



JAPANESE
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STANDARD

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JIS H 2123 : 1999

Copper billets and cakes

ICS 77.150.30

Descriptors : copper, non-ferrous metals, transition metals, billets, semi-finished products, castings

Reference number : JIS H 2123 : 1999 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS H 2123 : 1990** is replaced with **JIS H 2123 : 1999**.

This revision has been prepared based on **ISO 431** for conforming with the International Standard.

Date of Establishment: 1962-06-01

Date of Revision: 1999-10-20

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Investigated by: Japanese Industrial Standards Committee
Divisional Council on Non-Ferrous Metals

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Copper billets and cakes

Introduction This Japanese Industrial Standard has been prepared based on the second edition issued in 1981 of **ISO 431** *Copper refinery shapes* without altering the technical contents as to the corresponding parts (appearance and physical properties of quality, dimensional tolerances, marking, etc.), however, among the testing methods, the content which has not been specified in the corresponding International Standard (repeated bending test) has been supplemented as the Japanese Industrial Standard, and in addition, as to the scope, types, grades, and the chemical composition of quality, the contents of the corresponding International Standard have been altered.

The portions with dotted underlines are the items not included in the original International Standard.

1 Scope This Standard specifies the oxygen-free copper billets and cakes, tough pitch copper billets and cakes and phosphorus-deoxidized copper billets and cakes (hereafter referred to as "copper billets and cakes") to be used for the elongated materials.

Remarks : The International Standard corresponding to this Standard is as follows.

ISO 431 : 1981 *Copper refinery shapes*

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall apply.

JIS C 3002 *Testing methods of electrical copper and aluminium wires*

JIS H 0301 *General rules for sampling, sample preparation and analytical testing of non-ferrous metals*

JIS H 1051 *Methods for determination of copper in copper and copper alloys*

JIS H 1058 *Methods for determination of phosphorus in copper and copper alloys*

JIS H 1101 *Methods for chemical analysis of electrolytic cathode copper*

JIS H 1202 *Method for chemical analysis of oxygen-free copper products for electron tubes*

ISO 2626 *Copper-hydrogen embrittlement test*

3 Types and symbols The types and symbols of copper billets and cakes shall be in accordance with Table 1.