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High strength steel tubes for steel tower

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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 3474: 2011** is replaced with this Standard.

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High strength steel tubes for steel tower

1 Scope

This Japanese Industrial Standard specifies the high tensile strength steel tubes principally used for transmission steel towers (hereafter referred to as “tubes”). This Standard generally applies to tubes of outside diameter 139.8 mm to 1 117.6 mm.

In addition to the items specified in this text, the special quality requirements which the purchaser can previously designate upon the agreement with the manufacturer are specified in Annex A.

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 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, designation and applicable wall thickness

The classification of tubes shall be one grade, and the designation of grade, the designation of manufacturing process and the applicable wall thickness shall be as given in table 1.

Table 1 Designation of grade, designation of manufacturing process and applicable wall thickness

Designation of grade	Designation of manufacturing process	Applicable wall thickness
STKT590	Electric resistance welded steel tube : E-G Automatic arc welded steel tube : A	25 mm max.