

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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*भारतीय मानक मसौदा*

**दंत चिकित्सा — चुंबकीय अनुलग्नक**

*Draft Indian Standard*

**Dentistry — Magnetic Attachments**

[ICS 11.060.10]

Dentistry Sectional Committee, MHD 08

Last date for comments: **18 July 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 1942, Dentistry — Vocabulary	IS 17895 : 2023/ISO 1942 : 2020, Dentistry — Vocabulary	Identical
ISO 3585, Borosilicate glass 3.3 — Properties	IS 18219 : 2023/ISO 3585 : 1998, Borosilicate Glass 3.3 — Properties	Identical
ISO 10271, Dentistry — Corrosion test methods for metallic materials	MHD/08/25665, Dentistry — Corrosion Test Methods for Metallic Materials	Identical

ISO 15223-1, Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements	IS 18105 (Part 1) : 2023/ISO 15223-1:2021, Medical Devices — Symbols to be Used with Information to be Supplied by the Manufacturer Part 1 General Requirements ( <i>Third Revision</i> )	Identical
ISO 22674, Dentistry — Metallic materials for fixed and removable restorations and appliances	MHD/08/24116, Dentistry — Metallic Materials for Fixed and Removable Restorations and Appliances ( <i>First Revision</i> )	Identical

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 5832-1	Implants for surgery — Metallic materials — Part 1: Wrought stainless steel
ISO 14233	Dentistry — Polymer-based die materials
IEC 60404-8-1	Magnetic materials - Part 8-1: Specifications for individual materials - Permanent magnet (magnetically hard) materials

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.

**Scope**

This document specifies requirements and test methods for assessing the applicability of dental magnetic attachments that provide retention, support and stabilization of removable prostheses (crowns and bridges, partial dentures and overdentures), superstructures of dental implants and orthodontic or maxillofacial prostheses including obturators.

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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 13017:2020 or kindly contact:

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