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High carbon steel wire rods

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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 3506** : 2017), which has been technically revised.

However, **JIS G 3506** : 2017 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 April 2025.

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High carbon steel wire rods

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 16120-1** : 2017, Edition 3 and **ISO 16120-2** : 2017, Edition 3, 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 the requirements for hard drawn steel wire rods to be used for the manufacture of the hard drawn steel wires, oil hardened and tempered wires, hard drawn steel wires for prestressed concrete, galvanized steel wire strands, wire ropes, etc. (hereafter referred to as the wire rods). This Standard does not cover piano wire rods and wire rods for bridge cable.

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

ISO 16120-1 : 2017 *Non-alloy steel wire rod for conversion to wire—Part 1 : General requirements*

ISO 16120-2 : 2017 *Non-alloy steel wire rod for conversion to wire—Part 2 : Specific requirements for general purpose wire rod* (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*