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NATIONAL STANDARD OF THE
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GB/T 13818-2009

GB/T 13818-1992

Die Casting Zinc Alloys

压铸锌合金

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Foreword

This Standard modifies and adopts ASTM B 86-06 *Standard Specification for Zinc and Zinc-Aluminum Alloys for Casting and Die Casting*.

Compared with ASTM B 86-06, this Standard has the following major technical differences:

- Make larger editorial changes in the structure;
- Don't use the ordering information and reference documents in the ASTM B 86-06;
- Add the grade and code expression methods for die casting zinc;
- Add Appendix A Zinc Alloy Grade Comparison Form.

This Standard replaces GB/T 13818-1992 *Die Casting Zinc Alloys*.

Compared with GB/T 13818-1992, this Standard mainly has the following technical changes:

- Delete the requirements for mechanical property;
- Modify the expression method of grade;
- Add three kinds of high-aluminum zinc alloys.
- Appendix A of this Standard is informative one.

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of the National Technical Committee of Standardization of Casting (SAT/TC 54).

Drafting organizations of this Standard: FAW Foundry Co., Ltd., Dongguan Shijie Huafeng Hardware Factory, Zhanjiang Deli Carburetor Co., Ltd., Ningbo Wan'an Group Co., Ltd., and MG Technology (Shenzhen) Co., Ltd..

Chief drafting staffs of this Standard: Ma Shunlong, Liu Haifeng, Liang Huancao, Zhao Binghua, He Jingyuan, and Li Yuanfa.

The historical edition replaced by this Standard is as follows:

- GB/T 13818-1992.

Die Casting Zinc Alloys

1 Scope

This Standard specifies the grade and code expression method, technical requirements, inspection methods and inspection rules, package, transportation, storage and other requirements of die casting zinc alloys.

This Standard is applicable to the die casting zinc alloys.

2 Normative References

The following documents contain the provisions which, through reference in this Standard, become the provisions of this Standard. For dated references, their subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard. However, the parties who enter into agreement based on this Standard are encouraged to investigate whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply to this Standard.

GB/T 12689.1 Methods for Chemical Analysis of Zinc and Zinc Alloys - Part 1: Determination of Aluminum Content - Chromazurol S-Polyethylene Glycol Octyl Phenylether-Cetylpyridine Bromine Spectrophotometry, Chromeazurol S Spectrophotometric Method and EDTA Titrimetry

GB/T 12689.3 The Methods for Chemical Analysis of Zinc and Zinc Alloys - The Determination of Cadmium Content - The Flame Atomic Absorption Spectrometric Method

GB/T 12689.4 The Methods for Chemical Analysis of Zinc and Zinc Alloys - The Determination of Copper Content - The Lead Diethyldithio-Carbamate Spectrophotometric Method and The Flame Atomic Absorption Method

GB/T 12689.5 The Methods for Chemical Analysis of Zinc and Zinc Alloys - The Determination of Iron Content - The Sultosalicylic Acid Spectrometric Method and the Flame Atomic Absorption Spectrometric

GB/T 12689.6 The Methods for Chemical Analysis of Zinc and Alloys - The Determination of Lead Content - The Oscillopolarographic Method

GB/T 12689.7 The Methods for Chemical Analysis of Zinc and Zinc Alloys - The

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