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**Carbon steel tubes for building structure**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by The Japan Iron and Steel Federation (JISF), an accredited standards development organization. This edition replaces the previous edition (**JIS G 3475** : 2021), which has been technically revised.

However, **JIS G 3475** : 2021 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 19 November 2025.

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# Carbon steel tubes for building structure

## 1 Scope

This Japanese Industrial Standard specifies requirements for the carbon steel tubes mainly used for building structures (hereafter referred to as tubes).

NOTE 1 The piles for the foundation of structures are covered by **JIS A 5525** [1].

NOTE 2 This Standard generally applies to tubes of outside diameter 114.3 mm to 1 000.0 mm (see **9.1**).

## 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 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 1201 *Iron and steel — General rules for analytical methods*
- JIS G 1228 (all parts) *Iron and steel — Determination of nitrogen*
- JIS G 1228-1 *Iron and steel — Determination of nitrogen — Part 1 : Amidosulfuric acid titrimetric method after ammonium distillation separation*
- JIS G 1228-2 *Iron and steel — Determination of nitrogen — Part 2 : Spectrophotometric methods after ammonium distillation separation*
- JIS R 6010 *Coated abrasive grain sizes*
- 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 *Rounding of numbers*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS G 0202** and **JIS G 0203** apply.