

JIS

JAPANESE INDUSTRIAL STANDARD

Rolling bearings— Radial internal clearance

JIS B 1520—1995

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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Rolling bearings - Radial internal clearance

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1. Scope This Japanese Industrial Standard specifies the values of radial internal clearance of the following rolling bearings (hereafter, referred to as "bearings").

- (1) Deep groove ball bearings
- (2) Double row self-aligning ball bearings
- (3) Cylindrical roller bearings
- (4) Machined ring needle roller bearings
- (5) Double row self-aligning roller bearings

Remarks 1. The values of radial internal clearance specified in this Standard shall be the values for bearings which are so designed as to be capable of being subjected to pure radial load, as well as for bearings which are not under preloaded conditions.

2. The values defined in this Standard shall be the values at 20°C in temperature, as well as shall be the values when each part of the bearing is considered as not subjected to the stress due to an external force at all including the measuring force and gravity.
3. The values defined in this Standard shall be the values for cylindrical bore bearings and tapered bore bearings in the double row self-aligning ball bearings and the double row self-aligning roller bearings; and in other bearings, for cylindrical bore bearings.
4. The values of the radial internal clearance of the deep groove ball bearings shall apply also to the radial contact groove ball bearings.

Further, the radial internal clearances of the ball bearings for rolling bearing units shall be in accordance with JIS B 1558.

5. The standards cited in this Standard are given in the following:

JIS B 0104 Rolling bearings - Vocabulary

JIS B 1558 Rolling bearings - Insert bearings

6. The International standard corresponding to this Standard is as follows:

ISO 5753: 1991 Rolling bearings - Radial internal clearance