



SLOVENSKI STANDARD
SIST EN 3726:2005

01-junij-2005

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SIST EN 3726:2004

Aerospace series - Nuts, self-locking, clip, in heat resisting steel FE-PA2601 (A286), MoS2 coated - Classification: 1 100 MPa (at ambient temperature) / 425 °C

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Luft- und Raumfahrt - Klemmmuttern, selbstsichernd, aus hochwarmfestem Stahl FE-PA2601 (A286), MoS2-beschichtet - Klasse: 1 100 MPa (bei Raumtemperatur) / 425 °C

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Série aérospatiale - Écrous a pincer, a freinage interne, en acier résistant a chaud FE-PA2601 (A286), revetus MoS2 - Classification : 1 100 MPa (a température ambiante) / 425 °C

Ta slovenski standard je istoveten z: EN 3726:2004

ICS:

49.030.30 Matice Nuts

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3726

November 2004

ICS 49.030.30

Supersedes EN 3726:2003

English version

**Aerospace series - Nuts, self-locking, clip, in heat resisting steel
FE-PA2601 (A286), MoS2 coated - Classification: 1 100 MPa (at
ambient temperature) / 425° C**

Série aéronautique - Écrous à pincer, à freinage interne, en
acier résistant à chaud FE-PA2601 (A286), revêtus MoS2 -
Classification : 1 100 MPa (à température ambiante) / 425°
C

Luft- und Raumfahrt - Klemmuttern, selbstsichernd, aus
hochwarmfestem Stahl FE-PA2601 (A286), MoS2-
beschichtet - Klasse: 1 100 MPa (bei Raumtemperatur) /
425° C

This European Standard was approved by CEN on 11 September 2003.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 3726:2004) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document supersedes EN 3726:2003.

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

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EN 3726:2004 (E)**1 Scope**

This standard specifies the characteristics of self-locking clip nuts in FE-PA2601, MoS₂ coated, for aerospace applications.

Classification: 1 100 MPa¹⁾ / 425 °C²⁾

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.

ISO 5855-2, *Aerospace – MJ threads – Part 2: Limit dimensions for bolts and nuts*

EN 2424, *Aerospace series – Marking of aerospace products*

EN 2491, *Aerospace series – Molybdenum disulphide dry lubricants – Coating methods*

EN 3638, *Aerospace series – Heat resisting alloy FE-PA2601 (X6NiCrTiMoV26-15) – Consumable electrode remelted – Solution and precipitation treated – Sheet, strip and plate – 0,5 mm ≤ a ≤ 10 mm³⁾*

EN 3639, *Aerospace series – Heat resisting alloy FE-PA2601 – Softened and cold worked – Wire for forged fasteners – D ≤ 15 mm – 900 MPa ≤ R_m ≤ 1 100 MPa³⁾*

EN 3752, *Aerospace series – Nuts, self-locking, MJ threads, in heat resisting steel FE-PA2601 (A286), MoS₂ coated – Classification: 1 100 MPa (at ambient temperature) / 425 °C – Technical specification*

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3 Required characteristics**3.1 Configuration – Dimensions – Tolerances – Masses**

The configuration of the clip nut in this standard, see Figure 1, is given as an example only. Forms not stated are at the manufacturer's option. Only the maximum overall dimensions given in the Table 1 and the interchangeability requirements are imposed. The minimum dimensions are limited by the requirements of the technical specification.

Dimensions and tolerances are in millimetres. They apply before MoS₂ coating.

