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STANDARD

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(JSSC)

**Sets of high strength hexagon bolt,
hexagon nut and plain washers for
friction grip joints**

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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 Japanese Society of Steel Construction (JSSC) 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 1186: 2007** is replaced with this Standard.

However, **JIS B 1186: 2007** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until June 19, 2014.

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Sets of high strength hexagon bolt, hexagon nut and plain washers for friction grip joints

Introduction

This Japanese Industrial Standard was established in 1964 and has gone through seven revisions up to the present ; however, it has not undergone the substantial revision since 1995. The revision at this time is to correspond to the subsequent advancement and quality improvement of manufacturing technologies.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the sets of high strength hexagon bolt, hexagon nut and plain washers for friction grip joints (hereafter referred to as "sets") used mainly for steel structures.

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 : Limits of sizes for general purpose external and internal screw threads — Medium quality*

JIS B 0251 *Limit gauges for metric screw threads*

JIS B 4652 *Hand torque tools — Requirements and test methods*

JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*

JIS Z 2245 *Rockwell hardness test — Test method*

JIS Z 2320 (series) *Non-destructive testing — Magnetic particle testing*

JIS Z 2343-1 *Non-destructive testing — Penetrant testing — Part 1 : General principles — Method for liquid penetrant testing and classification of the penetrant indication*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 9003 *Single sampling inspection plans having desired operation characteris-*