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Plain bearings — Thermoplastic bushes — Dimensions and tolerances

Paliers lisses — Bagues thermoplastiques — Dimensions et tolérances

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Foreword

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This document was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 7, *Special types of plain bearings*.

This second edition cancels and replaces the first edition (ISO 16287:2005), which has been technically revised. The main changes compared to the previous edition are as follows:

— Clause 3, “Terms and definitions”, has been added;

— Figures 2 and 3 have been revised.

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Plain bearings — Thermoplastic bushes — Dimensions and tolerances

1 Scope

This document specifies the dimensions and tolerances for inserted thermoplastic bushes used as plain bearings with or without lubrication grooves in accordance with ISO 12128. These thermoplastic bushes are dimensionally exchangeable to wrapped bushes according to ISO 3547-1.

This document is not applicable to reinforced plastics.

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 554, *Standard atmospheres for conditioning and/or testing — Specifications*

ISO 3547-2, *Plain bearings — Wrapped bushes — Part 2: Test data for outside and inside diameters*

ISO 6691, *Thermoplastics polymers for plain bearings — Classification and designation*

3 Terms and definitions

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

B	nominal width of bush
B_{fl}	flange thickness
C_i	inside chamfer
C_o	outside chamfer
D_{fl}	flange diameter
D_H	nominal housing bore diameter
D_i	nominal inside diameter of the bush
$D_{i,ch}$	inside diameter of the bush when inserted in a ring gauge middle H7
D_o	nominal outside diameter of the bush
r	radius for flange bushes

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