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High yield strength steel plates for welded structure

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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 3128** : 2009), which has been technically revised.

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Introduction

This Japanese Industrial Standard has been prepared based on **ISO 4950-1** : 1995, Edition 2, **ISO 4950-2** : 1995, Edition 2, and **ISO 4950-3** : 1995, Edition 2, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies requirements for the <u>hot-rolled steel plates</u> of 780 N/mm² in tensile strength and 685 N/mm² in proof stress with excellent weldability (<u>hereafter referred to as steel plates</u>) used for bridge, 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 4950-1 : 1995 High yield strength flat steel products — Part 1 : General requirements

ISO 4950-2: 1995 High yield strength flat steel products — Part 2: Products supplied in the normalized or controlled rolled condition

ISO 4950-3 : 1995 High yield strength flat steel products — Part 3 : Products supplied in the heat-treated (quenched + tempered) condition (overall evaluation : MOD)

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

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