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Steel pipe piles

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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 A 5525** : 2019), which has been technically revised.

However, **JIS A 5525** : 2019 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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Steel pipe piles

1 Scope

This Japanese Industrial Standard specifies requirements for welded steel pipe piles (hereafter referred to as piles) used for foundation of structures mainly in the fields of civil engineering and architecture. The piles for landslide prevention are within the scope of this Standard.

The quality requirements for ribbed blank pipes that can be applied upon prior agreement between the purchaser and the manufacturer are given in Annex A.

NOTE 1 Steel pipes for landslide prevention are also specified in **JIS G 3444**[1] and **JIS G 5201**[2].

NOTE 2 This Standard is normally applicable to piles with an outside diameter of 318.5 mm to 2 000 mm (see **11.2**).

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 0404 *Steel and steel products — General technical delivery requirements*
- JIS G 0415 *Steel and steel products — Inspection documents*
- JIS G 3193 *Dimensions, shape, mass and permissible variations of hot rolled steel plates, sheets and strips*
- JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*
- JIS Z 3060 *Method for ultrasonic testing for welds of ferritic steel*
- JIS Z 3104 *Methods of radiographic examination for welded joints in steel*
- JIS Z 3121 *Methods of tensile test for butt welded joints*
- JIS Z 3211 *Covered electrodes for mild steel, high tensile strength steel and low temperature service steel*
- JIS Z 3312 *Solid wires for MAG and MIG welding of mild steel, high strength steel and low temperature service steel*
- JIS Z 3313 *Flux cored wires for gas shielded and self-shielded metal arc welding of mild steel, high strength steel and low temperature service steel*