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Spring lock washers

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Foreword

This Japanese Industrial Standard has been 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 Japan Spring Manufacturers Association (JSMA)/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 1251:2001** is replaced with this Standard.

However, **JIS B 1251: 2001** 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 July 19, 2019.

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Spring lock washers

1 Scope

This Japanese Industrial Standard specifies requirements for spring lock washers, conical spring washers, toothed lock washers and waved spring washers (hereafter generically referred to as washers) to be used for bolts, screws and nuts for general use (JIS B 1101, JIS B 1111, JIS B 1176, JIS B 1180, JIS B 1181, etc.).

NOTE Annex A provides classification, shapes and dimensions of washers intended for screw and washer assemblies.

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 0103 *Springs — Vocabulary*
- JIS B 0156 *Springs — Symbols*
- JIS B 1001 *Diameter of clearance holes and counterbores for bolts and screws*
- JIS B 1091 *Fasteners — Acceptance inspection*
- JIS B 1101 *Slotted head screws*
- JIS B 1111 *Cross recessed head screws*
- JIS B 1176 *Hexagon socket head cap screws*
- JIS B 1180 *Hexagon head bolts and hexagon head screws*
- JIS B 1181 *Hexagon nuts and hexagon thin nuts*
- JIS B 4620 *Parallel bench vices (Square jaw type)*
- JIS B 4621 *Parallel bench vices (round jaw type)*
- JIS B 7184 *Profile projectors*
- JIS B 7502 *Micrometers*
- JIS B 7503 *Mechanical dial gauges*
- JIS B 7507 *Vernier, dial and digital callipers*
- JIS B 7513 *Precision surface plates*
- JIS B 7533 *Dial test indicators (lever type)*
- JIS B 7738 *Verification of helical compression and extension springs testing machines*
- JIS G 0201 *Glossary of terms used in iron and steel (Heat treatment)*