

**Pöörlevad hambaraviinstrumendid.
Laboris kasutatavad
abrasiivinstrumendid**

Dental rotary instruments - Laboratory abrasive
instruments

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 7786:2001 sisaldab Euroopa standardi EN ISO 7786:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.12.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 7786:2001 consists of the English text of the European standard EN ISO 7786:2001.</p> <p>This document is endorsed on 19.12.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala:</p> <p>The standard specifies dimensional and other relevant requirements for the six most commonly available shapes of ceramic bonded abrasive instruments used for grinding in the dental laboratory, including a quality control and specifications for labelling of these instruments.</p>	<p>Scope:</p> <p>The standard specifies dimensional and other relevant requirements for the six most commonly available shapes of ceramic bonded abrasive instruments used for grinding in the dental laboratory, including a quality control and specifications for labelling of these instruments.</p>
---	---

ICS 11.060.20

Võtmesõnad: abrasiivid, hambaraviaparatuur, mõõtmed, pöörlevalt lõikavad hambaraviinstrumendid, stomatoloogia, tehnilised andmed

English version

Dental rotary instruments

Laboratory abrasive instruments
(ISO 7786 : 2001)

Instruments rotatifs dentaires –
Instruments abrasifs de laboratoire
(ISO 7786 : 2001)

Rotierende Dentalinstrumente –
Laborschleifinstrumente
(ISO 7786 : 2001)

This European Standard was approved by CEN on 2001-04-01.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Contents

Page

Foreword	2
Introduction	3
1 Scope	3
2 Normative references	3
3 Symbols	3
4 Requirements	3
4.1 Materials	3
4.2 Shapes	4
4.3 Dimensions	4
4.4 Specifications for dental laboratory abrasive instruments	4
4.5 Run-out	9
5 Test procedures	9
5.1 Shapes	9
5.2 Dimensions	9
5.3 Run-out	9
6 Sampling and acceptance level (AQL)	9
7 Manufacturer's instructions	10
8 Marking on abrasive instruments	10
9 Labelling	10
10 Packaging	10
Bibliography	10

Foreword

International Standard

ISO 7786 : 2001 Dental rotary instruments – Laboratory abrasive instruments, which was prepared by ISO/TC 106 'Dentistry' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 55 'Dentistry', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by October 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 7786 : 2001 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative.)

Introduction

This International Standard is one of a series of standards relating to dental rotary instruments.

This International Standard contains the specifications for laboratory abrasive instruments. The various dimensional and other requirements specified for laboratory abrasive instruments are those considered important to ensure the interchangeability and safe usage of these grinding instruments in the dental laboratory.

The nominal diameters of the working part listed in Tables 1 to 10 comply with the diameters specified in ISO 2157.

Attention is drawn to the ISO 6360 series, which specifies a 15-digit numbering system for the identification of dental rotary instruments of all types.

1 Scope

This International Standard specifies dimensional and other relevant requirements for the six most commonly available shapes of ceramic bonded abrasive instruments used for grinding in the dental laboratory, including a quality control and specifications for labelling of these instruments.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1797-1, *Dental rotary instruments — Shanks — Part 1: Shanks made of metals*.

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*.

ISO 6360-2, *Dental rotary instruments — Number coding system — Part 2: Shape and specific characteristics*.

ISO 8325:1985, *Dental rotary instruments — Test methods*.

3 Symbols

For the purposes of this International Standard, the following symbols apply.

d diameter of working part, head diameter;

l_1 length of working part, head length;

l_2 overall length;

α angle of the working part.

4 Requirements

4.1 Materials

4.1.1 Working part

The working part shall be made of abrasive materials. The selection of the type and the treatment of the abrasive material shall be left to the discretion of the manufacturer.