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**Hexalobular socket head tapping
screws**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from The Japan Research Institute for Screw Threads and Fasteners (JFRI)/Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **ISO 14585 : 2001** *Hexalobular socket pan head tapping screws*, **ISO 14586 : 2001** *Hexalobular socket countersunk head tapping screws* and **ISO 14587 : 2001** *Hexalobular socket raised countersunk (oval) head tapping screws* for the purposes of making it easier to compare this Standard with International Standards; to prepare Japanese Industrial Standard conforming with International Standards; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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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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Hexalobular socket head tapping screws

Introduction This Japanese Industrial Standard has been prepared based on each first edition of **ISO 14585** *Hexalobular socket pan head tapping screws*, **ISO 14586** *Hexalobular socket countersunk head tapping screws* and **ISO 14587** *Hexalobular socket raised countersunk (oval) head tapping screws* published in 2001 with compiling them to integrate the relevant items, which are shape and dimensions, specifications and designation, without modification of the technical contents.

The list of modification with its explanation is given in annex (informative).

1 Scope This Standard specifies the characteristics of hexalobular socket head tapping screws with nominal thread size from ST2.9 to ST6.3.

If specifications other than those listed in this Standard are required, they should be selected from existing **JIS** standards, for example, **JIS B 1007**, **JIS B 1021** and **JIS B 1055**.

Remarks : The International Standards corresponding to this Standard are as follows.

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**.

ISO 14585 : 2001 *Hexalobular socket pan head tapping screws* (MOD)

ISO 14586 : 2001 *Hexalobular socket countersunk head tapping screws* (MOD)

ISO 14587 : 2001 *Hexalobular socket raised countersunk (oval) head tapping screws* (MOD)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0143 *Symbols and designations of dimensions for threaded fasteners*

Remarks : **ISO 255** : 1983 *Fasteners—Bolts, screws studs and nuts—Symbols and designations of dimensions* is equivalent to the said standard.

JIS B 1007 *Tapping screws thread*

Remarks : **ISO 1478** : 1999 *Tapping screws thread* is identical with the said standard.

JIS B 1013 *Countersunk head screws—Head configuration and gauging*

Remarks : **ISO 7721** : 1983 *Countersunk head screws—Head configuration and gauging* is identical with the said standard.

JIS B 1015 *Hexalobular internal driving feature for bolts and screws*

Remarks : **ISO 10664** : 1999 *Hexalobular internal driving feature for bolts and screws* is identical with the said standard.

JIS B 1021 *Tolerances for fasteners—Part 1 : Bolts, screws, studs and nuts—Product grades A, B and C*

Remarks : **ISO 4759-1 : 2000** *Tolerances for fasteners—Part 1 : Bolts, screws, studs and nuts—Product grades A, B and C* is identical with the said standard.

JIS B 1044 *Fasteners—Electroplated coatings*

Remarks : **ISO 4042 : 1999** *Fasteners—Electroplated coatings* is identical with the said standard.

JIS B 1055 *Tapping screws—Mechanical properties*

Remarks : **ISO 2702 : 1992** *Heat-treated steel tapping screws—Mechanical properties* is identical with the said standard.

JIS B 1091 *Fasteners—Acceptance inspection*

Remarks : **ISO 3269 : 2000** *Fasteners—Acceptance inspection* is identical with the said standard.

3 Classification Hexalobular socket head tapping screws shall be classified as given in table 1.

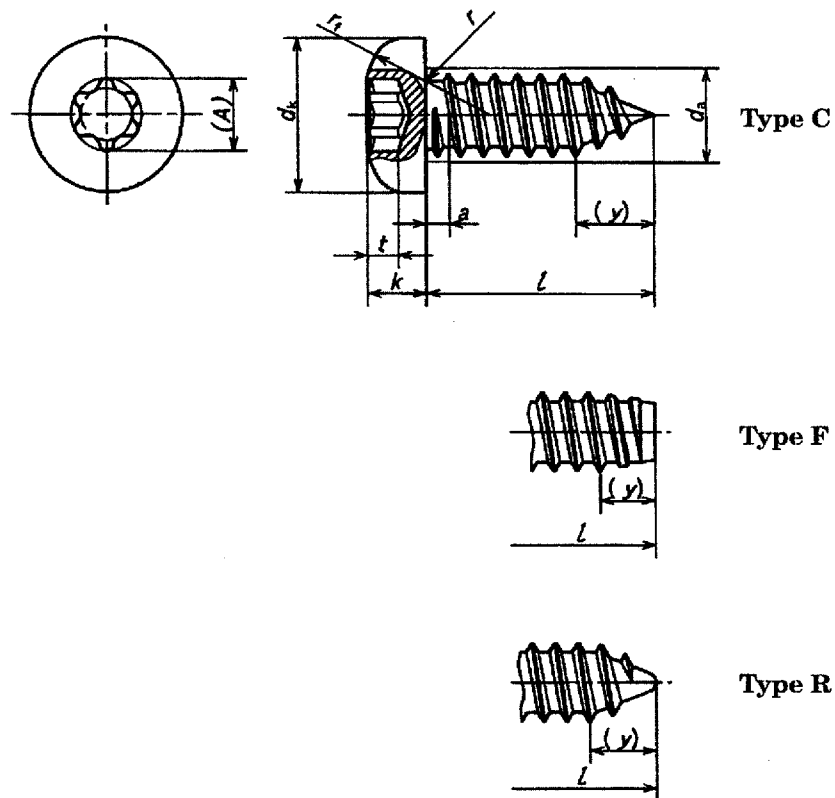
Table 1 Classification of hexalobular socket head tapping screws

Type	Corresponding International Standard
Hexalobular socket pan head tapping screw	ISO 14585 : 2001
Hexalobular socket countersunk tapping screw	ISO 14586 : 2001
Hexalobular socket head raised countersunk tapping screw	ISO 14587 : 2001

4 Shape and dimensions, specifications and designation The shape and dimensions, specifications and designation of hexalobular socket head screws shall be as given in table 2.

Table 2 Shape and dimensions, specification and designation

Type	Shape and dimensions	Specifications	Designation
Hexalobular socket pan head tapping screw	Attached figure 1 and attached table 1.1	Attached table 1.2	Attached table 1.3
Hexalobular socket countersunk head tapping screw	Attached figure 2 and attached table 2.1	Attached table 2.2	Attached table 2.3
Hexalobular socket raised countersunk head tapping screw	Attached figure 3 and attached table 3.1	Attached table 3.2	Attached table 3.3



Remarks : Symbols and designations of dimensions, except dimensions A and y , are specified in **JIS B 0143**.

Attached Figure 1 Hexalobular socket pan head tapping screw