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

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NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 9173-1:2016 sisaldab Euroopa standardi EN ISO 9173-1:2016 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 9173-1:2016 consists of the English text of the European standard EN ISO 9173-1:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 30.11.2016.	Date of Availability of the European standard is 30.11.2016.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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EUROPEAN STANDARD

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EN ISO 9173-1

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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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.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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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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