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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1559-6:1999

ICS 77.150.60

FOUNDING - TECHNICAL CONDITIONS OF DELIVERY - PART 6: ADDITIONAL REQUIREMENTS FOR ZINC ALLOY CASTINGS

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English version

Founding - Technical conditions of delivery - Part 6: Additional requirements for zinc alloy castings

Fonderie - Conditions techniques de fourniture - Partie 6: Spécifications complémentaires pour les pièces moulées en alliage de zinc

Gießereiwesen - Technische Lieferbedingungen - Teil 6: Zusätzliche Anforderungen an Gußstücke aus Zinklegierungen

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 209 "Zinc and zinc alloys", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 1999, and conflicting national standards shall be withdrawn at the latest by May 1999.

This European Standard is one of several which specify technical delivery conditions for castings. The other standards in this series are:

EN 1559-1
Founding – Technical conditions of delivery – Part 1: General

prEN 1559-2
Founding – Technical conditions of delivery – Part 2: Additional requirements for steel castings

EN 1559-3
Founding – Technical conditions of delivery – Part 3: Additional requirements for iron castings

prEN 1559-4
Founding – Technical conditions of delivery – Part 4: Additional requirements for aluminium alloy castings

EN 1559-5
Founding – Technical conditions of delivery – Part 5: Additional requirements for magnesium alloy castings

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

CEN/TC 209 "Zinc and zinc alloys" has prepared a product standard covering zinc alloy castings. In order to assist manufacturers and purchasers to prepare proper contractual arrangements and prevent misunderstanding, CEN/TC 190 "Foundry technology" approved the preparation of a series of standards covering technical delivery conditions. These have been prepared as separate parts.

This European Standard covers the additional technical delivery conditions for zinc alloy castings, e.g. optional information, manufacturing process, welding operation, additional requirements regarding condition of the casting, test methods.

This European Standard cannot be used alone for compiling a specification for ordering and supplying zinc alloy castings, but as a complement to EN 1559-1.

The following symbols are used in this standard:

– clauses and subclauses preceded by ■ indicates no additional requirements to EN 1559-1;

– subclauses preceded by •• indicates requirements that are optional, which can be agreed at the time of ordering;

– clauses and subclauses without a symbol are mandatory.

1 Scope

This part of EN 1559 applies to castings made from zinc alloys produced by sand casting, permanent mould casting, pressure die casting, centrifugal casting, continuous casting or investment casting.

This standard specifies the additional technical delivery conditions for zinc alloy castings.

This standard does not apply to ingots, bars, billets (or other shapes) for further reprocessing, such as remelting, grinding or extrusion.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 1371-1
Founding – Liquid penetrant inspection – Part 1: Sand, gravity die and low pressure die castings

EN 1371-2
Founding – Liquid penetrant inspection – Part 2: Investment castings

EN 1559-1
Founding – Technical conditions of delivery – Part 1: General

EN 1774
Zinc and zinc alloys – Alloys for foundry purposes – Ingots and liquid

prEN 12681
Founding – Radiographic inspection

EN 12844
Zinc and zinc alloys – Castings – Specifications

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