

Orthopaedic joint prostheses —

Part 7: Guide to hip joint simulators

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Health Care Standards Policy Committee (HCC/-) to Technical Committee HCC/25, upon which the following bodies were represented:

- British Institute of Surgical Technologists
- British Medical Association
- British Orthopaedic Association
- British Steel Industry
- British Surgical Trades Association
- Department of Health
- Department of Trade and Industry (National Engineering Laboratory)
- Royal College of Surgeons of England
- Scottish Office
- Coopted members

This British Standard, having been prepared under the direction of the Health Care Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 August 1990

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National foreword

This Part of BS 7251 has been prepared under the direction of the Health Care Standards Policy Committee and is identical with ISO/TR 9325:1989 “*Implants for surgery — Partial and total hip joint prostheses — Recommendations for simulators for evaluation of hip joint prostheses*” prepared by Technical Committee 150, Implants for surgery, of the International Organization for Standardization (ISO).

Requirements for orthopaedic implants (then termed “surgical implants”) were first published in 1962 as BS 3531. In 1968 a part revision of BS 3531:1962 was issued as BS 3531-1, which dealt with surgical implants made of all materials. In 1980 the first four Parts of a multi-part version of BS 3531 were published.

A further nineteen Parts of BS 3531 were subsequently published. In view of the increase in the number of Parts, and with a view to facilitating the implementation of published or forthcoming ISO implant standards, the British Standard relating to implants has been restructured. Accordingly the number BS 3531 is reserved for standards for implants for osteosynthesis, BS 7251 covers joint prostheses, BS 7252 covers metallic materials for surgical implants, BS 7253 covers non-metallic materials for surgical implants and BS 7254 covers orthopaedic implants, i.e. aspects common to both osteosynthesis and joint replacement.

Cross-references

International Standard	Corresponding British Standard
ISO 4291:1985	BS 6740:1986 <i>Method for determining departures from roundness by measuring variations in radius</i> (Identical)
	BS 7252 <i>Metallic materials for surgical implants</i>
ISO 5832-1:1987	Part 1:1990 <i>Specification for wrought stainless steel</i> (Identical)
ISO 5832-2:1978	Part 2:1990 <i>Specification for unalloyed titanium</i> (Identical)
ISO 5832-4:1978	Part 4:1990 <i>Specification for cobalt-chromium-molybdenum casting alloy</i> (Identical)
ISO 6474:1981	BS 7253 <i>Non-metallic materials for surgical implants</i> Part 2:1990 <i>Specification for ceramic materials based on alumina</i> (Identical)
ISO 7206-2:1987	BS 7251 <i>Orthopaedic joint prostheses</i> Part 4:1990 <i>Specification for bearing surfaces of hip joint prostheses</i> (Identical)
ISO 7206-3:1988	Part 6:1990 <i>Method for determination of endurance properties of stemmed femoral components of hip joint prostheses without application of torsion</i> (Identical)
ISO 7206-4:1989	Part 5:1990 <i>Method for determination of endurance properties of stemmed femoral components of hip joint prostheses with application of torsion</i> (Technically equivalent)
ISO/TR 9326:1989	Part 8:1990 <i>Guidance on laboratory evaluation of change of form of bearing surfaces of hip joint prostheses</i>

The Technical Committee has reviewed the provisions of ISO 468:1982, ISO/R 1024:1969, ISO 1183:1987, ISO 2093/2:1987, ISO 5832-3:1978, ISO 5833-1:1979, ISO 5834-1:1985, ISO 5834-2:1985, ISO 5839:1985, ISO 6506:1981, ISO 6507-1:1982 and ISO 7206-1:1985 to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related British Standard to ISO 2039/2:1987 is BS 2782 *“Methods of testing plastics”* Part 3 *“Mechanical properties”* Method 365 C *“Determination of Rockwell hardness”*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.