

**BUREAU OF INDIAN STANDARDS**

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**भारतीय मानक मसौदा**  
**सर्जरी के लिए प्रत्यारोपण — धातु इंट्रामेडुलरी नेलिंग सिस्टम**  
**भाग 3 कनेक्शन डिवाइस और रीमर व्यास माप**  
(ISO 15142-3 : 2003; संशोधित)

*Draft Indian Standard*

**Implants for Surgery — Metal Intramedullary Nailing Systems**  
**Part 3 Connection Devices and Reamer Diameter Measurements**  
(ISO 15142-3 : 2003; MOD)

ICS 11.040.40

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Orthopaedic Instruments, Implants and  
Accessories Sectional Committee, MHD 02

Last date for comments: **31 October 2025**

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**NATIONAL FOREWORD**

*(Adoption clause will be added later)*

This standard is published in several parts. The other parts in this series are:

Part 1 Intramedullary Nails

Part 2 Locking Components

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:

- 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.

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 8319 (all parts), Orthopaedic instruments — Drive connections	<b>IS 6801 (Part 1) : 1999</b> , Orthopaedic instruments - Drive connections Part 1 keys for use with screws with hexagon socket heads (Second Revision)	Identical
	<b>IS 6801 (Part 2) : 1987</b> , Specification for drive connections for orthopaedic instruments Part 2 Screw drivers for single slot head screws, screws with cruciate slot and cross-recessed head screws (First Revision)	Identical
ISO 15142-2 Implants for surgery — Metal intramedullary nailing systems — Part 2: Locking components	MHD02 (28900), Implants for surgery — Metal intramedullary nailing systems — Part 2: Locking components	Modified

MHD02 (28900) is a modified adoption of ISO 15142-2 : 2003 which specifies classification and requirements for metallic intramedullary nail locking components used in temporary long bone fixation, excluding unlockable nails.

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)'.

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**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 15142-3: 2003 or kindly contact:

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## **SCOPE**

This part of ISO 15142 specifies metallic medical devices used for the temporary intramedullary stabilization of long bones by surgical implantation, classifying and giving other requirements and dimensions for the devices used to insert, remove or both insert and remove intramedullary nails. It also provides a means of measuring reamer diameter. It is applicable to all metal intramedullary fixation devices used for temporary fixation of long bones in the human body, except drive connections for locking elements.