

STN	Letectvo a kozmonautika Samopoistné nitovacie matice zo žiaruvzdornej zliatiny na báze niklu NI-PH2601 (Inconel 718), s postriebreným závitom Trieda: 1 550 MPa (pri teplote okolia)/600 °C	STN EN 4123 31 3349
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Aerospace series - Shank nuts, self-locking, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated on thread -
Classification: 1 550 MPa (at ambient temperature) / 600 C

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/18

Obsahuje: EN 4123:2018

Oznámením tejto normy sa ruší
STN EN 4123 (31 3349) z mája 2005

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EUROPEAN STANDARD

EN 4123

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2018

ICS 49.030.30

Supersedes EN 4123:2004

English Version

**Aerospace series - Shank nuts, self-locking, in heat
resisting nickel base alloy NI-PH2601 (Inconel 718), silver
plated on thread - Classification: 1 550 MPa (at ambient
temperature) / 600 °C**

Série aérospatiale - Écrous à sertir, à freinage interne,
en alliage résistant à chaud à base de nickel NI-PH2601
(Inconel 718), argentés sur filetage - Classification : 1
550 MPa (à température ambiante) / 600 °C

Luft- und Raumfahrt - Einnietmuttern, selbstsichernd,
aus hochwarmfester Nickelbasislegierung NI-PH2601
(Inconel 718), Gewinde versilbert - Klasse: 1 550 MPa
(bei Raumtemperatur) / 600 °C

This European Standard was approved by CEN on 22 January 2018.

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 CEN-CENELEC 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 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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 4123:2018 (E)

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European foreword

This document (EN 4123:2018) 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 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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 4123:2004.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 4123:2018 (E)**1 Scope**

This document specifies the characteristics of self-locking shank nuts in NI-PH2601, silver plated on thread, for aerospace applications.

Classification: 1 550 MPa¹ / 600 °C².

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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

EN 2786, *Aerospace series — Electrolytic silver plating of fasteners*

EN 2952, *Aerospace series — Heat resisting alloy NI-PH2601 — Solution treated and cold worked — Bar for forged fasteners $D \leq 50$ mm — $1\,270$ MPa $\leq R_m \leq 1\,550$ MPa³*

EN 4047, *Aerospace series — Nuts, self-locking, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated — Classification: 1 550 MPa (at ambient temperature) / 600 °C — Technical specification*

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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 ASD-STAN Prestandard at the date of publication of this standard. <http://www.asd-stan.org/>.