

Translated English of Chinese Standard: GB/T38347-2019

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 77.140.60
H 49

GB/T 38347-2019

**Hot-rolled Wire Rod of Ultra-low Carbon Steel with
High Boron**

超低碳高硼钢热轧盘条

Issued on: December 10, 2019

Implemented on: July 1, 2020

Issued by: State Administration for Market Regulation;

**Standardization Administration of the People's Republic of
China.**

Table of Contents

Foreword	3
1 Scope	4
2 Normative References	4
3 Designation Representation Method	6
4 Order Content.....	6
5 Dimensions, Appearances, Weights and Allowable Deviations.....	7
6 Technical Requirements	7
7 Test Methods	9
8 Inspection Rules	10
9 Packaging, Marking and Quality Certificate	11
Appendix A (informative) Purposes of Different Designations of Ultra-low Carbon Steel with High Boron	12

Hot-rolled Wire Rod of Ultra-low Carbon Steel with High Boron

1 Scope

This Standard stipulates the designation representation method, order content, dimensions, appearances, weights, allowable deviations, technical requirements, test methods, inspection rules, packaging, marking and quality certificate of hot-rolled wire rod of ultra-low carbon steel with high boron.

This Standard is applicable to hot-rolled wire rod of ultra-low carbon steel with high boron with the diameter of 3 mm ~ 60 mm (hereinafter referred to as wire rod).

2 Normative References

The following documents are indispensable to the application of this document. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 222 *Permissible Tolerances for Chemical Composition of Steel Products*

GB/T 223.4 *Alloyed Steel - Determination of Manganese Content - Potentiometric or Visual Titration Method*

GB/T 223.5 *Steel and Iron - Determination of Acid-soluble Silicon and Total Silicon Content - Reduced Molybdsilicate Spectrophotometric Method*

GB/T 223.9 *Iron Steel and Alloy - Determination of Aluminum Content - Chrome Azurol S Photometric Method*

GB/T 223.11 *Iron, Steel and Alloy - Determination of Chromium Content - Visual Titration or Potentiometric Titration Method*

GB/T 223.37 *Methods for Chemical Analysis of Iron, Steel and Alloy - The Indophenol Blue Photometric Method for the Determination of Nitrogen Content after Distillation Separation*

GB/T 223.59 *Iron, Steel and Alloy - Determination of Phosphorus Content - Bismuth Phosphomolybdate Blue Spectrophotometric Method and Antimony Phosphomolybdate Blue Spectrophotometric Method*

GB/T 223.63 *Methods for Chemical Analysis of Iron, Steel and Alloy - The Sodium (potassium) Periodate Photometric Method for the Determination of Manganese*

Conductimetric Method after Fusion in a Current of Inert Gas

GB/T 20125 Low-alloy Steel - Determination of Multi-element Contents - Inductively Coupled Plasma Atomic Emission Spectrometric Method

GB/T 20126 Unalloyed Steel - Determination of Low Carbon Content - Part 2: Infrared Absorption Method after Combustion in an Induction Furnace (with preheating)

GB/T 22368 Low-alloy Steel - Determination of Multi-element Contents - Glow Discharge Optical Emission Spectrometry (routine method)

YB/T 081 Rule for Rounding Off of Numerical Values and Judgement of Testing Values for Technical Standards of Metallurgy

3 Designation Representation Method

The designations of wire rod are: CH1B, CH3B, CH5B, BP05, BP05D. See the specific meaning below:

CH1B:

- C represents “carbon”;
- H represents the initials of “high”;
- B represents “boron”;
- 1 represents one in ten thousand of carbon content.

BP05D:

- BP represents the initials of “blasting”;
- 05 represents five in ten thousand of carbon content;
- D represents the initials of “electric”.

Please refer to Appendix A for the purposes of each designation of steel.

4 Order Content

Order content, which shall be explicitly indicated in the contract, includes:

- a) Serial No. of this Standard;
- b) Product name;

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----