



**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*

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

A list of all parts in the ISO 3548 series can be found on the ISO website.

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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: 1:2024

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