



NSAI
Standards

Irish Standard
I.S. EN ISO 9173-1:2016

Dentistry - Extraction forceps - Part 1: General requirements (ISO 9173-1:2016)

I.S. EN ISO 9173-1:2016

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN ISO 9173-1:2016 is the adopted Irish version of the European Document EN ISO 9173-1:2016, Dentistry - Extraction forceps - Part 1: General requirements (ISO 9173-1:2016)

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EUROPEAN STANDARD

EN ISO 9173-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2016

ICS 11.060.20

Supersedes EN ISO 9173-1:2006

English Version

Dentistry - Extraction forceps - Part 1: General requirements (ISO 9173-1:2016)

Médecine bucco-dentaire - Daviers - Partie 1:
Exigences générales (ISO 9173-1:2016)

Zahnheilkunde - Extraktionszangen - Teil 1: Allgemeine
Anforderungen (ISO 9173-1:2016)

This European Standard was approved by CEN on 20 August 2016.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 9173-1:2016) 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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

This document supersedes EN ISO 9173-1:2006.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 9173-1:2016 has been approved by CEN as EN ISO 9173-1:2016 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
9173-1**

Third edition
2016-10-15

**Dentistry — Extraction forceps —
Part 1:
General requirements**

*Médecine bucco-dentaire — Daviers —
Partie 1: Exigences générales*



Reference number
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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ISO 9173-1:2016(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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*.

This third edition cancels and replaces the second edition (ISO 9173-1:2006), which has been technically revised with the following changes:

- a) as reprocessing test, only the autoclave test was selected;
- b) the reprocessing cycles were increased to 100 cycles;
- c) the boiling water test was deleted.

ISO 9173 consists of the following parts, under the general title *Dentistry — Extraction forceps*:

- *Part 1: General requirements*
- *Part 2: Designation*
- *Part 3: Design*

Introduction

This revision of ISO 9173-1 is intended to cover all extraction forceps used in dentistry.

Dentistry — Extraction forceps —

Part 1: General requirements

1 Scope

This part of ISO 9173 specifies the general performance requirements for extraction forceps used in dentistry.

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 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*

ISO 17664, *Sterilization of medical devices — Information to be provided by the manufacturer for the processing of resterilizable medical devices*

3 Terms and definitions

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

3.1

extraction forceps

type of pincers used for the extraction of teeth

3.2

beak

functional working end of forceps which enclose the teeth

3.3

facial beak

beak that is designed to be in contact with the facial surface of the tooth

3.4

lingual beak

beak that is designed to be in contact with the lingual surface of the tooth

3.5

beak separation

minimum gap between beak tips with the extraction forceps closed

3.6

overall beak length

distance from beak tip to pivot centre

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