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Aluminium, magnesium and their alloys — Temper designation

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Reference number : **JIS H 0001 : 1998 (E)**

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS H 0001** : 1988 is replaced with **JIS H 0001** : 1998.
This revision is made for conformity with **ISO 2107** : 1983 *Aluminium, magnesium and their alloys — Temper designation.*

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

Aluminium, magnesium and their alloys — Temper designation

Introduction This Japanese Industrial Standard has been prepared based on the first edition of International Standard **ISO 2107**, *Aluminium, magnesium and their alloys — Temper designations* published in 1983, and developed the scope from aluminium and aluminium alloys to aluminium, magnesium and their alloys and conformed the points of differences on the definition of HX8 to the corresponding International Standard. In order to use this Standard easily, for the definite explanation of subdesignation, which was not specified in the original International Standard, the descriptions specified in **JIS H 0001**-1988 have remained without modification. And the matters specified in the following have been introduced: each Annex of **ISO 6361-2**, *Wrought aluminium and aluminium alloy sheets, strips and plates — Part 2: Mechanical properties,* **ISO 6362-2**, *Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles — Part 2: Mechanical properties,* and **ISO 6363-2**, *Wrought aluminium and aluminium alloy cold-drawn rods/bars and tubes — Part 2: Mechanical properties;* and American National Standard **(ANSI) H35.1**-1993, *Alloy and Temper Designation Systems for Aluminum* and European Standard **EN 515** : 1993, *Aluminium and aluminium alloys — Wrought products — Temper designation,* which are most utilized as the standard in the world.

1 Scope This Japanese Industrial Standard specifies the temper designation (1) (hereafter referred to as "designation") of the extension materials and castings of aluminium, magnesium and their alloys.

Note (1) The term "temper" means the division of mechanical properties individually formed by various processing and heat treatment conditions in the manufacturing process.

Remarks: The corresponding International Standard to this Standard is as follows.

ISO 2107 *Aluminium, magnesium and their alloys — Temper designations*

2 Form of designation Temper designations shall follow a hyphen (-) after Alloy designation. The basic temper designation consists of one capital letter of Latin alphabet and the subdesignation of the basic tempers is indicated by one or more digits following the letter of the basic temper.

3 Basic temper designation The fundamental tempers are classified into five divisions and the basic temper designations are as specified in Table 1.