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

GB/T 20056-2015

**Rolling bearings -- Radial needle roller and cage assemblies --
Boundary dimensions and tolerances**

滚动轴承 向心滚针和保持架组件 外形尺寸和公差

(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 20056-2006 "Rolling bearings - Radial needle roller and cage assemblies - Dimensions and tolerances". Compared with GB/T 20056-2006, in addition to editorial modifications, the main technical changes are as follows.

- modified the standard name;
- added the symbol of a single width deviation of cage and modified its lower limit deviation value (see Clause 4 and Table 3 of this Edition, 5.2 of Edition 2006);
- modified the annex "Tolerances for shaft raceway, housing raceway and raceway widths" (see Annex A of this Edition, Annex A of Edition 2006).

This Standard uses translation method and identically adopts ISO 3030.2011 "Rolling bearings - Radial needle roller and cage assemblies - Boundary dimensions and tolerances".

The Chinese documents which have consistency with the international normative references in this Standard are as follows.

- GB/T 307.2-2005 Rolling bearings - Measuring and gauging principles

and methods (ISO 1132-2.2001, MOD)

- GB/T 309-2000 Rolling bearings - Needle rollers (neq ISO 3096.1996)
- GB/T 4199-2003 Rolling bearings - Tolerances - Definitions (ISO 1132-1.2000, MOD)
- GB/T 6930-2002 Rolling bearings--Vocabulary (ISO 5593.1997, IDT)
- GB/T 7811-2015 Rolling bearings - Symbols for physical quantities (ISO 15241.2012, IDT)

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).

The drafting organizations of this Standard. Luoyang Bearing Research Institute Co., Ltd., Suzhou Bearing Factory Co., Ltd., Changzhou Koyo Bearing Co., Ltd., Jining Jingyi Bearing Co., Ltd., Qidong Jinqiao Bearing Co., Ltd.

Main drafters of this Standard. Song Yucong, Zhang Wenhua, Qian Aifang, Tang Weiqing, Fu Jilong, Liu Guoqiang.

Version of standard substituted by this Standard is.

- GB/T 20056-2006.

Rolling bearings - Radial needle roller and cage
assemblies - Boundary dimensions and tolerances

1 Scope

This Standard specifies the boundary dimensions for radial needle roller and cage assemblies.

In addition, it gives the tolerances for the cage width and method of functional gauging of smallest single bore diameter of needle roller complement.

Informative values for the tolerances of shaft raceway, housing raceway and raceway widths are given in Annex A.

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.

ISO 1132-1, Rolling bearings - Tolerances - Part 1. Terms and definitions

ISO 1132-2:2001, Rolling bearings - Tolerances - Part 2. Measuring and gauging principles and methods

ISO 3096, Rolling bearings - Needle rollers - Dimensions and tolerances

ISO 5593, Rolling bearings - Vocabulary

ISO 15241, Rolling bearings - Symbols for quantities

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1132-

4 Symbols

For the purposes of this document, the symbols given in ISO 15241 and the

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