INTERNATIONAL STANDARD



First edition 2006-09-15

Zinc and zinc alloys — Castings — Specifications

Zinc et alliages de zinc — Pièces moulées — Spécifications



Reference number ISO 15201:2006(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below

The service of the se

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org Published in Switzerland

Contents

Page

Forewo	ordiv	1
1	Scope 1	
2	Normative references 1	I
3	Terms and definitions 1	J
4	Casting designation1	I
5	Manufacture.	2
6	Ordering information	2
7	Requirements	2
8	Sampling	3
9	Chemical analysis methods	3
10	Marking and labelling	
11	Inspection document	ŀ
Annex	A (normative) Recycling mark	5
Annex	B (informative) Relationship between the alloy designations used in this International Standard and the corresponding designations used in a number of countries	,
Annex	C (informative) Properties of zinc-alloy discastings at 20 °C	3
Bibliog	jraphy)
	Cemerated by The	

Foreword

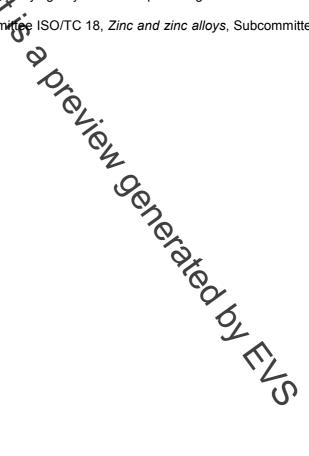
ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in Maison 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 reference

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 basting

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 an **O** efinitions 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.