

ICS 77.150.30  
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**GB**

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

**GB/T 2059-2017**

Replacing GB/T 2059-2008

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## **Copper and copper alloy strip**

铜及铜合金带材

**Issued on: May 31, 2017**

**Implemented on: December 1, 2017**

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**Issued by: General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China;**

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

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## Foreword

This Standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 2059-2008 "Sheet of copper and copper strip". Compared with GB/T 2059-2008, the main changes in this Standard are as follows:

- ADD the code name of copper and copper alloys;
- MODIFY the designation and state of alloys;
- ADD 3 designations, i.e. H66, BZn18-18 and BZn18-26, and the corresponding requirements;
- ADD H08 state to designation QSn8-0.3;
- MODIFY the thickness and width range of some strips;
- MODIFY the mechanical property of some strips;
- DELETE the provisions of Rockwell hardness (HRB);
- MODIFY the "Dimension measurement method" TO "The test method for dimension of strips is in accordance with the provisions of GB/T 26303.3";
- ADD the reference to YS/T 482 "Methods for analysis of copper and copper alloys - The atomic emission spectrometry" and YS/T 483 "Methods for analysis of copper and copper alloys - X-Ray fluorescence spectrometric (wavelength dispersive)";
- MODIFY the tensile test sample number according to the provisions of GB/T 228.1-2010;
- ADD the provision of "The sampling method shall comply with the provisions of YS/T 668; the sample for mechanical properties and process performance shall be prepared according to the provisions of YS/T 815";
- ADD the provisions of the sampling direction of strips for bend test.

This Standard is proposed by China Nonferrous Metals Industry Association.

The Standard is under the jurisdiction of National Technical Committee on Nonferrous Metals of Standardization Administration of China (SAC/TC 243).

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The historical version of the standard replaced by this Standard is as follows:

- GB/T 2059-1980, GB/T 2059-1989, GB/T 2059-2000, GB/T 2059-2008;
- GB/T 2067-1980;
- GB/T 2069-1980;
- GB/T 11089-1989;
- GB/T 15714-1995.

# Copper and copper alloy strip

## 1 Scope

This Standard specifies the requirements, test methods, inspection rules and marking, packaging, transportation, storage, quality certificates and order (or contract) contents of copper and copper alloy strips.

This Standard applies to wrought copper and copper alloy strips for general purpose (hereinafter referred to as strips).

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the dated edition cited applies. For undated references, the latest edition of the referenced document (including all amendments) applies.

GB/T 228.1-2010 Metallic materials - Tensile testing - Part 1: Method of test at room temperature

GB/T 232 Metallic materials - Bend test

GB/T 351 Metallic materials - Resistivity measurement method

GB/T 4340.1 Metallic materials - Vickers hardness test - Part 1: Test method

GB/T 5121 (all parts) Methods for chemical analysis of copper and copper alloys

GB/T 5231 Designation and chemical composition of wrought copper and copper alloys

GB/T 6147 Test method for thermoelectric power of precision resistance alloys

GB/T 6148 Test method for temperature-resistance coefficient of precision resistance alloys

GB/T 8888 Wrought heavy non-ferrous metal products - Packing, marking, transportation, storing and certificate of quality

GB/T 17793 Wrought copper and copper alloy plate, sheet and strip for general purposes - Dimensions and tolerances