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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 18323-2022

Replacing GB/T 18323-2001

Plain bearings - Sintered bushes - Dimensions and tolerances

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces GB/T 18323-2001 "Dimensions and Tolerances of Sintered Bushings for Sliding Bearings" and is consistent with GB/T 18323-2001

The main technical changes are as follows.

---Changed the nomenclature of the bushing, changing "flange bushing" to "flange bushing" (see Chapter 1 and Chapter 6, the.2001 edition

Chapters 1 and 5);

--- Changed the material requirements for the manufacture of shaft sleeves (see Chapter 4, Chapter 3 of the.2001 edition);

--- Changed the length value and length value separation method in Table 1, and added a

description of the length value separation (see 5.1,.2001 edition

Table 1, Table 3);

---Change "location pin" to "pin shaft for assembly" (see 5.2 and 6.2, 4.2 and 5.2 of the.2001 edition);

--- The content of the note is given as a normative content in the paragraph (see 5.2, 6.2 and 7.1, 4.2, 5.2 and 6.1 of the.2001 edition).

This document is modified to adopt ISO 2795.2020 "Dimensions and Tolerances of Sintered Bushings for Sliding Bearings".

The technical differences between this document and ISO 2795.2020 and their reasons are as follows.

--- Replaced ISO 5755 (see Chapter 4) with the normatively quoted GB/T 19076 to adapt to the technical conditions of our country;

--- Changed the reference object of the tolerance (see 7.2), and the reference object is accurately described as "housing hole tolerance";

--- Changed the labeling method of 45° chamfer (see Figure 1, Figure 2, Figure 3) to comply with my country's mechanical drawing specifications.

This document has the following editorial changes compared to ISO 2795.2020.

--- Changed the expression of Chapter 1 to comply with the structure and drafting rules of standardized documents;

---Change the partial sectional view in Figure 1 and Figure 2 to a full sectional view, change Figure 3 to a full sectional view, and change the reference position in Figure 1 and Figure 2 Set, in order to comply with my country's mechanical drawing specifications;

--- Increase the description of length value separation (see Table 1, Table 3);

--- Changed the header (see Table 5) to a unified format.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

This document gives the dimensions of sintered bushings based on the range of shaft diameters (diameters) corresponding to industry requirements. Based on regular size series

In addition, a series of thin-walled dimensions is given for selection, thereby taking into account sliding bearings made of other materials with the same dimensions.

Dimensions and tolerances of sintered sleeves for plain bearings

1 Scope

This document specifies the dimensions and tolerances for sintered bushings.

This document applies to sintered bushings in the following inner diameter ranges.

--- Cylindrical bushing. 1mm~60mm;

--- Flanged bushing. 1mm~60mm;

--- Spherical bushing. 1mm~20mm.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

GB/T 19076 Specification for sintered metal materials (GB/T 19076-2022, ISO 5755.2012, IDT)

3 Terms and Definitions

This document does not have terms and definitions that need to be defined.

4 materials

The materials used to manufacture sintered bushings shall comply with the provisions of GB/T 19076.

5.1 Dimensions

See Figure 1, Table 1 and Table 2 for the dimensions of the cylindrical bushing.