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Aluminium and aluminium alloy bars and wires

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

This translation has been made based on the original Japanese Industrial Standard 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 the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS H 4040**:2006 is replaced with this Standard.

However, **JIS H 4040**:2006 may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until November 19, 2016.

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

Aluminium and aluminium alloy bars and wires

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 209** published in 2007, the second edition of **ISO 6362-1** published in 2012, the fourth edition of **ISO 6362-2** published in 2014, the third editions of **ISO 6362-3** and **ISO 6362-5** published in 2012, the second edition of **ISO 6362-7** published in 2014, the second editions of **ISO 6363-1** and **ISO 6363-2** published in 2012, the first edition of **ISO 6363-3** published in 2012, and the second editions of **ISO 6363-4** and **ISO 6363-5** with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies 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 applies to bars and wires having a circular, square, rectangular (with the short side length exceeding one-tenth of the long side length) or hexagonal cross-section, but does not apply to shapes 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 : 2012 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 1 : Technical conditions for inspection and delivery*

ISO 6362-2 : 2014 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 2 : Mechanical properties*

ISO 6362-3 : 2012 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 3 : Extruded rectangular bars — Tolerances on shape and dimensions*

ISO 6362-5 : 2012 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 5 : Round, square and hexagonal bars — Tolerances on shape and dimensions*

ISO 6362-7 : 2014 *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 7 : Chemical composition*