SLOVENSKI STANDARD
SIST EN ISO 8980-1:2017

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Nadomešča:
SIST EN ISO 8980-1:2004
SIST EN ISO 8980-1:2004/AC:2006

Očesna optika - Nebrušena zglajena stekla očal - 1. del: Specifikacije za enogoriščna in večgoriščna stekla (ISO 8980-1:2017)

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

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

Ta slovenski standard je istoveten z: **EN ISO 8980-1:2017**

ICS:

11.040.70	Oftalmološka oprema	Ophthalmic equipment

SIST EN ISO 8980-1:2017 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 8980-1

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ICS 11.040.70

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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)

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This European Standard was approved by CEN on 26 May 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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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of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.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.

INTERNATIONAL STANDARD

ISO 8980-1

Fourth edition
2017-07

Ophthalmic optics — Uncut finished spectacle lenses —

Part 1: Specifications for single-vision and multifocal lenses

Optique ophtalmique — Verres de lunettes finis non détourés —
Partie 1: Spécifications pour les verres unifocaux et multifocaux

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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.