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**Square head bolts**

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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 1182 : 1995** is replaced with this Standard.

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# Square head bolts

## 1 Scope

This Japanese Industrial Standard specifies characteristics of steel-made square head bolts (hereafter referred to as “bolts”) for general use.

## 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 0209-3 *ISO general purpose metric screw threads — Tolerances — Part 3 : Deviations for constructional screw threads*

JIS B 0601 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Terms, definitions and surface texture parameters*

JIS B 1010 *Designation system for fasteners*

JIS B 1044 *Fasteners — Electroplated coatings*

JIS B 1051 *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1 : Bolts, screws and studs*

JIS B 1071 *Method of verification for size and geometry of threaded fasteners*

## 3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in JIS B 0101 apply.

## 4 Classification

The bolts shall be classified into two types of the square head bolts and large size square head bolts according to the dimensions of the width across flats ( $s$ ) relative to the nominal diameter ( $d$ ) of the screw threads.

In addition, the value  $s/d$  of the square head bolts shall be 1.45 or over to and excl. 2, and the value  $s/d$  of the large size square head bolts shall be 2 or over.