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

**中华人民共和国国家标准**

GB/T 288-2013

Replace GB/T 288-1994

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**Rolling bearing—Self-aligning roller bearing  
—Boundary dimensions**

**滚动轴承 调心滚子轴承 外形尺寸**

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Standardization Administration of the People's Republic of  
China

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## Foreword

This standard is prepared according to the rules specified in GB/T 1.1-2009.

This standard will replace GB/T 288-1994 *Rolling bearings —Self-aligning roller bearings —Boundary dimensions*, comparison with GB/T 288-1994, main changes of this standard are as follows:

In addition to editorial modification, the main technical changes are as follows:

- Deleted some of the bearing structure diagram (See Figures 1 to 3, Figure 7 and Figure 9 to 16 of 1994 Edition);
- Added boundary dimensions of 38, 39, 48 and 49 series of bearing (See Table 1 to 4);
- Deleted code of the relevant holders (See Table 1 to 14 of 1994 Edition);
- Added boundary dimensions of some series of bearing (see Table 5-10, table 12, 14 and table 16);
- Deleted the relevant dimensions of adapter sleeve (See Table 13 to 18 of 1994 Edition);
- Added structure diagrams and boundary dimensions of 22 and 23 series of sealed bearing (See Annex A);
- Deleted New and Original Code Comparison (See Annex A of 1994 Edition),

This Standard is proposed by China Machinery Industry Federation

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

The responsible drafting organizations are Luoyang Bearing Research Institute Co., Ltd, Wuxi Rolling Bearing Co., Ltd, Fujian Yongan Bearing Co., Ltd, Zhongshan Yingke Bearing Manufacturing Co., Ltd, Shandong Yujie Bearing Manufacturing Co., Ltd and Shandong Camry Bearing Technology Co., Ltd.

The chief drafting staff of this standard includes Guo Baoxia, Kong Weitao, Cai Binhua, Chen Qingxi, Cai Meigui, Ren Qinghua, Huang Mingming and Zhao Rongduo.

This standard replaces the following historical editions issued:

- GB 287-1964, GB 287-1981, GB 287-1987;
- GB 288-1964, GB 288-1981, GB 288-1987, GB 288-1994.

# Rolling bearing—Self-aligning roller bearing —Boundary dimensions

## 1 Scope

This Standard specifies boundary dimensions of self-aligning roller bearing and self-aligning roller bearing with adapter sleeve (hereinafter referred to as bearing), which comply with GB/T 273.3-1999.

This Standard applies to design and model selection of self-aligning roller bearings.

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 272-1993 Rolling bearing—Identification code

GB/T 273.3-1999 Rolling bearings—Radial bearings—Boundary dimensions, general plan

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

GB/T 6930-2002 Rolling bearings-Vocabulary

GB/T 9160.1-2006 Rolling bearings — Accessories — Part 1: Tapered sleeves

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

## 3 Terms and definitions

For the purpose of this standard, the terms and definitions specified in GB/T 6930-2002 apply.

## 4 Symbols

The following symbols apply to this document.

Unless otherwise stated, symbols as shown in Figure 1 to 4 and numbers as shown in Table 1 to 18 are nominal dimension.

Note: The diagram is used as example of structure only.

*B*: Bearing width

*D*: Bearing outside diameter

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