

**Aerospace series - Metallic materials - Part 001:
Conventional designation**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 2032-001:2014 sisaldab Euroopa standardi EN 2032-001:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 2032-001:2014 consists of the English text of the European standard EN 2032-001:2014.
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English Version

Aerospace series - Metallic materials - Part 001: Conventional designation

Série aérospatiale - Matériaux métalliques - Partie 001 :
Désignation conventionnelle

Luft- und Raumfahrt - Metallische Werkstoffe - Teil 001:
Konventionelle Bezeichnung

This European Standard was approved by CEN on 21 March 2013.

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

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Contents	Page
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Principle	7
4.1 General	7
4.2 ASD-STAN designation	7
4.3 Method of production or use	8
4.4 Basic chemical composition (base metal excluded)	8
4.5 Mass content of an alloying element	8
5 Structural materials	8
5.1 Unalloyed metals	8
5.2 Nickel base or cobalt base alloys	9
5.3 Aluminium base materials	9
5.4 Steels	10
5.5 Commercially pure titanium and titanium base alloys	10
5.6 Magnesium base alloys	11
5.7 Other metal base alloys	12
6 Joining materials	13
6.1 Filler metals for welding	13
6.2 Filler metals for brazing	13
7 Allocation and registration of the conventional designations	18
7.1 Allocation	18
7.2 Registration of the conventional designations	18
Annex A (informative) General	19
Annex B (informative) ASD-STAN designation: Nickel base or cobalt base alloy (Not applicable to new standard and revision)	20
Annex C (informative) ASD-STAN designation: Steels (Not applicable to new standards and revisions)	23
C.1 Unalloyed steels	23
C.2 Low alloy steels	24
C.3 High alloy ferritic and martensitic steels	25
C.4 High alloy austenitic and austenitic-ferritic steels	26
Annex D (informative) ASD-STAN designation: Commercially pure titanium and titanium base alloy (Not applicable to new standards and revisions)	28
D.1 Commercially pure titanium	28
D.2 Titanium base alloy	28

Foreword

This document (EN 2032-001:2014) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries 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 ASD, 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 January 2015, and conflicting national standards shall be withdrawn at the latest by January 2015.

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 2032-1:2001.

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, 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

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.

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1 Scope

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

NOTE Information relating to former ASD-STAN designations for nickel base or cobalt base alloys, steel, commercially pure titanium and titanium base alloys, is contained in Annex (informative).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1780-1, *Aluminium and aluminium alloys — Designation of 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 4500-001, *Aerospace series — Metallic materials — Rules for drafting and presentation of material standards - Part 001: General rules*

EN 10020, *Definition and classification of grades of steel*

EN 10027-1, *Designation systems for steels — Part 1: Steel names*

EN 10027-2, *Designation systems for steels — Part 2: Numerical system*

TR 3900, *Aerospace series — Metallic materials — Relationship between AECMA designation systems 1)*

ISO 80000-9, *Quantities and units — Part 9: Physical chemistry and molecular physics*

3 Terms and definitions

For the purposes of this document, the following terms and 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 4500-001

3.3

unalloyed metal

metal that contains no alloying elements and with a total impurity content less than 0,5 %

For the applications of this standard, a so-called “commercially pure” metal is not considered as unalloyed metal and its designation shall be chosen according to the same rules as those of the relevant metallic alloys

1) Published as ASD-STAN Technical Report at the date of publication of this standard. <http://www.asd-stan.org/>