

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3140 : 2021

(JISF)

**Higher yield strength steel plates for
bridges**

ICS 77.140.50 ; 91.100.01

Reference number : JIS G 3140 : 2021 (E)

G 3140 : 2021

Date of Establishment: 2008-11-20

Date of Revision: 2021-09-21

Date of Public Notice in Official Gazette: 2021-09-21

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic Materials

JIS G 3140 : 2021, First English edition published in 2022-01

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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Foreword

This Japanese Industrial Standard has been 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 3140 : 2011**), which has been technically revised.

However, **JIS G 3140 : 2011** 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 20 September 2022.

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Higher yield strength steel plates for bridges

1 Scope

This Japanese Industrial Standard specifies requirements for the hot-rolled steel plates and hot-rolled atmospheric corrosion resisting¹⁾ 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.

Note¹⁾ The term “atmospheric corrosion resistance” means the protective characteristics impervious to corrosion when exposed to the atmosphere in the natural environment.

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

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in JIS G 0201, JIS G 0202 and JIS G 0203 apply.

4 Symbol of grade and applicable thickness

The steel plates are classified into six grades, and their symbols and applicable thicknesses shall be as given in Table 1.