

**Magneesium ja magneesiumisulamid.
Magneesiumisulamist valukangid ja
valandid**

Magnesium and magnesium alloys - Magnesium
alloy ingots and castings

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1753:2000 sisaldab Euroopa standardi EN 1753:1997+AC:1997 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1753:2000 consists of the English text of the European standard EN 1753:1997+AC:1997.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>See Euroopa standard määrab kindlaks magneesiumisulamist valukangide keemilise koostise. Standard määrab kindlaks ka magneesiumisulamist valandite keemilise koostise. Määratakse kindlaks ka nendest sulamitest eraldi valatud proovide mehaanilised omadused. Kokkuleppe korral määrab standard kindlaks ka magneesiumisulamitest valandite mehaanilised omadused, mis on määratud valandist lõigatud proovide põhjal.</p>	<p>Scope:</p>
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Võtmesõnad: keemiline koostis, magneesium, magneesiumisulamid, mehaanilised omadused, proovikeha, teimid, tähistus, tähistuse vastavus, valandid, valukangid

ICS 77.150.20

Descriptors: Magnesium, ingots, castings.

English version

Magnesium and magnesium alloys

Magnesium alloy ingots and castings

Magnésium et alliages de magnésium –
Lingots et pièces moulées en alliages de
magnésium

Magnesium und Magnesiumlegierungen –
Blockmetalle und Gußstücke aus
Magnesiumlegierungen

This European Standard was approved by CEN on 1997-05-01.

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 190 "Foundry technology", the secretariat of which is held by DIN.

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 December 1997, and conflicting national standards shall be withdrawn at the latest by December 1997.

Within its programme of work, Technical Committee CEN/TC 190 requested CEN/TC 190/WG 3.10 "Cast magnesium" to prepare the following standard:

EN 1753

Magnesium and magnesium alloys – Magnesium alloy ingots and 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.

Introduction

This European Standard classifies the commercially available magnesium alloys into a number of grades suitable for the applications to which they might be put.

Some of the alloys referenced in this standard can be the subject of a patent or of patent applications and their listing herein is not to be construed in any way as the granting of a licence under such patent rights.

1 Scope

This European Standard specifies the chemical composition of magnesium alloy ingots. It also specifies the chemical composition of magnesium alloy castings. It also specifies the mechanical properties of separately cast samples of these alloys (see clause 6). By agreement, it also specifies the mechanical properties of magnesium alloy castings determined from samples cut from a casting.

2 Normative references

This 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 standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1559-5

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

EN 10002-1

Metallic materials – Tensile testing – Part 1: Method of test (at ambient temperature)

EN 10003-1

Metallic materials – Brinell hardness test – Part 1: Test method

ISO 31-0:1992

Quantities and units – Part 0: General principles

NOTE: Informative references to documents used in the preparation of this standard, and cited at the appropriate places in the text, are listed in a bibliography, see annex A.

3 Designation

3.1 Material

The material shall be designated either by symbol or by number as given in tables 1 to 5.

NOTE 1: The material number designation and the material symbol designation are in accordance with EN 1754.

NOTE 2: A list of international, national and former national European designations corresponding to the European designations is given in annex B.

NOTE 3: The materials for aerospace applications referred to in European Standards prepared by AECMA (Association Européenne des Constructeurs de Matériel Aérospatial) have different designations.