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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 93-2025

Replacing GB 93-1987

Fasteners - Single coil spring lock washers - Normal type

紧固件 弹簧垫圈 标准型

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Foreword

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Fasteners - Single coil spring lock washers - Normal type

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents". This document replaces GB/T 93-1987 "Single coil spring lock washers - Normal type". Compared with GB/T 93-1987, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) ADD the specification of 1.6, and MODIFY certain d dimensions (see Table 1 of this document; Clause 3 of the 1987 edition);
- b) ADD a table of technical requirements and referenced standards (see Table 2 of this document);
- c) ADD the passivation requirements for stainless steel washers (see Table 2 of this document);
- d) ADD "If other technical requirements or surface treatments are required, they shall be agreed upon between the supplier and the purchaser." (see Table 2 of this document);

Fasteners - Single coil spring lock washers - Normal type 1 Scope

This document specifies the type, dimensions, technical requirements, marking, labeling, and designation of normal type single coil spring lock washers. This document applies to

normal type single coil spring lock washers (hereinafter referred to as "washers") with specifications ranging from

1.6 mm to 48 mm. NOTE: When the single coil spring lock washers specified in this document are used in conjunction with grade

12.9 bolts and screws, attention shall be paid to the phenomenon of spring washer expansion.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. GB/T

90.1 Fasteners - Acceptance inspection GB/T

90.2 Fasteners - Marking and packaging GB/T

94.1 Specification for spring washers - Single coil lock washers

GB/T 1220 Stainless steel bars GB/T 1222 Spring steels

GB/T 1237 Designation system for fasteners

GB/T 3099.4 Terminology of fasteners - Control, inspection, delivery, acceptance and quality

GB/T 3114 Copper and copper alloy rectangular wire

GB/T 4240 Stainless steel wires

GB/T 4354 Hot-rolled quality carbon steel wire rods

GB/T 4357 Cold-drawn unalloyed steel wire for springs

GB/T 5267.1 Fasteners - Electroplate coating

GB/T 5267.2 Fasteners - Non-electrolytically applied zinc flake coatings

GB/T 5276 Fasteners - Bolts, screws, studs and nuts - Symbols and descriptions of dimensions YB/T 5319 Trapeze steel wire for spring washer

3 Terms and definitions

This document does not contain any terms or definitions that need to be defined.

4 Type and dimensions

--- The End - - -