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(JCBA/JSA)

**Phosphor bronze and nickel silver sheets,  
plates and strips**

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In the event of any doubts arising as to the contents,  
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## Contents

	Page
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Designation, grade and symbol of grade .....	2
5 Quality .....	2
5.1 Appearance .....	2
5.2 Chemical composition .....	2
5.3 Mechanical properties .....	3
6 Dimensions and tolerances, and permissible values for shape .....	11
6.1 Dimensions .....	11
6.2 Inside diameters of strips .....	11
6.3 Dimensional tolerances .....	11
6.4 Permissible values for camber of strips .....	13
7 Tests .....	13
7.1 Chemical analysis .....	13
7.2 Tensile test .....	14
7.3 Bend test .....	14
7.4 Hardness test .....	15
8 Inspection .....	15
9 Marking .....	16
10 Report .....	16
Annex A (informative) Representative thicknesses of plates and strips, and representative inside diameters of strips .....	17

## Foreword

This Japanese Industrial Standard has been 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS H 3110 : 2018**), which has been technically revised.

However, **JIS H 3110 : 2018** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 20 March 2026.

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# Phosphor bronze and nickel silver sheets, plates and strips

## 1 Scope

This Japanese Industrial Standard specifies requirements for rolled phosphor bronze and nickel silver sheets and plates (hereafter referred to as plates) and strips (hereafter referred to as strips).

## 2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- 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 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 1058 *Copper and copper alloys — Determination of phosphorus content*
- JIS H 1062 *Methods for determination of zinc in copper and copper alloys*
- JIS H 1292 *Copper alloys — Methods for X-ray fluorescence spectrometric analysis*
- JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*
- JIS Z 2244-1 *Vickers hardness test — Part 1: Test method*
- JIS Z 2244-2 *Vickers hardness test — Part 2: Tables of hardness values*
- JIS Z 2248 *Metallic materials — Bend test*

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in **JIS H 0500** apply.

### 3.1

#### camber

<strip> depth of arc over any reference length