

Zinc and zinc alloys - Castings - Specifications

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12844:2001 sisaldab Euroopa standardi EN 12844:1998 ingliskeelset teksti.	This Estonian standard EVS-EN 12844:2001 consists of the English text of the European standard EN 12844:1998.
Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies the designation, chemical composition, marking and other requirements for zinc alloy castings.	Scope: This European Standard specifies the designation, chemical composition, marking and other requirements for zinc alloy castings.
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ICS 77.150.60

Võtmesõnad: castings, chemical analysis, chemical composition, definitions, designation, founding, labelling, marking, mechanical properties, sampling, specifications, zinc, zinc alloys

ICS 77.150.60

Descriptors: Zinc, castings, requirements, testing.

English version

Zinc and zinc alloys – Castings
Specifications

Zinc et alliages de zinc – Pièces
moulées – Spécifications

Zink und Zinklegierungen – Guß-
stücke – Spezifikationen

This European Standard was approved by CEN on 1998-10-22.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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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 a series concerning zinc and zinc alloys for foundry purposes.

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.

1 Scope

This European Standard specifies the designation, chemical composition, marking and other requirements for zinc alloy castings.

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 1559-1, *Founding - Technical conditions of delivery - Part 1 : General.*

EN 1559-6, *Founding - Technical conditions of delivery - Part 6 : Additional requirements for zinc alloy castings.*

EN 1774, *Zinc and zinc alloys - Alloys for foundry purposes - Ingot and liquid.*

EN 10204, *Metallic products - Types of inspection documents.*

EN 12019, *Zinc and zinc alloys - Optical emission spectrometric analysis.*

ISO 7000, *Graphical symbols for use on equipment – Index and synopsis.*

3 Definitions

For the purposes of this standard, the following definitions apply :

3.1

pressure die casting

Metal object produced by injecting molten metal under high pressure 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 standard shall be designated by number or short designation in accordance with the system given in EN 1774, but having a letter P in the second character position. P indicates that the product is a casting.