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

GB/T 12613.2-2011

Replacing GB/T 12613.2-2002

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

滑动轴承 卷制轴套 第2部分: 外径和内径的检测数据
(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 2.

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

This Part replaces GB/T 12613.2-2002 "Plain bearings - Wrapped bushes - Part 2. outside and inside diameter of the test data." versus GB/T 12613.2-2002 compared to major changes are as follows.

- Chapter 2 normative references deleted GB/T 18331.1-2001, ISO 12307-2;
- Increased flange diameter symbol D_{fl} , housing bore diameter symbol D_H , bend radius flange symbol r , symbol flange thickness, diameter D_o symbol limit deviations from the "T" to " ΔD_o ";
- Increased flanged bushings inside and outside diameter Figure;
- 1 comments added provisions "nominal wall thickness of the steel backing layer thickness of 0.5mm removing the smallest chamfer part is 0.2mm." And " $R_{max} = s_3$ ";
- Increased Table 3 "sleeve wall thickness s_3 , steel back thickness s_1 , s_2 bearing material

layer of nominal size";

- Refine and increase the effective cross-sectional area of the formulas applicable type of material;
- Fixed sample calculation test mode diameter dch, calculation data 1 (2002 edition as 30.072 mm, this edition is 34.072mm);
- Test Method B increased provisions applicable to the sleeve outer diameter of 120mm or less;
- Test Method C increase in provisions applicable to the inner diameter of 120mm below the hub;
- Test Method C through increased regulation and the only regulation size calculation formula;
- Increase the inner diameter of the ring is calculated (Excerpts tables 6) Test Method C time;
- Modifies the data sample of test method C;
- Revised test method D data showing the example of FIG.

This section uses the translation method identical with the international standard ISO 3547-2:2006 "Plain bearings - Wrapped bushes - Part 2. outside and the inner diameter of the test data. " 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) 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 indications, IDT) 27939-2011 sliding bearing geometrical and material quality characteristics of quality GB/T control techniques and inspection (ISO 12301:2007, IDT) and ISO 3547-2:2006 as compared to this section made the following editorial changes.

- To increase the range. "Note 2. 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";
- Equivalent adoption of international standards in place of the standard corresponding to international standards.

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 12613.2-2002.

Plain bearings - Wrapped bushes Part 2. outside and inside diameter of the test data

1 Scope

GB/T 12613 provisions of this part of the single-layer and multi-layer material rolled into a bush outside and inside diameters of the test data, and provides Test methods, labeling methods.

Since the sleeve wall thickness measurement is carried out in a free state, the figure does not specify test requirements (according to GB/T 12613.5 and GB/T 12613.6).

Note 1: Due to the manufacturing method of rolling bush, on the outer surface of the sleeve will be a slight depression; similarly, there Lubrication holes, grooves and indentations appear hub Deformation. Therefore, measuring the wall thickness of the sleeve should avoid these locations.

Note 2: In addition to the marked and designated special units, 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 12613.1-2011 Plain bearings - Wrapped bushes - Part 1. Dimensions (ISO 3547-1:2006, IDT) GB/T 12613.4-2011 Plain bearings - Wrapped bushes - Part 4. Materials (ISO 3547-4:2006, IDT) ISO 4378-1 Plain bearings - Terms, definitions and classification - Part 1. Design, bearing materials and their properties (Plain bearings-Terms, definitionsandclassification-Part 1. Design, bearingmaterialsandtheirproperties) ISO 13715 Technical drawings of undefined shape side edges of undefined shape terminology and injection method (Technicaldrawing-Edges ofundefinedshape-Vocabularyandindications) Quality ISO 12301 bearing geometrical and material quality characteristics of control and inspection (Plainbearings-Quality controltechniquesandinspectionofgeometricalandmaterialqualitycharacteristics)

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.