***भारतीय मानक***

***Indian Standard***

**IS XXXXX (Part 1) : 2024**

**ISO 7787-1 : 2016**

**दंत चिकित्सा — प्रयोगशाला कटर**

**भाग 1 स्टील प्रयोगशाला कटर**

**Dentistry — Laboratory Cutters**

**Part 1 Steel Laboratory Cutters**

ICS 11.060.20

© BIS 2024

© ISO 2016

भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI - 110002

[www.bis.gov.in](http://www.bis.org.in) [www.standardsbis.in](http://www.standardsbis.in)

**October 2024 Price Group X**

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’; and
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 or analysis, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**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.