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Turnbuckle for building

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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)/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Consequently, **JIS A 5540**:2003 has been revised and **JIS A 5542**:2003 has been withdrawn, and both are replaced with this Standard.

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Turnbuckle for building

1 Scope

This Japanese Industrial Standard specifies the turnbuckles mainly used for diagonal bracings of buildings (hereafter referred to as “turnbuckles”).

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 A 5541 *Body of turnbuckle for building*

JIS B 0205-2 *ISO general purpose metric screw threads—Part 2: General plan*

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

JIS B 0251 *Limit gauges for metric screw threads*

JIS B 1180 *Hexagon head bolts and hexagon head screws*

JIS B 1181 *Hexagon nuts and hexagon thin nuts*

JIS B 1186 *Sets of high strength hexagon bolt, hexagon nut and plain washers for friction grip joints*

JIS B 7507 *Vernier, dial and digital callipers*

JIS G 3101 *Rolled steels for general structure*

JIS G 3136 *Rolled steels for building structure*

JIS G 3138 *Rolled steel bars for building structure*

JIS G 4321 *Stainless steel for building structure*

JIS H 8641 *Hot dip galvanized coatings*

3 Constitution

The turnbuckle shall be composed as follows.

- a) The turnbuckle shall be composed of one turnbuckle body for building (hereafter referred to as “turnbuckle body”) and two turnbuckle bolts for building (hereafter referred to as “turnbuckle bolts”). However, in the case where the turnbuckle bolt of longer size (hereafter referred to as “longer turnbuckle bolts”) is needed to obtain the required length, a connection of thread double-end stud and thread strap bolt through a connection turnbuckle body is regarded as one turnbuckle bolt (this constitution hereafter referred to as “longer turnbuckle”).
- b) A turnbuckle bolt shall be in accordance with Annex A.
- c) A turnbuckle body shall be in accordance with **JIS A 5541**.
- d) The products shall be classified into carbon steel products, hot-dip zinc coated carbon steel products and stainless steel products according to the steel grade of the