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# INTERNATIONAL STANDARD

**ISO  
6526**

Second edition  
2017-10

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## Plain bearings — Pressed bimetallic half thrust washers — Features and tolerances

*Paliers lisses — Demi-flasques de butée bimétalliques découpés à la  
presse — Caractéristiques et tolérances*

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## ISO 6526:2017(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 3, *Dimensions, tolerances and construction details*. [SIST ISO 6526:2020](https://standards.iteh.ai/catalog/standards/sist/71f786ad6-7645-4ca9-9ceb-)  
<https://standards.iteh.ai/catalog/standards/sist/71f786ad6-7645-4ca9-9ceb->

This second edition cancels and replaces the first edition (ISO 6526:1983), which has been technically revised.

# Plain bearings — Pressed bimetallic half thrust washers — Features and tolerances

## 1 Scope

This document specifies the main features and tolerances for pressed bimetallic half thrust washers having an outside diameter up to 160 mm.

NOTE 1 All the linear dimensions and tolerances are expressed in millimetres.

NOTE 2 The main dimensions for the half thrust washers are not the subject of this document.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 286-2, *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts*

## 3 Terms and definitions (standards.iteh.ai)

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

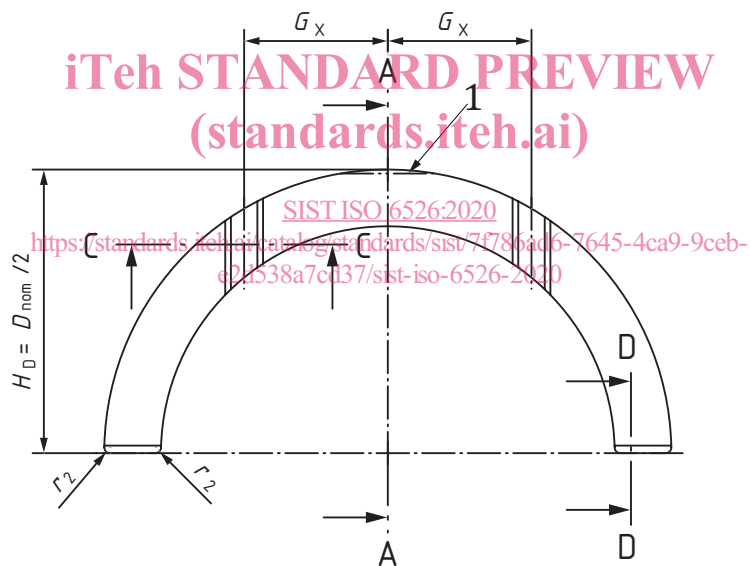
- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

## 4 Symbols

$D$	outside diameter of the washer
$D_{\text{nom}}$	nominal outside diameter of the washer
$d$	inside diameter of the washer
$H_D$	washer height
$e_T$	total washer thickness
$E_D$	height at lug top
$F_D$	height at lug root
$A$	lug width
$\alpha$	groove side angle
$G_W$	groove width

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$G_E$	wall thickness at the back of the groove
$G_x$	distance between groove and the washer axis
$r_1$	width of back chamfer or radius
$r_2$	lug and joint face radius and lug fillet radius
$r_3$	width of sliding surface chamfer or radius
$L_j$	scalloped toe width at joint face
$t_1$	depth of the sliding chamfered relief
$t_2$	depth of the sliding flat relief
$l_2$	height of the sliding flat relief
$\beta$	sliding surface relief angle at joint faces
$p$	flatness limit

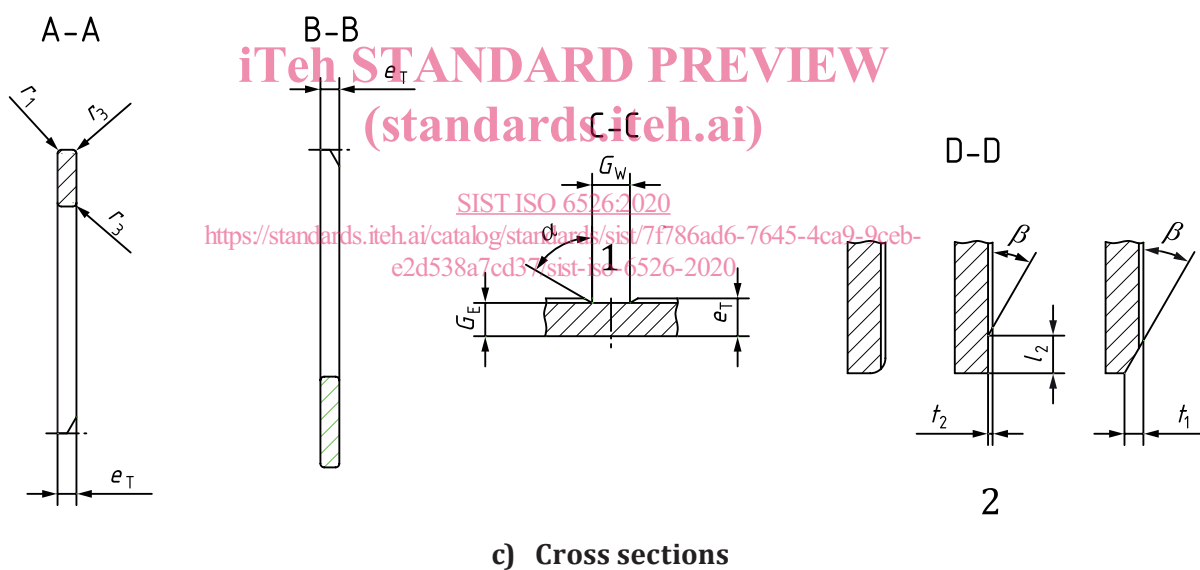
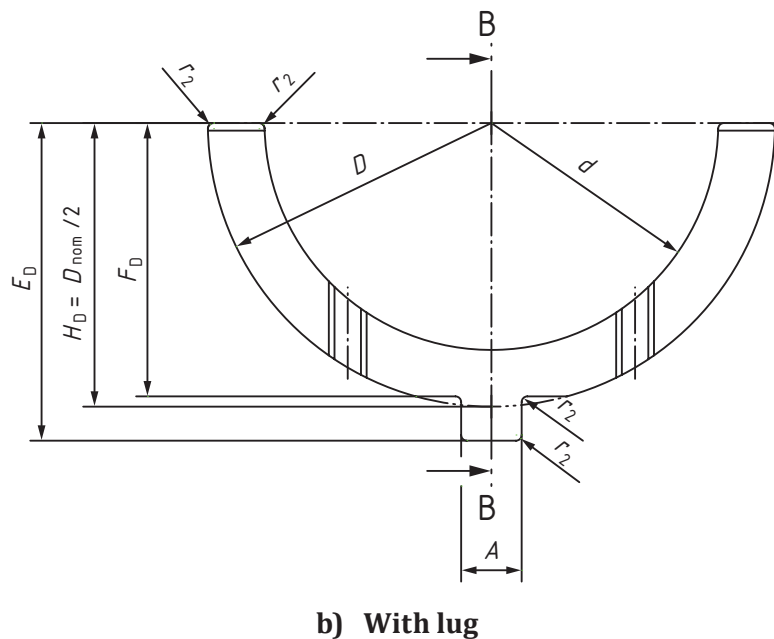


a) Without lug

## Key

1 optional flat





**Key**

- 1 groove
- 2 blanking radius and joint face sliding surface relief

**Figure 1 — Half thrust washers with and without lug**