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Standards

Irish Standard
I.S. EN ISO 1797-3:2013

Dentistry - Shanks for rotary instruments - Part 3: Shanks made of ceramics (ISO 1797-3:2013)

I.S. EN ISO 1797-3:2013

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English Version

Dentistry - Shanks for rotary instruments - Part 3: Shanks made of ceramics (ISO 1797-3:2013)

Médecine bucco-dentaire - Queues pour instruments rotatifs - Partie 3: Queues en céramique (ISO 1797-3:2013)

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Foreword

This document (EN ISO 1797-3:2013) 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of an identical text or by endorsement, at the latest by September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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Endorsement notice

The text of ISO 1797-3:2013 has been approved by CEN as EN ISO 1797-3:2013 without any modification.

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**Dentistry — Shanks for rotary
instruments —**

**Part 3:
Shanks made of ceramics**

*Médecine bucco-dentaire — Queues pour instruments rotatifs —
Partie 3: Queues en céramique*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 1797-3 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

ISO 1797 consists of the following parts, under the general title *Dentistry — Shanks for rotary instruments*:

- *Part 1: Shanks made of metals*
- *Part 2: Shanks made of plastics*
- *Part 3: Shanks made of ceramics*

Dentistry — Shanks for rotary instruments —

Part 3: Shanks made of ceramics

1 Scope

This part of ISO 1797 specifies ceramic shanks of rotary instruments used in dentistry and gives measurement methods for the verification of the dimensions.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 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*

3 Terms, definitions and symbols

3.1 Terms and definitions

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

3.1.1

shank

part of the shaft of a rotary instrument used in dentistry which is designed to fit into the chuck of a straight or contra-angle dental handpiece, a technical handpiece or a dental turbine

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