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Weldable hot rolled steel sheet 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 5523** : 2021), which has been technically revised.

However, **JIS A 5523**: 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 21 December 2026.

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Weldable hot rolled steel sheet piles

1 Scope

This Japanese Industrial Standard specifies the requirements ¹⁾ for hot rolled steel sheet piles (hereafter referred to as steel sheet piles) especially excellent in weldability, which are used for earth retaining, coffering, foundations of structures and other similar applications.

Note ¹⁾ This Standard specifies the requirements for carbon equivalent, free nitrogen and Charpy absorbed energy which are not given in **JIS A 5528**.

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 0201 *Glossary of terms used in iron and steel (Heat treatment)*
- 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 steel products*
- 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 1201 *Iron and steel — General rules for analytical methods*
- 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 G 1228-3 *Iron and steel — Determination of nitrogen — Part 3: Thermal conductimetric method after fusion in a current of inert gas*
- JIS G 3192 *Dimensions, shape, mass and permissible variations of hot rolled steel sections*
- 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*