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(JLWA/JSA)

Aluminium and aluminium alloy welding rods and wires

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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 Light Metal Welding & Construction Association (JLWA)/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 Z 3232:2000 is replaced with this Standard.

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## Aluminium and aluminium alloy welding rods and wires

JIS Z 3232: 2009

### Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 18273 published in 2004 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 welding rods (hereafter referred to as "rods") and the welding wires (hereafter referred to as "wires") of aluminium and aluminium alloy used for MIG welding, TIG welding and oxy-acetylene welding.

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

ISO 18273: 2004 Welding consumables — Wire electrodes, wires and rods for welding of aluminium and aluminium alloys — Classification (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**.

## 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
- JIS H 1352 Methods for determination of silicon in aluminium and aluminium alloys