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(JBIA)

**Rolling bearings — Internal clearance —  
Part 1: Radial internal clearance for radial  
bearings**

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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 Industry Association (JBIA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently, **JIS B 1520:1995** has been withdrawn and replaced with this Standard.

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**JIS B 1520** series consists of the following 2 parts under the general title “*Rolling bearings — Internal clearance —*”

*Part 1: Radial internal clearance for radial bearings*

*Part 2: Axial internal clearance for four-point-contact ball bearings*

# Rolling bearings — Internal clearance — Part 1 : Radial internal clearance for radial bearings

## Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 5753-1 published in 2009 with some modifications of the technical contents according to the actual situation in Japan.

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

## 1 Scope

This Standard specifies the radial internal clearance for the following types of rolling bearings (hereafter referred to as "bearings").

- Deep groove ball bearings (except those for insert bearings)
- Double-row self-aligning ball bearings
- Cylindrical roller bearings
- Machined ring needle roller bearings
- Toroidal roller bearings (shown in Annex JA for reference)
- Double-row self-aligning roller bearings

The radial internal clearance values specified in this Standard shall apply to five types of bearings with cylindrical bore (except the toroidal roller bearings) shown above and three types of bearings with tapered bore (double-row self-aligning ball bearings, cylindrical roller bearings and double-row self-aligning roller bearings).

The radial internal clearance values of deep groove ball bearings shall also apply to the filling slot ball bearings of radial contact bearings. The radial internal clearance values of insert bearings are specified in **JIS B 1558**.

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

ISO 5753-1 : 2009 *Rolling bearings — Internal clearance — Part 1 : Radial internal clearance for radial bearings* (MOD)

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