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Magnesium alloy die castings

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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 5303: 2006**), which has been technically revised.

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Patent number	Title of patent	Patent holder	Expiration date
No. 5709063	Heat-resistant magnesium alloy	Kurimoto, Ltd.	June 19, 2032
No. 6329714	Magnesium alloy	Sumitomo Electric Industries, Ltd., National University Corporation University of Toyama	July 13, 2037
WO2020/054880	Flame retardant magnesium alloy with high toughness	The Japan Magnesium Association, Incorporated company global magnesium corporation, Tobata seisakusho, co., Ltd., Kurimoto, Ltd.	

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Magnesium alloy die castings

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 16220** : 2017, Edition 3, with some modifications of the technical contents.

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 die castings (hereafter, referred to as die castings).

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

ISO 16220 : 2017 *Magnesium and magnesium alloys — Magnesium alloy ingots and castings* (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 B 0403 | <i>Castings — System of dimensional tolerances and machining allowances</i> |
| JIS H 0321 | <i>General rules for inspection of non-ferrous metal materials</i> |
| JIS H 1331 | <i>Magnesium and magnesium alloys — General rules for sampling and analytical methods</i> |
| JIS H 1332 | <i>Methods for determination of aluminium in magnesium and magnesium alloys</i> |
| JIS H 1333 | <i>Methods for determination of zinc in magnesium and magnesium alloys</i> |
| JIS H 1334 | <i>Methods for determination of manganese in magnesium and magnesium alloys</i> |
| JIS H 1335 | <i>Methods for determination of silicon in magnesium and magnesium alloys</i> |