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Magnesium 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 The Japan Magnesium Association (JMA)/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 4203** : 2018), which has been technically revised.

It should be noted that being in conformance with this Standard may come under the use of the patent rights and other rights held by the following:

Patent No.	Title of patent	Patent holder	Expiration date
6425919	Magnesium alloy wire and method of manufacturing the same	Toho Kinzoku Co., Ltd. Kumamoto University NUC	3 June 2034

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Magnesium alloy bars and wires

Introduction

This Japanese Industrial Standard has been prepared based on ISO 3116 : 2019, Edition 5, with some modifications of the technical contents.

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 JA.

1 Scope

This Standard specifies the requirements for magnesium alloy bars (hereafter referred to as bars) and magnesium alloy wires (hereafter referred to as wires) which are manufactured by extrusion and drawing processes.

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

ISO 3116 : 2019 *Magnesium and magnesium alloys — Wrought magnesium and magnesium alloys* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard 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 H 0001 *Aluminium, magnesium and their alloys — Temper designation*

JIS H 0321 *General rules for inspection of non-ferrous metal materials*

JIS H 1331 *Magnesium and magnesium alloys — General rules for sampling and analytical methods*

JIS H 1332 *Methods for determination of aluminium in magnesium and magnesium alloys*

JIS H 1333 *Methods for determination of zinc in magnesium and magnesium alloys*

JIS H 1334 *Methods for determination of manganese in magnesium and magnesium alloys*

JIS H 1335 *Methods for determination of silicon in magnesium and magnesium*