



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 20126:2012&A1:2018

# Dentistry - Manual toothbrushes - General requirements and test methods (ISO 20126:2012)

**I.S. EN ISO 20126:2012&A1:2018**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

EN ISO 20126:2012/A1:2018

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## National Foreword

I.S. EN ISO 20126:2012&A1:2018 is the adopted Irish version of the European Document EN ISO 20126:2012, Dentistry - Manual toothbrushes - General requirements and test methods (ISO 20126:2012)

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 20126:2012/A1**

February 2018

ICS 97.170

English Version

**Dentistry - Manual toothbrushes - General requirements  
and test methods - Amendment 1 (ISO 20126:2012/Amd  
1:2018)**

Médecine bucco-dentaire - Brosses à dents manuelles -  
Exigences générales et méthodes d'essai -  
Amendement 1 (ISO 20126:2012/Amd 1:2018)

Zahnheilkunde - Handzahnbürsten - Allgemeine  
Anforderungen und Prüfverfahren (ISO  
20126:2012/Amd 1:2018)

This amendment A1 modifies the European Standard EN ISO 20126:2012; it was approved by CEN on 1 March 2018.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 20126:2012/A1:2018 (E)**

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## **European foreword**

This document (EN ISO 20126:2012/A1:2018) 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 Amendment to the European Standard EN ISO 20126:2012 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2018, and conflicting national standards shall be withdrawn at the latest by August 2018.

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

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

## **Endorsement notice**

The text of ISO 20126:2012/Amd 1:2018 has been approved by CEN as EN ISO 20126:2012/A1:2018 without any modification.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 20126**

March 2012

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Supersedes EN ISO 20126:2005

English Version

**Dentistry - Manual toothbrushes - General requirements and test  
methods (ISO 20126:2012)**

Médecine bucco-dentaire - Brosses à dents manuelles -  
Exigences générales et méthodes d'essai (ISO  
20126:2012)

Zahnheilkunde - Handzahnbürsten - Allgemeine  
Anforderungen und Prüfverfahren (ISO 20126:2012)

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**EN ISO 20126:2012 (E)**

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## **Foreword**

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# INTERNATIONAL STANDARD

**ISO  
20126**

Second edition  
2012-01-15

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## **Dentistry — Manual toothbrushes — General requirements and test methods**

*Médecine bucco-dentaire — Broses à dents manuelles — Exigences  
générales et méthodes d'essai*



Reference number  
ISO 20126:2012(E)

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## **ISO 20126:2012(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.

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 20126 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 7, *Oral care products*.

This second edition cancels and replaces the first edition (ISO 20126:2005), which has been technically revised.

The significant difference between this second edition and the first edition is:

- a requirement (4.6) and a test (5.7) for handle impact resistance have been added.

## **Introduction**

Manual toothbrushes are used for the removal of dental plaque and oral debris in order to facilitate oral hygiene. This International Standard is intended to determine the physical properties of manual toothbrushes, including impact resistance.

Specific qualitative and quantitative requirements for freedom from biological hazards are not included in this International Standard. It is recommended that, in assessing possible biological hazards, reference be made to ISO 7405 and ISO 10993-1.





# Dentistry — Manual toothbrushes — General requirements and test methods

## 1 Scope

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

This International Standard does not apply to manual interdental brushes and powered oral hygiene devices, as these instruments are covered by separate International Standards.

## 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*

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

ISO 22254, *Dentistry — Manual toothbrushes — Resistance of tufted portion to deflection*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and ISO 22254 and the following apply.

### 3.1

#### **manual toothbrush**

hand-powered device, the working end of which carries filaments primarily for cleaning surfaces within the oral cavity

NOTE Adapted from ISO 22254:2005, definition 3.1.

### 3.2

#### **brush head**

working end of a manual toothbrush to which the filaments are attached

NOTE Adapted from ISO 22254:2005, definition 3.2.

### 3.3

#### **filament**

single strand within the brush head

[ISO 22254:2005, definition 3.3]

### 3.4

#### **tuft**

group of filaments gathered together and attached to the brush head

[ISO 22254:2005, definition 3.4]

### 3.5

#### **tuft-removal force**

force required to remove one tuft from the brush head

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