

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1003 : 2014

(ISO 4753 : 2011)

(JFRI/JSA)

**Fasteners—Ends of parts with
external ISO metric thread**

ICS 21.060.01

Reference number : **JIS B 1003 : 2014 (E)**

B 1003 : 2014 (ISO 4753 : 2011)

Date of Establishment: 1960-03-01

Date of Revision: 2014-04-21

Date of Public Notice in Official Gazette: 2014-04-21

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Machine Elements

JIS B 1003:2014, First English edition published in 2014-08

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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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 1003**:2003 is replaced with this Standard.

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Fasteners—Ends of parts with external ISO metric thread

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 4753** published in 2011 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 specifies the form and dimensions of ends of parts with external **ISO** metric screw thread (e.g. bolt, screw and stud ends) recommended for use. They apply to standardized or non-standardized threaded parts.

For each end type, a symbol is specified and it is intended that these symbols be used when specifying one of the ends for threaded fasteners.

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

ISO 4753:2011 *Fasteners—Ends of parts with external ISO metric thread* (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 standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standard (including amendments) indicated below shall be applied.

JIS B 0143 *Fasteners—Bolts, screws, studs and nuts—Symbols and descriptions of dimensions*

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

JIS B 1177 *Hexagon socket set screws*

NOTE : Corresponding International Standard: ISO 4027:2003 *Hexagon socket set screws with cone point* (MOD)

3 Form and dimensions

3.1 General

The form and dimensions shall be as shown in figures 1 and 2 and tables 1 to 4. Symbols and descriptions of dimensions are specified in **JIS B 0143**.