

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

JIS B 1520-2 : 2015

(JBIA)

(ISO 5753-2 : 2010)

**Rolling bearings — Internal clearance —  
Part 2: Axial internal clearance for  
four-point-contact ball bearings**

---

ICS 21.100.20

Reference number : JIS B 1520-2 : 2015 (E)

PROTECTED BY COPYRIGHT

5 S

B 1520-2 : 2015 (ISO 5753-2 : 2010)

Date of Establishment: 2015-03-20

Date of Public Notice in Official Gazette: 2015-03-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Machine Elements

---

JIS B 1520-2 : 2015, First English edition published in 2015-09

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

---

In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

© JSA 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

HN

PROTECTED BY COPYRIGHT

**Contents**

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Symbols for quantities .....	2
5 Axial internal clearance for four-point-contact ball bearings .....	2

## 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 for establishment of Japanese Industrial Standard submitted by 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.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

**JIS B 1520** series consists of the following 2 parts under the general title “*Rolling bearings — Internal clearance —*”

*Part 1: Radial internal clearance for radial bearings*

*Part 2: Axial internal clearance for four-point-contact ball bearings*

# Rolling bearings — Internal clearance — Part 2 : Axial internal clearance for four-point-contact ball bearings

## Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 5753-2 published in 2010 without any modifications of the technical contents.

The portions given dotted underlines are the matters not given in the corresponding International Standard.

## 1 Scope

This Standard specifies the axial internal clearance for four-point-contact ball bearings with the contact angle of 35°.

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

ISO 5753-2 : 2010 *Rolling bearings — Internal clearance — Part 2 : Axial internal clearance for four-point-contact ball bearings* (IDT)

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

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*

NOTE : Corresponding International Standard : ISO 5593 *Rolling bearings — Vocabulary* (MOD)

JIS B 0104 *Rolling bearings — Symbols for quantities*

NOTE : Corresponding International Standard : ISO 15241 *Rolling bearings — Symbols for quantities* (MOD)

JIS B 1515-1 *Rolling bearings — Tolerances — Part 1 : Terms and definitions*

NOTE : Corresponding International Standard : ISO 1132-1 *Rolling bearings — Tolerances — Part 1 : Terms and definitions* (IDT)

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in JIS B 0104 and