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| STN | Letectvo a kozmonautika Oceľ 31Ni10 Výkovky De ≤ 40 mm, 1 230 MPa ≤ Rm ≤ 1 420 MPa | STN EN 2451 31 2871 |
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Aerospace series - Steel 31Ni10 - 1 230 MPa Rm 1 420 MPa - Forgings - De 40 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. 05/20

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EUROPEAN STANDARD

EN 2451

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Aerospace series - Steel 31Ni10 - $1\ 230\ \text{MPa} \leq R_m \leq 1\ 420$
MPa - Forgings - $De \leq 40\ \text{mm}$** Série aérospatiale - Acier 31Ni10 - $1\ 230\ \text{MPa} \leq R_m \leq 1\ 420\ \text{MPa}$ - Pièces forgées ou matricées - $De \leq 40\ \text{mm}$ Luft- und Raumfahrt - Stahl 31Ni10 - $1\ 230\ \text{MPa} \leq R_m \leq 1\ 420\ \text{MPa}$ - Gesenk- und Freiformschmiedestücke - $De \leq 40\ \text{mm}$

This European Standard was approved by CEN on 4 February 2019.

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 2451:2019 (E)

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European foreword

This document (EN 2451:2019) 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 June 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

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.

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EN 2451:2019 (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 4500-005.

1 Scope

This document specifies the requirements relating to:

Steel 31Ni10
 $1\,230\text{ MPa} \leq R_m \leq 1\,420\text{ MPa}$
Forgings
 $D_e \leq 40\text{ mm}$

for aerospace applications.

ASD-STAN designation: FE-PL73.

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 2157-2, *Aerospace series — Steel — Forging stock and forgings — Technical specification — Part 2: Forging stock*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN