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Rolling bearings—Tolerances— Part 1 : Terms and definitions

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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 of establishing a Japanese Industrial Standard from The Japan Bearing Industrial Association (JBIA), with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently, **JIS B 1515**: 1988 is withdrawn and replaced with this Standard and **JIS B 1515-2**.

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, utility model right or application for registration of utility model after opening to the public 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, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS B 1515 series consists of the following two parts under the general title “*Rolling bearings—Tolerances*”:

Part 1 : Terms and definitions

Part 2 : Measuring and gauging principles and methods

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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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Rolling bearings—Tolerances— Part 1 : Terms and definitions

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 1132-1** *Rolling bearings—Tolerances—Part 1 : Terms and definitions* published in 2000 without modifying the technical contents.

1 Scope This part of **JIS B 1515** specifies terms, definitions and symbols related to the tolerances on boundary dimensions, geometrical accuracy, running accuracy and internal clearance for rolling bearings.

NOTES 1 General vocabulary of terms relating to rolling bearings is specified in **JIS B 0104**.

2 The International Standard corresponding to this part of **JIS B 1515** is as follows.

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**.

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

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this part of **JIS B 1515**. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0026 *Technical drawings—Dimensioning and tolerancing—Non-rigid parts*

NOTE : **ISO 10579**:1993 *Technical drawings—Dimensioning and tolerancing—Non-rigid parts* is identical with the said standard.

JIS B 0104 *Rolling bearings—Vocabulary*

NOTE : **ISO 5593**:1997 *Rolling bearings—Vocabulary* is equivalent to the said standard.

JIS B 0401-1 *ISO system of limits and fits—Part 1 : Bases of tolerances, deviations and fits*

NOTE : **ISO 286-1**:1988 *ISO system of limits and fits—Part 1 : Bases of tolerances, deviations and fits* is identical with the said standard.

ISO 1 *Geometrical Product Specifications (GPS)—Standard reference temperature for geometrical product specification and verification*

3 General General matters related to the tolerances on boundary dimensions, geometrical accuracy, running accuracy and internal clearance for rolling bearings are as follows.