

INTERNATIONAL STANDARD

ISO
12306

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Plain bearings — Measurement of wall thickness of thin-walled half-bearings and thin-walled bushes

*Paliers lisses — Mesurage de l'épaisseur de paroi des demi-coussinets
minces et des bagues minces*



Reference number
ISO 12306:1994(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 12306 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 5, *Quality analysis and assurance*.

Annex A forms an integral part of this International Standard. Annex B is for information only.

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Plain bearings — Measurement of wall thickness of thin-walled half-bearings and thin-walled bushes

1 Scope

This International Standard describes in accordance with ISO 12301 the checking methods and measuring equipment used for measuring the total wall thickness of thin-walled half-bearings and thin-walled bushes in the finished state.

It is not applicable to thermoplastic bushes.

NOTE 1 All dimensions in this International Standard are given in millimetres.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3547:1976, *Plain bearings — Wrapped bushes — Dimensions, tolerances and methods of checking.*

ISO 3548:1978, *Plain bearings — Thin-walled half bearings — Dimensions, tolerances and methods of checking.*

ISO 4379:1993, *Plain bearings — Copper alloy bushes.*

ISO 6864:1984, *Plain bearings — Thin-walled flanged half bearings — Dimensions, tolerances and methods of checking.*

ISO 12301:1992, *Plain bearings — Quality control techniques and inspection of geometrical and material quality characteristics.*

3 Definition

For the purposes of this International Standard, the following definition applies.

3.1 total wall thickness, s_{tot} : Radial distance between the opposing measuring points at the inside and the outside surface diameter. (See figure 1.)