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

GB/T 20058-2017

Replacing GB/T 20058-2006

**Rolling bearings -- Single-row angular contact ball bearings --
Chamfer dimensions for outer ring non-thrust side**

滚动轴承 单列角接触球轴承 外圈非推力端倒角尺寸

(English Translation)

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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 20058-2006 "single row angular contact ball bearings rolling contact non-thrust end chamfer size" and GB/T 20058-2006 compared to, in addition to editorial changes, the main technical changes are as follows.

- Modify the scope of the statement (see Chapter 1, 2006 edition Chapter 1);
- Adjust the normative references (see Chapter 2, 2006 edition Chapter 2);
- Added terms and definitions (see Chapter 3);
- Modify part of the symbols and definitions (see Chapter 4, 2006 edition Chapter 3);
- Chamfer size as a separate chapter (see Chapter 5, 2006 edition Chapter 4);
- Increasing the size of the segment single row angular contact ball bearings non-thrust end chamfer dimensions (see Table 1, 2006 edition of Table 1);
- Added references (see references).

This standard uses the translation method identical with ISO 12044:2014 "Single row angular contact ball bearings Rolling non-thrust end chamfer size".

The documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

- GB/T 6930-2002 rolling bearing vocabulary (ISO 5593:1997, IDT)
- GB/T 7811-2015 Rolling bearing parameter symbols (ISO 15241:2012, IDT) this standard is proposed by the China Machinery Industry Federation.

This standard by the National Standardization Technical Committee Rolling Bearing (SAC/TC98) centralized.

This standard was drafted unit. Zhejiang Mega Electrical Co., Ltd., Xiangyang Automobile

Bearing Co., Ltd., Zhejiang Youte Bearing Co., Ltd.

Division, Xinchang, Zhejiang Province axis Industrial Co., Ltd., Luoyang Bearing Institute Co., Ltd..

1 Scope

This standard specifies the single row angular contact ball bearing non-thrust end of the chamfer dimensions, the chamfer dimensions and ISO 15 [1] with. This standard applies to the contact angle does not exceed 30° diameter series 9,0 and 2 bearings, and the contact angle of more than 30° diameter series 2 and 3 bearings.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 5593 Rolling Bearings vocabulary (Rollingbearings-Vocabulary) ISO 15241 Rolling bearings symbols (Rollingbearings-Symbolsforphysicalquantities)

3 Terms and definitions

ISO 5593 defines the terms and definitions apply to this document.

4 Symbol

ISO 15241 given as well as the following symbols apply to this document.

Unless indicated otherwise, the symbols shown in Figure 1 and the values shown in Table 1 all indicate nominal dimensions.

d. bearing diameter

r1. Outer ring non-thrust end chamfer dimensions r1smin. Outer ring non-thrust end of the smallest single chamfer dimensions alpha. Contact angle