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④ JIS G 4315 : 2000

Stainless steel wires for cold heading and cold forging

ICS 77.140.20; 77.140.65

Descriptors : wires, materials by form, steels, stainless steels, corrosion-resistant
steels, cold-working, material-deforming processes

Reference number : JIS G 4315 : 2000 (E)

G 4315 : 2000

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS G 4315 : 1994** is replaced with **JIS G 4315 : 2000**.

Date of Establishment: 1972-05-01

Date of Revision: 2000-02-20

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Investigated by: Japanese Industrial Standards Committee
Divisional Council on Iron and Steel

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In the event of any doubts arising as to the contents,
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Stainless steel wires for cold heading and cold forging

Introduction This Japanese Industrial Standard has been revised five times since established in 1972 separating a portion of the provisions of soft wires in JIS G 4309 (stainless steel wires). On the occasion of this revision, the investigation had been made for the purpose of the conformity with the International Standards. The International Standard to be objected (ISO 4954) specifies the whole steel for cold heading and cold extruding and a lot of technical difficulties have been found in harmonizing the specification of stainless steel wires in Section 5 with the said International Standard. Consequently the corresponding International Standard is to be established individually. The point of this revision in JIS G 4315 is to modify the expression of test temperature and the degree of final drawing to be more definite.

1 Scope This Japanese International Standard specifies stainless steel wires and heat resisting steel containing approximately 10.5% or more chromium (hereafter referred to as "wires") used for manufacturing bolts, nuts and screws such as small screws, tapping screws, and various kinds of machine parts by cold heading and cold forging (including warm heading and warm forging).

Remarks : The International Standard corresponding to this Standard is given as follows.

ISO 4954 : 1993 *Steels for heading and cold extruding*

2. Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this standard. The most recent editions (including amendments) of the standards indicated below shall be applied.

JIS G 4308 *Stainless steel wire rods*

JIS G 4311 *Heat-resisting steel bars*

JIS Z 2201 *Test pieces for tensile test for metallic materials*

JIS Z 2241 *Method of tensile test for metallic materials*

3 Symbols of grades, temper and classification The grades of wires shall be fourteen grades, and the symbols of grades, temper and classification shall be as shown in Table 1. For the symbols of temper, - WSA expresses class A, - WSB expresses class B.