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**Rolling bearings — Mounting dimensions
and fits**

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 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 applicable to the case of revision by the provision of Article 14.

Consequently, **JIS B 1566:1989** is replaced with this Standard.

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Rolling bearings — Mounting dimensions and fits

1 Scope

This Japanese Industrial Standard specifies the general references of mounting dimensions¹⁾ and fits for rolling bearings (hereafter referred to as "bearings").

NOTE 1 For reference, the mounting dimensions of radial bearings with adapter and radial cylindrical roller bearings of high load capacity type are given in Annex A, and the numerical values relating to tolerance classes of shaft and housing used regularly, and fits are given in Annex B.

NOTE 2 It is preferable to consult the manufacturer about the mounting dimensions and fits of bearings not specified herein.

NOTE 3 It is preferable to determine the geometrical tolerances for the deviation from circular form of mounting part, etc. in consideration of the service conditions.

Note¹⁾ The mounting dimensions of bearings mean the dimensions relating to the mounting of bearings at the bearing seating of shaft and the bearing seating of housing, and the adjacent parts.

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) shall be applied.

JIS B 0104 *Rolling bearings — Vocabulary*

JIS B 0124 *Rolling bearings — Symbols for quantities*

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

JIS B 0401-2 *ISO system of limits and fits — Part 2 : Tables of standard tolerance grades and limit deviations for holes and shafts*

JIS B 1514-1 *Rolling bearings — Tolerances of bearings — Part 1 : Radial bearings*

JIS B 1514-2 *Rolling bearings — Tolerances of bearings — Part 2 : Thrust bearings*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0104** and **JIS B 0401-1**, and the following apply.

3.1 rotating inner ring load

load of which the line of action is rotating in relation to the inner ring of bearing