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GB/T 300-2023

Replacing GB/T 300-2008

**Rolling Bearings - Four-row Tapered Roller Bearings -
Boundary Dimensions**

滚动轴承 四列圆锥滚子轴承 外形尺寸

Issued on: May 23, 2023

Implemented on: December 1, 2023

Issued by: State Administration for Market Regulation;

Standardization Administration of the People's Republic of China.

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Foreword

This document was drafted in accordance with the rules of GB/T 1.1-2020 *Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This document serves as a replacement of GB/T 300-2008 *Rolling Bearings - Four Row Tapered Roller Bearings - Boundary Dimensions*. In comparison with GB/T 300-2008, apart from editorial modifications, the main technical changes are as follows:

- a) The Chapter “Terms and Definitions” is added (see Chapter 3);
- b) The symbol and value of the contact angle of bearings are added (see Chapter 4 and Table 1 ~ Table 6);
- c) The Chapter “Identification Code” is added (see Chapter 5).

Please be noted that certain content of this document may involve patents. The institution issuing this document does not undertake the responsibility of identifying these patents.

This document was proposed by China Machinery Industry Federation.

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

The drafting organizations of this document: Luoyang LYC Bearings Co., Ltd.; Luoyang Bearing Research Institute Co., Ltd.

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The issuing of the previous versions:

---GB 300-1964, GB 300-1987, GB/T 300-1995, GB/T 300-2008;

---This is the fourth revision.

Rolling Bearings - Four-row Tapered Roller Bearings - Boundary Dimensions

1 Scope

This document specifies the boundary dimensions of four-row tapered roller bearings.

This document is applicable to the design and user type selection of four-row tapered roller bearings.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in the text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 272 Rolling Bearings - Identification Code

GB/T 274-2023 Rolling Bearings - Chamfer Dimension - Maximum Values

GB/T 6930 Rolling Bearings - Vocabulary

3 Terms and Definitions

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

4 Symbols

The following symbols are applicable to this document.

Unless otherwise specified, the symbols shown in Figure 1 and the values shown in Table 1 ~ Table 6 represent nominal dimensions.

B : overall width of bearing inner ring

B_1 : double raceway inner ring width

b : width of outer ring spacer

C : overall width of bearing outer ring

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