

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS B 1107** : 2018

(JFRI/JSA)

**Hexalobular socket head screws**

---

ICS 21.060.10

Reference number : **JIS B 1107 : 2018 (E)**

B 1107 : 2018

Date of Establishment: 2004-03-20

Date of Revision: 2018-07-29

Date of Public Notice in Official Gazette: 2018-03-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Machine Elements

---

JIS B 1107:2018, First English edition published in 2018-07

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 2018

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

AT

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Types .....	4
5 Shape and dimensions, product specifications and examples of product designation .....	4
6 Marking .....	22
6.1 Marking on products .....	22
6.2 Marking on packaging .....	22
Annex JA (informative) Comparison table between JIS and corresponding International Standards .....	23

## Foreword

This Japanese Industrial Standard has been 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 1107**:2015 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.

# Hexalobular socket head screws

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 14580**:2011 (Edition 2), **ISO 14581**:2013 (Edition 1), **ISO 14582**:2013 (Edition 1), **ISO 14583**:2011 (Edition 2) and **ISO 14584**:2011 (Edition 2), and by incorporating the part, corresponding to this Standard (shape and dimensions, product specifications, examples of designation) without any modifications of the technical contents, but also adding some **JIS** specification contents that are not given in the said corresponding International Standards.

The vertical lines on both sides and dotted underlines indicate addition to the corresponding International Standards. A list of modifications with the explanation is given in Annex JA.

## 1 Scope

This Standard specifies the characteristics of hexalobular socket head screws.

If, in special cases, specifications other than those listed in this Standard are required, they can be selected from existing Standards, for example **JIS B 0205-2**, **JIS B 0209-3**, **JIS B 1009**, **JIS B 1021**, **JIS B 1051** and **JIS F 1054-1** upon the agreement between the purchaser and manufacturer.

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

ISO 14580:2011 *Hexalobular socket cheese head screws*

ISO 14581:2013 *Fasteners—Hexalobular socket countersunk flat head screws*

ISO 14582:2013 *Fasteners—Hexalobular socket countersunk head screws, high head*

ISO 14583:2011 *Hexalobular socket pan head screws*

ISO 14584:2011 *Hexalobular socket raised countersunk head screws (overall evaluation: MOD)*

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 21-1**.

## 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 0101 *Screw threads and fasteners—Vocabulary*

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