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Dentistry - Torque transmitter for handpieces (ISO 17509:2016)

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. 03/17

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 17509

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English Version

**Dentistry - Torque transmitter for handpieces (ISO
17509:2016)**

Médecine bucco-dentaire - Transmetteur de couple
pour pièces à main (ISO 17509:2016)

Zahnheilkunde - Drehmomentübertragungsschaft für
Chirurgiewinkelstücke (ISO 17509:2016)

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European foreword

This document (EN ISO 17509:2016) 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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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Endorsement notice

The text of ISO 17509:2016 has been approved by CEN as EN ISO 17509:2016 without any modification.

Dentistry — Torque transmitter for handpieces

Médecine bucco-dentaire — Transmetteur de couple pour pièces à main





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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.

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

Introduction

Based on ISO 13504, this International Standard describes accessories that are inserted into dental handpieces and that impart rotational forces from a dental handpiece to dental implants or their connecting parts.

Dentistry — Torque transmitter for handpieces

1 Scope

This International Standard specifies requirements for torque transmitters to be used in oral implantology in conjunction with a dental handpiece as an accessory in the placement of dental implants and the further manipulation of connecting parts in the craniofacial area.

This International Standard applies to torque transmitters used for placement and for removal in the oral cavity of the patient which are connected to power-driven systems having torque control mechanism, but does not apply to the power-driven systems themselves.

This International Standard does not include the dental implant nor parts that would be connected to it.

With regard to safety, this International Standard gives requirements for classification, intended performance, performance attributes, material selection, performance evaluation, manufacture, reprocessing and information to be supplied by the manufacturer.

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 1797-1, *Dentistry — Shanks for rotary instruments — Part 1: Shanks made of metals*

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 10664, *Hexalobular internal driving feature for bolts and screws*

ISO 13504:2012, *Dentistry — General requirements for instruments and related accessories used in dental implant placement and treatment*

ISO 16443, *Dentistry — Vocabulary for dental implants systems and related procedure*

IEC 62366-1, *Medical devices — Part 1: Application of usability engineering to medical devices*

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