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Dentistry - Brackets and tubes for use in orthodontics (ISO 27020:2019)

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. 10/19

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Dentistry - Brackets and tubes for use in orthodontics (ISO 27020:2019)

Médecine bucco-dentaire - Consoles et tubes utilisés en orthodontie (ISO 27020:2019)

Zahnheilkunde - Brackets und Röhrchen für die Kieferorthopädie (ISO 27020:2019)

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EN ISO 27020:2019 (E)

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European foreword

This document (EN ISO 27020:2019) 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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

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**Dentistry — Brackets and tubes for
use in orthodontics**

Médecine bucco-dentaire — Consoles et tubes utilisés en orthodontie



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ISO 27020:2019(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.

ISO 27020 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*.

This second edition cancels and replaces the first edition ISO 27020:2010, which has been technically revised. The main changes compared to the previous edition are as follows:

- the inclusion of a new corrosion test.

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.

Introduction

This document has been developed as a result of the difficulty often encountered by clinicians to make meaningful comparisons between brackets and tubes using the information currently available from manufacturers and suppliers.

Dentistry — Brackets and tubes for use in orthodontics

1 Scope

This document specifies requirements and test methods to compare the functional dimensions of orthodontic brackets and tubes and their chemical ion release, as well as packaging and labelling information.

This document is applicable to brackets and tubes for use in fixed orthodontic appliances.

This document does not specify specific qualitative and quantitative requirements for freedom from biological hazards; which are covered in ISO 10993-1 and ISO 7405.

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 10271:2011, *Dentistry — Corrosion test methods for metallic materials*

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