



SLOVENSKI STANDARD
SIST EN ISO 20127:2005
01-junij-2005

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Dentistry - Powered toothbrushes - General requirements and test methods (ISO 20127:2005)

Zahnheilkunde - Elektrische Zahnbürsten - Allgemeine Anforderungen und Prüfverfahren (ISO 20127:2005)

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ICS:

97.170 Oprema za nego telesa Body care equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 20127

March 2005

ICS 97.170

English version

Dentistry - Powered toothbrushes - General requirements and test methods (ISO 20127:2005)

Art dentaire - Brosses à dents électriques - Exigences générales et méthodes d'essai (ISO 20127:2005)

Zahnheilkunde - Physikalische Eigenschaften von elektrischen Zahnbürsten (ISO 20127:2005)

This European Standard was approved by CEN on 14 February 2005.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 20127:2005 (E)**Foreword**

This document (EN ISO 20127:2005) 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of an identical text or by endorsement, at the latest by September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 20127:2005 has been approved by CEN as EN ISO 20127:2005 without any modifications.

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INTERNATIONAL
STANDARD

ISO
20127

First edition
2005-03-15

**Dentistry — Powered toothbrushes —
General requirements and test methods**

*Art dentaire — Broses à dents électriques — Exigences générales et
méthodes d'essai*

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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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 20127 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 7, *Oral hygiene products*.

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ISO 20127:2005(E)

Introduction

Powered toothbrushes are used for the removal of dental plaque and oral debris in order to facilitate oral hygiene.

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Dentistry — Powered toothbrushes — General requirements and test methods

1 Scope

This International Standard specifies requirements and test methods for the physical properties of powered toothbrushes in order to promote the safety of these products for their intended use.

Specifically excluded are other types of powered oral hygiene devices (such as powered interdental brushes) and manual toothbrushes.

2 Normative references

The following referenced documents are indispensable for the application 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* (standards.iteh.ai)

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

IEC 60335-1:2004, *Household and similar electrical appliances — Safety — Part 1: General requirements*

IEC 60335-2-52, *Household and similar electrical appliances — Safety — Part 2-52: Particular requirements for oral hygiene appliances*

3 Terms and definitions

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

3.1

powered toothbrush

hand-held electrically-powered appliance, the brush head of which carries filaments, used primarily for cleaning surfaces within the oral cavity

3.2

brush head

fixed or removable working end of an electrically-powered toothbrush to which the filaments are attached

3.3

filament

single strand within the brush head

3.4

tuft

group of filaments gathered together and attached to the brush head