



NSAI
Standards

Irish Standard
I.S. EN ISO 7492:2019

Dentistry - Dental explorer (ISO 7492:2019)

I.S. EN ISO 7492:2019

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National Foreword

I.S. EN ISO 7492:2019 is the adopted Irish version of the European Document EN ISO 7492:2019, Dentistry - Dental explorer (ISO 7492:2019)

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EUROPEAN STANDARD

EN ISO 7492

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 11.060.20

Supersedes EN ISO 7492:2018

English Version

Dentistry - Dental explorer (ISO 7492:2019)

Médecine bucco-dentaire - Sondes exploratrices
dentaires (ISO 7492:2019)

Zahnheilkunde - Zahnsonde (ISO 7492:2019)

This European Standard was approved by CEN on 27 March 2019.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EN ISO 7492:2019 (E)

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European foreword

This document (EN ISO 7492:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 7492:2018.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 7492:2019 has been approved by CEN as EN ISO 7492:2019 without any modification.

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INTERNATIONAL STANDARD

**ISO
7492**

Fourth edition
2019-03

Dentistry — Dental explorer

Médecine bucco-dentaire — Sondes exploratrices dentaires



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ISO 7492:2019(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.

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 fourth edition cancels and replaces the third edition (ISO 7492:2018), of which it constitutes a minor revision.

The main changes compared to the previous edition are as follows:

- recommendation for maximum length of a dental explorer was reduced from 178 mm to 173 mm in [4.3](#);
- 4.6.2 of the previous edition was removed, because it did not apply to explorers, and handle surface finish was already defined in paragraphs 1 and 2 of 4.6.1 of the previous edition;
- sentence 1 of paragraph 2 of [4.7](#) was removed because reflective coatings are not an applicable property of explorers;
- requirement for UDI code was added in [Clause 6](#).

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.

Dentistry — Dental explorer

1 Scope

This document specifies the dimensions and performance requirements for dental explorers.

This document is not applicable to endodontic explorers.

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 1942, *Dentistry — Vocabulary*

ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method*

ISO 7153-1, *Surgical instruments — Materials — Part 1: Metals*

ISO 17664, *Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices*

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/>

3.1.1

dental explorer

handheld dental instrument with a pointed tip designed for tactile examination of tooth surfaces

Note 1 to entry: See [Figure 1](#).

Note 2 to entry: Dental explorer is used to examine teeth for decay (caries), calculus, furcations, or other abnormalities.

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