for anti-reflective coatings	8980.4	Part 4: Specifications and test methods for anti-reflective coatings
13666	Ophthalmic optics—Spectacle lenses—Vocabulary	13666	Ophthalmic optics—Spectacle lenses—Vocabulary
21987	Ophthalmic optics—Mounted spectacle lenses	21987	Ophthalmic optics—Mounted spectacle lenses

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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NOTES

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AUSTRALIAN/NEW ZEALAND STANDARD

Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses (ISO 14889:2013, MOD)**1 Scope**

This International Standard specifies fundamental requirements for uncut finished spectacle lenses. This International Standard is not applicable to protective spectacle lenses.

This International Standard takes precedence over the corresponding requirements of other standards, if differences exist.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8980-1, *Ophthalmic optics — Uncut finished spectacle lenses — Part 1: Specifications for single-vision and multifocal lenses*

ISO 8980-2, *Ophthalmic optics — Uncut finished spectacle lenses — Part 2: Specifications for progressive power lenses*

ISO 8980-3:2013, *Ophthalmic optics — Uncut finished spectacle lenses — Part 3: Transmittance specifications and test methods*

ISO 8980-4, *Ophthalmic optics — Uncut finished spectacle lenses — Part 4: Specifications and test methods for anti-reflective coatings*

ISO 13666, *Ophthalmic optics — Spectacle lenses — Vocabulary*

ISO 21987, *Ophthalmic optics — Mounted spectacle lenses*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 13666 and the following apply.

3.1**manufacturer (of an uncut finished spectacle lens)**

natural or legal person who places the uncut finished lens on the market

4 Fundamental requirements for spectacle lenses**4.1 Performance**

In addition to the requirements specified in this International Standard, uncut finished lenses shall comply with the relevant parts of ISO 8980, and mounted lenses shall comply with ISO 21987.

4.2 Design

Spectacle lenses shall be designed so that the overall risk associated with their use according to the conditions intended by the manufacturer, relative to the risk when the spectacle lenses are not used, is