BS ISO 11687-1:2020

BSI Standards Publication

Plain bearings — Pedestal plain bearings

Part 1: Pillow blocks

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National foreword

This British Standard is the UK implementation of ISO 11687-1:2020.

The UK participation in its preparation was entrusted to Technical Committee MCE/12, Plain bearings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Part 1: Pillow blocks

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Foreword

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO 11687-1:1995), which has been technically revised.

The main changes compared to the previous edition are as follows:

— Clause 2 has been updated;

— the former Clause 6 (now Clause 7) has been updated.

A list of all parts in the ISO 11687 series can be found on the ISO website.

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Plain bearings — Pedestal plain bearings —

Part 1:
Pillow blocks

1 Scope

This document specifies design characteristics for pillow blocks for size ranges 9 to 28 and 35 to 71, as well as design characteristics for shafts.

It is applicable to pillow blocks used mainly in electrical and turbo engineering industries.

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 185, *Grey cast iron — Classification*

ISO 630-2, *Structural steels — Part 2: Technical delivery conditions for structural steels for general purposes*

ISO 683-3, *Heat-treatable steels, alloy steels and free-cutting steels — Part 3: Case-hardening steels*

ISO 1302, *Geometrical Product Specifications (GPS) — Indication of surface texture in technical product documentation*

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 2768-2, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications*

ISO 4381, *Plain bearings — Tin casting alloys for multilayer plain bearings*

ISO 8062-3, *Geometrical product specifications (GPS) — Dimensional and geometrical tolerances for moulded parts — Part 3: General dimensional and geometrical tolerances and machining allowances for castings*

ISO 12129-1, *Plain bearings — Tolerances — Part 1: Fits*

ISO 12129-2, *Plain bearings — Tolerances — Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars*

ISO 14737, *Carbon and low alloy cast steels for general applications*

ASTM B124/B124M, *Standard Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes*

3 Terms and definitions

No terms and definitions are listed in this document.

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