

| | | |
|------------|---|---|
| STN | Letectvo a kozmonautika Dvanásťhranné samopoistné matice (dvojito zredukované) zo zliatiny niklu odolávajúcej vysokým teplotám NI-P101HT (Waspaloy), postriebrené Trieda: 1 210 MPa/730 °C | STN EN 3637 31 3328 |
|------------|---|---|

Aerospace series - Nut, self-locking, bi-hexagonal (double reduced), in heat resisting nickel base alloy - NI-P101HT (Waspaloy), silver plated, Classification: 1 210 MPa/730 °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. 09/23

Obsahuje: EN 3637:2023

Oznámením tejto normy sa ruší
STN EN 3637 (31 3328) z januára 2009

137469

EUROPEAN STANDARD

EN 3637

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2023

ICS 49.030.30

Supersedes EN 3637:2008

English Version

Aerospace series - Nut, self-locking, bi-hexagonal (double reduced), in heat resisting nickel base alloy - NI-P101HT (Waspaloy), silver plated, Classification: 1 210 MPa/730 °C

Série aérospatiale - Écrou bihexagonal, à freinage interne (double réduit), en alliage résistant à chaud base nickel NI-P101HT (Waspaloy), argenté - Classification : 1 210 MPa/730 °C

Luft- und Raumfahrt - Zwölfkantmutter, selbstsichernd (Doppelt reduziert), aus hochwarmfester Nickelbasislegierung - NI-P101HT (Waspaloy), versilbert, Klasse: 1 210 MPa/730 °C

This European Standard was approved by CEN on 12 June 2023.

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.

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



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 3637:2023 (E)

| Contents | | Page |
|--------------------------------|--|-------------|
| European foreword | | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Terms and definitions | 4 |
| 4 | Requirements | 4 |
| 4.1 | Configuration - dimensions - tolerances | 4 |
| 4.2 | Material | 4 |
| 4.3 | Surface treatment | 5 |
| 5 | Designation | 6 |
| 6 | Marking | 6 |
| 7 | Technical specification | 7 |
| Bibliography | | 8 |

European foreword

This document (EN 3637:2023) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, 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 2024, and conflicting national standards shall be withdrawn at the latest by January 2024.

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 3637:2008.

EN 3637:2023 includes the following significant technical changes with respect to EN 3637:2008:

- Clause 3 „Terms and definitions“ added;
- Key and footnotes to Figure 1 updated;
- Clause 7 modified;
- Bibliography updated;
- document editorially revised.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 3637:2023 (E)**1 Scope**

This document specifies the dimensions of self-locking, silver-coated bi-hexagonal nuts with MJ-thread in heat resisting nickel base alloy NI-P101HT for aerospace applications.

Maximum test temperature of the material 730 °C.

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 2959, *Aerospace series — Heat resisting alloy NI-PH1302 (NiCr20Co13Mo4Ti3Al) — Solution treated and cold worked — Bar for forged fasteners — $3\text{ mm} \leq D \leq 30\text{ mm}$*

EN 3005, *Aerospace series — Nuts, self-locking, MJ threads, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plated or uncoated — Classification: 1 210 MPa (at ambient temperature)/730 °C — Technical specification*

EN 3220, *Aerospace series — Heat resisting nickel base alloy (Ni-P101HT) — Cold worked and softened — Bar and wire for continuous forging or extrusion for fasteners — $3\text{ mm} \leq D \leq 30\text{ mm}$*

ISO 4095, *Aerospace — Bihexagonal drives — Wrenching configuration — Metric series*

ISO 5855-1, *Aerospace — MJ threads — Part 1: General requirements*

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN