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

GB/T 5953.2-2009

Replacing GB/T 5953-1999

**Steel wire for cold heading and cold forging -- Part 2: Not
intended for heat treatment**

冷镦钢丝 第2部分：非热处理型冷镦钢丝

(English Translation)

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Foreword

1 Part, and Part common instead of GB/T 5953-1999 "cold heading wire."

2 References

Foreword

GB/T 5953 "cold heading wire" is divided into three parts.

- Part 1. heat-type cold heading steel wire;
- Part 2. Non-heat-type cold heading steel wire;
- Part 3. non-quenched cold heading steel wire type.

This section GB/T 25953 Part, modifications using JISG3507-2:2005 "Carbon steel cold upsetting" (in English).

According to this section JISG3507-2:2005 redrafted. For comparison, in information listed in Appendix A of this section shall Differences technical reasons and the list of 2005 terms. money and JISG3507-2.

This portion JISG3507-2. Compared to 2005, the main technical differences are as follows.

- Increase "Classification and designation";
- Increased the order content;
- Grade and chemical composition is different;
- Increase forging test requirements;
- Mechanical specifications by wire segments;
- Increase "carburant" Check project agreement.

1 Part, and Part common instead of GB/T 5953-1999 "cold heading wire."

Section compared with GB/T 5953-1999 The main changes are as follows.

- Modify the delivery status;
- Increased the order content;
- Expanding the wire diameter range, expanded from (1.00 ~ 16.00) mm to (1.00 ~ 45.00)

mm;

--- Improving the dimensional accuracy and flatness;

--- Improving the heavy plate;

--- Canceled tag example;

--- Tightened the decarburization requirements;

--- Added "carburizing" requirement.

Appendix A of this section is informative appendix.

This part is proposed by the China Iron and Steel Association.

This part of the National Steel Standardization Technical Committee.

This part mainly drafted by. Nanjing Baori Wire Products Co., Dongbei Special Steel Group Co., Ltd., Metallurgical Industry Information Standards Institute, Xingtai Iron and Steel Co., Ltd.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 222 chemical composition of finished steel tolerance GB/T 223.3 steel and alloy chemical analysis method two antipyrine methane phosphomolybdate gravimetric method for the determination of phosphorus content GB/T 223.5 steel measuring soluble silicon and total silicon content reduced silicon molybdate salt spectrophotometric method GB/T 223.9 steel and aluminum alloys - Determination of chromium content Azure S Spectrophotometry GB/T 223.58 Methods for chemical analysis of iron, steel and alloys of sodium arsenite - sodium nitrite determination of manganese content titration GB/T 223.59 Steel and Alloy Determination of phosphorus content by bismuth phosphomolybdate blue spectrophotometric method and antimony phosphomolybdate blue spectrophotometry GB/T 223.60 Methods for chemical analysis of iron, steel and alloy perchloric acid dehydration gravimetric method for the determination of silicon content Determination of phosphorus content GB/T 223.61 Methods for chemical analysis of iron, steel and alloy The ammonium phosphomolybdate volumetric method GB/T 223.62 Methods for chemical analysis of iron, steel and alloy butyl acetate extraction spectrophotometric determination of phosphorus content GB/T 223.63 Methods for chemical analysis of iron, steel and alloy The sodium (potassium) for Determination of amount GB/T 223.64 steel and alloy manganese content - Flame Atomic Absorption Spectrometry GB/T 223.67 steel and alloy sulfur content -

Methylene blue spectrophotometric method Determination of sulfur content of potassium iodate titration method after GB/T 223.68 Methods for chemical analysis of iron, steel and alloy tube furnace combustion GB/T 223.69 after carbon and alloy steel - Determination of the pipe furnace combustion gas volumetric method After the determination of carbon content - Gravimetric method GB/T 223.71 Methods for chemical analysis of iron, steel and alloy tube furnace combustion GB/T 223.72 steel and alloy sulfur content - Gravimetric method GB/T 228 metal materials at room temperature tensile test method GB/T 230.1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T standard ruler) GB/T 342-1997 cold drawn round, square steel, hexagonal wire size, shape, weight and tolerance GB/T 905-1994 cold drawn round, square, hexagonal size, shape, weight and tolerance GB/T 2103 General provisions wire acceptance, packaging, marking and quality certificate GB/T 4336 carbon steel and low alloy steel spark source atomic emission spectrometry method (conventional method) GB/T 6478 steel for cold heading and cold extrusion GB/T 13298 metal microstructure inspection method GB/T 20066 Steel and iron - Sampling and determination of the chemical composition of the sample with a sample preparation method