

AS/NZS ISO 16034:2011

ISO 16034:2002

ISO 16034:2002/Cor.1:2006

AS/NZS ISO 16034:2011

Australian/New Zealand Standard™

**Ophthalmic optics—Specifications for
single-vision ready-to-wear near-vision
spectacles**



AS/NZS ISO 16034:2011

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 This Standard replaces relevant text in AS 2228.1—1992, which is intended to be withdrawn by February 2012.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 the Standard is to specify the minimum requirements for complete single-vision ready to near wear vision spectacles.

This Standard is identical with, and has been reproduced from ISO 16034:2002, *Ophthalmic optics—Specifications for single-vision ready-to-wear near-vision spectacles*, and its Corrigendum, ISO 16034:2002/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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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS ISO	
8624	Ophthalmic optics—Spectacle frames—Measuring systems 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
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.

AUSTRALIAN/NEW ZEALAND STANDARD

Ophthalmic optics — Specifications for single-vision ready-to-wear near-vision spectacles**1 Scope**

This International Standard specifies the minimum requirements for complete single-vision ready-to-wear near-vision spectacles. These spectacles are not intended for regular use without the approval of an eyecare professional.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 7998:1984, *Optics and optical instruments — Spectacle frames — Vocabulary and lists of equivalent terms*

ISO 8624:1991, *Optics and optical instruments — Ophthalmic optics — Measuring system for spectacle frames*

ISO 8980-1:1996, *Ophthalmic optics — Uncut finished spectacle lenses — Part 1: Specifications for single-vision and multifocal lenses*

ISO 12870:1997, *Ophthalmic optics — Spectacle frames — General requirements and test methods*

ISO 13666:1998, *Ophthalmic optics — Spectacle lenses — Vocabulary*

ISO 14889:1997, *Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses*

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 7998 and in ISO 13666 and the following apply.

3.1**single-vision ready-to-wear near-vision spectacles**

spectacles intended for near-vision and reading use only, having or incorporating a pair of single-vision lenses of equal positive spherical power in which the glazing has not been carried out in direct response to a written prescription by a qualified practitioner

4 Performance requirements

The tolerances shall apply at a temperature of $23\text{ °C} \pm 5\text{ °C}$.