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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36917.1-2018

Dentistry -- Laboratory cutters -- Part 1: Steel laboratory cutters

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Foreword

GB/T 36917 "The cutting tool for dental laboratory" consists of the following four parts.

- Part 1. Steel cutting tools for laboratories;
- Part 2. Carbide cutting tools for laboratories;
- Part 3. Carbide cutting tools for milling machines;
- Part 4. Micro-carbide cutting tools for laboratories.

This part is the first part of GB/T 36917.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to the ISO 7787-1.2016 "cutting tools for dental laboratories Part 1. Steel for laboratories

Cutting tool.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

---YY/T 0873.3-2014 Digital coding systems for dental rotary instruments - Part 3.

Characteristics of needles and cutting tools

(ISO 6360-3.2005, IDT)

---YY/T 0874-2013 Dentistry Rotating Apparatus Test Method (ISO 8325.2004, IDT)

Introduction

The requirements for the dimensions and other aspects of steel cutting tools specified in this section are very important to ensure the interchangeability of the instruments in the

laboratory.

important.

Dental science laboratory cutting tool

Part 1. Steel cutting tools for laboratories

1 Scope

This part of GB/T 36917 specifies the dimensional requirements and other requirements for steel cutting tools for laboratories.

This section applies to the nine steel cutting tools mainly used in the laboratory.

This section does not apply to other features of the laboratory, such as. spiral blade, cross blade.

Note. These cutting tools are also used in foot care.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 1797 dental rotating and vibrating instrument rods
(Dentistry-Shanksforrotaryandosclatinginstru-

Mess)

ISO 1942 Dentistry-Vocabulary

Nominal diameter and number of ISO 2157 dental rotary instruments
(Dentistry-Nominaldiametersanddesignation

Codenumbersforrotaryinstruments)

ISO 6360-3 Digital coding systems for dental rotary instruments - Part 3. Characteristics of needles and cutting tools (Dentistry-

Numbercodingsystemforrotaryinstruments-Part 3.Specificcharacteristicsofbursandcutters)

ISO 8325 Dentistry-Testmethodsforrotaryinstruments

3.1 Terms and definitions

The following terms and definitions defined by ISO 1942, ISO 6360-3 apply to this document.

3.1.1

Laboratory cutting tool with laboratorycutter

A cutting tool for processing dental materials in a dental laboratory.

3.1.2

Dental laboratory

A place where the process of assisting dental clinical treatment is performed.

[ISO 1942.2009, definition 2.77]

3.2 symbol

The following symbols apply to this document.

- d. diameter of the working part, head diameter.
- l. the length of the working part, the length of the head.