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**High yield strength steel plates for welded
structure**

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In the event of any doubts arising as to the contents,
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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 G 3128** : 2021), which has been technically revised.

However, **JIS G 3128** : 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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High yield strength steel plates for welded structure

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 630-1** : 2021, Edition 2, and **ISO 630-4** : 2021, Edition 2, with some modifications of the technical contents.

Annex JA is unique to **JIS** and not given in the corresponding International Standards. The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies requirements for the hot-rolled steel plates with excellent weldability (hereafter referred to as steel plates) having a tensile strength of 780 N/mm² and a proof stress of 685 N/mm² used for bridges, pressure vessels, high pressure equipment and other structures.

NOTE The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 630-1 : 2021 *Structural steels — Part 1: General technical delivery conditions for hot-rolled products*

ISO 630-4 : 2021 *Structural steels — Part 4: Technical delivery conditions for high yield strength quenched and tempered structural steel plates and wide flats* (overall evaluation: MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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*