



JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS B 1199-2** : 2001

(JFRI/JSA)

**Prevailing torque type nuts—  
Part 2 : All-metal hexagon nuts**

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ICS 21.060.20

**Descriptors** : hexagonal nuts

**Reference number** : JIS B 1199-2 : 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.

This Standard employs **ISO 7042** : 1997 *Prevailing torque type all-metal hexagon nuts, style 2—Property classes 5, 8, 10 and 12*, **ISO 7719** : 1997 *Prevailing torque type all-metal hexagon nuts, style 1—Property classes 5, 8 and 10*, **ISO 7720** : 1997 *Prevailing torque type all-metal hexagon nuts style 2—Property class 9* and **ISO 10513** : 1997 *Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread—Property classes 8, 10 and 12* as a basis for the purpose of conforming Japanese Industrial Standards to International Standards.

This Standard group consists of the following four parts with a title of *Prevailing torque type nuts*.

*Part 1 : Hexagon nuts with non-metallic insert*

*Part 2 : All-metal hexagon nuts*

*Part 3 : Hexagon nuts with flange with non-metallic insert*

*Part 4 : All-metal hexagon nuts with flange*

Date of Establishment: 2001-01-20

Date of Public Notice in Official Gazette: 2001-01-22

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Machine Elements

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JIS B 1199-2:2001, First English edition published in 2002-07

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

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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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Printed in Japan

## Prevailing torque type nuts— Part 2 : All-metal hexagon nuts

**Introduction** This Japanese Industrial Standard has been prepared based on **ISO 7042** *Prevailing torque type all-metal hexagon nuts, style 2—Property classes 5, 8, 10 and 12*, **ISO 7719** *Prevailing torque type all-metal hexagon nuts, style 1—Property classes 5, 8 and 10* and **ISO 7720** *Prevailing torque type all-metal hexagon nuts style 2—Property class 9* published in 1997 as second editions, and **ISO 10513** *Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread—Property classes 8, 10 and 12* published in 1997 as the first edition, without modifying the corresponding parts (shape, dimensions, and specification and designation of products) being compiled and integrated.

In addition, **JIS B 1199** specifying prevailing torque type nut products consists of four parts. The relation between each part and the International Standards corresponding thereto is shown in Annex 1 (informative).

**1 Scope** This Standard specifies the characteristics of prevailing torque type all-metal hexagon nuts for general use.

If other specifications are required, they should be selected from existing standards, for example **JIS B 0205**, **JIS B 0207**, **JIS B 0209**, **JIS B 0211** and **JIS B 1056**.

Remarks: The International Standards corresponding to this Standard are 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 7042 : 1997 *Prevailing torque type all-metal hexagon nuts, style 2—Property classes 5, 8, 10 and 12* (MOD)

ISO 7719 : 1997 *Prevailing torque type all-metal hexagon nuts, style 1—Property classes 5, 8 and 10* (MOD)

ISO 7720 : 1997 *Prevailing torque type all-metal hexagon nuts style 2—Property class 9* (MOD)

ISO 10513 : 1997 *Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread—Property classes 8, 10 and 12* (MOD)

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including amendments).