

<b>STN</b>	<b>Očná optika</b> <b>Hotové okuliarové šošovky s neobrúseným okrajom</b> <b>Časť 1: Špecifikácia jednoduchých a bifokálnych</b> <b>šošoviek (ISO 8980-1: 2017)</b>	<b>STN</b> <b>EN ISO 8980-1</b>  19 0570
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Ophthalmic optics - Uncut finished spectacle lenses - Part 1: Specifications for single-vision and multifocal lenses (ISO 8980-1:2017)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/18

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EUROPEAN STANDARD

**EN ISO 8980-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

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Supersedes EN ISO 8980-1:2004

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 détournés - 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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## 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of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.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.

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**Ophthalmic optics — Uncut finished  
spectacle lenses —**

Part 1:  
**Specifications for single-vision and  
multifocal lenses**

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





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Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
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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](http://www.iso.org/directives)).

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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](http://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*

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