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

GB/T 15006-2009

Replacing GB/T 15006-1994

**General rules of dimensions, shape, surface quality, test method
and inspection for elastic alloys**

弹性合金的尺寸、外形、表面质量、试验方法和检验规则的一般规定

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Foreword

This standard replaces GB/T 15006-1994 "elastic alloy size, shape, surface quality, test methods and inspection rules of general Provisions. " Compared with the standard GB/T 15006-1994 The main changes are as follows:

--- Added "Normative references" clause;

--- Add "greater than 1.80mm thickness without trimming the strip, the supply and demand sides agreed that its width tolerance allowed deviation from Table 1 of Regulation Fixed "(1994 version 1.1.1, this version 3.1.1);

--- Table 1, Table 2, the thickness of the strip is not greater than the diameter of 1.80mm, cold drawing materials tolerance unified 3 after the decimal point;

--- "By the agreement between the rectangular cross-section can supply cold-drawn bar" with "by agreement between the other cross-sectional shapes can supply cold-drawn Bar "(1994 version 1.3.3, this version 3.3.3);

--- Table 4 hot rolling and forging material tolerances breakdown (Table 4, 1994, edition Table 4);

--- "Nominal diameter of 6.0mm ~ 9.0mm hot rolled round material to be delivered into a disk" to "nominal diameter 6.0mm ~ Hot-rolled round 12.0mm material into a disk general delivery "(1994 version 1.4.2.1, this version 3.4.2.1);

--- Straight bending of delivery Rolled by "not more than 6mm/m" to "not more than 5mm/m" (1994 edition 1.4.2.2, this Version 3.4.2.2);

--- "Cold-drawn bars to allow a slight scratch the surface and a depth of no more than half the nominal diameter tolerances pits, pitting and straightening trace memory In the "increase" but should ensure the minimum size bars "provisions (1994 version 2.3, this version 4.3);

--- Table 5 test items "Vickers hardness", "cupping test", "wound test" test method consists of "YB53-64", "YB38- 64 "and" YB37-65 "to the current standard" GB/T 4340.1 ", " GB/T 4156 "and" GB/T 2976 ", add" non-metallic Inclusions "test items, test methods according to GB/T 10561. Appendix A of this standard is a normative appendix. Appendix B of this standard is an informative annex. The standard proposed by China Iron and Steel Association. This standard is under the jurisdiction of the National Steel Standardization Technical Committee. This standard is mainly drafted by: Baoshan Iron & Steel Co., Ltd., Metallurgical Industry Information Standards Institute. Drafters of this standard. Shen Yi, ROCKETS, wear strong. This standard replaces the standards previously issued as follows:

--- GB/T 15006-1994. Size, shape, surface quality elastic alloy, General provisions of test methods and inspection rules

1 Scope

GB/T 15006-2009 is the Chinese national standard on general rules of dimensions, shape, surface quality, test method and inspection for elastic alloys, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 25 June 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2010. Classification: ICS 77.080.01, CCS H58. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the general provisions elastic alloy size, shape, surface quality, test methods and inspection rules. This standard applies to elastic alloy cold-rolled strip, cold drawing materials, cold-drawn bars, cold-drawn and hot-rolled bars polished (forging) material.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 223 (all parts), steel and alloy chemical analysis method

GB/T 228 metal materials at room temperature tensile test method (GB/T 228-2002, eqv

ISO 6892.1998)

GB/T 238 metal material wire repeated bending test method (GB/T 238-2002, ISO 7801. 1984, IDT)

GB/T 239 metal wire torsion test method (GB/T 239-1999, eqv ISO 7800. 1984 (E))

GB/T 2976 Test method for metallic materials winding wire (GB/T 2976-2004, ISO 7802. 1983, IDT)

GB/T 4156 Metallic materials - Sheet and strip - Erichsen cupping test (GB/T 4156-2007, ISO 20482.2003, IDT)

GB/T 4336 carbon steel and low alloy steel spark source atomic emission spectrometry method (conventional method)

GB/T 4340.1 Vickers hardness test - Part 1. Test method (GB/T 4340.1-1999, eqv ISO 6507-1. 1997)

GB/T 10561 Steel - Determination of content of nonmetallic inclusions standards diagrams microscopic examination method (GB/T 10561-2005, ISO 4967.1998, IDT)

GB/T 20066 Steel and iron - Sampling and determination of chemical composition of the preparation of samples (GB/T 20066-2006 use, ISO 14284. 1996, IDT)

GB/T 20123 Steel - Determination of total carbon and sulfur content of the high-frequency induction furnace combustion infrared absorption method (conventional method) (GB/T 20123-2006, ISO 15350.2000, IDT)

GB/T 22315 metallic material elastic modulus and Poisson's ratio test method 3 size, shape

3.1 cold rolled strip