

Australian/New Zealand Standard™

**Ophthalmic optics—Mounted spectacle
lenses**



AS/NZS ISO 21987:2011

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 8 November 2010 and on behalf of the Council of Standards New Zealand on 12 November 2010.

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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
Queensland University of Technology
The University of Melbourne
The University of New South Wales
University of Auckland

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-024, Spectacles. This Standard replaces relevant text in AS 2228.1—1992, which is intended to be withdrawn by February 2012.

The objective of this standard is to specify requirements for mounted spectacle lenses relative to the prescription order.

This Standard is identical with, and has been reproduced from ISO 21987:2009, *Ophthalmic optics—Mounted spectacle lenses*.

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

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
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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 ISO	
8624	Ophthalmic optics—Spectacle frames—Measuring system and terminology	8624	Ophthalmic optics—Spectacle frames—Measuring system and terminology
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
8980-5	Part 5: Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant	8980.5	Part 5: Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant
13666	Ophthalmic optics—Spectacle lenses—Vocabulary	13666	Ophthalmic optics—Spectacle lenses—Vocabulary
14889	Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses	14889	Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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AUSTRALIAN/NEW ZEALAND STANDARD

Ophthalmic optics — Mounted spectacle lenses**1 Scope**

This International Standard specifies requirements for mounted spectacle lenses relative to the prescription order.

2 Normative references

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

ISO 7944, *Optics and optical instruments — Reference wavelengths*

ISO 8429, *Optics and optical instruments — Ophthalmology — Graduated dial scale*

ISO 8598, *Optics and optical instruments — Focimeters*

ISO 8624, *Ophthalmic optics — Spectacle frames — Measuring system and terminology*

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, *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 8980-5, *Ophthalmic optics — Uncut finished spectacle lenses — Part 5: Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant*

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

ISO 14889:2003, *Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses*

3 Terms and definitions

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