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GB/T 294-2015

Replacing GB/T 294-1994

Rolling Bearings – Three-Point and Four-Point Contact Ball Bearings – Boundary Dimensions

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 294-1994 *Rolling Bearings – Three-Point and Four-Point Contact Ball Bearings – Boundary Dimensions*; compared with GB/T 294-1994, this Standard has the following major technical changes besides the editorial modifications:

- Added terms and definitions (see Chapter 3);
- Added bearing codes (see Chapter 5);
- Added QJF structural types, boundary dimensions of bearings in Series-10 and Series-02 (See Table 1 and Table 2);
- Deleted the comparison between old and new bearing codes (See Appendix A of 1994 Edition).

This Standard was proposed by China Machinery Industry Federation.

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

Drafting organizations of this Standard: Luoyang Bearing Research Institute Co., Ltd., Zhongshan Yingke Bearing Manufacturing Co., Ltd., Ningbo Cixing Bearing Co., Ltd., and Shandong Yujie Bearing Manufacturing Co., Ltd.

Chief drafting staffs of this Standard: Guo Baoxia, Pang Jianlin, Zhao Kun, Cai Meigui, and Li Jiemei.

The historical editions replaced by this Standard are as follows:

- GB 294-1964, GB 294-1983, GB/T 294-1994.

Rolling Bearings – Three-Point and Four-Point Contact Ball Bearings – Boundary Dimensions

1 Scope

This Standard specifies the boundary dimensions of three-point and four-point contact ball bearings (hereinafter referred to as “bearing”) stipulated in GB/T 273.3-2015.

This Standard is applicable to the design and type-selection of the bearing.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 272-1993 Rolling Bearings – Identification Code

GB/T 274-2000 Rolling Bearings – Chamfer Dimension – Maximum Values

GB/T 6930-2002 Rolling Bearings – Vocabulary

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

3 Terms and Definitions

The terms and definitions defined in GB/T 6930-2002 are applicable to this document.

4 Symbols

The following symbols are applicable to this document.

Unless otherwise is specified, the symbols shown in Figure 1~Figure 3 and values shown in Table 1~Table 3 are nominal dimensions.

NOTE: the Figure is only structural example, the bearing doesn't have to be exactly consistent

Bibliography

- [1] GB/T 273.3-2015 Rolling Bearings – General Plan of Boundary Dimensions – Part
3: Radial Bearings

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