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Stainless steel for building structure

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Foreword

This Japanese Industrial Standard has been 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 Japanese Society of Steel Construction (JSSC)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 4321** : 2000), which has been technically revised.

However, **JIS G 4321** : 2000 may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 March 2023.

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Stainless steel for building structure

1 Scope

This Japanese Industrial Standard specifies the requirements for stainless steels used for building structures (hereafter referred to as steels).

- a) Hot-formed H sections
- b) Hot-formed equal-leg angles
- c) Hot-formed U sections
- d) Cold-formed equal-leg angles
- e) Hot-rolled steel bars and cold-finished steel bars (round bars, square bars, hexagonal bars and flat bars)
- f) Circular steel tubes and centrifugally cast steel tubes
- g) Square and rectangular tubes
- h) Hot-rolled steel sheets and strips
- i) Cold-rolled steel sheets and strips

2 Normative references

Part or all of the provisions of the following standards, 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 0201 *Glossary of terms used in iron and steel (Heat treatment)*
- JIS G 0202 *Glossary of terms used in iron and steel (Testing)*
- 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 0321 *Product analysis and its tolerance for wrought steel*
- JIS G 0404 *Steel and steel products — General technical delivery requirements*
- JIS G 0415 *Steel and steel products — Inspection documents*
- JIS G 0571 *Method of oxalic acid etching test for stainless steels*
- JIS G 0572 *Method of ferric sulfate-sulfuric acid test for stainless steel*
- JIS G 0573 *Method of 65 per cent nitric acid test for stainless steels*
- JIS G 0575 *Method of copper sulfate-sulfuric acid test for stainless steels*
- JIS G 3446 *Stainless steel tubes for machine and structural purposes*
- JIS G 3466 *Carbon steel square and rectangular tubes for general structure*