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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 Treads 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 1178** : 1994 is replaced with this Standard.

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Foundation bolts

1 Scope

This Japanese Industrial Standard specifies characteristics of steel-made foundation 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 0209-2 *ISO general purpose metric screw threads— Tolerances— Part2 : Limits of sizes for general purpose external and internal screw threads— Medium quality*

JIS B 0209-3 *ISO general purpose metric screw threads— Tolerances— Part3 : Deviations for constructional screw threads*

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*

JIS G 3101 *Rolled steels for general structure*

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 four types of type L, type J, type LA and type JA according to the shapes.

5 Shapes and dimensions

The shapes and dimensions of bolts shall be in accordance with table 1.