

Metallivalu. Malmi märgistussüsteem. Materjalitähised ja materjalinumbrid

Founding - Designation system for cast iron - Material symbols and material numbers

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1560:2011 sisaldab Euroopa standardi EN 1560:2011 ingliskeelset teksti.

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English Version

Founding - Designation system for cast iron - Material symbols
and material numbers

Fonderie - Système de désignation pour la fonte -
Désignation symbolique et numérique

Gießereiwesen - Bezeichnungssystem für Gusseisen -
Werkstoffkurzzeichen und Werkstoffnummern

This European Standard was approved by CEN on 15 January 2011.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Terms and definitions	5
3 Designation of cast iron materials by symbols	5
3.1 General	5
3.2 Material symbol structure	5
4 Designation of cast iron materials by numbers	9
4.1 General	9
4.2 Material number structure	9
Annex A (normative) Overall structure for designation of cast iron materials by symbols	12
Annex B (normative) Overall structure for designation of cast iron materials by numbers	15
Annex C (informative) Significant technical changes between this European Standard and the previous edition	16
Bibliography	17

Foreword

This document (EN 1560:2011) 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of an identical text or by endorsement, at the latest by August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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

This document supersedes EN 1560:1997.

Annex C provides details of significant technical changes between this European Standard and the previous edition.

Within its programme of work, Technical Committee CEN/TC 190 requested CEN/TC 190/WG 1 "Technical conditions of delivery and cast iron designation" to revise EN 1560:1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Cast iron materials can be designated either by symbols or by numbers for all grades. The material number is based on principles and the structure set out in EN 10027-2.

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1 Scope

This European Standard establishes a material designation system either by symbols or by numbers for cast iron.

The designation system by symbols is applicable to:

- a) standardized cast iron materials (see 2.1);
- b) non-standardized cast iron materials (see 2.2).

The designation system by numbers is only applicable to standardized cast iron materials (see 2.1).

NOTE The use of a designation system by symbols does not necessarily imply that the material is standardized.

2 Terms and definitions

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

2.1

standardized cast iron material

cast iron material which has been specified in a European Standard

2.2

non-standardized cast iron material

cast iron material which has not been specified in a European Standard, but is manufactured and/or used in CEN member countries

3 Designation of cast iron materials by symbols

3.1 General

There shall be only one designation by symbols for each cast iron material.

3.2 Material symbol structure

3.2.1 Overall structure

The designation by symbols shall occupy a maximum of six positions. There shall be no spaces between any of the used positions.

- Position 1: EN- (see 3.2.2);
- Position 2: Symbol for cast iron (see 3.2.3);
- Position 3: Symbol for graphite structure (see 3.2.4);
- Position 4: Symbol for microstructure or macrostructure (see 3.2.5);
- Position 5: Symbol for classification either by mechanical properties or by chemical composition (see 3.2.6);
- Position 6: Symbol for additional requirements (see 3.2.7).