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Aluminium alloy ingots for castings

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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 Aluminium Association (JAA)/ Japan Aluminium Alloy Refiners Association (JARA)/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 2211 : 1999 has been replaced with this Standard.

However, JIS H 2211 : 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 22nd September, 2010.

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Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Aluminium alloy ingots for castings

Introduction

This Japanese Industrial Standard on aluminium alloy ingots for castings has been prepared based on the fourth edition of ISO 3522, which is the International Standard on castings published in 2007, so as to conform to the standard on ingots of the first edition of ISO 17615 published in 2007 and also to correspond to JIS H 5202 on castings which was revised in 2010.

In this Standard, all of the aluminium alloy ingots for castings specified in the conventional JIS H 2211 and all of the aluminium alloy ingots for castings other than the die casting among the types specified in the corresponding International Standard ISO 17615 are specified together. The types thereof are classified by symbols. The portions with sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with explanations is given in Annex JA.

1 Scope

This Standard specifies aluminium alloy ingots used for the mould castings, sand castings, etc.

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

ISO 17615:2007 *Aluminium and aluminium alloys—Alloyed ingots for remelting—Specifications* (MOD)

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

JIS H 1305 *Method for optical emission spectrochemical analysis of aluminium and aluminium alloys*

JIS H 1306 *Methods for atomic absorption spectrometric analysis of aluminium and aluminium alloys*

JIS H 1307 *Methods for inductively coupled plasma emission spectrometric analysis of aluminium and aluminium alloys*