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(JFRI/JSA)

**Cross recessed head screws with captive  
washer**

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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 1188:2006** is replaced with this Standard.

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# Cross recessed head screws with captive washer

## Introduction

This Japanese Industrial Standard was established in 1977 and has gone through four revisions since then. The last revision was made in 2006 and the revision at this time has been made for the purpose of responding to establishment or revision of Japanese Industrial Standards related to this Standard.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies the steel and brass cross recessed head screws with captive washer for general purposes. The cross recessed head screws specified in this Standard are screws manufactured by mounting a washer onto the screw blank before rolling the threads so that the washer does not fall from the screw.

NOTE 1 The steel cross recessed head screws with captive washer are steel cross recessed head screws assembled with steel washers, and the brass cross recessed head screws with captive washer are brass cross recessed head screws assembled with brass or phosphor bronze washers. In this Standard, the steel cross recessed head screws with captive washer and the brass cross recessed head screws with captive washer are referred to as the steel screws with washer and the brass screws with washer, respectively, and simply as the screws with washer where they are generically referred to regardless of the type.

NOTE 2 In this Standard, when the cross recessed head screws in the screw-washer assemblies are made reference to separately from the washer, they are referred to as the steel screws or brass screws, depending on the type of the screw, and simply as the screws where they are generically referred to regardless of the type. The steel washers and brass or phosphor bronze washers of various types to be assembled on the screws are referred to as the steel washers or copper alloy washers, respectively, and simply as the washers, where they are generically referred to regardless of the type.

## 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 0205-3 *ISO general purpose metric screw threads — Part 3 : Selected sizes for screws, bolts and nuts*

JIS B 0209-2 *ISO general purpose metric screw threads — Tolerances — Part 2 :*