SLOVENSKI STANDARD
SIST EN ISO 11715-1:2000

01-januar-2000

Oļ esna optika - Oblika datotek s ģteviļ nimi podatki, ki se uporabljajo za prenos podatkov za profiliranje stekel oļ al - 1. del: Dvodimenzionalni iskalci (ISO 11715-1:1998)

Ophthalmic optics - Format of digital data files for data transfer for profiling of spectacle lenses - Part 1: Two-dimensional tracers (ISO 11715-1:1998)

Augenoptik - Format von digitalen Datensätzen für den Datenaustausch zum Randen von Brillengläsern - Teil 1: Zweidimensionale Tracer (ISO 11715-1:1998)

Optique ophtalmique - Format fichiers numériques utilisés pour le transfert d'information en façonnage des verres de lunettes - Partie 1: Palpeurs bidimensionnels (ISO 11715-1:1998)

Ta slovenski standard je istoveten z: **EN ISO 11715-1:1998**

ICS:

11.040.70	Oftalmološka oprema	Ophthalmic equipment

SIST EN ISO 11715-1:2000 **en**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11715-1

July 1998

ICS

Descriptors: see ISO document

English version

Ophthalmic optics - Format of digital data files for data transfer for profiling of spectacle lenses - Part 1: Two-dimensional tracers (ISO 11715-1:1998)

Optique ophtalmique - Format fichiers numériques utilisés pour le transfert d'information en façonnage des verres de lunettes - Partie 1: Palpeurs bidimensionnels (ISO 11715-1:1998)

Augenoptik - Format von digitalen Datensätzen für den Datenaustausch zum Randen von Brillengläsern - Teil 1: Zweidimensionale Tracer (ISO 11715-1:1998)

This European Standard was approved by CEN on 24 May 1998.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Ref. No. EN ISO 11715-1:1998 E

Foreword

The text of the International Standard ISO 11715-1:1998 has been prepared by Technical Committee ISO/TC 172 "Optics and optical instruments" 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 January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

International Standard ISO 11715 consists of the following parts, under the general title

Ophthalmic optics - Format of digital data files for data transfer for the profiling of spectacle lenses

Part 1 : Two dimensional tracers
Part 2: Three dimensional tracers

Annexes A and B are for information only.

Endorsement notice

The text of the International Standard ISO 11715-1:1998 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

ANNEX ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

Publication	Year	Title	EN	Year
ISO 8429	1986	Optics and optical instruments - Ophthalmology - Graduated dial scale	EN ISO 8429	1996
ISO 8624	1991	Optics and optical instruments - Ophthalmic optics - Measuring system for spectacle frames	EN ISO 8624	1996
ISO 11380	1994	Optics and optical instruments - Ophthalmic optics - Formers	EN ISO 11380	1996

INTERNATIONAL STANDARD

ISO 11715-1

First edition
1998-07-01

Ophthalmic optics — Format of digital data files for data transfer for the profiling of spectacle lenses —

Part 1:
Two-dimensional tracers

Optique ophtalmique — Format fichiers numériques utilisés pour le transfert d'information en façonnage des verres de lunettes —

Partie 1: Palpeurs bidimensionnels

Reference number
ISO 11715-1:1998(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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11715 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

International Standard ISO 11715 consists of the following parts, under the general title: *Ophthalmic optics — Format of digital data files for data transfer for the profiling of spectacle lenses*

— *Part 1: Two-dimensional tracers*

— *Part 2: Three-dimensional tracers*

Annexes A and B of this part of ISO 11715 are for information only.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Ophthalmic optics — Format of digital data files for data transfer for the profiling of spectacle lenses —

Part 1:
Two-dimensional tracers

1 Scope

This part of ISO 11715 specifies the content and structure of electronic data encoding for two-dimensional tracers. These data files are used to instruct electronically controlled formerless spectacle-lens profiling machinery.

NOTE The electronic data files are used as an alternative to the mechanical formers specified in ISO 11380.

2 Normative references

The following International Standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11715. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11715 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 646:1991, *Information technology — ISO 7-bit coded character set for information interchange.*

ISO/IEC 2022:1994, *Information technology — Character code structure and extension techniques.*

ISO 8429:1986, *Optics and optical instruments — Ophthalmology — Graduated dial scale.*

ISO 8624:1991, *Optics and optical instruments — Ophthalmic optics — Measuring system for spectacle frames.*

ISO 11380:1994, *Optics and optical instruments — Ophthalmic optics — Formers.*

ISO 13666: — [1], *Ophthalmic optics — Spectacle lenses — Vocabulary.*

3 Definitions

For the purposes of this part of ISO 11715, the definitions given in ISO 13666 and the following definitions apply:

3.1
tracer
device to measure the spectacle lens size of spectacle frames

[see ISO 11380: 1994, 2.1]

[1] To be published.