INTERNATIONAL STANDARD

ISO 4379

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Plain bearings — Copper alloy bushes

Paliers lisses — Bagues en alliages de cuivre

Reference number
ISO 4379:1993(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 4379 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Sub-Committee SC 3, *Dimensions, tolerances and construction details*.

This second edition cancels and replaces the first edition (ISO 4379:1978), which has been technically revised.

Annex A of this International Standard is for information only.

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Plain bearings — Copper alloy bushes

1 Scope

This International Standard specifies dimensions and tolerances for cylindrical and flanged bushes with internal diameter, d_1, in the range 6 mm to 200 mm.

It applies to solid mono-metal copper alloy bushes to be used as plain bearings with and without oil holes and oil grooves.

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 1302:1992, *Technical drawings — Method of indicating surface texture.*

ISO 2768-1:1989, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications.*

ISO 4382-1:1991, *Plain bearings — Copper alloys — Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings.*

ISO 4382-2:1991, *Plain bearings — Copper alloys — Part 2: Wrought copper alloys for solid plain bearings.*

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

3 Dimensions and tolerances

Dimensions shall be as shown and given in figure 1 and in tables 1 and 2.

Tolerances shall be as given in table 3.

Tolerance classes which deviate from those given in this International Standard shall in each case be added in the designation to the nominal size.

The dimensions of d_2 shall be used to determine the IT value in the case of the coaxial tolerance.

The dimensions of d_3 shall be used to determine the IT value in the case of the axial runout.

Details which have not been specified shall be chosen appropriately.

All dimensions are given in millimetres.