



SLOVENSKI STANDARD SIST EN ISO 10322-2:2016

01-junij-2016

Nadomešča:

SIST EN ISO 10322-2:2006

Očesna optika - Napol zgotovljena stekla očal - 2. del: Specifikacije za povečanje ali zmanjšanje jakosti stekel očal (ISO 10322-2:2016)

Ophthalmic optics - Semi-finished spectacle lens blanks - Part 2: Specifications for progressive-power and degressive-power lens blanks (ISO 10322-2:2016)

Augenoptik - Einseitig fertige Brillenglasblanks - Teil 2: Anforderungen an Gleitsicht-Brillenglasblanks (ISO 10322-2:2016)

Optique ophtalmique - Verres de lunettes semi-finis - Partie 2: Spécifications pour les verres progressifs et dégressifs (ISO 10322-2:2016)

Ta slovenski standard je istoveten z: EN ISO 10322-2:2016

ICS:

11.040.70 Oftalmološka oprema Ophthalmic equipment

SIST EN ISO 10322-2:2016 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10322-2:2016](#)

<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>

EUROPEAN STANDARD

EN ISO 10322-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 11.040.70

Supersedes EN ISO 10322-2:2006

English Version

Ophthalmic optics - Semi-finished spectacle lens blanks - Part 2: Specifications for progressive-power and degressive-power lens blanks (ISO 10322-2:2016)

Optique ophtalmique - Verres de lunettes semi-finis -
Partie 2: Spécifications pour les verres progressifs et
dégressifs (ISO 10322-2:2016)

Augenoptik - Einseitig fertige Brillenglasblanks - Teil 2:
Anforderungen an Gleitsicht-Brillenglasblanks und
Brillenglasblanks für degressive Brillengläser (ISO
10322-2:2016)

This European Standard was approved by CEN on 2 January 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European Foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10322-2:2016](https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016)
<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>

European Foreword

This document (EN ISO 10322-2:2016) 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 September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

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

This document supersedes EN ISO 10322-2:2006.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

[https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-](https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da9f3a0d/sist-en-iso-10322-2-2016)

The text of ISO 10322-2:2016 has been approved by CEN as EN ISO 10322-2:2016 without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 10322-2:2016

<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>

INTERNATIONAL
STANDARD

ISO
10322-2

Fourth edition
2016-03-01

**Ophthalmic optics — Semi-finished
spectacle lens blanks —**

**Part 2:
Specifications for progressive-power
and degressive-power lens blanks**

iTeh STANDARD PREVIEW
*Optique ophtalmique — Verres de lunettes semi-finis —
Partie 2: Spécifications pour les verres progressifs et dégressifs*
(standards.iteh.ai)

[SIST EN ISO 10322-2:2016](https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016)

<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>



Reference number
ISO 10322-2:2016(E)

© ISO 2016

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 10322-2:2016](https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016)

<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	1
5 Requirements	1
5.1 General.....	1
5.2 Optical requirements for the finished surface.....	1
5.2.1 General.....	1
5.2.2 Tolerances on the surface power.....	2
5.2.3 Tolerances on the surface addition power for progressive-power lens blanks.....	2
5.3 Geometrical tolerances.....	2
5.3.1 Tolerances on the size.....	2
5.3.2 Tolerances on thickness.....	3
5.4 Orientation requirement for polarizing lens blanks.....	3
6 Test methods	3
6.1 General.....	3
6.2 Determination of surface power.....	3
6.3 Surface addition power measurement for progressive-power lens blanks.....	3
6.3.1 General.....	3
6.3.2 Measurement.....	4
6.4 Inspection method for material and surface quality.....	4
7 Marking and identification	4
7.1 Marking.....	4
7.1.1 Permanent marking.....	4
7.1.2 Optional non-permanent marking.....	4
7.2 Identification required on the package.....	4
7.3 Information to be made available.....	5
8 Reference to this part of ISO 10322	5
Annex A (informative) Material and surface quality	6
Annex B (informative) Conversion of surface power tolerances from the refractive index of the lens blank to that of an instrument's fixed reference	7
Annex C (informative) Addition power measurement by transmission	8
Bibliography	9

ISO 10322-2:2016(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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This fourth edition cancels and replaces the third edition (ISO 10322-2:2006), which has been technically revised.

ISO 10322 consists of the following parts, under the general title *Ophthalmic optics — Semi-finished spectacle lens blanks*:

- *Part 1: Specifications for single-vision and multifocal lens blanks*
- *Part 2: Specifications for progressive-power and degressive-power lens blanks*

Introduction

Compared with previous editions of this part of ISO 10322, the scope now includes degressive-power semi-finished lens blanks.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10322-2:2016](https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016)

<https://standards.iteh.ai/catalog/standards/sist/66f40b64-35d3-433d-87ac-df33da93a0d/sist-en-iso-10322-2-2016>