ICS 49.030.30 SLOVENSKÁ TECHNICKÁ NORMA November 2015

STN	**Letectvo a kozmonautika. Samopoistné nitovacie matice so zúbkovaním, zo žiaruvzdornej ocele FE-PA 2601 (A286). Trieda: 1100 MPa (pri teplote okolia)/650 °C.**	**STN EN 3014** 31 3344

Aerospace series - Shank nuts, self-locking, serrated, in heat resisting steel FE-PA2601 (A286) - Classification: 1 100 MPa (at ambient temperature) / 650 ?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. 10/15

Obsahuje: EN 3014:2015

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EUROPEAN STANDARD
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EN 3014

June 2015

ICS 49.030.30

Supersedes EN 3014:2001

English Version

Aerospace series - Shank nuts, self-locking, serrated, in heat resisting steel FE-PA2601 (A286) - Classification: 1 100 MPa (at ambient temperature) / 650 °C

Série aérospatiale - Ecrous à sertir, dentelés, à freinage interne, en acier résistant à chaud FE-PA2601 (A286) - Classification : 1 100 MPa (à température ambiante) / 650 °C

Luft- und Raumfahrt - Einnietmuttern, selbstsichernd, verzahnt, aus hochwarmfestem Stahl FE-PA2601 (A286) - Klasse: 1 100 MPa (bei Raumtemperatur) / 650 °C

This European Standard was approved by CEN on 5 December 2014.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

European foreword

This document (EN 3014:2015) 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

This document supersedes EN 3014:2001.

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1 Scope

This European Standard specifies the characteristics of self-locking serrated shank nuts in FE-PA2601, for aerospace applications.

Classification: 1 100 MPa [1] / 650 °C [2].

NOTE FE-PA2601 is the new designation for FE-PA92HT, see TR 3900.

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 2399, *Aerospace series — Heat resisting steel FE-PA2601 (X4NiCrTiMoV26-15) — $R_m \geq 900$ MPa — Bars for forged bolts — $D \leq 25$ mm*

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

EN 3004, *Aerospace series — Nuts, self-locking, MJ threads, in heat resisting steel FE-PA2601 (A286) — Classification: 1 100 MPa (at ambient temperature) / 650 °C — Technical specification*

EN 3064, *Aerospace series — Shank nuts, self-locking, serrated — Installation procedure*

EN 3065, *Aerospace series — Installation holes for self-locking, serrated shank nuts — Design standard*

EN 3639, *Aerospace series — Heat resisting alloy FE-PA2601 — Softened and cold worked — Wire for forged fasteners — $D \leq 15$ mm — 900 MPa $\leq R_m \leq$ 1 100 MPa* [3]

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

TR 3900, *Metallic materials — Relationship between AECMA designation systems* [4]

[1] Corresponds 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/).

[4] Published as ASD-STAN Technical Report at the date of publication of this standard (http://www.asd-stan.org/).