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JIS B 0205-4 : 2001

(ISO 724 : 1993)

(JFRI/JSA)

ISO general purpose metric screw
threads — Part 4: Basic dimensions

ICS 21.040.10

Reference number : JIS B 0205-4 : 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By this Standard, **JIS B 0205:1997** and **JIS B 0207:1982** were withdrawn and replaced with **JIS B 0205 Part 1 to Part 4**.

This Standard has been made based on **ISO 724:1993** *ISO general-purpose metric screw threads — Basic dimensions* 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 0205 series consist of 4 parts with the title of *ISO general purpose metric screw threads*.

JIS B 0205-1 *Part 1: Basic profile*

JIS B 0205-2 *Part 2: General plan*

JIS B 0205-3 *Part 3: Selected sizes for screws, bolts and nuts*

JIS B 0205-4 *Part 4: Basic dimensions*

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

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ISO general purpose metric screw threads — Part 4: Basic dimensions

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 724** *ISO general-purpose metric screw threads — Basic dimensions* published in 1993 without modifying the technical contents.

The "Note" underlined with dots is the matter not included in the original International standard.

1 Scope This Standard specifies the basic dimensions, in millimetres, of ISO metric screw threads in accordance with **JIS B 0205-2**. The values refer to the basic profile in accordance with **JIS B0205-1**.

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 724:1993 *ISO general-purpose metric screw threads — Basic dimensions* (IDT)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions in 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 screw threads — General plan* is identical with the said standard.

3 Definitions For the purposes of this Standard, the definitions given in **JIS B 0101** apply.

4 Symbols The following symbols are used.

- D basic major diameter of internal thread (nominal diameter)
- d basic major diameter of external thread (nominal diameter)
- D_2 basic pitch diameter of internal thread
- d_2 basic pitch diameter of external thread
- D_1 basic minor diameter of internal thread
- d_1 basic minor diameter of external thread
- H height of fundamental triangle
- P pitch