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Carbon steel tubes for general 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 3444** : 2021), which has been technically revised.

However, **JIS G 3444** : 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 20 April 2026.

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Carbon steel tubes for general structure

1 Scope

This Japanese Industrial Standard specifies requirements for the carbon steel tubes (hereafter referred to as tubes) used for civil engineering and architecture such as steel towers, scaffoldings, footing piles, foundation piles and piles for landslide suppression.

NOTE The dimensional range covered by this Standard is generally outside diameter 21.7 mm to 1 016.0 mm. In application for foundation piles and piles for landslide suppression, however, this Standard is mainly applicable to tubes of outside diameter under 318.5 mm, and **JIS A 5525** applies mainly to welded steel tubes of outside diameter 318.5 mm or over.

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 0416 *Steel and steel products — Location and preparation of samples and test pieces for mechanical testing*
- JIS G 3302 *Hot-dip zinc-coated steel sheet and strip*
- JIS G 3313 *Electrolytic zinc-coated steel sheet and strip*
- JIS G 3314 *Hot-dip aluminium-coated steel sheet and strip*
- JIS G 3317 *Hot-dip zinc-5 % aluminium alloy-coated steel sheet and strip*
- JIS G 3321 *Hot-dip 55 % aluminium-zinc alloy-coated steel sheet and strip*
- JIS G 3323 *Hot-dip zinc-aluminium-magnesium alloy-coated steel sheet and strip*
- JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*
- 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.