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**Seamless steel tubes for high pressure
gas cylinders**

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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 3429** : 2018), which has been technically revised.

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Seamless steel tubes for high pressure gas cylinders

1 Scope

This Japanese Industrial Standard specifies requirements for seamless steel tubes (hereafter referred to as tubes) to be used for the manufacture of the high pressure steel gas cylinder.

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 0582 *Automated ultrasonic examination of steel pipes and tubes*
- JIS G 0583 *Automated eddy current examination of steel pipes and tubes*

3 Terms and definitions

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

4 Symbol of grade

Tubes are classified into five grades. The classification and the symbol of grade shall be as given in Table 1.

5 Manufacturing method

The manufacturing method shall be as follows.

- a) Tubes shall be manufactured by combination of the tube manufacturing method and the finishing method which are indicated in Table 1. The symbol of manufacturing method shall be as specified in Table 1.
- b) Tubes shall normally be as manufactured without heat treatment.
- c) Tubes shall be finished with plain ends unless otherwise specified.