3.2 Materials

Nut element: EN 3638 or EN 3639

Clip: EN 3638

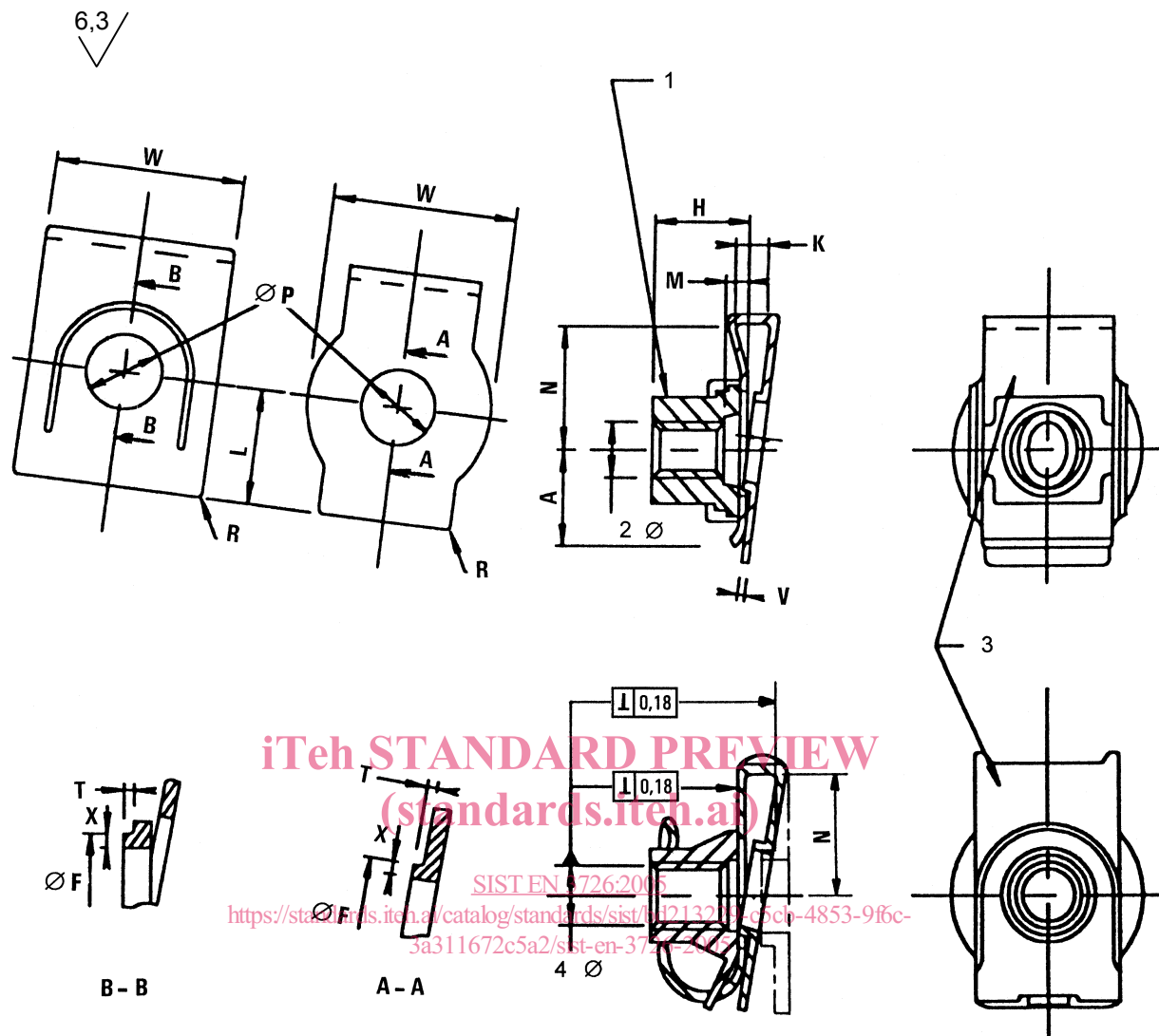
3.3 Surface treatment

EN 2491

1) Correspond to the minimum tensile stress which the nut is able to withstand at ambient temperature without breaking or cracking when tested with a bolt of a higher strength class.

2) Maximum test temperature of the parts

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



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Key

- 1 form out-of-round in this area to achieve the self-locking requirement (tooling marks permissible).
- 2 thread
- 3 marking
- 4 pitch diameter

Figure 1

Table 1

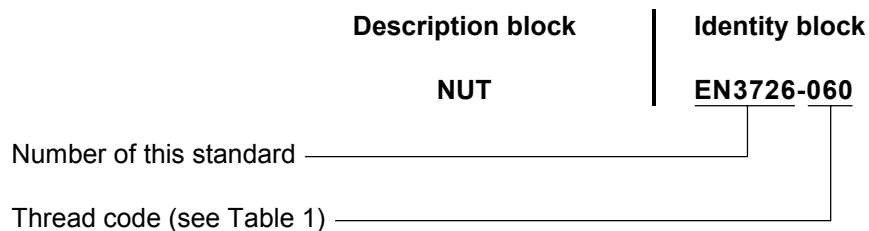
Code	Thread ^a Designation	A	F	H	K	L	M	N	P	R	T	V	W	X	Mass kg/1 000 parts	Panel thickness range
		± 0,5	max.	max.	± 0,5	± 0,5	min	± 0,5	± 0,15	± 0,5	± 0,5	± 0,05	max.	min.		
040	MJ4×0,7-4H6H	5,5	6,45	5,8	2,7	7	1,6	10	5,2	0,75	0,75	0,50	13,0	0,25	2,5	0,9 to 2,0
050	MJ5×0,8-4H6H			6,9												
060	MJ6×1-4H5H	8,5	8,05	8,8	10	6,6	0,63	18,5	0,30	4,3						

^a In accordance with ISO 5855-2

EN 3726:2004 (E)

4 Designation

EXAMPLE



NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.

5 Marking

EN 2424, style F, as indicated on Figure 1.

6 Technical specification

EN 3752

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