INTERNATIONAL STANDARD



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Plain bearings — Thin-walled half bearings with or without flange —

Part 2:

Measurement of wall thickness and flange thickness

Paliers lisses — Demi-coussinets minces à collerette ou sans collerette —

Partie 2: Mesurage de l'épaisseur de paroi et de l'épaisseur de collerette



Reference number ISO 3548-2:2009(E)

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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 Maison 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 3548-2 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 5, *Quality analysis and assurance*.

Together with ISO 3547-7, this part of ISO 3548 replaces ISO 12306, which has been cancelled.

ISO 3548 consists of the following parts, under the general title *Plain bearings* — *Thin-walled half bearings with or without flange*:

Part 2: Measurement of wall thickness and flange thickness

Tolerances, design features and methods of test is to form the subject of a part 1 of ISO 3548¹) and the measurement of peripheral length is to form the subject of a part 3.



¹⁾ It is intended to replace ISO 3548:1999 with ISO 3548-1.

Plain bearings — Thin-walled half bearings with or without flange —

Part 2:

Measurement of wall thickness and flange thickness

1 Scope

This part of ISO 3548 specifies in accordance with ISO 12301, the checking of the wall-thickness of thinwalled half bearings with or without flange and describes the required checking methods and measuring equipment. It applies to a maximum bearing diameter of 150 mm. If this part of ISO 3548 is applied to a greater diameter, an agreement can be formulated between the supplier and the user.

2 Normative references

The following referenced documents are indepensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3548, Plain bearings — Thin-walled half bearings with or without flange — Tolerances, design features and methods of test

ISO 12301, Plain bearings — Quality control techniques and inspection of geometrical and material quality characteristics

3 Terms and definitions

For the purposes of this document, the following terms and definitions approximately the following terms and the following terms and terms approximately terms approximately the following terms and terms approximately terms app

3.1 wall thickness

*s*3

radial distance between the opposing measuring points at the inside and the outside surface diameter

See Figure 1.

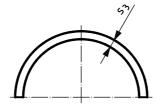


Figure 1 — Wall thickness, s₃, of a half bearing