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Dentistry - Brazing materials (ISO 9333:2022)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/22

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Dentistry - Brazing materials (ISO 9333:2022)Médecine bucco-dentaire - Produits pour brasage (ISO
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Zahnheilkunde - Hartlote (ISO 9333:2022)

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EN ISO 9333:2022 (E)

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European foreword

This document (EN ISO 9333:2022) 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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INTERNATIONAL STANDARD

ISO 9333

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2022-08

Dentistry — Brazing materials

Médecine bucco-dentaire — Produits pour brasage



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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 2, *Prosthetic materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 9333:2006), which has been technically revised.

The main changes are as follows:

- the brazing materials with silver as the main component have been excluded from the scope;
- the definitions in [Clause 3](#) have been clarified and harmonized with ISO 22674;
- the corrosion requirements in [4.4](#) have been harmonized with ISO 22674 and ISO 10271;
- the analysis of corrosion elements has been added as a requirement in [7.4.2](#);
- the melting range requirements ([7.5](#)) have been harmonized with ISO 22674;
- a requirement for a test report has been added as a new [Clause 8](#);
- the IFU requirement for a working temperature has been added in [Clause 9](#);
- the labelling requirement for marking of working temperature has been added in [Clause 10](#) as optional.

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 — Brazing materials

1 Scope

This document specifies the requirements and test methods for dental brazing materials suitable for use in metallic restorations.

Brazing materials with silver as the main component are excluded from this document.

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 6344-3, *Coated abrasives — Determination and designation of grain size distribution — Part 3: Microgrit sizes P240 to P5000*

ISO 10271:2020, *Dentistry — Corrosion test methods for metallic materials*

ISO 15223-1:2021, *Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements*

ISO 22674:2022, *Dentistry — Metallic materials for fixed and removable restorations and appliances*

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