

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा
दंत चिकित्सा — रोटरी उपकरणों के लिए मैन्ड्रेल्स

Draft Indian Standard
Dentistry — Mandrels for Rotary Instruments

[ICS 11.060.20]

Dentistry Sectional Committee, MHD 08

Last date for comments: **9 June 2025**

NATIONAL FOREWORD

(Adoption clause will be added later)

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:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’; and
- b) 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:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1797-1 Dental rotary instruments — Shanks — Part 1: Shanks made of metals	IS/ISO 1797 : 2017 Dentistry — Shanks for rotary and oscillating instruments	Technically Equivalent
ISO 1942 Dentistry — Vocabulary	IS 17895 : 2023/ISO 1942 : 2020 Dentistry — Vocabulary	Identical
ISO 6360-1 Dentistry — Number coding system for rotary instruments — Part 1: General characteristics	IS/ISO 6360-1 : 2004 Dentistry — Number coding system for rotary instruments Part 1 General characteristics	Identical

ISO 6360-2 Dentistry — Number coding system for rotary instruments — Part 2: Shapes	IS/ISO 6360-2 : 2004 Dentistry — Number coding system for rotary instruments Part 2 Shapes	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 6360-4 Dentistry — Number coding system for rotary instruments — Part 4: Specific characteristics of diamond instruments	IS 18681 (Part 4) : 2024/ISO 6360-4 : 2004 Dentistry — Number coding system for rotary instruments Part 4 Specific characteristics of diamond instruments	Identical
ISO 6360-5 Dentistry — Number coding system for rotary instruments — Part 5: Specific characteristics of root-canal instruments	IS/ISO 6360-5 : 2007 Dentistry — Number coding system for rotary instruments Part 5 Specific characteristics of root-canal instruments	Identical
ISO 6360-6 Dentistry — Number coding system for rotary instruments — Part 6: Specific characteristics of abrasive instruments	IS 18681 (Part 6) : 2024/ISO 6360-6 : 2004 Dentistry — Number coding system for rotary instruments Part 6 Specific characteristics of abrasive instruments	Identical
ISO 6360-7 Dentistry — Number coding system for rotary instruments — Part 7: Specific characteristics of mandrels and special instruments	IS 18681 (Part 7) : 2024/ISO 6360-7 : 2006 Dentistry — Number coding system for rotary instruments Part 7 Specific characteristics of mandrels and special instruments	Identical
ISO 6892 Metallic materials — Tensile testing — Method of testing at ambient temperature	IS 1608 (Part 1) : 2022/ISO 6892-1 : 2019 Metallic materials — Tensile testing Part 1 Method of test at room temperature (<i>fifth revision</i>)	Identical
ISO 8325 : 2004 Dentistry — Test methods for rotary instruments	IS 13701 : 2024/ISO 8325 : 2023 Dentistry — Test methods for rotary instruments (<i>second revision</i>)	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*)’. 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.

Scope

This International Standard specifies the requirements, the packaging and marking characteristics for mandrels suitable for discs and polishers used in dentistry.

This International Standard uses the system of coding laid down in ISO 6360, which specifies a 15-digit number for the identification of dental rotary instruments of all types.

The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard.
For details, please refer to ISO 13295 : 2007 or kindly contact:

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