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JIS H 3250 : 2015

(JCBA/JSA)

Copper and copper alloy rods and bars

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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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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Copper and Brass Association (JCBA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS H 3250**:2012 is replaced with this Standard.

However, **JIS H 3250**:2012 may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until March 19, 2016.

Being in conformance with this Standard may come under the use of the patent rights held by the following.

Company name	Address	Type of industrial property right	Date of establish-ment	Designation
Chuetsu Metal Works Co. Ltd.	1-1 Nishi-Ashihara-shin, Tateyama-machi, Nakaniikawa-gun, Toyama-ken	Patent number 3335002	2002.08.02	Lead-free free-cutting brass alloy excellent in hot formability
Hitachi Alloy, Ltd.	254-2 Uchidagaya, Kazo-shi, Saitama-ken	Patent number 3485502	2003.10.24	Lead-free free-cutting copper alloy material
SAN-ETSU METAL Co. Ltd.	1-4-1 Yoshihisa Takaoka-shi, Toyama-ken	Patent number 3966896	2007.06.08	Brass material
		Patent number 4509801	2010.05.14	Copper alloy material
Mitsubishi Shindoh Co. Ltd.	4-7-35 Kita-shinagawa, Shinagawa-ku, Tokyo-to	Patent number 3734372	2005.10.28	Lead-free free-cutting copper alloy
		Patent number 3917304	2007.02.16	Free-cutting copper alloy
		Patent number 4951623	2012.03.16	Free-cutting copper alloy containing super-low lead
KITZ METAL WORKS Corporation	7377 Miyagawa, Chino-shi, Nagano-ken	Patent number 4184357	2008.09.12	Lead-free free-cutting brass alloy and its manufacturing method
		Patent number 4266039	2009.02.27	Lead-free free-cutting brass alloy and manufacturing method
KITZ Corporation	1-10-1 Nakase, Mihama-ku, Chiba-shi, Chiba-ken	Patent number 3732305	2005.10.21	Copper base alloy excellent in corrosion resistance, hot formability and stress corrosion cracking resistance and production method thereof
		Patent number 3761741	2006.01.20	Brass and product using this alloy

Company name	Address	Type of industrial property right	Date of establish-ment	Designation
		Patent number 4397963	2009.10.30	Lead-less brass-alloy having excellent stress corrosion cracking resistance
		Patent number 4550154	2010.07.16	Lead-less brass-alloy having excellent stress corrosion cracking resistance
DOWA Metaltech Co. Ltd.	4-14-1 Sotokanda, Chiyoda-ku, Tokyo-to	Patent number 3824944	2006.07.07	Copper alloy having excellent stress corrosion cracking resistance and dezincification resistance and production method thereof

The relevant holders of the above-mentioned patent rights have indicated an intention of granting license to anyone under the nondiscriminatory and reasonable conditions, except to the other relevant holders of the patent rights related to this Standard who will not grant their licenses under the same conditions.

It should be noted that following this Standard does not always refer to granting a free license.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights.

The “patent rights” as mentioned here include patent right, application for a patent after opening to the public or utility model right.

Copper and copper alloy rods and bars

1 Scope

This Japanese Industrial Standard specifies the extended copper and copper alloy rods and bars having round/regular hexagonal/square/rectangular/rounded regular hexagonal section (hereafter referred to as "bars").

NOTE 1 "Bars" refer to the extended solid products of a uniform section along all the length, which are supplied in a straight form.

NOTE 2 "Rounded regular hexagonal" refers to the shape of a regular hexagon with corners rounded along the circumference of a circle having a diameter smaller than that of the circumscribing circle of the hexagon.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) listed below shall be applied.

JIS B 8607 *Flare type and brazing type fittings for refrigerants*

JIS H 0321 *General rules for inspection of non-ferrous metal materials*

JIS H 0500 *Glossary of terms used in wrought copper and copper alloys*

JIS H 0505 *Measuring methods for electrical resistivity and conductivity of non-ferrous materials*

JIS H 1051 *Copper and copper alloys—Determination of copper content*

JIS H 1052 *Methods for determination of tin in copper and copper alloys*

JIS H 1053 *Methods for determination of lead in copper and copper alloys*

JIS H 1054 *Methods for determination of iron in copper and copper alloys*

JIS H 1055 *Methods for determination of manganese in copper and copper alloys*

JIS H 1056 *Methods for determination of nickel in copper and copper alloys*

JIS H 1057 *Methods for determination of aluminium in copper and copper alloys*

JIS H 1058 *Copper and copper alloys—Determination of phosphorus content*

JIS H 1061 *Methods for determination of silicon in copper and copper alloys*

JIS H 1064 *Method for determination of tellurium in copper*

JIS H 1065 *Method for determination of selenium in copper and copper alloys*

JIS H 1067 *Methods for determination of oxygen in copper*

JIS H 1068 *Methods for determination of bismuth in copper and copper alloys*

JIS H 1069 *Methods for determination of cadmium in copper and copper alloys*

JIS H 1072 *Methods for determination of antimony in copper and copper alloys*

JIS H 1292 *Methods for X-ray fluorescence spectrometric analysis of copper alloys*