

AS/NZS ISO 8980.2:2011

ISO 8980-2:2004

ISO 8980-2:2004/Cor.1:2006

AS/NZS ISO 8980.2:2011

Australian/New Zealand Standard™

**Ophthalmic optics—Uncut finished  
spectacle lenses**

**Part 2: Specifications for progressive  
power lenses**



## **AS/NZS ISO 8980.2:2011**

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 This Standard replaces relevant text in AS 2228.1—1992, which is intended to be withdrawn by February 2012.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 the optical and geometrical properties for uncut finished progressive lenses.

This Standard is identical with, and has been reproduced from ISO 8980-2:2004, *Ophthalmic optics—Uncut finished spectacle lenses—Part 2: Specifications for progressive power lenses* and its Corrigendum, ISO 8980-2:2004/Cor.1:2006, which has been added after the source text.

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

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- (b) In the source text ‘this part of ISO 8980’ should read ‘this part of AS/NZS ISO 8980’.
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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
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 — Uncut finished spectacle lenses —

## Part 2: Specifications for progressive power lenses

### 1 Scope

This part of ISO 8980 specifies requirements for the optical and geometrical properties for uncut finished progressive spectacle lenses.

### 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 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 as well as the following apply.

#### 3.1

##### **focimeter, focal point on axis**

##### **FOA focimeter**

focimeter in which the focal point of the focimeter remains on the axis of the focimeter when the lens under test is measured at a point of the lens where prism is not zero

See Figure 1.

NOTE Examples of this design include all manual focusing focimeters and some automatic focimeters.

#### 3.2

##### **focimeter, infinite on axis**

##### **IOA focimeter**

focimeter in which the collimated beam coincides with the focimeter axis and the focal point of the focimeter goes off the axis of the focimeter when the lens under test is measured at a point of the lens where the prism is not zero