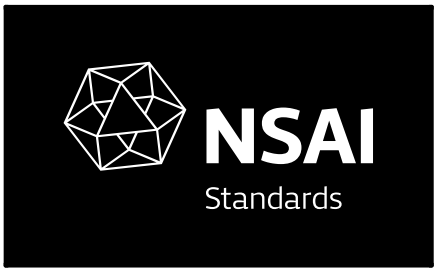

Irish Standard
I.S. EN 1412:2016

Copper and copper alloys - European numbering system

I.S. EN 1412:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 1412:2016 is the adopted Irish version of the European Document EN 1412:2016, Copper and copper alloys - European numbering system

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1412

November 2016

ICS 77.120.30

Supersedes EN 1412:1995

English Version

Copper and copper alloys - European numbering system

Cuivre et alliages de cuivre - Système européen de désignation numérique

Kupfer und Kupferlegierungen - Europäisches Werkstoffnummernsystem

This European Standard was approved by CEN on 30 September 2016.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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Ref. No. EN 1412:2016 E

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European foreword

This document (EN 1412:2016) has been prepared by Technical Committee CEN/TC 133 “Copper and copper alloys”, 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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

This document supersedes EN 1412:1995.

In comparison with EN 1412:1995, the following significant changes were made:

a) allocation of ranges for the numeric part of a material number to material groups;

b) addition of provisions how to assign the numeric part of a material number to individual materials;

c) removal of the provisions for not standardized materials.

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

Introduction

The numbering system described in this European Standard is an alternative to the material symbol designation system given in ISO 1190-1.

1 Scope

This European Standard establishes a numbering system for designation copper or copper alloys manufactured and/or used in Europe and the responsibility for the allocation and administration of numbers for individual copper materials.

The system is applicable to copper materials standardized in European Standards.

2 Terms and definitions

For the purposes of this document, the following term and definition applies.

2.1
copper material
general term for copper and copper alloys

3 Details of the system

3.1 General

The number shall be composed of alphabetic (upper case Latin letters) and numeric (Arabic) characters.

The system shall provide only one number for each material. A number assigned to an individual material shall not be assigned to another material even if the first mentioned material has been withdrawn.

3.2 Structure of numbers

3.2.1 Complete number

The number shall consist of six characters.

3.2.2 Position of characters

3.2.2.1 General

The positions of characters are as follows:

3.2.2.2 Position 1

The character for the first position shall be the letter "**C**" to designate copper material.

3.2.2.3 Position 2

The character for the second position shall be one of the following letters, whose significance is given as follows:

B materials in ingots form for remelting to produce cast products;
C materials in the form of cast products;
F filler materials for brazing and welding;
M master alloys;
R refined unwrought copper;
S materials in the form of scrap;