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JIS B 0209-1 : 2001

(ISO 965-1 : 1998)

(JFRI/JSA)

**ISO general purpose metric screw
threads—Tolerances—
Part 1: Principles and basic data**

ICS 21.040.10

Reference number : JIS B 0209-1 : 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 Standard 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By this Standard, **JIS B 0209:1997**, **JIS B 0211:1997** and **JIS B 0215:1982** were withdrawn and replaced with **JIS B 0209 Part 1 to Part 3**.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 965-1:1998** *ISO general purpose metric screw threads—Tolerances—Part 1: Principles and basic data* 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*

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the original JIS is to be the final authority.

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ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data

Introduction This Japanese Industrial Standard has been prepared based on the third edition of **ISO 965-1** *ISO general purpose metric screw threads — Tolerances — Part 1: principles and basic data* published in 1998 without modifying the technical contents.

1 Scope This Standard specifies the tolerance system for ISO general purpose metric screw threads (M) conforming to **JIS B 0205-2**.

The tolerance system refers to the basic profile in accordance with **JIS B 0205-1**.

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 965-1: 1998 *ISO general purpose metric screw threads – Tolerances – Part 1: Principles and basic data* (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 0205-2 *ISO general purpose metric screw threads — Part 2: General plan*

Remarks: **ISO 261:1998** *ISO general purpose metric screw threads — General plan* 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 screw threads — Selected sizes for screws, bolts and nuts* is identical with the said standard.