

STN	Letectvo a kozmonautika Zliatina niklu odolávajúca vysokým teplotám (Ni-P101HT) Tyče a drôty tvárnené za studena a žíhané na kontinuálne kovanie alebo pretláčanie na spojovacie súčiastky 3 mm ≤ D ≤ 30 mm	STN EN 3220 31 2682
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Aerospace series - Heat resisting nickel base alloy (Ni-P101HT) - Cold worked and softened - Bar and wire for continuous forging or extrusion for fasteners - 3 mm D 30 mm

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. 09/19

Obsahuje: EN 3220:2019

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EUROPEAN STANDARD

EN 3220

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

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

Série aérospatiale - Alliage résistant à chaud base nickel (Ni-P101HT) - Écroui et adouci - Barre et fil pour le forgeage ou l'extrusion en continu pour fixations - $3 \text{ mm} \leq D \leq 30 \text{ mm}$

Luft- und Raumfahrt - Hochwarmfeste Nickellegierung (Ni-P101HT) - Kaltverfestigt und abgeschreckt - Stangen und Drähte zum kontinuierlichen Verformen oder Strangpressen für Verbindungselemente - $3 \text{ mm} \leq D \leq 30 \text{ mm}$

This European Standard was approved by CEN on 2 December 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

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European foreword

This document (EN 3220:2019) 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 October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

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.

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 3220:2019 (E)**Introduction**

This document is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

This document has been prepared in accordance with EN 4500-003.

1 Scope

This document specifies the requirements relating to:

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

for aerospace applications.

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 2344, *Aerospace series — Round bars, machined in heat resisting alloys — Diameter $10 \text{ mm} \leq D \leq 180 \text{ mm}$ — Dimensions*

EN 2369, *Aerospace series — Wires, heat resisting alloys — Diameter $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$ — Dimensions*

EN 2600, *Aerospace series — Designation of metallic semi-finished products — Rules*

EN 4258, *Aerospace series — Metallic materials — General organization of standardization — Links between types of EN standards and their use*

EN 4500-003, *Aerospace series — Metallic materials — Rules for drafting and presentation of material standards — Part 003: Specific rules for heat resisting alloys*

EN 4700-004, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 004: Wire*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN