

# INTERNATIONAL STANDARD

**ISO**  
**7206-1**

Second edition  
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## **Implants for surgery — Partial and total hip joint prostheses —**

### **Part 1:**

Classification and designation of dimensions

*Implants chirurgicaux — Prothèses partielles et totales de l'articulation de la hanche —*

*Partie 1: Classification et désignation des dimensions*



Reference number  
ISO 7206-1:1995(E)

## 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.

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.

International Standard ISO 7206-1 was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 4, *Bone and joint replacements*.

This second edition cancels and replaces the first edition (ISO 7206-1:1985), of which it constitutes a technical revision.

ISO 7206 consists of the following parts, under the general title *Implants for surgery — Partial and total hip joint prostheses*:

- *Part 1: Classification and designation of dimensions*
- *Part 2: Articulating surfaces made of metallic, ceramic and plastics materials*
- *Part 3: Determination of endurance properties of stemmed femoral components without application of torsion*
- *Part 4: Determination of endurance properties of stemmed femoral components with application of torsion*
- *Part 5: Determination of resistance to static load of head and neck region of stemmed femoral components*
- *Part 6: Determination of endurance properties of head and neck region of stemmed femoral components*

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- *Part 7: Endurance performance of stemmed femoral components without application of torsion*
- *Part 8: Endurance performance of stemmed femoral components with application of torsion*
- *Part 9: Determination of resistance to torque of head fixation of stemmed femoral components*

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## Introduction

Partial and total hip joint prostheses are designed to transmit load and allow movement under high stress conditions. The task of preparing International Standards to cover all eventualities is complicated by the limited range of biologically suitable materials.

The purpose of this part of ISO 7206 and of other International Standards relating to joint prostheses is to provide direction in the control of manufacture and standard specifications for the different components of prostheses.

Attention is drawn to ISO 5839:1985, *Implants for surgery — Orthopaedic joint prostheses — Basic requirements*.

# Implants for surgery — Partial and total hip joint prostheses —

## Part 1:

## Classification and designation of dimensions

### 1 Scope

This part of ISO 7206 specifies the means of classification and standardizes the designation of dimensions for partial and total hip joint prostheses.

It does not give a comprehensive description of modular and anatomic prostheses but can be used for the description of specific features of such prostheses.

### 2 Classification

Hip joint prostheses shall be classified as follows:

- a) femoral prosthesis (consisting of one or more components);
- b) acetabular prosthesis (consisting of one or more components);
- c) a combination of a) and b).

### 3 Designation of dimensions

Dimensions of hip joint prostheses shall be designated in accordance with figures 1 to 6.

NOTE 1 Figures 1 to 6 are intended to be illustrative of typical hip joint prostheses and to designate dimensions, but representation of the components does not otherwise form part of this International Standard.