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(JMA/JSA)

**Magnesium alloy sheets, plates, strips
and coiled sheets**

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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 the Japan Magnesium Association (JMA) /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 4201** : 2005 is replaced with this Standard.

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Magnesium alloy sheets, plates, strips and coiled sheets

Introduction

This Japanese Industrial Standard has been prepared based on the fourth edition of **ISO 3116** published in 2007 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 JA.

1 Scope

This Standard specifies the rolled magnesium alloy sheets, plates, strips and coiled sheets (hereafter referred to as "plates/strips").

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

ISO 3116 : 2007 *Magnesium and magnesium alloys — Wrought 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

The following standards contain provisions which, 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 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 alloys

JIS H 1336 Methods for determination of copper in magnesium and magnesium alloys

JIS H 1337 *Method for determination of nickel in magnesium and magnesium alloys*

JIS H 1338 *Methods for determination of iron in magnesium and magnesium alloys*

JIS H 1341 *Method for determination of calcium in magnesium alloys*

JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*

NOTE : Corresponding International Standard : ISO 6892-1 *Metallic materials — Tensile testing — Part 1 : Method of test at room temperature* (MOD)

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 plate

rolled material with rectangular cross-section manufactured using the roller and cut to the specified length

3.2 strip

rolled material with rectangular cross-section supplied in coils usually with slit edges

4 Classification and symbol

The classification and symbol shall be as given in table 1.

Table 1 Classification and symbol

Classification	Symbol	Corresponding symbol of ISO	Application (informative)
Class 1 B	MP1B	ISO-MgAl3Zn1(A)	For construction, electrode plate, etc.
Class 1 C	MP1C	ISO-MgAl3Zn1(B)	For etched plate, printing plate, etc.
Class 2	MP2	ISO-MgAl6Zn1	For construction, etc.
Class 7	MP7	—	For construction, etched plate, printing plate, etc.
Class 9	MP9	ISO-MgZn2Mn1	For construction, etc.
The temper designation of table 3 shall be attached to the symbol above with a hyphen "-". Example : MP1B-O			

5 Quality

5.1 Appearance

The plates/strips shall be free from flaws, cracks and other defects detrimental to use.

The acceptance criteria of appearance shall be upon the agreement between the purchaser and the manufacturer.