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**Rolling bearings—Boundary
dimensions—Part 1: Radial
bearings**

ICS 21.100.20

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4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
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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Consequently, **JIS B 1512**:2000 has been withdrawn and partially replaced with this Standard.

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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 1: Radial bearings

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 15** published in 1998, with some modifications of the technical contents such as addition of normative references that are not given in the said International Standard.

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 lays down boundary dimensions for radial bearings (hereafter referred to as “bearings”), which do not include tapered roller bearings, insert bearings and some types of needle roller bearings, and instrument precision bearings.

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

ISO 15:1998 *Rolling bearings—Radial 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*

JIS B 0124 *Rolling bearings—Symbols for quantities*

JIS B 1509 *Rolling bearings—Radial bearings with locating snap ring—Dimensions and tolerances*

NOTE : Corresponding International Standard: ISO 464:1995 *Rolling bearings—Radial bearings with locating snap ring—Dimensions and tolerances* (IDT)

JIS B 1512-5 *Rolling bearings—Boundary dimensions—Part 5: Chamfer dimensions for loose rib and non-rib sides of single-row cylindrical roller bearings*

NOTE : Corresponding International Standard: ISO 12043:2007 *Rolling bearings—Single-row cylindrical roller bearings—Chamfer dimensions for loose rib and non-rib sides* (IDT)