

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 4315 : 2013

(JSSA/JSA)

**Stainless steel wires for cold heading and
cold forging**

ICS 77.140.10;77.140.20;77.140.65

Reference number : JIS G 4315 : 2013 (E)

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G 4315 : 2013

Date of Establishment: 1972-05-01

Date of Revision: 2013-02-20

Date of Public Notice in Official Gazette: 2013-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Iron and Steel

JIS G 4315 : 2013, First English edition published in 2014-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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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 4315:2000** is replaced with this Standard.

However, **JIS G 4315:2000** 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 for cold heading and cold forging

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of ISO 4954 published in 1993 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 for cold heading and cold forging that are produced using stainless steel wire rods and heat resisting steel wire rods containing 10.5 % or more of chromium (hereafter referred to as “wires”).

NOTE 1 Stainless steel wires “for the cold heading and cold forging” are those which are used for manufacturing bolts, nuts, and screws such as machine screws and tapping screws, and various kinds of machine parts by cold heading and cold forging (including warm heading and warm forging).

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 4954 : 1993 *Steels for cold heading and cold extruding* (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 and classification and applicable wire diameter

3.1 Symbol of grade, temper and classification

Wires shall be classified into 14 grades, and their symbol of grade, temper and clas-