
Dentistry — Extraction forceps —
Part 1:
General requirements and test methods

Art dentaire — Daviers —

Partie 1: 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 9173-1 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This second edition cancels and replaces the first edition (ISO 9173-1:1991), which has been technically revised. The following changes have been made:

- a) the scope has been expanded to cover all extraction forceps;
- b) the descriptions of the test procedures have been improved;
- c) the requirements for specific forceps have been removed and will be included in a future part of ISO 9173.

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

— *Part 1: General requirements and test methods*

Further parts are planned.

Introduction

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

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Dentistry — Extraction forceps —

Part 1: General requirements and test methods

1 Scope

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

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

ISO 7153-1, *Surgical instruments — Metallic materials — Part 1: Stainless steel*

ISO 13402, *Surgical and dental hand instruments — Determination of resistance against autoclaving, corrosion and thermal exposure*

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 separation

minimum gap between beak tips with the extraction forceps closed

3.3

overall beak length

distance from beak tip to pivot centre

3.4

fastening components

components of the extraction forceps used for fastening the pincers, e.g. pins, rivets and screws