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**Rolling bearings — Radial bearings with  
locating snap ring — Dimensions,  
geometrical product specifications (GPS)  
and tolerance values**

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In the event of any doubts arising as to the contents,  
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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Bearing Industry Association (JBIA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 1509** : 2020), which has been technically revised.

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# Rolling bearings — Radial bearings with locating snap ring — Dimensions, geometrical product specifications (GPS) and tolerance values

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 464** : 2015, Edition 3, with some modifications of the technical contents, such as adding provisions not specified in the said corresponding International Standard in line with the actual conditions in Japan.

Annex JA is unique to **JIS** and not given in the corresponding International Standard. The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

## 1 Scope

This Standard specifies the snap ring groove dimensions and tolerance values, chamfer dimensions and tolerance values on the snap ring groove side of the outer ring, and the locating snap ring (hereafter referred to as snap ring) dimensions and tolerance values for radial bearings in the dimension series 18 and 19 and the diameter series 0, 2, 3, and 4 (except dimension series 00, 82, and 83), as specified in **JIS B 1512-1**.

NOTE 1 An application example of radial bearing with snap ring is shown in Annex A, an example of drawing indications of characteristics with specification for a snap ring groove in Annex B, and specifications of snap ring for rolling bearing unique to **JIS** in Annex JA, for reference.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 464 : 2015 *Rolling bearings — Radial bearings with locating snap ring — Dimensions, geometrical product specifications (GPS) and tolerance values* (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**.

## 2 Normative references

Part or all of the provisions of the following standards, 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 Normative reference in the corresponding International Standard: ISO