

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS H 2201 : 2015

(JMIA/JSA)

Zinc alloy ingots for die casting

ICS 77.120.60

Reference number : **JIS H 2201 : 2015 (E)**

Date of Establishment: 1953-12-25

Date of Revision: 2015-03-20

Date of Public Notice in Official Gazette: 2015-03-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic

Materials

JIS H 2201:2015, First English edition published in 2015-09

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

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Printed in Japan

HT/AT

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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 Mining Industry Association (JMIA)/ 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 2201:1999** is replaced with this Standard.

However, **JIS H 2201:1999** 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.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Zinc alloy ingots for die casting

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 301** published in 2006 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the types and symbols, chemical compositions, marking and other requirements for zinc alloy ingots for die casting (hereafter referred to as “ingots”).

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 301:2006 *Zinc alloy ingots intended for casting* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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) indicated below shall be applied.

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

JIS H 1551 *Die casting zinc alloy—Methods for chemical analysis*

JIS H 1560 *Method for atomic emission spectrophotometric analysis of die casting zinc alloy*

JIS H 2107 *Zinc ingots*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1 ingots

solid body obtained by casting liquid zinc alloys

3.2 zinc alloys

zinc with additions of one or more alloying elements, such as: Al, Mg, Cu

3.3 cast

process for manufacturing ingots in the shape of jumbo or slab from liquid zinc alloys