



International Standard

ISO 3548-1

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

Part 1: Tolerances, design features and methods of test

AMENDMENT 1

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

*Partie 1: Tolérances, caractéristiques de conception et
méthodes d'essai*

AMENDEMENT 1

**Second edition
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**AMENDMENT 1
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This document was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 3, *Dimensions, tolerances and construction details*.

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

Part 1: Tolerances, design features and methods of test

AMENDMENT 1

Normative references

Add the following reference:

ISO 4378-1, *Plain bearings — Terms, definitions, classification and symbols — Part 1: Design, bearing materials and their properties*

Clause 3

Replace the first paragraph by the following:

"For the purposes of this document, the terms and definitions given in ISO 4378-1 and the following apply."

Add the following terms:

3.1

sliding surface

surface of the bearing

3.2

eccentric bearing bore

bearing where the axis of the bore is parallel to but not coincident with the axis of the outside diameter

3.3

recess in the housing

housing recess

indentation in the housing into which the nick in the bearing engages on assembly

3.4

joint face relief

removal of areas of the joint face to avoid contact and compressive stress where it is undesirable e.g. in flanged bearings where the flanges are relieved from abutting at the joint

3.5

sliding surface relief

reduction in the wall thickness towards the joint face. It is used to avoid the danger of a small step due to manufacturing tolerances in the bearing wall

3.6

scalloped toe

optional joint feature to facilitate maximum material utilization

3.7

flange face

face normal to the axial bore of a bearing, to locate the bearing and, in some cases to take thrust loading

3.8

assembled flange

thrust washers that are integrated into the bearing

3.9

crown

term applied particularly to half bearings to denote the part of the bearing midway between the joint faces

Clause 4, Table 1

Replace line 2 to line 6 by the following:

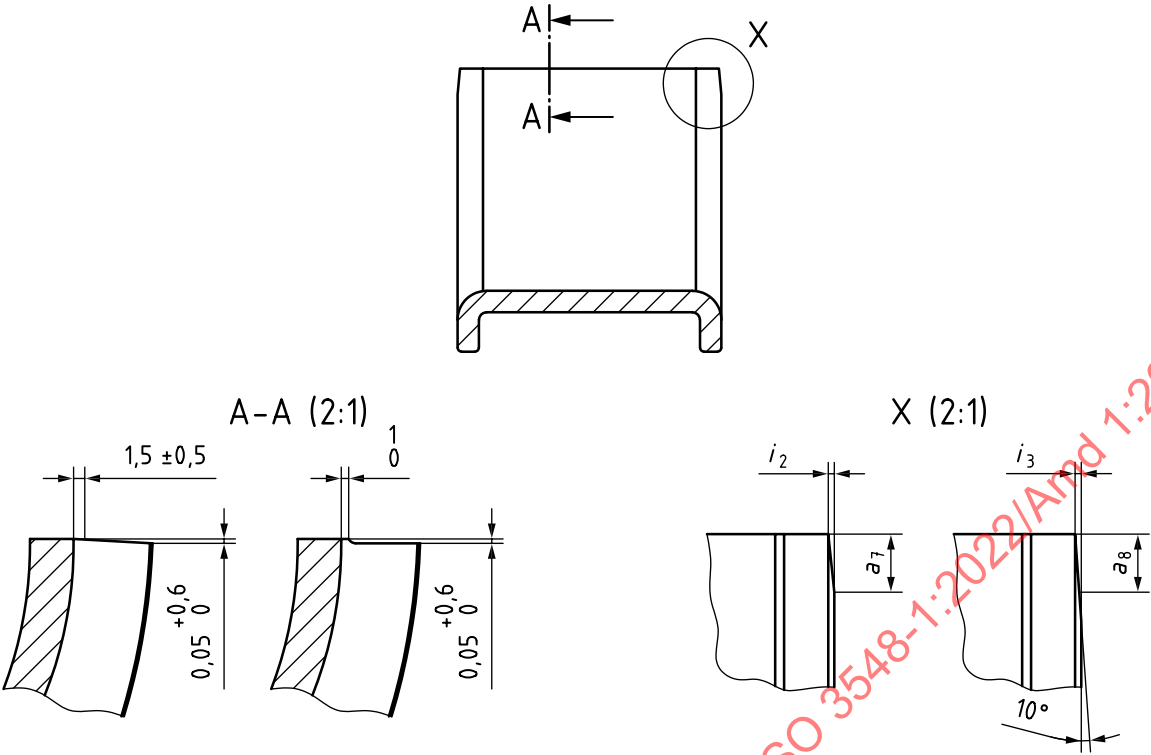
h	Crush height	mm
h_A	Crush height in checking method A	mm
h_B	Crush height in checking method B	mm
h_{B1}	Crush height on first joint face side in checking method B	mm
h_{B2}	Crush height on second joint face side in checking method B	mm

Table 2 and 7.1

Change "crush height, a " to "crush height, h ".

Figure 10

Replace the figure and its key by the following so that it reads:



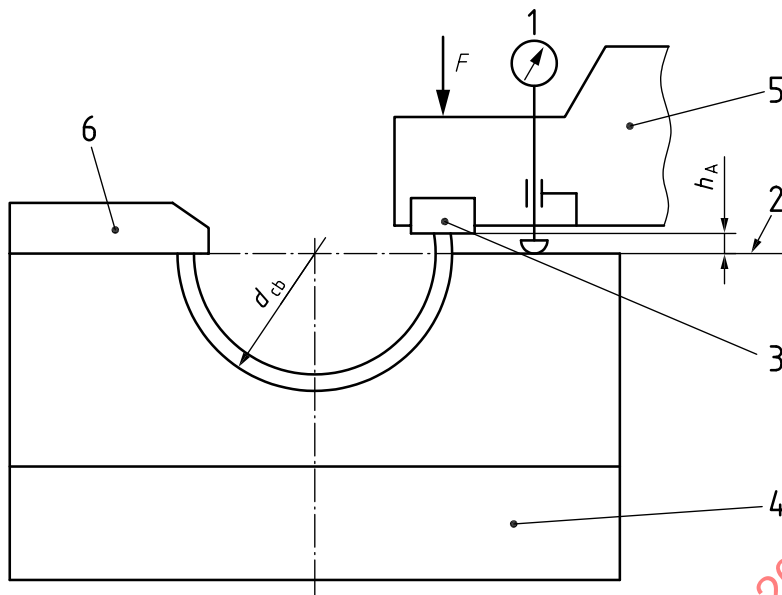
NOTE 1 Design at the option of the manufacturer.

NOTE 2 Sliding surface relief for assembled flange bearing [Figure 10 b)] to be in accordance with ISO 3548-3.

Figure 10 — Flange reliefs

Figure 18

Replace the figure and its key by the following so that it reads:



Key

- 1 dial gauge
- 2 datum
- 3 metering bar
- 4 checking block
- 5 movable measuring head
- 6 fixed stop

Figure 19

Replace the figure by the following so that it reads:

