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Stainless steel 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 Stainless Steel Association (JSSA)/ 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 G 4309:1999 is replaced with this Standard.

However, **JIS G 4309**: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 February 19, 2014.

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Stainless steel wires

JIS G 4309:2013

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 16143-3** published in 2005 with some modifications of the technical contents.

The portions with continuous 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 JB.

1 Scope

This Standard specifies stainless steel wires that are produced using stainless steel wire rods and heat resisting steel wire rods containing 10.5 % or more of chromium. It does not apply to stainless steel wires for springs or stainless steel wires for cold heading and cold forging.

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

ISO 16143-3:2005 Stainless steels for general purposes—Part 3: Wire (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 G 0404 Steel and steel products—General technical delivery requirements

JIS G 4308 Stainless steel wire rods

JIS G 4311 Heat-resisting steel bars and wire rods

JIS Z 2241 Metallic materials—Tensile testing—Method of test at room temperature

3 Symbol of grade, temper, classification and applicable wire diameter

3.1 Symbol of grade, temper and classification

Wires shall be classified into 35 grades, and their symbol of grade, temper and classification shall be as given in table 1.

Temper means heat treatment and/or further wire drawing to be performed.