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Zinc and zinc alloys — Castings — Specifications

Zinc et alliages de zinc — Pièces moulées — Spécifications



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15201 was prepared by Technical Committee ISO/TC 18, *Zinc and zinc alloys*, Subcommittee SC 2, *Zinc alloys for casting*.

Zinc and zinc alloys — Castings — Specifications

1 Scope

This International Standard specifies the designation, chemical composition, marking and other requirements for zinc alloy castings, produced by pressure die, permanent mould or sand casting, or another casting process.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 301, *Zinc alloy ingots intended for casting*

ISO 7000:2004, *Graphical symbols for use on equipment — Index and synopsis*

EN 10204, *Metallic products — Types of inspection documents*

3 Terms and definitions

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

3.1

pressure die casting

metal object produced by injecting molten metal under high pressure and high velocity into a metal die

3.2

permanent mould casting

metal object produced by introducing molten metal by gravity or low pressure into a mould or die constructed of durable material, usually iron or steel, and allowing it to solidify

NOTE When a graphite mould is used, the process is known as "graphite permanent mould casting".

3.3

sand casting

metal object produced by introducing molten metal by gravity into a sand mould and allowing it to solidify

4 Casting designation

4.1 General

Zinc alloy castings conforming to this International Standard shall be designated by a number or short designation in accordance with the system given in ISO 301, but having a letter P in the second character position. P indicates that the product is a casting.