

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1189 : 2014

(JFRI/JSA)

Hexagon bolts with flange

ICS 21.060.10

Reference number : JIS B 1189 : 2014 (E)

PROTECTED BY COPYRIGHT

15 S

B 1189 : 2014

Date of Establishment: 1977-10-01

Date of Revision: 2014-09-22

Date of Public Notice in Official Gazette: 2014-09-22

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Machine Elements

JIS B 1189 : 2014, First English edition published in 2015-03

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,
the original JIS is to be the final authority.

© JSA 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

HN

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Types	3
4 Shape and dimensions, product specifications and example of product designation	3
5 Marking	12
5.1 Marking on products	12
5.2 Marking on packages	12
Annex A (normative) Gauging of hexagon flange heads	13
Annex JA (normative) Hexagon bolts with flange not specified in ISO 15071 and ISO 15072	14
Annex JB (informative) Comparison table between JIS and corresponding International Standards	22

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 1189** : 2005 is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Hexagon bolts with flange

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 15071** published in 2011 and the second edition of **ISO 15072** published in 2012 without modifying the technical contents for corresponding parts (shape and dimensions, product specifications and example of product designation), but by also adding specifications not given in the said International Standards (marking, hexagon bolts with flange not specified in **ISO 15071** and **ISO 15072**) as unique contents to **JIS**.

The portions given dotted underlines and Annex JA are the matters not given in the original International Standards. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies the characteristics of hexagon bolts with flange (hereafter referred to as “bolts”).

If, in special cases, dimensions and product specifications other than those listed in this Standard are required, they shall be selected from existing Japanese Industrial Standards, for example, **JIS B 0205-2**, **JIS B 0209-2**, **JIS B 1009**, **JIS B 1051** and **JIS B 1054-1** upon agreement between the purchaser and the manufacturer.

Annex JA gives specifications of hexagon bolts with flange not given in ISO 15071 and ISO 15072.

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

ISO 15071 : 2011 *Hexagon bolts with flange — Small series — Product grade A*

ISO 15072 : 2012 *Hexagon bolts with flange with metric fine pitch thread — Small series — Product grade A* (Overall evaluation : MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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) listed below shall be applied.

JIS B 0101 *Screw threads and fasteners — Vocabulary*

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