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(JISF)

**Higher yield strength steel plates for
bridges**

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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 3140: 2008** is replaced with this Standard.

However, **JIS G 3140 : 2008** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until November 20th, 2012.

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Higher yield strength steel plates for bridges

Introduction

This Japanese Industrial Standard was established in 2008 for the purpose of accommodating the latest manufacturing technology and market needs concerning the steel plates for bridges. The revision of this time is to correspond to the demands for addition of new type steel products due to the expansion of scope afterwards.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the hot-rolled steel plates and the hot-rolled atmospheric corrosion resisting ¹⁾ steel plates (hereafter referred to as "steel plates") having high yield point or proof stress to be mainly used for bridges, that are imparted with characteristically excellent weldability.

Note ¹⁾ The term "atmospheric corrosion resistance" means the characteristics impervious to corrosion when exposed to the atmosphere in the natural environment.

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 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 3193 *Dimensions, 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 2242 *Method for Charpy pendulum impact test of metallic materials*

3 Classification and symbol, and applicable thickness

The steel plates shall be classified into 6 types, and the symbols and applicable thicknesses thereof shall be as given in table 1.