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

YY/T 0803.3-2016

**Dentistry-Root-canal instruments --Part 3: Codensers
(English Translation)**

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Foreword

All technical content of this section is mandatory:

"Dentistry Endodontic Instruments" consists of the following 4 parts:

- Part 1: General requirements and test methods (YY 0803.1);
- Part 2: Amplifier (YY/T 0803.2);
- Part 3: Pressurizer (YY 0803.3);
- Part 4: Auxiliary devices (YY/T 0803.4);
- Part 5: Forming and cleaning (YY/T 0803.5):

This part is part 3:

This section is drafted in accordance with the rules given in GB/T 1.1-2009:

This part is modified to adopt ISO 3630-3:1994 "Dental endodontic instruments - Part 3: Pressurizers, vertical pressers and lateral pressurizers Device": The main differences between this part and ISO 3630-3:1994 are as follows:

--- Regarding the normative reference documents, this standard has made adjustments with technical differences to adapt to my country's technical conditions and adjustments Centrally reflected in Chapter 2 "Normative References", the specific adjustments are as follows:

- Use YY 0803.1-2010 "Dental endodontic instruments Part 1: General requirements and test methods" (ISO 3630-1:

2008, IDT) to replace ISO 3630-1:1992 "Dental rotary instruments Part 1: Root canal files, expanders, barbed pulp extraction Needles, rasps, paste feeders, probes and cotton twists";

- Replace ISO 6360-1:1985 "Dental Digital coding system for rotating instruments - Part 1:

General characteristics";

--- Split ISO 3630-3:1994 Figure 3 into Figure 3 and Figure 4;

--- The taper mark is represented by a percentage:

Please note that some contents of this document may refer to patents: The issuer of this document assumes no responsibility for identifying these patents:

This part is prepared by the Dental Equipment and Instruments Sub-Technical Committee of the National Dental Materials and Instruments Standardization Technical Committee (SAC/TC99/SC1) proposed:

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Introduction

YY 0803 covers the important features of hand-held endodontic instruments for root canal preparation:

In addition to special instruments, YY 0803.1 contains the general characteristics, requirements and test methods of all types of endodontic instruments:

It is worth noting that YY/T 0873 "Digital Coding System for Dental Rotary Instruments" provides a set of digital coding system, which stipulates 15 digits used to distinguish various types of dental rotary instruments:

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Dentistry endodontic instruments part 3 : pressurizers

1 Scope

This part of YY 0803 specifies the requirements and test methods for vertical pressers and lateral pressers used for compacting root canal filling materials:

In addition to standard specifications, tapered specifications are also included: This type of tapered gauge is determined by the degree of taper that varies with the size of the instrument:

2 Normative references

The following documents are indispensable for the application of this document: For dated references, only the dated version applies to this document pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 9937.3-2008 Oral Vocabulary Part 3: Dental Devices (ISO 1942-3:1989, IDT) YY 0803.1-2010 Dental endodontic instruments Part 1: General requirements and test methods (ISO 3630-1:2008, IDT) YY/T 0873 (all parts) Digital coding system for dental rotary instruments [ISO 6360 (all parts), IDT]

3 Terms and Definitions

The terms and definitions defined in GB/T 9937.3 and the following terms and definitions apply to this document:

root canal filling pressurizer root-canal filling condenser the working part is cylindrical or conical, and the cross section is a hand-held instrument: For vertical and/or lateral compaction of root canal filling material: add Pressers are usually divided into vertical pressers and side pressers:

Note: Hand-held devices include finger-held devices and hand-held devices:

root canal filling vertical presser root-canal filling plugger the working part is cylindrical or conical, the cross-section is circular, and the end surface is a hand-held instrument with a flat surface: Primarily used for vertically compacted root canal fillings Material:

root canal filling lateral pressure device root-canal filling spreader the working part is conical, the section is circular, and the end is a pointed hand-held instrument: Mainly used for lateral compaction of root canal filling materials:

4 Requirements

4.1

Materials

The operating parts of the device shall be made of corrosion-resistant materials: The type of material and the method of treatment are specified by the manufacturer:

The handle or rod shall be plastic material or other corrosion-resistant material, the material shall be selected by the manufacturer:

4.2

Dimensional requirements for standard vertical pressers and standard side pressers

4.2.1

General

Dimensions are in millimeters:

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