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Irish Standard
I.S. EN ISO 7787-2:2020

Dentistry - Laboratory cutters - Part 2: Carbide laboratory cutters (ISO 7787-2:2020)

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 7787-2

March 2020

ICS 11.060.20

Supersedes EN ISO 7787-2:2000

English Version

Dentistry - Laboratory cutters - Part 2: Carbide laboratory cutters (ISO 7787-2:2020)

Médecine bucco-dentaire - Fraises de laboratoire - Partie 2: Fraises de laboratoire en carbure (ISO 7787-2:2020)

Zahnheilkunde - Laborfräser - Teil 2: Laborfräser aus Hartmetall (ISO 7787-2:2020)

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European foreword **3**

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European foreword

This document (EN ISO 7787-2:2020) 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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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INTERNATIONAL STANDARD

ISO 7787-2

Fifth edition
2020-02

Dentistry — Laboratory cutters —

Part 2: Carbide laboratory cutters

Médecine bucco-dentaire — Fraises de laboratoire —

Partie 2: Fraises de laboratoire en carbure

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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.

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).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This fifth edition cancels and replaces the fourth edition (ISO 7787-2:2000), which has been technically revised. The main changes compared to the previous edition are as follows:

— normative references have been updated;

— definitions have been added;

— classification has been added as Clause 5;

— a requirement for designation of cutter blades and number of blades has been moved from the main body of this document to Annex A (now optional and for reference only).

A list of all parts in the ISO 7787 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document is part of a series of international standards relating to dental rotary instruments.

The various dimensional and other requirements specified for carbide laboratory cutters are those considered important to ensure the interchangeability of these instruments.

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Dentistry — Laboratory cutters —

Part 2: Carbide laboratory cutters

1 Scope

This document specifies dimensional and other requirements for the 11 most commonly used carbide cutters which are predominantly used in the dental laboratory.

NOTE These cutters are also used in podiatry.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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, *Dentistry — Shanks for rotary and oscillating instruments*

ISO 1942, *Dentistry — Vocabulary*

ISO 2157, *Dentistry — Nominal diameters and designation code numbers for rotary instruments*

ISO 8325, *Dentistry — Test methods for rotary instruments*

ISO 15223-1, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
laboratory cutter
rotary cutting instrument designed for use with dental materials in the dental laboratory

3.2
dental laboratory
facility where dental technical procedures complementing dental clinical treatment are carried out

[SOURCE: ISO 1942:2009, 2.77]

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