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

GB/T 28697-2012

Replacing GB/T 301-1995

**Rolling bearings -- Aligning thrust ball bearings and aligning
seat washers -- Boundary dimensions**

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces GB/T 301-1995 "Rolling Thrust ball bearings Dimensions" in the unidirectional and bidirectional external heart Thrust Ball

Bearing portion.

This standard uses the translation method identical with ISO 20516.2007 "Rolling aligning thrust ball bearings and aligning seat washer shape size".

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 274-2000 Rolling chamfer dimensions Max (ISO 582.1995, IDT)

--- GB/T 6930-2002 Rolling vocabulary (ISO 5593.1997, IDT)

--- GB/T 7811-2007 Rolling Parameter Symbol (ISO 15241.2001, IDT)

This standard also made the following editorial changes.

--- With a decimal symbol instead of ",", ".", ";";

--- Remove the international standards outlined in the informative elements.

The standard proposed by China Machinery Industry Federation.

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

This standard was drafted. Shengzhou Meiya Special Bearing Factory, Luoyang Bearing Research Institute Co., Ltd.

1 Scope

This standard specifies with and without aligning seat washers unidirectional and bidirectional thrust-aligning ball bearing dimensions.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article

Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 582 Rolling maximum chamfer dimensions
(Rollingbearings-Chamferdimensions-Maximum values)

ISO 5593 Rolling vocabulary (Rollingbearings-Vocabulary)

ISO 15241 Rolling Parameter Symbol (Rollingbearings-Symbolsforquantities)

3 Terms and Definitions

ISO 5593 define the following terms and definitions apply to this document.

3.1

Aligning thrust ball bearings < one-way bearing> aligningthrustbalbearing

Through a self-aligning bearing seat can accommodate between axis and bearing axis of the amount of skew angle thrust ball bearings.

NOTE. The spherical aligning the back seat with a self-aligning bearing seat gasket or corresponding concave spherical match.

3.2

Aligning thrust ball bearings < way bearing> aligningthrustbalbearing

By aligning seat ring and the bearing can be adapted to a certain amount of angle between the axis of the bearing axis oblique thrust ball bearings.

NOTE. spherical and the back aligning seat washer or bearing race aligning corresponding concave spherical match.

3.3

Unidirectional aligning thrust ball bearings single-directionaligningthrustbalbearing

Only to withstand a direction of axial load spherical thrust ball bearings.

3.4

Aligning two-way thrust ball bearings double-directional aligning thrust ball bearing

To withstand axial load in both directions of aligning thrust ball bearings.

3.5

Axis circle central shaft washer

Mounted on the shaft of the circle.

4 Symbol

ISO 15241 is given and the following symbols are applicable to this document.

GB/T 28697-2012/ISO 20516.2007