***भारतीय मानक***

**दंत चिकित्सा —** **प्रयोगशाला कटर**

**भाग 1 स्टील प्रयोगशाला कटर**

*Indian Standard*

**Dentistry — Laboratory Cutters**

**Part 1 Steel Laboratory Cutters**

ICS 11.060.20

Dentistry Sectional Committee, MHD 08

NATIONAL FOREWORD

This Indian Standard (Part 1) which is identical to ISO 7787-1:2016 “Dentistry — Laboratory cutters — Part 1: Steel laboratory cutters” issued by the International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendation of the Dentistry Sectional Committee and after approval of the Medical Equipment and Hospital Planning Division Council.

This Indian Standard is published in four parts. The other parts in this series are:

Part 2 Carbide laboratory cutters

Part 3 Carbide cutters for milling machines

Part 4 Miniature carbide laboratory cutters

The text of ISO Standard has been approved as suitable for publication as an Indian Standard

without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’
2. Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian

Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian Standard* | *Degree of**Equivalence* |
| ISO 1797, Dentistry — Shanks for rotary and oscillating instruments | IS/ISO 1797 : 2017, Dentistry — Shanks for Rotary and Oscillating Instruments | Identical |
| ISO 1942, Dentistry — Vocabulary | IS 17895 : 2023/ISO 1942 : 2020, Dentistry — Vocabulary | Identical |
| ISO 2157, Dentistry - Nominal diameters and designation code numbers for rotary instruments | IS/ISO 2157 : 2016, Dentistry - Nominal Diameters and Designation Code Numbers for Rotary Instruments (*First Revision*) | Identical |
| ISO 6360-3, Dentistry — Number coding system for rotary instruments — Part 3: Specific characteristics of burs and cutters | IS 18681 (Part 3) : 2024/ ISO 6360-3 : 2005, Dentistry — Number Coding System for Rotary Instruments Part 3 Specific Characteristics of Burs and Cutters | Identical |
| ISO 8325, Dentistry — Test methods for rotary instruments | IS 13701 : 2024/ ISO 8325: 2023, Dentistry — Test Methods for Rotary Instruments (*Second Revision*) | Identical |

This standard also makes a reference to the BIS Certification Marking of the product. Details

of which is given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’.

**NATIONAL ANNEX A**

(National Foreword)

**A-1 BIS CERTIFICATION MARKING**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act,* 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.