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**PHARMACEUTICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YY/T 1021.3-2023

Dentistry - Extraction forceps - Part 3: Design

牙科学 拔牙钳 第3部分：设计

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 3 of YY/T 1021 "Dental Extraction Forceps". YY/T 1021 has released the following parts.

---Part 1: General requirements;

---Part 2: Marking;

---Part 3: Design.

This document has been modified using ISO 9173-3:2014 "Dental extraction forceps - Part 3: Design".

The technical differences between this document and ISO 9173-3:2014 and their reasons are as follows.

---Replaced ISO 1942 (see Chapter 3) with normatively quoted GB/T 9937 to adapt to my country's technical conditions and increase operability.

work nature;

---Replaced ISO 9173-1 (see Chapter 3) with normatively quoted YY/T 1021.1 to adapt to my country's technical conditions and increase Operability;

---Replaced ISO 9173-2 (see Chapter 3 and Chapter 6) with the normatively quoted YY/T 1021.2 to adapt to my country's technical conditions components to increase operability;

---The term "beak forceps" is deleted, and the serial numbers of subsequent terms are postponed. Since "beak forceps" is already defined in YY/T 1021.1-2022, this document does not Repeat again.

The following editorial changes have been made to this document.

- Added a statement of the applicable limits of this document;
- Added 4.4 description of the type classification of the inner area of the beak;
- Correct "Figure 8" in 5.1 to "Figure 7".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

YY/T 1021 aims to establish basic requirements, marking methods and design criteria that are generally applicable to dental extraction forceps products, and consists of three parts.

---Part 1: General requirements, the purpose is to clarify the general requirements and test methods such as material properties and mechanical properties of dental extraction forceps.

---Part 2: Labeling, the purpose is to clarify the labeling rules and labeling methods of dental extraction forceps.

---Part 3: Design, the purpose is to clarify the classification and design specifications of dental extraction forceps.

Dental extraction forceps Part 3: Design

1 Scope

This document specifies the design of dental extraction forceps.

This document applies to all dental extraction forceps.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 9937 Dental terminology (GB/T 9937-2020, ISO 1942:2009, MOD) YY/T 1021.1
Dental extraction forceps Part 1: General requirements (YY/T 1021.1-2022, ISO

9173-1:2016, MOD) YY/T 1021.2 Dental extraction forceps Part 2: Labeling (YY/T 1021.2-2023, ISO 9173-2:2010, MOD)

3.1 Terms and definitions

The terms and definitions defined in GB/T 9937, YY/T 1021.1, YY/T 1021.2 and the following apply to this document.

3.1.1

joint

The shaft connection part of the first and second forceps handles.

3.1.2

clamp handle

The hand-held part.

3.2 Symbols

The following symbols apply to this document.

b1.beak thickness

b2.crown width

b3.Beak distance

b4.Beak width (closed) h1.Beak offset 1 h2.Beak offset 2 l1.Total clamp length l2.overall beak length l3.working length of beak Dimensions are shown in Figure 1.The indexing of the measuring points when the pliers are closed is listed in Table 1.