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CCS H62



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

GB/T 11087-2012

Replacing GB/T 11087-2001

Brass strip for heat-exchanger tubing

散热器冷却管专用黄铜带

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 11087-2001 "special radiator condenser brass band." This standard compared with GB/T 11087-2001, The main changes are as follows:

- Increase H85 grade;
- Thickness ranging from "0.08 to 0.18" to "0.10 to 0.20";
- Remove the Ordinary thickness deviation level precision;
- Thickness deviation segment consists of three segments adjusted to two;
- Increasing the strip coil weight "through contracts to provide other volumes indicate weight requirements.";
- Side strip curvature less than 1mm per meter from the modifications for each 2m of not more than 4mm;
- Increase the mechanical properties of H85 at room temperature;
- Increased strip chemical composition analysis method YS/T 482 "Copper and copper alloys photoemission spectroscopy analysis method";
- Increase the informative Appendix A. side strip curvature value equivalent conversion. The revised standard used by the US ASTM B569.2009 "heat exchanger tubes narrow thin brass strip." This standard and the United States ASTM B569.2009 compared to the main differences are as follows:
 - Increased H90, H68, HAs68-0.04 grades;

1 Scope

GB/T 11087-2012 is the Chinese national standard on brass strip for heat-exchanger tubing, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2013. Classification: ICS 77.150.30, CCS H62. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies requirements for a dedicated cooling pipe radiator brass band, test methods, inspection rules and signs, packaging, transportation, storage, quality Certificates and contracts (or orders) content. This standard applies to agricultural machinery, engineering machinery and automotive manufacturing and other industrial sectors dedicated radiator cooling pipe brass band.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. RT Test Method. Test Part 1

GB/T 228.1-2010 metal material tensile

GB/T 4340.1 metallic materials - Vickers hardness test - Part 1. Test methods

GB/T 5121 (all parts) of copper and copper alloys -

GB/T 5231 and processing of copper and copper alloy grades and chemical composition

GB/T 8888 heavy non-ferrous metal processing products, packaging, labeling, transportation and storage

GB/T 26303.3 copper and copper alloy processing material Dimensions detection methods - Part 3. plate and strip YS/T 482 copper and copper alloy analysis photoemission spectroscopy

3.1 Categories

3.1.1 grade, status, specifications Strip grades, status, size should be in accordance with Table 1. When the demand side to provide other states or specifications strip, by both

parties Association Suppliers identified and stated in the order (or contract) in. Table 1 strip grades, status and specifications Grade Supply status Size/mm H90, H85, H70, HAs70-

0.05 H68, HAs68-0.04 1/4 hard (H01), 1/2 hard (H02), Hard (H04) Thickness Width ~ ~ 100
20 0.20 0.10

3.1.2 tag example Strip marked by product name, the order of the standard number, grade, state, thickness and width of the representation. Tag example as follows: With HAs68-

0.04 manufacturing, H02 state, a thickness of 0.12mm, a width of 43mm strip marked.

3.2 Chemical composition Strip all grades chemical composition should be consistent with GB/T 5231 regulations.