

Aerospace series - Metallic materials - Part 1: Conventional designation

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Conventional designation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 2032-1:2002 sisaldab Euroopa standardi EN 2032-1:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.06.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 2032-1:2002 consists of the English text of the European standard EN 2032-1:2001.</p> <p>This document is endorsed on 19.06.2002 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>This standard specifies the rules for establishing the conventional designation of unalloyed, commercially pure and alloyed metallic materials used for aerospace applications.</p>	<p>Scope:</p> <p>This standard specifies the rules for establishing the conventional designation of unalloyed, commercially pure and alloyed metallic materials used for aerospace applications.</p>
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ICS 49.025.05, 49.025.15

Võtmesõnad: cast materials, chemical composition, cobalt alloys, definitions, designations, identification methods, magnesium alloys, marking, materials, metallic materials, metals, nickel alloys, principle, rules, space transport, steels, titanium, titanium alloys

ICS 49.025.05; 49.025.15

English version

**Aerospace series - Metallic materials - Part 1: Conventional
designation**

Série aérospatiale - Matériaux métalliques - Partie 1:
Désignation conventionnelle

Luft- und Raumfahrt - Metallische Werkstoffe - Teil 1:
Konventionelle Bezeichnung

This European Standard was approved by CEN on 2 May 2001.

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 Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

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



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

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Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

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 June 2002, and conflicting national standards shall be withdrawn at the latest by June 2002.

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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0 Introduction

This standard is part of the series of EN metallic materials standards for aerospace applications. The general organization of this series is described in EN 4258.

1 Scope

This standard specifies the rules for establishing the conventional designation of unalloyed, commercially pure and alloyed metallic materials used for aerospace applications.

NOTE The relationship between former AECMA designations and the new designations according to this standard is given in TR 3900.

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.

ISO 31-8	Quantities and units - Part 8 : Physical chemistry and molecular physics
EN 1780-1	Aluminium and aluminium alloys - Designation of unalloyed aluminium and alloyed aluminium ingots for remelting, master alloys and castings - Part 1: Numerical designation system
EN 4258	Aerospace series - Metallic materials - General organization of standardization - Links between types of EN standards and their use
EN 4500-1	Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 1: General rules ¹⁾
EN 10020	Definition and classification of grades of steel
TR 3900	Aerospace series - Metallic materials - Relationship between AECMA designation systems ²⁾
TR 4242	Aerospace series - Metallic materials - List of EN standardized commercially pure metals and alloys - Relationship between chemical compositions and conventional designation ³⁾

3 Definitions

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

3.1

structural material

material used for the manufacture of a specific component of an aerospace system, structure or engine.

3.2

alloying element

see EN 4500-1.

1) Published as AECMA Prestandard at the date of publication of this standard

2) Published as AECMA Technical Report at the date of publication of this standard

3) In preparation at the date of publication of this standard