

# **SLOVENSKI STANDARD**

## **SIST EN ISO 7711-3:2005**

**01-marec-2005**

**Nadomešča:**

**SIST EN ISO 7711-3:2000**

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**Zobozdravstvo – Diamantni vrtilni instrumenti - 3. del: Mere, označbe in kode barv  
(ISO 7711-3:2004)**

Dentistry - Diamond rotary instruments - Part 3: Grit sizes, designation and colour code  
(ISO 7711-3:2004)

Zahnheilkunde - Rotierende Diamantinstrumente - Teil 3: Korngrößen, Bezeichnung und  
Farbkennzeichnung (ISO 7711-3:2004)

Art dentaire - Instruments rotatifs diamantés - Partie 3: Tailles des grains, désignation et  
code de couleur (ISO 7711-3:2004)

**Ta slovenski standard je istoveten z: EN ISO 7711-3:2004**

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**ICS:**

01.070	Barvno kodiranje	Colour coding
11.060.25	Zobotehnični instrumenti	Dental instruments

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**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 7711-3**

November 2004

ICS 01.070; 11.060.20

Supersedes EN ISO 7711-3:1995

English version

**Dentistry - Diamond rotary instruments - Part 3: Grit sizes,  
designation and colour code (ISO 7711-3:2004)**

Art dentaire - Instruments rotatifs diamantés - Partie 3:  
Tailles des grains, désignation et code de couleur (ISO  
7711-3:2004)

Zahnheilkunde - Rotierende Diamantinstrumente - Teil 3:  
Korngrößen, Bezeichnung und Farbkennzeichnung (ISO  
7711-3:2004)

This European Standard was approved by CEN on 14 October 2004.

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.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

**EN ISO 7711-3:2004 (E)****Foreword**

This document (EN ISO 7711-3:2004) 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document supersedes EN ISO 7711-3:1995.

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

**Endorsement notice**

The text of ISO 7711-3:2004 has been approved by CEN as EN ISO 7711-3:2004 without any modifications.

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# INTERNATIONAL STANDARD

**ISO**  
**7711-3**

Second edition  
2004-11-01

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## Dentistry — Diamond rotary instruments —

### Part 3: Grit sizes, designation and colour code

*Art dentaire — Instruments rotatifs diamantés —*

*Partie 3: Tailles des grains, désignation et code de couleur*

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## ISO 7711-3:2004(E)

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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 7711-3 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This second edition cancels and replaces the first edition (ISO 7711-3:1992), which has been technically revised to include the following changes:

- a) reduction from 7 classes for the colour code to 6 classes (deletion of “very fine”);
- b) introduction of an abbreviation for the colour code.

ISO 7711 consists of the following parts, under the general title *Dentistry — Diamond rotary instruments*:

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

**ISO 7711-3:2004(E)****Introduction**

The first edition of this part of ISO 7711 was published in 1992. It was the first attempt to group the diamond grit used for dental rotary instruments and to specify a designation and a colour code for the grit size areas. The rapid development of the use of diamond grit for dental instruments and the possibility of refined separation and thus a clearer classification of diamond grit necessitated a revision of this part of ISO 7711.

This revision offers the opportunity to provide abbreviations for the terms used, to align them with similar standards for dental rotary instruments.

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# Dentistry — Diamond rotary instruments —

## Part 3: Grit sizes, designation and colour code

### 1 Scope

This part of ISO 7711 specifies the designation, colour code and grit sizes for diamond rotary instruments which are used commonly in a dental surgery. It applies to all types of dental diamond rotary instruments independent of type and shape.

NOTE Attention is drawn to ISO 6360 which specifies a number coding system for the identification of dental rotary instruments of all types.

### 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 6106, *Abrasive products — Checking the grit size of superabrasives*

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### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **macrogrit**

grit with grain size distribution which is determined by sieving

#### 3.2

##### **microgrit**

grit with grain size distribution which is determined by sedimentation

### 4 Designation, colour code, grit sizes

#### 4.1 Designation

The designation of the diamond instruments in regard to the fineness of the diamond grit used shall conform with the designation given in Table 1.

#### 4.2 Colour code

The colour code complements the designation. Usage of the colour code is optional, at the discretion of the manufacturer. If colour coding is used, the colours shall be those specified in Table 1.

The location on the diamond instrument where the colour is applied is at the discretion of the manufacturer.