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International Standard 8319/2

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

Orthopaedic instruments — Drive connections — Part 2: Screwdrivers for single slot head screws, screws with cruciate slot and cross-recessed head screws

Instruments orthopédiques — Raccords d'entraînement — Partie 2: Tournevis pour vis à tête fendue, à empreinte en croix et à empreinte cruciforme

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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.

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 8319/2 was prepared by Technical Committee ISO/TC 150, *Implants for surgery*.

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.

Orthopaedic instruments — Drive connections — Part 2: Screwdrivers for single slot head screws, screws with cruciate slot and cross-recessed head screws

0 Introduction

Essential requirements for all varieties of screwdrivers are the following:

- the point should accurately engage the head of the screw;
- the materials used for the manufacture of the blade should be satisfactory from all clinical aspects;
- the screwdriver should have adequate strength.

The purpose of this part of ISO 8319 is to ensure that this is achieved without imposing undue restriction on design features.

1 Scope and field of application

This part of ISO 8319 specifies requirements for screwdrivers used in orthopaedic surgery for inserting and removing bone

screws with single slot heads, with cruciate slot or cross-recessed heads.

Screwdrivers specified in this part of ISO 8319 are suitable for use with screws which conform to ISO 9268.

2 References

ISO 683/13, *Heat-treated steels, alloy steels and free-cutting steels — Part 13: Wrought stainless steels.*

ISO 2380, *Screwdriver blades for slotted head screws.*¹⁾

ISO 5832/5, *Implants for surgery — Metallic materials — Part 5: Wrought cobalt-chromium-tungsten-nickel alloy.*

ISO 6508, *Metallic materials — Hardness test — Rockwell test (scales A — B — C — D — E — F — G — H — K).*²⁾

ISO 9268, *Implants for surgery — Metal bone screws — Dimensions — Screws with conical under-surfaces.*³⁾

1) At present at the stage of draft. (Revision of ISO 2380-1979.)

2) At present at the stage of draft. (Revision of ISO/R 80-1968 and ISO 2713-1973.)

3) At present at the stage of draft. (Revision of ISO/DIS 5835/3 and ISO 5835/4-1983.) See the annex for information on the interrelationship between International Standards dealing with bone screws, bone plates and relevant tools.