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Wire rods for bridge cable

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In the event of any doubts arising as to the contents,
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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Symbol of grade	2
5 Manufacturing method	2
6 Chemical composition	2
7 Physical properties	3
7.1 Depth of decarburization	3
7.2 Austenitic grain size and non-metallic inclusions	3
8 Dimensions	4
9 Depth of surface discontinuities	4
10 Mechanical properties	4
11 Appearance	4
12 Tests	4
12.1 Chemical analysis	4
12.2 Mechanical test	4
12.3 Measurement of depth of decarburization	5
12.4 Austenitic grain size test	5
12.5 Non-metallic inclusion test	5
12.6 Surface discontinuity detection test	5
13 Inspection	6
14 Marking	6
15 Information to be supplied by the purchaser	6
16 Report	6
Annex JA (normative) Supplementary quality requirements (in-line pa- tent products)	8
Annex JB (informative) Comparison table between JIS and corresponding International Standards	10

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 3504** : 2020), which has been technically revised.

However, **JIS G 3504** : 2020 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 November 2025.

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Wire rods for bridge cable

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 6819** : 2023, Edition 1, **ISO 16120-1** : 2017, Edition 3, and **ISO 16120-4** : 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 requirements for wire rods for bridge cable used for the manufacture of wire for bridge cables that require torsion characteristics (hereafter referred to as wire rods).

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

ISO 6819 : 2023 *Steel wire rod for bridge cable wire*

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

ISO 16120-4 : 2017 *Non-alloy steel wire rod for conversion to wire — Part 4: Specific requirements for wire rod for special applications* (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*