International Standard



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Dental rotary instruments — Cutters Part 1 : Steel laboratory cutters

Instruments rotatifs dentaires - Fraises techniques - Partie 1 : Fraises techniques en acier

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Descriptors : dentistry, dental instruments, dental rotary-cutting instruments, burs (dental), specifications, dimensions, dimensional tolerances.

Foreword

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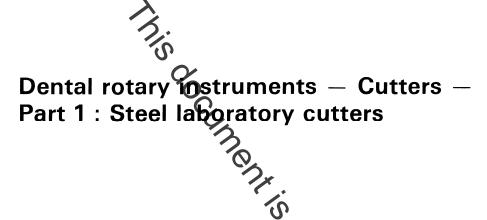
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 International Standard ISO 7787/1 was prepared by the techning intermational organization.

 International Dental Federation.

International Organization for Standardization, 1984 • Ô



0 Introduction

This International Standard is one of a series of standards (relating to dental rotary instruments. It consists of two parts :

Part 1 : Steel laboratory cutters.

Part 2 : Carbide laboratory cutters.

The various dimensional and other requirements specified for steel cutters are those considered important to ensure the interchangeability of these instruments.

Attention is drawn to ISO 6360 which specifies a 15 digit number for the identification of dental rotary instruments of all types.

1 Scope and field of application

This part of ISO 7787 specifies the dimensional and other requirements for the nine most commonly used steel cutters¹) which are predominantly used in the dental laboratory.

Other characteristics of cutters, for example spiralled blades, cross-cut, are not covered by this International Standard. These will be dealt with in a future International Standard.

2 References

ISO 1797, Dental rotary instruments – Shanks.²⁾

ISO 2157, Dental rotary instruments — Nominal sizes and designation.

ISO 2659, Sampling procedures and tables for inspection by attributes

ISO 6360, Cental rotary instruments – Number coding system.³⁾

ISO 8325, Dental rotary instruments – Test methods.³⁾

3 Symbols

d diameter of the working part, head diameter.

l length of the working part head length.

4 Material

The shaft and the working part shall be made of steel.

The selection of the type of steel and the treatment given to it shall be left to the discretion of the manufacturer.

¹⁾ Sometimes called laboratory burs.

²⁾ At present at the stage of draft. (Revision of ISO 1797-1976.)

³⁾ At present at the stage of draft.