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Carbon steel tubes for building structure

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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 The Japan Iron and Steel Federation (JISF) 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 3475: 2011** is replaced with this Standard.

However, **JIS G 3475: 2011** 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, 2015.

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Carbon steel tubes for building structure

1 Scope

This Japanese Industrial Standard specifies the carbon steel tubes mainly used for the building structures (hereafter referred to as "tubes"). This Standard is applicable to tubes of 114.3 mm to 1 000.0 mm in outside diameter.

NOTE : The piles for the foundation of structures are covered by **JIS A 5525**.

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 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 0582 *Automated ultrasonic examination of steel pipes and tubes*

JIS G 0583 *Automated eddy current examination of steel pipes and tubes*

JIS G 0584 *Ultrasonic examination for arc welded steel pipes*

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

JIS G 1228 *Iron and steel — Methods for determination of nitrogen content*

JIS R 6252 *Abrasive papers*

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

JIS Z 2242 *Method for Charpy pendulum impact test of metallic materials*

JIS Z 3121 *Methods of tensile test for butt welded joints*

JIS Z 8401 *Guide to the rounding of numbers*

3 Grade and designation

Tubes shall be classified into three grades, and the designation of grade and the designation of manufacturing process shall be as given in table 1.