

This is a preview of "ISO 15142-2:2003". [Click here to purchase the full version from the ANSI store.](#)

First edition  
2003-08-01

---

---

# Implants for surgery — Metal intramedullary nailing systems —

## Part 2: Locking components

*Implants chirurgicaux — Systèmes d'enclouage intramédullaire en  
métal —*

*Partie 2: Éléments de fixation*



Reference number  
ISO 15142-2:2003(E)

© ISO 2003

This is a preview of "ISO 15142-2:2003". [Click here to purchase the full version from the ANSI store.](#)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2003

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 15142-2:2003". [Click here to purchase the full version from the ANSI store.](#)

## Contents

	Page
Foreword .....	iv
Introduction .....	v
1 Scope.....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Classification and designation .....	1
5 Materials.....	2
6 Surface requirements .....	2
7 Marking.....	2
8 Product labelling .....	2
9 Drive connections for insertion and removal of locking components.....	2
Bibliography .....	3

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15142-2 was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 5, *Osteosynthesis and spinal devices*.

ISO 15142 consists of the following parts, under the general title *Implants for surgery — Metal intramedullary nailing systems*:

- *Part 1: Intramedullary nails*
- *Part 2: Locking components*
- *Part 3: Connection devices and reamer diameter measurements*

This is a preview of "ISO 15142-2:2003". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

Intramedullary nailing is a method of fixation for temporary stabilization of long bones with reduced strength due to fractures or disease or both. Medical and engineering considerations influence the design of the different devices and the choice of a device for a particular clinical situation.

This part of ISO 15142 addresses the locking components used for lockable metal intramedullary nails. Because of the wide variety of the devices, classification of the locking components is provided.

Nails are often, but not always, removed when they have completed their intended purpose of temporary stabilization.