
**Plain bearings — Thermoplastic
bushes — Dimensions and tolerances**

Paliers lisses — Bagues thermoplastiques — Dimensions et tolérances



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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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ISO 16287 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 3, *Dimensions, tolerances and construction details*.

Plain bearings — Thermoplastic bushes — Dimensions and tolerances

1 Scope

This International Standard 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 International Standard is not applicable to reinforced plastics.

2 Normative references

The following referenced documents are indispensable for the application 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 286-1, *ISO system of limits and fits — Part 1: Bases of tolerance, deviations and fits*

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

ISO 3547-1, *Plain bearings — Wrapped bushes — Part 1: Dimensions*

ISO 3547-2:1999, *Plain bearings — Wrapped bushes — Part 2: Test data for outside and inside diameter*

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

ISO 12128, *Plain bearings — Lubrication holes, grooves and pockets — Dimensions, types, designation and their application to bearing bushes*

ISO 12301, *Plain bearings — Quality control techniques and inspection of geometrical and material quality characteristics*

3 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