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Rolled steels for general structure

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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 3101 : 2022**), which has been technically revised.

However, **JIS G 3101 : 2022** 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 19 February 2025.

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Rolled steels for general structure

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 630-1** : 2021, Edition 2, and **ISO 630-2** : 2021, Edition 3, with some modifications of the technical contents.

Annex JA to Annex JC are 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 JD.

1 Scope

This Standard specifies requirements for the hot rolled steels used for general structures such as bridges, ships and rolling stock (hereafter referred to as steel products) and hot extruded sections.

The quality requirements specific to hot extruded sections and deformed flats are given in Annex JB and Annex JC, respectively.

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 630-2 : 2021 *Structural steels — Part 2 : Technical delivery conditions for structural steels for general purposes* (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

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 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*