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GB/T 301-2015

Replacing GB/T 301-1995

Rolling Bearings – Thrust Ball Bearings – Boundary Dimensions

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Issued on: December 31, 2015

Implemented on: April 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China;
Standardization Administration of the People's Republic of China.**

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 301-1995, *Rolling Bearings – Thrust Ball Bearings - Boundary Dimensions*. Compared with GB/T 301-1995, the main technical changes of this Standard are as follows:

- it adds normative references, terms and definitions and codes (see Chapter 2, Chapter 3 and Chapter 5);
- it modifies part of symbols and definitions (see Chapter 4; Chapter 2 of 1995);
- it deletes the structural diagrams and dimensions tables (see Figure 3 to Figure 6 and Table 8 to Table 13 of Edition 1995);
- it adds the types and dimensions of some bearings (see Table 1, Table 2 and Table 4 to Table 7); and
- it deletes the annex of “cross reference of structural type codes of old and new bearings” (see Annex A of Edition 1995).

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of the National Standardization Technical Committee on Rolling Bearings (SAC/TC 98).

The drafting organizations of this Standard: Harbin Bearing Group Corp., Luoyang Bearing Research Institute Co., Ltd. and Zhejiang Meiyate Precision Transfers Component Co., Ltd.

The main drafters of this Standard: Song Yucong, Yong Taifang, Zhou Youfeng, Jia Qiusheng and Weng Shixi.

The editions of the standard replaced by this Standard are as follows:

- GB/T 301-1964, GB/T 301-1984 and GB/T 301-1995.

Rolling Bearings – Thrust Ball Bearings – Boundary Dimensions

1 Application Scope

This Standard specifies boundary dimensions of single-direction and double-direction thrust ball bearings which conform to GB/T 273.2.

This Standard applies to design and selection of bearings.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced documents (including all amendments) applies to this Standard.

GB/T 272, *Rolling Bearing – Identification Code*

GB/T 273.2, *Rolling Bearings – Thrust Bearings – Boundary Dimensions General Plan*

GB/T 274, *Rolling Bearings – Chamfer Dimension – Maximum Values*

GB/T 6930, *Rolling Bearings – Vocabulary*

GB/T 7811, *Rolling Bearings – Symbols for Physical Quantities*

JB/T 2974-2004, *Rolling Bearings – Identification Code – Supplemental Regulations*

3 Terms and Definitions

For the purpose of this document, the terms and definitions defined in GB/T 6930 shall apply.

4 Symbols

The following symbols and those given in GB/T 7811 apply to this document.

Unless specified otherwise, the symbols shown in Figure 1 and Figure 2 and the

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