

#### **DRAFT INTERNATIONAL STANDARD ISO/DIS 9173-2**

ISO/TC 106/SC 4 Secretariat: DIN

Voting begins on: Voting terminates on:

2009-01-15 2009-06-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Dentistry — Extraction forceps —

## Part 2:

# **Functional designation**

Art dentaire — Daviers —

Partie 2: Désignation fonctionnelle

ICS 11.060.20

# A DARD REEL VIEW AND A STANDARD STANDAR

#### ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

#### PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

# **Contents**

Page

Forewordi				
Introduction				
1	Scope			
2	Normative references			
3	Terms and definitions			
•				
4.1	Designation  Functional designation  Pattern number  Functional designator  Functional designators  Examples of functional designation for extraction forceps			
4.2	Pattern number			
4.3 4.4	Functional designators	\		
4.5	Examples of functional designation for extraction forceps	3		
5	Marking, labelling and catalogue entries			
5.1	Forceps marking			
5.2 5.3	Marking, labelling and catalogue entries  Forceps marking	× 2		
	39 .0	·		

#### **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 9173-2 was prepared by Technical Committee ISO/TC 106, Dentistry, Subcommittee SC 4, Dental instruments.

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

- Part 1: General requirements and test methods
- Part 2: Functional designation
- Part 3: Design and dimensions

### Introduction

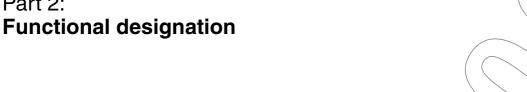
Dental extraction forceps are used for extraction of teeth. The majority of extraction forceps are for use on both sides and for more than one tooth, e.g. for all upper or for all lower premotars, for upper central incisors and upper canines (and larger lateral incisor), for upper lateral incisors and upper deciduous incisors and canines. Some extraction forceps for upper molars and some exceptions for lower wisdom teth are tooth and side designated. Some extraction forceps are only for roots.

In order that the dentist and/or his assistant can order the correct extraction forceps for an intended clinical purpose a global designation system is necessary.

I all SI A And a de itell and suppose of the standards of

# **Dentistry** — Extraction forceps —

## Part 2:



#### Scope

This part of ISO 9173 specifies the functional designation of dental extraction forceps.

#### **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 3950, Dentistry — Designation system for teeth and areas of the oral cavity

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

ISO 7153-1, Instruments for surgery — Metallic materials — Part 1: Stainless steel

ISO 9173-1, Dentistry — Extraction forceps > Part 1: General requirements and test methods

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

#### Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and ISO 9173-1 apply.

#### Designation

#### 4.1 Functional designation

Extraction forceps shall be designated by the following functional designation

functional designation = pattern number [functional designator]

#### 4.2 Pattern humber

The pattern number shall be the traditional figure (pattern) number of the extraction forceps used in the region of origin (e.g. 210H) of the manufacturer.

© ISO 2008 - All rights reserved

#### 4.3 Functional designator

The information provided by this part of ISO 9173 as functional designator for extraction forceps is intended as guidance for clinicians in the selection and application of dental extraction forceps.

The functional designator shall be in accordance with the digital designations of teeth and areas of the oral cavity as specified in ISO 3950 (see Figure 1), with the exception of quadrants or individual tooth numbers.

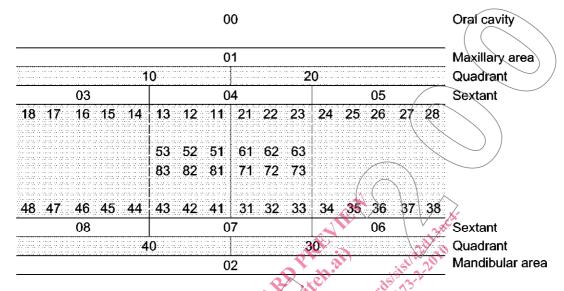


Figure 1 — Designation of teeth and areas of the oral cavity

The remaining designation, which is used for extraction forceps is shown in Table 1.

Table 1 — Designation of areas of oral cavity

	Area	Designation
	oral cavity (whole)	00
	maxillary area	01
/	mandibular area	02
	upper right sextant	03
	upper anterior sextant	04
	upper left sextant	05
	lower left sextant	06
	lower anterior sextant	07
	lower right sextant	08

#### 4.4 Functional designators

The functional designator consists of the following three parts:

Functional designator = [First designator.Second designator.Third designator]

Table 2 — Designators used to describe the functional application of extraction forceps

First Designator	Second Designator	Third Designator
Upper/Lower Jaw	Sextant	Special Use
Universal = 00	Anterior = 04, 07	Pediatric = 1
Maxillary = 01	Maxillary Posterior = 03, 05	Root Forceps = 2
Mandibular = 02	Mandibular Posterior = 06, 08	Tooth Splitting Forceps = 3 Premolar Forceps = 4

NOTE 1: When the extraction forceps is intended for use in more than one sextant, multiple sextants are separated by a slash mark as follows: [06/08].

NOTE 2: For a posterior universal forcep, separate the upper and lower sextants using a hyphen: e.g, functional designator = [00.03/05-06/08].

#### 4.5 Examples of functional designation for extraction forceps

### EXAMPLE 1 Forceps used for extraction of upper anterior teeth in adults

#1 US Pattern = universal anterior forceps:

functional designation = #1 [00.04/07]

#### EXAMPLE 2 Two forceps with the same manufacturer pattern number that have different functional uses.

#67 UK Pattern = upper molar forceps:

functional designation = #67 [01.03/05]

#67 Japanese Pattern = lower tooth splitting forceps:

functional designation = #67 [02.06/08.3]

#### **EXAMPLE 3** Forceps used for extraction of anterior teeth in children

#1S US Pattern = universal anterior pediatric forceps:

functional designation = #1S [00.04/07/1]

#### 5 Marking, labelling and catalogue entries

#### 5.1 Forceps marking

Extraction forceps shall be indelibly marked with their pattern number.

#### 5.2 Package labelling

The primary packaging shall be labelled with the pattern number. If desired, primary packaging may also be labelled with the functional designator.

© ISO 2008 – All rights reserved