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**Austenitic stainless steel covered
electrodes for cryogenic service**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment 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.

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Austenitic stainless steel covered electrodes for cryogenic service

Introduction

This Japanese Industrial Standard specifies the austenitic stainless steel covered electrodes applied to structures under the environment of cryogenic service such as LNG.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies austenitic stainless steel covered electrodes for cryogenic service (hereafter referred to as “electrodes”) having low-temperature toughness at $-196\text{ }^{\circ}\text{C}$.

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 0320 *Standard test method for heat analysis of steel products*

JIS G 1201 *Iron and steel — General rules for analytical methods*

JIS G 3101 *Rolled steels for general structure*

JIS G 3106 *Rolled steels for welded structure*

JIS G 4304 *Hot-rolled stainless steel plate, sheet and strip*

JIS G 4305 *Cold-rolled stainless steel plate, sheet and strip*

JIS Z 2611 *General rules for photoelectric emission spectrochemical analysis of metal materials*

JIS Z 2615 *General rules for determination of carbon in metallic materials*

JIS Z 3001-1 *Welding and allied processes — Vocabulary — Part 1 : General*

JIS Z 3001-2 *Welding and allied processes — Vocabulary — Part 2 : Welding processes*

JIS Z 3011 *Welding position defined by means of angles of slope and rotation*

JIS Z 3111 *Methods of tension and impact tests for deposited metal*

JIS Z 3181 *Method of fillet weld test for welding consumables*

JIS Z 3184 *Method of preparing deposited metal pad and samples for chemical analysis*