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





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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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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

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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