

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1111 : 2017

(JFRI/JSA)

Cross recessed head screws

ICS 21.060.10

Reference number : JIS B 1111 : 2017 (E)

PROTECTED BY COPYRIGHT

21 5

B 1111 : 2017

Date of Establishment: 1974-01-30

Date of Revision: 2017-03-21

Date of Public Notice in Official Gazette: 2017-03-21

Investigated by Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Machine Elements

JIS B 1111 : 2017, First English edition published in 2017-07

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 2017

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	2
3 Terms and definitions	4
4 Classification	4
5 Shapes and dimensions, product specifications and designation	4
6 Marking	5
6.1 Marking on product	5
6.2 Marking on package	5
Annex JA (normative) Cross recessed head screws not in accordance with ISO 7045 to ISO 7048	20
Annex JB (informative) Comparison table between JIS and corresponding International Standards	33

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 1111:2006** is replaced with this Standard.

However, **JIS B 1111:2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until March 20, 2018.

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.

Cross recessed head screws

Introduction

This Japanese Industrial Standard has been prepared based on the third editions of ISO 7045 and ISO 7047 published in 2011, and the second editions of ISO 7046-1, ISO 7046-2 and ISO 7048 published in 2011 by incorporating the parts corresponding to this Standard (shape and dimensions, product specifications and designation) without any modifications of the technical contents, but also adding some specification contents that are not given in the corresponding International Standards.

The dotted underlines indicate addition to the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

This Standard contains the following Annex, not given in the ISO Standards, for providing the requirements that correspond to manufacturing and usage of product in Japan.

Annex JA Cross recessed head screws not in accordance with ISO 7045 to ISO 7048

1 Scope

This Standard specifies the characteristics of cross recessed head screws.

If, in special cases, specifications other than those given in this Standard are required, they can be selected from existing Japanese Industrial Standards, for example JIS B 0205-2, JIS B 0209-3, JIS B 1009, JIS B 1051 and JIS B 1054-1.

Further, the cross recessed screws not in accordance with ISO 7045 to ISO 7048 are given in Annex JA.

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

ISO 7045 : 2011 *Pan head screws with type H or type Z cross recess — Product grade A*

ISO 7045-1 : 2011 *Countersunk flat head screws (common head style) with type H or type Z cross recess — Product grade A — Part 1 : Steel screws of property class 4.8*

ISO 7046-2 : 2011 *Countersunk flat head screws (common head style) with type H or type Z cross recess — Product grade A — Part 2 : Steel screws of property class 8.8, stainless steel screws and non-ferrous metal screws*

ISO 7047 : 2011 *Raised countersunk head screws (common head style) with type H or type Z cross recess — Product grade A*

ISO 7048 : 2011 *Cross-recessed cheese head screws (Overall evaluation: MOD)*