

JIS

JAPANESE INDUSTRIAL STANDARD

**Rolling bearings
— General code**

JIS B 1511—1993

Translated and Published

by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority.**

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1. Scope This Japanese Industrial Standard specifies the system of the Japanese Industrial Standards related to the rolling bearings (hereafter, referred to as "bearings") and the fundamental and common matters related to the bearings.

Remarks: The standards cited in this Standard are given in Attached Table 1.

2. Definitions For the purpose of this Standard, main definitions in JIS B 0104 apply.

3. Standards related to bearings The Japanese Industrial Standards related to the bearings shall be classified in accordance with the following, and be given in Attached Table 2.

- (1) Common standards The standards which specify the common matters related to the bearings.
- (2) Individual standards The standards which specify the requirements of the bearings to be used generally.
- (3) Parts standards The standards which specify the requirements of bearing parts (see Attached Table 7) to be used generally.
- (4) Accessory standards The standards which specify the requirements of bearing accessories (see Attached Tables 8 and 9) to be used generally.

4. Fundamental matters related to bearings

4.1 Types The types of the bearings shall be classified as given in the following, according as the directions of loads capable of being loaded and the kinds of rolling elements. The main types of the bearings are given in Attached Tables 3 to 6.

- (1) Radial ball bearings (see Attached Table 3)
- (2) Radial roller bearings (see Attached Table 4)
- (3) Thrust ball bearings (see Attached Table 5)
- (4) Thrust roller bearings (see Attached Table 6)

Remarks: The sectional diagrams given in Attached Tables 3 to 6 are the examples of structure.

4.2 Boundary dimensions The boundary dimensions defining the outlines of the bearings should preferably be selected from the dimensions specified in JIS B 1512.