

CCS H 44



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

GB/T 701-2008

**Hot rolled low carbon steel wire rods
(English Translation)**

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1 Scope

This Standard specifies order content, dimension and shape, weight and allowable deviation, technical requirements, test methods, test rules and packing, marking and quality certificate of hot-rolled low-carbon steel wire rods.

This Standard is applicable to low-carbon steel hot-rolled wire rods for deep processing and other general purpose.

This Standard is not applicable to the following products:

- hot-rolled carbon bar steel for standard part;
- steel wire rods for welding;
- cold heading steel;
- free-cutting structural steels;
- bar steel for anchor chain.

2 Normative References

The following normative documents contain provisions which, through reference in this text, constitute provisions of this Standard. For dated reference, the subsequent amendments (excluding correction) or revisions of these publications do not apply.

However, the parties whose enter into agreement according to these specifications are encouraged to research whether the latest editions of these editions are applicable. For undated references, the latest edition of the normative document referred to applies.

GB/T 222 Permissible tolerances for chemical composition of steel products

GB/T 223.3 Methods for chemical analysis of iron, steel and alloy - The diantipyrylmethane phosphomolybdate gravimetric method for the determination of phosphorus content

GB/T 223.5 Steel and iron - Determination of acid-soluble silicon and total silicon content
- Reduced molybdosilicate spectrophotometric method (GB/T 223.5-1997, NEQ ISO 4829-1:1986, ISO 4829-2: 1988)

GB/T 223.12 Methods for chemical analysis of iron, steel and alloy - the sodium carbonate separation-diphenyl carbazide photometric method for the determination of chromium content

GB/T 223.19 Methods for chemical analysis of iron steel and alloy - the neocuproine-chloroform extraction photometric method for the determination of copper content

GB/T 223.23 Methods for chemical analysis of iron, steel and alloy - the dimethylglyoxime spectrophotometric method for the determination of nickel content (GB/T 223.23-1994, MOD ISO 4939: 1984)

GB/T 223.59 Methods for chemical analysis of iron, steel and alloy - The reduced molybdoantimonyl phosphoric acid photometric method for the determination of phosphorus content

GB/T 223.60 Methods for chemical analysis of iron, steel and alloy - the perchloric acid dehydration gravimetric method for the determination of silicon content (GB/T 223.60-1997, MOD ISO 439: 1994)

GB/T 223.61 Methods for chemical analysis of iron, steel and alloy - The ammonium phosphomolybdate volumetric method for the determination of phosphorus content

GB/T 223.62 Methods for chemical analysis of iron, steel and alloy - The butyl acetate extraction photometric method for the determination of phosphorus content

GB/T 223.63 Methods for chemical analysis of iron, steel and alloy - The sodium (potassium) periodate photometric method for the determination of manganese content (GB/T 223.63-1988, MOD ISO 629: 1982)

GB/T 223.64 Methods for chemical analysis of iron, steel and alloy - The flame atomic absorption spectrometric method for the determination of manganese content (GB/T 223.64 1988, MOD ISO 10700:1984)

GB/T 223.68 Methods for chemical analysis of iron, steel and alloy - The potassium iodate titration method after combustion in the pipe furnace for the determination of sulfur content (GB/T 223.68-1997, MOD ISO 671: 1982)

GB/T 223.69 Methods for chemical analysis of iron, steel and alloy - The gas-volumetric method after combustion in the pipe furnace for the determination of carbon content

GB/T 223.71 Methods for chemical analysis of iron, steel and alloy - The gravimetric method after combustion in the pipe furnace for the determination of carbon content (GB/T 223.71-1997, MOD ISO 437: 1982)

GB/T 223.72 Methods for chemical analysis of iron, steel and alloy - The alumina chromatographic separation-barium sulfate gravimetric method for the determination of sulphur content

GB/T 228 Metallic materials - Tensile testing at ambient temperature (GB/T 228-2002, eqv ISO 6892: 1998 (E))

GB/T 232 Metallic materials - Bend test (GB/T 232-1999, eqv ISO 7438: 1985 (E)) GB/T

700 Carbon Structural Steels

GB/T 2101 General requirements of acceptance, packaging, marking, and certification for section steel

GB/T 2975 Steel and steel products - Location and preparation of test pieces for mechanical testing (GB/T 2975-1998, eqv ISO 377: 1997)

GB/T 4336 Standard test method for spark discharge atomic emission spectrometric analysis of carbon and low-alloy steel (routine method)

GB/T 14981 Dimensions, shape, mass and tolerances for hot-rolled wire rods