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Rolling bearings—Boundary dimensions—Part 2: Thrust bearings

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by the Japan Bearing Industrial Association (JBIA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently, **JIS B 1512**:2000 has been withdrawn and partially replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or utility model right which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or utility model right which have the said technical properties.

JIS B 1512 series consists of the following 6 parts under the general title "*Rolling bearings—Boundary dimensions*":

Part 1: Radial bearings

Part 2: Thrust bearings

Part 3: Tapered roller bearings

Part 4: Flange dimensions of radial ball bearings with flanged outer ring

Part 5: Chamfer dimensions for loose rib and non-rib sides of single-row cylindrical roller bearings

Part 6: Chamfer dimensions for outer ring non-thrust side of single-row angular contact ball bearings

Rolling bearings—Boundary dimensions—Part 2: Thrust bearings

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 104** published in 2002, with some modifications of the technical contents such as addition of terms and definitions.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with explanations is given in Annex JA.

1 Scope

This Standard specifies the major boundary dimensions for single-direction and double-direction thrust bearings with flat back faces. In addition, it gives the smallest single bore diameters of housing washers and largest single outside diameters of shaft washers of bearings in dimension series 11, 12, 13, 14, 22, 23 and 24.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 104:2002 *Rolling bearings—Thrust bearings—Boundary dimensions, general plan* (MOD)

The symbols which denote the degree of correspondence in the contents between **JIS** and the corresponding International Standard are IDT (identical), MOD (modified) and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0104 *Rolling bearings—Vocabulary*

NOTE : Corresponding International Standard: ISO 5593:1997 *Rolling bearings—Vocabulary* (MOD)

JIS B 0124 *Rolling bearings—Symbols for quantities*

NOTE : Corresponding International Standard: ISO 15241:2001 *Rolling bearings—Symbols for quantities* (MOD)

JIS B 1514-3 *Rolling bearings—Tolerances of bearings—Part 3: Chamfer dimensions—Maximum values*

NOTE : Corresponding International Standard: ISO 582:1995 *Rolling bearings—Chamfer dimensions—Maximum values* (IDT)

JIS B 1515-1 *Rolling bearings—Tolerances—Part 1: Terms and definitions*

NOTE : Corresponding International Standard: ISO 1132-1:2000 *Rolling bearings—Tolerances—Part 1: Terms and definitions* (IDT)