



SLOVENSKI STANDARD
SIST EN ISO 1797-1:2000
01-januar-2000

Dental rotary instruments - Shanks - Part 1: Shanks made of metals (ISO 1797-1:1992)

Dental rotary instruments - Shanks - Part 1: Shanks made of metals (ISO 1797-1:1992)

Zahnärztliche rotierende Instrumente - Schäfte - Teil 1: Schäfte aus Metall (ISO 1797-1:1992)

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Instruments rotatifs dentaires - Queues - Partie 1: Queues en matériaux métalliques (ISO 1797-1:1992)

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Ta slovenski standard je istoveten z: EN ISO 1797-1:1995

ICS:

11.060.25 Zobotehnični instrumenti Dental instruments

SIST EN ISO 1797-1:2000 **en**

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EUROPEAN STANDARD

EN ISO 1797-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1995

ICS 11.060.20

Descriptors: dentistry, dental equipment, dental rotary-cutting instruments, burs(dental), metal products, shanks, classification, specification, dimensions, dimensional measurements

English version

Dental rotary instruments - Shanks - Part 1: Shanks made of metals (ISO 1797-1:1992)

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Instruments rotatifs dentaires - Queues - Zahnärztliche rotierende Instrumente - Schäfte
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been taken over by Technical Committee CEN/TC 55 "Dentistry" from the work of ISO/TC 106 "Dentistry" of the International Standardization Organization (ISO).

ISO 1797 consists of the following parts, under the general title "Dental rotary instruments - Shanks"

- Part 1: Shanks made of metals
- Part 2: Shanks made of plastics

The text was submitted to the Updating Questionnaire Procedure (UQ) and approved as a European Standard.

EN ISO 1797-1 together with EN ISO 1797-2 replaces EN 21797:1989.

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of an identical text or by endorsement, at the latest by August 1995, and conflicting national standards shall be withdrawn at the latest by August 1995.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of the International Standard ISO 1797-1 : 1992 was approved by CEN as a European Standard without any modification.



INTERNATIONAL STANDARD

ISO
1797-1

First edition
1992-02-15

Dental rotary instruments — Shanks —

Part 1:

Shanks made of metals

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Instruments rotatifs dentaires — Queues —

Partie 1: Queues en matériaux métalliques

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Reference number
ISO 1797-1:1992(E)

ISO 1797-1:1992(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.

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.

International Standard ISO 1797-1 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Sub-Committee SC 4, *Dental instruments*.

The first edition of ISO 1797-1, together with ISO 1797-2, cancel and replace the second edition of ISO 1797 published in 1985, of which they constitute a technical revision.

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

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

Annex A of this part of ISO 1797 is for information only.

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Introduction

This International Standard is one of a series of basic standards on dental rotary instruments and constitutes an important link between the standards on dental rotary instruments and those on dental handpieces.

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Dental rotary instruments — Shanks —

Part 1:

Shanks made of metals

1 Scope

This International Standard specifies shanks of dental rotary instruments and gives measurement methods for the verification of the dimensions. A quality control requirement is added in order to ensure a high quality level.

Part 1 of ISO 1797 specifies shanks made of metals while part 2 specifies shanks made of plastics.

ISO 3274:1975, *Instruments for the measurement of surface roughness by the profile method — Contact (stylus) instruments of consecutive profile transformation — Contact profile meters, system M.*

ISO 4288:1985, *Rules and procedures for the measurement of surface roughness using stylus instruments.*

ISO 6507-1:1982, *Metallic materials — Hardness test — Vickers test — Part 1: HV 5 to HV 100.*

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3 Classification

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1797. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1797 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

The shanks of dental rotary instruments are classified into the following types, according to their diameters and design:

Type 1: diameter 2,35 mm with groove and flat;

Type 2: diameter 2,35 mm cylindrical;

Type 3: diameter 1,6 mm cylindrical with conical or rounded end;

Type 4: diameter 3 mm cylindrical.