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**Cross recessed head tapping
screws**

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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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 1122:2006** is replaced with this Standard.

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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 tapping screws

Introduction

This Japanese Industrial Standard has been prepared based on the second editions of **ISO 7049**, **ISO 7050** and **ISO 7051** published in 2011, by editing and incorporating items (shape and dimensions, product specifications and designation of products) that correspond to **JIS** contents without modification of technical contents.

The portions given sidelines or dotted underlines are the matters not given in the corresponding International Standard. A list of modifications with the explanations is given in Annex JE.

This Standard contains the following Annex, not given in the **ISO** Standards, for providing requirements that reflect the manufacturing and use of the product in Japan.

- Annex JA (normative) Cross recessed head tapping screws with Class 1 to Class 4 threads
- Annex JB (normative) Shapes and dimensions of tapping screws with Class 1 to Class 4 threads
- Annex JC (normative) Mechanical properties of steel tapping screws with Class 1 to Class 4 threads
- Annex JD (normative) Mechanical properties of stainless steel tapping screws with Class 1 to Class 4 threads

1 Scope

This Standard specifies the characteristics of cross recessed head tapping screws with thread sizes from ST2.2 to ST9.5 inclusive.

The characteristics of cross recessed head tapping screws with Class 1 to Class 4 threads that are not in accordance with **JIS B 1007** are specified in Annex JA.

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

ISO 7049:2011 *Cross-recessed pan head tapping screws*

ISO 7050:2011 *Cross-recessed countersunk (flat) head tapping screws*

ISO 7051:2011 *Cross-recessed raised countersunk (oval) head tapping screws* (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) indicated below shall be applied.