

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा
दंत चिकित्सा — रोटरी उपकरणों के लिए परीक्षण विधियाँ

Draft Indian Standard
Dentistry — Test Methods for Rotary Instruments

ICS 11.060.20

Dentistry Sectional Committee, MHD 08

Last date for comments: 05 April 2024

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:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- 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, 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 3274, Geometrical Product Specifications (GPS) — Surface texture: Profile method — Nominal	IS 15261 : 2002/ISO 3274 : 1996, Geometrical product specifications (GPS) - surface texture : profile	Identical

characteristics of contact (stylus) method - Nominal characteristics of instruments contact (Stylus) instruments

ISO 21850-1, Dentistry — MHD/08/24093, Dentistry — Identical
Materials for dental instruments — Materials for dental instruments —
Part 1: Stainless steel Part 1: Stainless steel

ISO 21920-3, Geometrical product IS 18432 (Part 3) : 2023/ ISO Identical
specifications (GPS) — Surface 21920-3:2021, Geometrical Product
texture: Profile — Part 3: Specifications (GPS) — Surface
Specification operators Texture — Profile Part 3
Specification Operators

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 13295	Dentistry — Mandrels for rotary instruments

Scope

This document specifies general test methods for rotary instruments used in dentistry. These test methods are used for measuring the dimensional characteristics, neck strength and surface roughness of rotary instruments, such as burs, cutters, polishers, grinding instruments and rotary instruments used for oral surgery such as drills and countersinks.

Specific tests are specified in the respective instrument standards, if available.

This document does not specify test methods for materials used for rotary instruments.

NOTE For materials used for rotary instruments, see [ISO 21850-1](#) and respective instrument standards.

This document is not applicable to endodontic instruments. For endodontic instruments, see [ISO 3630-1](#).

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 8325:2023 or kindly contact:

Head
Medical Equipment and Hospital Planning Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi-110002
Email: mhd@bis.gov.in
hmhd@bis.gov.in