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

GB/T 12613.1-2011

Replacing GB/T 12613.1-2002

Plain bearings -- Wrapped bushes -- Part 1: Dimensions

滑动轴承 卷制轴套 第1部分: 尺寸

(English Translation)

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Foreword

GB/T 12613 "Plain bearings - hub" consists of the following seven parts.

- Part 1. Dimensions;
- Part 2. outside and inside diameter of the test data;
- Part 3. Lubrication holes, grooves and pockets;
- Part 4. Materials;
- Part 5. diameter test;
- Part 6. inner diameter of the test;
- Part 7. Measurement of wall thickness of thin-walled sleeve.

This part of GB/T 12613 Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 12613.1-2002 "Plain bearings - Wrapped bushes - Part 1. Dimensions." And GB/T 12613.1-2002 Compared main changes are as follows.

- Increase the Chapter 4, "Symbols and units";
- Increasing the wall thickness of 0.5mm, and gives its inner and outer chamfering limit deviation;
- Increasing the inner diameter of 2mm, 3mm, 5mm, 7mm, 17mm, 37mm;
- Bushings increased width 3mm, 5mm, 7mm, 115mm;
- Increased Table 3 "flanged bushings preferred nominal dimensions and limit deviations";
- Increasing the wall thickness tolerance series "Series E";
- Remove the multilayer metal material of steel back bushings thickness deviation limit

provisions (2002 Version 3 tables, 5 tables in this edition);

- Increasing the outer diameter larger than 180mm diameter limit deviation;
- Increasing the inner diameter of 4mm or less in size, the bearing bore tolerance class H6;
- Adjusting sleeve marking requirements.

This section uses the translation method identical with the international standard ISO 3547-1:2006 "Plain bearings - Wrapped bushes - Part 1. Dimensions." Consistency correspondence between this part of international documents and normative references of our files are as follows.

- GB/T 2889.1-2008 Plain bearings - Terms, definitions and classification - Part 1. Design, bearing materials and their properties (ISO 4378-1:1997, IDT) Regular outline law assessment of surface texture (GPS) Surface texture --- GB/T 10610-2009 Geometrical product specifications and method (ISO 4288:1996, IDT)
- GB/T 12613.4-2011 Plain bearings - Wrapped bushes - Part 4. Materials (ISO 3547-4:2006, IDT)
- GB/T 19096-2003, Technical Drawing edges of undefined shape terminology and injection method (ISO 13715:2000
Technical drawings-Edges of undefined shape-Vocabulary and indication, IDT)
- 27939-2011 sliding bearing geometrical and material quality characteristics of quality GB/T control techniques and inspection (ISO 12301.
2007, IDT)

For ease of use, this section made the following editorial changes.

- To increase the range. "Note. Except otherwise specified and the specified unit, GB/T 12613 in this section All dimensions in mm Meter. "Delete the text on the table," millimeters";
- The International Standard ISO 4288 normative reference into this part of the normative references list;
- Equivalent adoption of international standards in place of the standard corresponding to international standards;
- Chapter 5 will see the standard ISO 3547-6 placed by reference.

This part is proposed by China Machinery Industry Federation.

Bearing this in part by the National Standardization Technical Committee (SAC/TC236) centralized.

This section is responsible for drafting unit. Productivity Promotion Center in the machine.

Participated in the drafting of this section. Zhejiang Changsheng Sliding Bearings Co., Ltd., Zhejiang SF Oilless Bearing Co., Ltd., Zhejiang Bearing Co., Ltd., Bearing Co., Ltd. Jiashan Feng into three complex.

This part of the standard replaces the previous editions are.

--- GB/T 12613-1990;

--- GB/T 12613.1-2002.

Plain bearings - Wrapped bushes - Part 1. Dimensions

1 Scope

GB/T 12613 provisions of this part of the single and multilayer bearing material rolling cylinder sleeve and flange dimensions and marking.

Note: Except otherwise specified and the specified unit, GB/T 12613 in this section All dimensions are in millimeters.

2 Normative references

The following documents for the use of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 12613.2-2011 Plain bearings - Wrapped bushes - Part 2. outside and inside diameter of the test data (ISO 3547-2.

2006, IDT)

ISO 3547-4 Plain bearings - Wrapped bushes - Part 4. Materials

(Plainbearings-Wrappedbushes-Part 4.

Materials)

(GPS) Surface structure ISO 4288 Geometrical product specifications. Profile method - Rules and procedures for evaluation of the surface structure

(GeometricalProductSpecifications (GPS) -Surfacetexture.

Profilemethod-Rulesandprocedures fortheassessmentofsurfacetexture) ISO 4378-1 Plain bearings - Terms, definitions and classification - Part 1. Design, bearing materials and their properties (Plainbearings-Terms, definitionsandclassification-Part 1. Design,

bearingmaterialsandtheirproperties) Quality ISO 12301 bearing geometrical and material quality characteristics of control and inspection (Plainbearings-Quality

controltechniquesandinspectionofgeometricalandmaterialqualitycharacteristics) ISO 13715

Technical drawings edges of undefined shape terminology and injection method

(Technical drawings-Edges of undefined shape-Vocabulary and indications)

3 Terms and Definitions

Terms and definitions, as defined in ISO 4378-1 apply to this document.

4 Symbols and units

Symbols and units used in this section are shown in Table 1.

Table 1 Symbols and units

Symbol	Description	Unit
B	bush width	mm
Ci	fillet	mm
Co	outer chamfering	mm