

SLOVENSKI STANDARD

SIST EN ISO 7711-2:2011

01-oktober-2011

Nadomešča:
SIST EN ISO 7711-2:2000

Zobozdravstvo - Diamantni vrtilni instrumenti - 2. del: Diski (ISO 7711-2:2011)

Dentistry - Rotary diamond instruments - Part 2: Discs (ISO 7711-2:2011)

Zahnärztliche rotierende Instrumente - Diamantinstrumente - Teil 2: Scheiben (ISO 7711-2:2011)

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Art dentaire - Instruments rotatifs diamantés - Partie 2: Disques (ISO 7711-2:2011)

[SIST EN ISO 7711-2:2011](#)

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<http://www.sist.si/standardi/8635002a98f6/sist-en-iso-7711-2-2011>

ICS:

11.060.25 Zobotehnični instrumenti Dental instruments

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 7711-2

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ICS 11.060.20

Supersedes EN ISO 7711-2:1995

English Version

Dentistry - Rotary diamond instruments - Part 2: Discs (ISO
7711-2:2011)

Médecine bucco-dentaire - Instruments rotatifs diamantés -
Partie 2: Disques (ISO 7711-2:2011)

Zahnheilkunde - Rotierende Diamantinstrumente - Teil 2:
Scheiben (ISO 7711-2:2011)

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Foreword

This document (EN ISO 7711-2:2011) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" 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of an identical text or by endorsement, at the latest by January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

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 7711-2:1995.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 7711-2:2011 has been approved by CEN as a EN ISO 7711-2:2011 without any modification.

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INTERNATIONAL STANDARD

ISO
7711-2

Second edition
2011-07-01

Dentistry — Rotary diamond instruments —

Part 2: Discs

Médecine bucco-dentaire — Instruments rotatifs diamantés —
iTeh STANDARD PREVIEW
Partie 2: Disques
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 7711-2 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This second edition cancels and replaces the first edition (ISO 7711-2:1992), which has been technically revised. The changes are the following:

- a) inclusion of general requirements for all discs used commonly in the dental laboratory;
- b) bore diameter for unmounted discs harmonized with other International Standards to 1,7 mm;
- c) replacement of inner diameter of diamond covered area by width of diamond coating;
- d) addition of labelling requirements.

SIST EN ISO 7711-2:2011
ISO 7711 consists of the following parts, under the general title *Dentistry — Rotary diamond instruments*:
https://standards.iec.ch/catalog/standards/sist_eniso7711-2-2011

- *Part 1: Dimensions, requirements, marking and packaging*¹⁾
- *Part 2: Discs*
- *Part 3: Grit sizes, designation and colour code*

1) The intent is for the main element of the title of Parts 1 and 3 to be aligned, upon revision, with the main element of the title of Part 2.

Dentistry — Rotary diamond instruments —

Part 2: Discs

1 Scope

This part of ISO 7711 specifies requirements for diamond discs used commonly in the dental laboratory for the cutting of dental materials, such as metals, ceramics, plastics or gypsum.

In addition, this part of ISO 7711 selects five specific shapes with their specific dimensions.

2 Normative references

The following referenced documents are indispensable for the application 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 1797-1, *Dentistry — Shanks for rotary instruments — Part 1: Shanks made of metals*

ISO 1942, *Dentistry — Vocabulary*
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ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

ISO 7711-3, *Dentistry — Diamond rotary instruments — Part 3: Grit sizes, designation and colour code*
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ISO 8325:2004, *Dentistry — Test methods for rotary instruments*

3 Terms, definitions and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and ISO 7711-3 and the following apply.

3.1.1

diamond disc

disc partially or totally covered with diamond grit

3.1.2

disc

working part of a rotary instrument with flat round shape, which is intended to be mounted on a shank intended for use in the dental laboratory for the cutting of dental materials, such as metals, ceramics, plastics or gypsum

NOTE For shank, see Figure 1.

3.1.3

disc blank

disc plate without diamond grit