

Ophthalmic optics - Uncut finished spectacle lenses -
Part 1: Specifications for single-vision and multifocal
lenses ((ISO 8980-1:2017))

EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN ISO 8980-1:2017 sisaldab Euroopa standardi EN ISO 8980-1:2017 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 8980-1:2017 consists of the English text of the European standard EN ISO 8980-1:2017.
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EUROPEAN STANDARD

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English Version

**Ophthalmic optics - Uncut finished spectacle lenses - Part
1: Specifications for single-vision and multifocal lenses
(ISO 8980-1:2017)**

Optique ophtalmique - Verres de lunettes finis non
détourés - Partie 1: Spécifications pour les verres
unifocaux et multifocaux (ISO 8980-1:2017)

Augenoptik - Rohkantige fertige Brillengläser - Teil 1:
Anforderungen an Ein- und Mehrstärkengläser (ISO
8980-1:2017)

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 8980-1:2017) has been prepared by Technical Committee ISO/TC 172 "Optics and photonics" in collaboration with Technical Committee CEN/TC 170 "Ophthalmic optics" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 8980-1:2017 has been approved by CEN as EN ISO 8980-1:2017 without any modification.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	1
5 Requirements	2
5.1 Reference temperature.....	2
5.2 Optical requirements.....	2
5.2.1 General.....	2
5.2.2 Back vertex power.....	2
5.2.3 Direction of the cylinder axis.....	2
5.2.4 Addition power for multifocal lenses.....	3
5.2.5 Prismatic power.....	3
5.2.6 Prism base setting.....	4
5.3 Geometrical requirements.....	4
5.3.1 Requirements for size and thickness.....	4
5.3.2 Requirements on segment dimensions for multifocal lenses.....	5
5.4 Orientation requirement for polarizing lenses.....	5
6 Verification methods	5
6.1 General.....	5
6.2 Verification method for back vertex power.....	5
6.3 Verification method for the direction of the cylinder axis.....	5
6.3.1 General.....	5
6.3.2 Single-vision lenses.....	5
6.3.3 Multifocal lenses.....	5
6.4 Verification method for prismatic power.....	6
6.4.1 General.....	6
6.4.2 Single-vision lenses (excluding position-specific single-vision lenses).....	6
6.4.3 Position-specific single-vision lenses.....	6
6.4.4 Multifocal lenses.....	6
6.5 Verification method for addition power.....	6
6.5.1 General.....	6
6.5.2 Procedure.....	6
6.6 Verification method for segment size.....	7
6.7 Inspection method for material and surface quality.....	7
7 Marking requirements for single-vision lenses	7
7.1 Position-specific single-vision lenses.....	7
7.2 Polarizing lenses.....	7
8 Identification and information	8
9 Reference to this document	8
Annex A (informative) Material and surface quality	9
Bibliography	10

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This fourth edition cancels and replaces the third edition (ISO 8980-1:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 8980-1:2004/Cor.1:2006.

A list of all parts in the ISO 8980 series can be found on the ISO website.

Ophthalmic optics — Uncut finished spectacle lenses —

Part 1:

Specifications for single-vision and multifocal lenses

1 Scope

This document specifies requirements and verification methods for the optical and geometrical properties for uncut finished single-vision and multifocal spectacle lenses.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 8598-1, *Optics and optical instruments — Focimeters — Part 1: General purpose instruments*

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

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

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

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 ISO 21987 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Classification

Uncut finished lenses are classified as follows:

- a) single-vision finished lenses;
- b) multifocal finished lenses;
- c) power-variation finished lenses.