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ICS 77.18
CCS H99

YB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YB/T 4119-2004

Specifications for mould plates of CC

连铸结晶器铜板 技术规范

(English Translation)

Issued on: June 17, 2004 **Implemented on: November 1, 2004**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YB/T 4119-2004 was issued by Ministry of Industry and Information Technology on 17 June 2004 and has been in force since 1 November 2004.

The YB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 9 pages in English translation.

2 Scope Preview

This standard specifies the materials, machining and electroplating technical requirements, test methods, inspection rules and packaging requirements for mould plates of CC. This standard is applicable to the manufacture of copper-chromium-zirconium, copper-silver and copper-nickel-beryllium plates for mould of CC and chromium, nickel, ferro-nickel, nickel-cobalt and cobalt-nickel electroplated coatings.

YB/T 4119-2004 falls under ICS 77.18, in the field of metallurgy.

This catalogue holds 971 other YB/T standards in that field.

In this catalogue, YB/T standards carry edition years from 1980 to 2026.

3 Normative references

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

GB/T 231.1 - Metallic materials - Brinell hardness test - Part 1: Test method (eqv ISO 6506-1:1999)

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GB/T 1804-2000 - General tolerances - Tolerances for linear and angular dimensions without individual tolerance indications (eqv ISO 2768-1: 1989)

GB/T 2040 - Copper and copper alloy sheet

GB/T 3651 - Measuring method for thermal conductivity of metal at high temperature

GB/T 4339 - Test methods for thermal expansion characteristic parameters of metallic materials (neq ASTM E 228:1995)

GB/T 4955 - Metallic coatings - Measurement of coating thickness - Coulometric method by anodic dissolution (idt ISO 2177:1985)

GB/T 4956 - Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method (eqv ISO 2178:1982)

GB/T 5121.1 - ~5121.23 Methods for chemical analysis of copper and copper alloys

GB/T 5270 - Metallic coatings on metallic substrates - Electrodeposited and chemically deposited coatings - Review of methods available for testing adhesion (eqv ISO 2819:1980)

GB/T 8888 - Wrought heavy non-ferrous metal products - Packing, marking, transporting and storing

GB/T 9790 - Metallic and related coatings - Vickers and knoop microhardness tests (neq ISO 4516:1980)

GB/T 10610 - Geometrical product specifications (GPS) - Surface texture: Profile method - Rules and procedures for the assessment of surface texture (eqv ISO 4288:1996)

GB/T 11379 - Metallic coatings - Electroplated coatings of chromium for engineering purposes (neq ISO 6158:1984)

GB/T 12332 - Metallic coatings - Electroplated coatings of nickel for engineering purposes (eqv ISO 4526:1984)

GB/T 12611 - Technical requirements of quality control for metal parts to be coated

GB/T 17394 - Metallic materials - Leeb hardness test

JB/T 10061 - Commonly used specification A-mode ultrasonic flaw detector using pulse echo technique (eqv ASTM E 750:1980)

4 About this standard

Sector: Ferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 9 pages (approximate)

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Chinese original: about 14,151 characters

5 Related standards

Standards on related subjects:

GB/T 13314-2025 - Forged steel work rolls for cold rolling - General technical specifications

GB/T 1504-2024 - Cast iron rolls

YB/T 4064-2015 - Technical specifications of pay-off reel mandrel and tension reel mandrel for metal strip

YB/T 6354-2025 - High-Voltage Electrostatic Separators for Metallurgical Mining

YB/T 6167-2024 - Hydraulic cylinder for thickness control of strip mill

YB/T 4072-2021 - Blast furnace hot air valve

6 Classification and status

International classification (ICS): 77.18

Chinese Standard Classification (CCS): H 99

Prefix YB/T: recommended standard.

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