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(JAA/JSA)

Aluminium and aluminium alloy bars and wires

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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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 Japan Aluminium Association (JAA)/Japanese Standards Association (JSA) 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 H 4040** : 2015), which has been technically revised.

However, **JIS H 4040** : 2015 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 December 2024.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

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Aluminium and aluminium alloy bars and wires

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 209** : 2007, Edition 1, **ISO 6362-1** : 2022, Edition 3, **ISO 6362-2** : 2022, Edition 5, **ISO 6362-3** : 2022, Edition 4, **ISO 6362-5** : 2022, Edition 4, **ISO 6362-7** : 2022, Edition 3, **ISO 6363-1** : 2022, Edition 3, **ISO 6363-2** : 2022, Edition 3, **ISO 6363-3** : 2022, Edition 2, **ISO 6363-4** : 2022, Edition 3 and **ISO 6363-5** : 2022, Edition 3 with some modifications of the technical contents to reflect actual situations in the Japanese market.

Annex JA is unique to **JIS** and not given in the corresponding International Standard. 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 extruded aluminium and aluminium alloy rods/bars (hereafter referred to as extruded bars), cold-drawn aluminium and aluminium alloy rods/bars (hereafter referred to as cold-drawn bars) and cold-drawn aluminium and aluminium alloy wires (hereafter referred to as cold-drawn wires). This Standard is applicable to bars and wires having a round, square, rectangular (with the short side length exceeding one-tenth of the long side length) or hexagonal cross-section, but does not apply to bars and wires having a square, rectangular or hexagonal cross-section whose corner radii are specified.

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

ISO 209 : 2007 *Aluminium and aluminium alloys—Chemical composition*

ISO 6362-1 : 2022 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 1 : Technical conditions for inspection and delivery*

ISO 6362-2 : 2022 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 2 : Mechanical properties*

ISO 6362-3 : 2022 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 3 : Tolerances on form and dimensions for extruded rectangular bars*

ISO 6362-5 : 2022 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 5 : Tolerances on form and dimensions for round, square and hexagonal bars*

ISO 6362-7 : 2022 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 7 : Chemical composition*