

STN	Letectvo a kozmonautika Oceľ 31NiMoCr10-5-3, $1\,230\text{ MPa} \leq R_m \leq 1\,420\text{ MPa}$, tyče $D_e \leq 40\text{ mm}$	STN EN 2450 31 2860
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Aerospace series - Steel 31NiMoCr10-5-3 - 1 230 MPa Rm 1 420 MPa - Bars - 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. 02/26

Obsahuje: EN 2450:2025

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 2450

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 2450:2018

English Version

**Aerospace series - Steel 31NiMoCr10-5-3 - 1 230 MPa ≤
Rm ≤ 1 420 MPa - Bars - De ≤ 40 mm**Série aérospatiale - Acier 31NiMoCr10-5-3 - 1 230 MPa
≤ Rm ≤ 1 420 MPa - Barres - De ≤ 40 mmLuft- und Raumfahrt - Stahl 31NiMoCr10-5-3 - 1 230
MPa ≤ Rm ≤ 1 420 MPa - Stangen - De ≤ 40 mm

This European Standard was approved by CEN on 5 October 2025.

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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EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

EN 2450:2025 (E)

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European foreword

This document (EN 2450:2025) has been prepared by 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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 2450:2018.

EN 2450:2025 includes the following significant technical changes with respect to EN 2450:2018:

- update of Clause 2; and
- addition of a bibliography.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: 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 2450:2025 (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 31NiMoCr10-5-3
 $1\,230\text{ MPa} \leq R_m \leq 1\,420\text{ MPa}$
Bars
 $D_e \leq 40\text{ mm}$

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 2034, *Aerospace series — Round steel bars drawn and/or descaled — Dimensions — Tolerance h 11*

EN 2035,¹ *Round steel bars — Drawn — Dimensions — Tolerance h 9 — Aerospace series*

EN 2036, *Aerospace series — Round steel bars ground — Dimensions — Tolerance h 8*

EN 2037, *Aerospace series — Hexagonal steel bars drawn — Dimensions — Tolerances h 11 and h 12*

EN 2038,¹ *Hexagonal steel bars — Drawn — Dimensions — Tolerance h 9 — Aerospace series*

EN 2039,¹ *Rectangular steel bars — Drawn — Dimensions — Tolerances h 11/h 12 — Aerospace series*

EN 2040, *Aerospace series — Rectangular steel bars rolled — Dimensions — Tolerance js 16*

EN 2041,¹ *Square steel bars — Drawn — Dimensions — Tolerances h 11/h 12 — Aerospace series*

EN 2042,¹ *Square steel bars — Rolled — Dimensions — Tolerance js 16 — Aerospace series*

EN 4700-002, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 002: Bars and sections*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ Published as ASD-STAN prEN at the date of publication of this document, available at: <https://www.asd-stan.org/>.