

INTERNATIONAL STANDARD

ISO
9268

First edition
1988-12-15



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Implants for surgery — Metal bone screws with conical under-surface of head — Dimensions

Implants chirurgicaux — Vis métalliques à embase conique pour os — Dimensions

Reference number
ISO 9268: 1988 (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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 9268 was prepared by Technical Committee ISO/TC 150, *Implants for surgery*.

This first edition cancels and replaces the first editions of ISO 5835-3 : 1986 and ISO 5835-4 : 1983, of which it constitutes a technical revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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0 Introduction

This International Standard lays down requirements for surgical bone screws as given in the Scope. It is necessary to bear in mind that there may be a need for bone screws for particular applications, which are not covered by this Standard or by ISO 5835. Such special bone screws may differ in part from the standardized forms or may combine parts from these two product Standards.

However, there are certain areas of the design of screws such as the drive connections, the shape of the under-surface of the head and the thread form that are critical from the point of view of use in surgery. These areas are those in which there is an interface with bone plates (ISO 9269) or other devices or with instruments such as screwdrivers (ISO 8319-2) or taps, drills and countersink cutters. No variation is permitted in these areas.

1 Scope and field of application

This International Standard specifies the dimensions and tolerances of metal bone screws with conical under-surface of the head used in surgery.

NOTE — The interrelationship of International Standards dealing with bone screws, bone plates and relevant tools is shown for information in annex A.

2 Reference

ISO 6018 : 1987, *Orthopaedic implants — General requirements for marking, packaging and labelling.*

3 Code for screw thread

The following code shall be used to identify the type of screws complying with this International Standard:

Type of thread	Code
Symmetrical thread	HC
Asymmetrical thread	HD

4 Dimensions and tolerances

4.1 Screws with symmetrical thread form HC

4.1.1 Screws with single-slot drive connection

Screws with single-slot drive connections shall be as given in figure 1 and table 1.