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**Fasteners—Bolts, screws, studs and  
nuts—Symbols and descriptions of  
dimensions**

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In the event of any doubts arising as to the contents,  
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## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Research Institute for Screw Threads and Fasteners (JFRI)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS B 0143:1985** is replaced with this Standard.

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# Fasteners—Bolts, screws, studs and nuts—Symbols and descriptions of dimensions

## Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 225** published in 2010 without any modifications of the technical contents.

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

## 1 Scope

This Standard defines the symbols and gives descriptions of the dimensions of bolts, screws, studs and nuts for use in the appropriate product standards and drawings.

NOTE 1 The figures of the fasteners in this Standard are given only as examples.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 225:2010 *Fasteners—Bolts, screws, studs and nuts—Symbols and descriptions of dimensions* (IDT)

The 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) indicated below shall be applied.

JIS B 1003 *Fasteners—Ends of parts with external ISO metric thread*

NOTE : Corresponding International Standard: ISO 4753:1999 *Fasteners—Ends of parts with external ISO metric thread* (IDT)

JIS B 1006 *Fasteners—Thread run-outs for external thread in accordance with ISO general purpose metric screw threads*

NOTE : Corresponding International Standard: ISO 3508:1976 *Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262* (MOD)

JIS B 1012 *Cross recesses for screws*

NOTE : Corresponding International Standard: ISO 4757:1983 *Cross recesses for screws* (MOD)

JIS B 1018 *Fasteners—Thread undercuts for external metric ISO threads*

NOTE : Corresponding International Standard: ISO 4755:1983 *Fasteners—Thread undercuts for external metric ISO threads* (IDT)