

STN	Stomatológia Stopky na rotačné, oscilačné a piestové nástroje (ISO 1797: 2017)	STN EN ISO 1797 85 6004
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Dentistry - Shanks for rotary and oscillating instruments (ISO 1797:2017)

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. 10/17

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English Version

**Dentistry - Shanks for rotary and oscillating instruments
(ISO 1797:2017)**Médecine bucco-dentaire - Queues pour instruments
rotatifs et oscillants (ISO 1797:2017)Zahnheilkunde - Schäfte für rotierende und
oszillierende Instrumente (ISO 1797:2017)

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European foreword

This document (EN ISO 1797:2017) 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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This document supersedes EN ISO 1797-1:2011, EN ISO 1797-2:1995 and EN ISO 1797-3:2013.

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Endorsement notice

The text of ISO 1797:2017 has been approved by CEN as EN ISO 1797:2017 without any modification.

Dentistry — Shanks for rotary and oscillating instruments

*Médecine bucco-dentaire — Queues pour instruments rotatifs et
oscillants*





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

This third edition cancels and replaces ISO 1797-1, ISO 1797-2, and ISO 1797-3, which have been technically revised with the following changes:

- a) combination of three material parts into one International Standard;
- b) reprocessing requirements for plastic shanks have been added;
- c) AQL-values have been deleted;
- d) quality control concept was moved to [Annex A](#).

Dentistry — Shanks for rotary and oscillating instruments

1 Scope

This document specifies the requirements for dimensions and material properties of shanks used in dentistry for rotary or oscillating instruments. It describes the measurement methods for the verification of the requirements.

This document is not applicable to tips fixed to the handpiece with a screw, e.g. scaler tips.

Information about the location of marking is also given. [Annex A](#) on quality control is included in order to ensure a high quality level.

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 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

ISO 1101, *Geometrical product specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

ISO 1942, *Dentistry — Vocabulary*

ISO 3274, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Nominal characteristics of contact (stylus) instruments*

ISO 4288, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Rules and procedures for the assessment of surface texture*

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

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

ISO 14457, *Dentistry — Handpieces and motors*

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