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GB/T 296-2015

Replacing GB/T 296-1994

**Rolling bearings - Double row angular contact
ball bearings - Boundary dimensions**

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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 296-1994 *Rolling bearings - Double row angular contact ball bearings - Boundary dimensions*. Compared with GB/T 296-1994, the main technical changes are as follows:

- modified the scope (see Clause 1 of this Edition, Clause 1 of Edition 1994);
- added and modified some normative references (see Clause 2 of this Edition, Clause 2 of Edition 1994);
- added “terms and definitions” “structure type” and “codes” (see Clause 3, Clause 5 and Clause 6 of this Edition);
- modified the name of “double row angular contact ball bearings with ball gap” to “double row angular contact ball bearings with filling slot” (see Clause 5 of this Edition, Clause 3 of Edition 1994);
- deleted double row angular contact ball bearing structure type of one side with a dust cover and one side with a ring as well as its schematic diagram (see Figure 3, Figure 5 of Edition 1994);
- added the specification of the maximum chamfer size (see Table 1, Table 2 of this Edition);
- deleted the code of double row angular contact ball bearing structure type of one side with a dust cover and one side with a ring as well as its boundary dimensions (see Table 1, Table 2 of this Edition);
- modified bearing size range (see Table 1, Table 2 of this Edition, Table 1, Table 2 of Edition 1994);
- deleted the code of 40 series double inner ring double row angular contact ball bearings as well as its boundary dimensions (see Table 3 of Edition 1994);
- deleted Annex “Comparison on new and old bearing codes” (see Annex A of Edition 1994).

This Standard was proposed by China Machinery Industry Federation.

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

Rolling bearings - Double row angular contact ball bearings - Boundary dimensions

1 Scope

This Standard specifies the boundary dimensions of double row angular contact ball bearings, double row angular contact ball bearings with filling slot, double row angular contact ball bearings with dust covers at both sides, double row angular contact ball bearings with seal rings at both sides, double inner ring double row angular contact ball bearings (hereinafter referred to as “bearings”) which are in accordance with GB/T 273.3-2015.

This Standard is applicable to bearing design and selection.

2 Normative references

The following referenced documents are indispensable for the application 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.

GB/T 272-1993, *Rolling bearing - Identification code*

GB/T 274-2000, *Rolling bearings - Chamfer dimension - Maximum values*

GB/T 6930-2002, *Rolling bearings - Vocabulary*

GB/T 7811-2007, *Rolling bearings - Symbols for quantities*

JB/T 2974-2004, *Rolling bearings - Identification code - Supplemental regulations*

3 Terms and definitions

The terms and definitions specified in GB/T 6930-2002 apply to this Standard.

4 Symbols

The symbols given in GB/T 7811-2007 as well as the following ones apply to this document.

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