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Solid wires for MAG and MIG welding of atmospheric corrosion resisting steel

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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 The Japan Welding Engineering Society (JWES) 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 3315:2007 is replaced with this Standard.

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Introduction

This Japanese Industrial Standard has been prepared based on the second edition of ISO 14341 published in 2010 and the first edition of ISO 16834 published in 2006 with some modifications of the technical contents. ISO 14341 is a combined standard of EN 440 and the standard used around the Pacific Rim, and ISO 16834 is a combined standard of EN 12534 and the standard used around the Pacific Rim. Either or both of them are allowed to be used in particular global markets. According to this, this Standard gives requirements of solid wires for MAG and MIG welding of atmospheric corrosion resisting steel referred from the parts corresponding to the standards used in Pacific Rim (ISO 14341 System B and ISO 16834 System B) in the text.

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

1 Scope

This Standard specifies solid wires for MAG and MIG welding of atmospheric corrosion resisting steel (hereafter referred to as "wires").

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

ISO 14341:2010 Welding consumables—Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels—Classification

ISO 16834:2006 Welding consumables—Wire electrodes, wires, rods and deposits for gas-shielded arc welding of high strength steel—Classification (overall evaluation: MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 G 0203 Glossary of terms used in iron and steel (Products and quality)

JIS G 0320 Standard test method for heat analysis of steel products

JIS G 3114 Hot-rolled atmospheric corrosion resisting steels for welded structure

JIS G 3140 Higher yield strength steel plates for bridges