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Rolled steels for welded structure

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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Symbols of grade and applicable thicknesses	2
5 Chemical composition	3
6 Heat treatment and symbols of heat treatment	4
6.1 Heat treatment	4
6.2 Symbols of heat treatment	4
7 Weldability	4
7.1 General weldability requirements	4
7.2 Carbon equivalent	4
7.3 Weld-crack sensitivity composition	5
8 Mechanical properties	6
8.1 Yield point or proof stress, tensile strength and elongation	6
8.2 Charpy absorbed energy	8
9 Shape, dimensions, mass and tolerances	8
10 Appearance	8
11 Tests	8
11.1 Chemical analysis	8
11.2 Mechanical tests	9
12 Inspection	10
13 Reinspection	11
14 Marking	11
15 Information to be supplied by the purchaser	11
16 Report	12
17 Quality requirements for hot extruded sections	12
18 Quality requirements for deformed flats	12
Annex JA (normative) Chemical composition and tensile test properties of steel plates/sheets agreed between the purchaser and the manufacturer	13

Annex JB (normative)	Tensile test properties of sections with a leg length under 40 mm and flats with a width under 40 mm	15
Annex JC (normative)	Quality requirements for hot extruded sections	17
Annex JD (normative)	Quality requirements for deformed flats	21
Annex JE (informative)	Comparison table between JIS and corresponding International Standards	26

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 3106 : 2022**), which has been technically revised.

However, **JIS G 3106 : 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 welded structure

Introduction

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

Annex JA to Annex JD 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 JE.

1 Scope

This Standard specifies requirements for highly weldable hot rolled steels used for welded structures such as bridges, ships, rolling stock, petroleum storage tanks and containers (hereafter referred to as steel products) and highly weldable hot extruded sections.

The quality requirements specific to hot extruded sections and deformed flats are given in Annex JC and Annex JD, 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*

ISO 630-3 : 2021 *Structural steels — Part 3 : Technical delivery conditions for fine-grain structural steels* (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)*