



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 0209-2 : 2001

(ISO 965-2 : 1998)

(JFRI/JSA)

ISO general purpose metric screw
threads — Tolerances — Part 2: Limits
of sizes for general purpose external
and internal screw threads — Medium
quality

ICS 21.040.10

Reference number : JIS B 0209-2 : 2001 (E)

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 Research Institute for Screw Threads and Fasteners (JFRI)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. By this Standard, **JIS B 0209:1997**, **JIS B 0211:1997** and **JIS B 0215:1982** were withdrawn and replaced with **JIS B 0209 Part 1 to Part 3**.

This Standard has been made based on **ISO 965-2:1998 ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality** for the purposes of making easy to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of International Standard which is based on Japanese Industrial Standard.

JIS B 0209 series consist of 5 parts with the title of *ISO general purpose metric screw threads — Tolerances*.

- JIS B 0209-1 *Part 1: Principles and basic data*
- JIS B 0209-2 *Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality*
- JIS B 0209-3 *Part 3: Deviations for constructional screw threads*
- JIS B 0209-4 *Part 4: Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing*
- JIS B 0209-5 *Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing*

Date of Establishment: 2001-12-20

Date of Public Notice in Official Gazette: 2001-12-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical committee on Machine Elements

JIS B 0209-2:2001, First English edition published in 2002-06

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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the original JIS is to be the final authority.

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Printed in Japan

**ISO general purpose
metric screw threads — Tolerances
— Part 2: Limits of sizes for general purpose
external and internal screw threads
— Medium quality**

Introduction This Japanese Industrial Standard has been prepared based on the third edition of **ISO 965-2** *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality* published in 1998 without modifying the technical contents..

1 Scope This Standard specifies limits of sizes for pitch and crest diameters for ISO general purpose metric screw threads (M) conforming to **JIS B 0205-3** having basic profile according to **JIS B 0205-1**.

The limits of sizes for the tolerance quality specified are derived from the fundamental deviations and tolerances specified in **JIS B 0209-1**.

Remarks: The International Standard corresponding to this Standard 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 965-2 : 1998 *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality* (IDT)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) shall be applied.

JIS B 0101 *Screw threads and fasteners — Vocabulary*

Remarks: The items cited from **ISO 5408:1983** *Cylindrical screw threads — Vocabulary* are equivalent to the corresponding matters of the said standard.

JIS B 0205-1 *ISO general purpose metric screw threads — Part 1: Basic profile*

Remarks: **ISO 68-1:1998** *ISO general purpose screw threads — Basic profile — Part 1: Metric screw threads* is identical with the said standard.

JIS B 0205-3 *ISO general purpose metric screw threads — Part 3: Selected sizes for screws, bolts and nuts*

Remarks: **ISO 262:1998** *ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts* is identical with the said standard.