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

GB/T 32334-2015

**Rolling bearings - Matched angular contact ball bearings -
Specifications**

滚动轴承 组配角接触球轴承 技术条件

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed by the China Machinery Industry Federation. This standard by the National Rolling Bearing Standardization Technical Committee (SAC/TC98) centralized. The drafting unit. Luoyang Bearing Research Institute Co., Ltd., Harbin Bearing Group Corporation, Zhejiang You special Bearing Co., Ltd., Changshu long City Bearing Co., Ltd., Luoyang Shaft Technology Co., Ltd. The main drafters of this standard. Yang Xiaowei, Guo Baoxia, Yong Taifang, Zheng Zixun, Shao Xueliang, Jia Qiusheng, Weng Shixi, Yin Ming. Rolling bearing group with angular contact ball bearing technical conditions

1 Scope

GB/T 32334-2015 is the Chinese specification for matched angular contact ball bearings: the pairs and sets supplied together, mounted back to back, face to face or in tandem, that carry combined radial and axial loads in machine tool spindles, gearboxes and pumps. What distinguishes a matched set from two individual bearings is that the manufacturer has ground the rings so that when they are clamped together they take up a defined preload; get that wrong and the spindle either runs hot or runs loose, and neither is visible on an incoming inspection of the separate parts. The standard sets the arrangements and their designation, the requirements on the preload classes and the preload values, the axial and radial clearance of the set, the tolerances on the matched dimensions, the requirements on the interchangeability and the universal matching, the marking that identifies how a set is to be assembled, the test methods and the inspection rules. This is the clear-print edition. For a bearing maker, a spindle builder or a buyer in China, this is the acceptance text.

This standard specifies the shape of the GB/T 292 in line with the provisions of pairs and multi-group combination of angular contact ball bearings (hereinafter referred to as the combination of bearings) Definition of symbols, symbols, combinations of types, technical requirements, measurement methods, inspection rules, signs, packaging and cooperation. This standard applies to the production of groups with angular contact ball bearing inspection and user acceptance.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 272 Rolling bearing code method

GB/T 275 Rolling bearing with

GB/T 292 Rolling bearings Angular contact ball bearings Dimensions Rules and methods for measurement and inspection of rolling bearings GB/T General technical rules for rolling bearings GB/T

GB/T 4199 definition of rolling bearing tolerances

GB/T 6930 Rolling bearing vocabulary

GB/T 7811 Rolling bearing parameter symbols Anti - rust packaging for rolling bearings GB/T

GB/T 18254 high carbon chromium bearing steel

GB/T 24605 Rolling bearing product mark Rules for inspection of rolling bearings and their merchandise parts GB/T

JB/T 2974 Supplementary provisions for rolling bearing code method

3 Terms and definitions

GB/T 4199 and GB/T 6930 and the following terms and definitions apply to this document.

3.1 Pairs of pairs of bearings (pairing bearings) pairedbearing Two sets of bearings with back to back, face to face or series configuration for a group of bearings. Referred to as matching bearings.

3.2 Multi-unit combination with matchedbearingsets Three sets of bearings and other back to back, face to face or series, etc. configured for a group of bearings.

3.3 Universal assembly bearing universalmatchablebearings In the back-to-back, face to face or in series can be arbitrarily replaced position of the bearing.

3.4 Preload preload So that the bearing inside the "negative clearance" to increase the bearing rigidity of the assembly bearing in advance to apply a certain load. Also known as preload.