

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

**सर्जरी के लिए प्रत्यारोपण – संपूर्ण कूल्हे के जोड़ के कृत्रिम अंग
का घिसाव**

**भाग 3: कक्षीय असर प्रकार के पहनने के परीक्षण मशीनों के लिए लोडिंग
और विस्थापन पैरामीटर और परीक्षण के लिए संबंधित पर्यावरणीय स्थितियां**

Draft Indian Standard

**Implants for Surgery — Wear of Total Hip-Joint
Prostheses**

**Part 3: Loading and Displacement Parameters for Orbital
Bearing Type Wear Testing Machines and Corresponding
Environmental Conditions for Test**

ICS 11.040.40

Orthopaedic Instruments, Implants and
Accessories Sectional Committee, MHD 02

Last date for comments: **18 July 2024**

NATIONAL FOREWORD

(Adoption clause will be added later)

Amendment 1 published in 2019, to ISO 14242-3: 2009 will be given at the end of this publication.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and 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’.
- 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.

Doc: : MHD02(25895)WC
June 2024

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 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 14242-2 Implants for surgery — Wear of total hip-joint prostheses — Part 2: Methods of measurement	MHD02(25894), Implants for surgery — Wear of total hip-joint prostheses — Part 2: Methods of measurement	Identical

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)’.

Note: The technical content of the document has not been included as it is identical with the corresponding ISO standard. For details, please refer to ISO 14242-3: 2009 or kindly contact:

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SCOPE

This part of ISO 14242 specifies relative angular movement between articulating components, the pattern of the applied force, speed and duration of testing, sample configuration and test environment to be used for the orbital bearing type wear testing of total hip joint prostheses.