

STN	Očná optika Skúšanie zrakovkej ostrosti Normalizované a klinické optotypy a ich zobrazenie (ISO 8596: 2017)	STN EN ISO 8596 19 5010
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Ophthalmic optics - Visual acuity testing -- Standard and clinical optotypes and their presentation (ISO 8596:2017)

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. 06/18

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EUROPEAN STANDARD

EN ISO 8596

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English Version

Ophthalmic optics - Visual acuity testing -- Standard and clinical optotypes and their presentation (ISO 8596:2017)

Optique ophtalmique - Mesure de l'acuité visuelle -
Optotype normalisé et optotypes cliniques et leur
présentation (ISO 8596:2017)

Augenoptik - Sehschärfepfung - Normsehzeichen
und klinische Sehzeichen und ihre Darbietung (ISO
8596:2017)

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EN ISO 8596:2018 (E)

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European foreword

This document (EN ISO 8596:2018) 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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.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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According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 8596:2017 has been approved by CEN as EN ISO 8596:2018 without any modification.

INTERNATIONAL STANDARD

ISO 8596

Third edition
2017-11

Ophthalmic optics — Visual acuity testing — Standard and clinical optotypes and their presentation

*Optique ophtalmique — Mesure de l'acuité visuelle — Optotype
normalisé et optotypes cliniques et leur présentation*



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ISO 8596:2017(E)

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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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 third edition cancels and replaces the second edition (ISO 8596:2009), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a) restructuring of technical content into the [Clauses 4](#) and [6](#) has been applied;
- b) terms and definitions with the terms standard optotype, clinical optotype, visual acuity, and the systems decimal visual acuity, Snellen fraction, LogMAR acuity, and visual acuity grade have been added;
- c) Snellen fraction values in [Table 1](#) have been added;
- d) [Figure 2](#) has been added;
- e) [Annex A](#) has been added.

Ophthalmic optics — Visual acuity testing — Standard and clinical optotypes and their presentation

1 Scope

This document specifies a range of Landolt ring optotypes and describes a method for measuring distance visual acuity under photopic conditions for the purposes of certification or licensing.

This document is neither intended as a standard for clinical measurements nor for the certification of blindness or partial sight.

Other optotypes used for clinical investigations are described in [Annex A](#) for information.

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 3:1973, *Preferred numbers — Series of preferred numbers*

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