



SLOVENSKI STANDARD
SIST EN 2424:2008

01-september-2008

Nadomešča:
SIST EN 2424:2001

Aeronavtika - Označevanje proizvodov v aeronavtiki

Aerospace series - Marking of aerospace products

Luft und Raumfahrt - Kennzeichnung von Luft- und Raumfahrtteilen

Série aérospatiale - Marquage des produits aérospatiaux
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Ta slovenski standard je istoveten z: ~~SIST EN 2424~~ EN 2424:2008

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ICS:

49.035	Sestavni deli za letalsko in vesoljsko gradnjo	Components for aerospace construction
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2424

May 2008

ICS 49.035

Supersedes EN 2424:1995

English Version

Aerospace series - Marking of aerospace products

Série aérospatiale - Marquage des produits aérospatiaux

Luft und Raumfahrt - Kennzeichnung von Luft- und
Raumfahrtteilen

This European Standard was approved by CEN on 7 March 2008.

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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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 United Kingdom.

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

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Foreword

This document (EN 2424:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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 2424:1995.

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, 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.

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1 Scope

This standard specifies the rules for the marking of aerospace products.

It is applicable whenever referenced in the definition document of the product.

2 Normative references

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

TR 3198, *Aerospace series — Manufacturer's identification monograms for EN aerospace products* ¹⁾

3 Aim

3.1 General

The marking allows the identification of the products and/or their manufacturer.

3.2 Product identification

All aerospace EN parts shall carry the EN part number if space is available; the EN part number shall take precedence over any manufacturer's part number.

The marking shall be as complete as possible. The marking styles shall be selected in accordance with the styles given in 4.2, based on the physical attributes of the component to be marked.

Style A ensures a complete identification and is the preferred method for all parts. The other styles shall only be used when style A is not physically achievable or when specified in the product standard or definition document.

Parts marked in accordance with styles other than A will need a complementary check on parameters such as: form, dimensions, material, surface treatment, etc. to completely define the product.

3.3 Manufacturer identification

It is carried out by means of their monogram or name, see Table 1.

It is the manufacturer's responsibility to register their monograms with ASD-STAN, if they wish to manufacture EN parts which require marking in accordance with this standard.

4 Marking practice

4.1 Position

It shall be arranged so as:

— not to be detrimental to the function of the product;

1) Published as ASD Technical Report at the date of publication of this standard.

— to ensure, as far as possible, product identification in the assembled condition.

It shall be stated in the definition document for the product.

4.2 Marking style

See Table 1.

The marking style will depend on the space available and the style(s) chosen shall be quoted on the product definition. The styles below are given in order of preference of use ("A" being first), except when otherwise specified in the product standard or definition document.

For products needing special identification that is not defined in Table 1 (for instance: marking of the left-hand thread for threaded products), specific instructions shall be given in the definition document.

Marking, additional to that defined in Table 1 on this specification, may be added at the manufacturer's discretion, in order to prevent confusion with other standards systems (e.g. different raw materials).

Table 1

Style	Composition of marking	Example	Application
A	a) Identity block of the definition document of the product b) Manufacturer's monogram ^a	EN 2932-060030 EN 2997-RSO1814M7	This style is the preferred default marking method for all parts.
B	a) Identity block of the definition document of the product minus one or several codes ^b b) Manufacturer's monogram ^a	EN 2888-080 EN 3372-003	Products which cannot be marked according to style A.
C	a) Number of the definition document of the product b) Manufacturer's monogram ^a	EN 3377 EN 3360 ...	Products which cannot be marked according to styles A or B.
D	a) Number of the EN product standard b) Manufacturer's monogram ^a	2584 ...	Does not apply to the definition documents published since March 1988.
E	a) Last digit of the number of the EN product standard b) Manufacturer's monogram ^a	4 ...	

(continued)

Table 1 (concluded)

Style	Composition of marking	Example	Application
F	Manufacturer's monogram ^a	...	Products which cannot be marked according to styles A, B, C, N or P.
G	a) Identity block of the definition document of the product b) Manufacturer's name or monogram ^a c) Batch number d) Quantity or mass	EN 2139-14016	Labels and/or packaging of products which cannot be marked.
H	a) One or several codes of the Identity	050	Does not apply to the definition

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	block of the definition document of the product b) Manufacturer's name or monogram ^a	...	documents published since March 1994.
N	a) Identification of thread system ^c b) Manufacturer's monogram ^a	Threaded products which cannot be marked according to styles A, B, C or P.
P	a) Manufacturer's monogram ^a b) Manufacturer's part number c) Additional marking (e.g. date of manufacture: year, week) ^d	For specific products which cannot be marked according to styles A, B, C.
^a In accordance with TR 3198 for EN aerospace products. ^b For bolts, the diameter code shall be mentioned in priority. ^c MJ or JM for metric J threads according to the manufacturer's choice and UJ for UNJ threads in inches. ^d If required by the definition document of the product.			

4.3 Procedure

All markings shall be permanent and shall not prejudice the requirements or performance of the product.

Unless the marking method is stated in the definition document of the product:

- the choice of the procedure is left to the option of the manufacturer.
- the marking shall be indented or embossed. The intrusion or protrusion of the characters shall be comprised between 0,05 mm to 0,25 mm and shall remain within the dimensional tolerance envelope.

4.4 Legibility

The marking shall be legible without magnification after a possible surface treatment. The character size shall not be less than 0,8 mm. The preferred character size is 1,5 mm.

Where space will not permit, character height may be smaller than 0,8 mm but greater than 0,3 mm legible with magnification $\times 10$. If this character height requirement cannot be respected, the marking shall be made according type G.