
**Plain bearings — Lubrication holes,
grooves and pockets — Dimensions, types,
designation and their application to bearing
bushes**

*Paliers lisses — Trous, rainures et poches de graissage — Dimensions,
types, désignation et leurs applications dans les bagues*



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12128 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 3, *Dimensions, tolerances and construction details*.

This second edition cancels and replaces the first edition (ISO 12128:1995), which has been technically revised.

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Plain bearings — Lubrication holes, grooves and pockets — Dimensions, types, designation and their application to bearing bushes

1 Scope

This International Standard specifies dimensions for lubrication holes, grooves and pockets for bearing bushes. These dimensions can be entered, e.g. on drawings, using the designation examples. Their use depends in particular on the specific operating conditions.

In addition, it enables the user to assign the different types of lubricant feed and distribution to plain bearing bushes made of copper alloys, thermosetting plastics, thermoplastics or of artificial carbon.

NOTE Different types of lubricant feed and distribution for plain bearing bushes made of sintered metals have not been specified due to the fact that these bushes are soaked with lubricant. Plain bearing bushes made of artificial carbon are not lubricated with oil or grease.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

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

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

3 Dimensions, types and designation

3.1 General

The dimensions of the lubrication holes, grooves and pockets are related to the bearing wall thickness s . The given diameter d_1 shall only serve as an auxiliary dimension.

All dimensions are given in millimetres.