

STN	Letectvo a kozmonautika Oceľ 15CrMoV6 (1.7334) Tavenie na vzduchu Kalená a popúšťaná tyč na obrábanie $D_e \leq 100 \text{ mm}$, $1\,080 \text{ MPa} \leq R_m \leq 1\,280 \text{ MPa}$	STN EN 3523 31 2137
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Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Bars for machining - $D_e \leq 100 \text{ mm}$ - $1\,080 \text{ MPa}$ R_m $1\,280 \text{ MPa}$

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. 03/25

Obsahuje: EN 3523:2024

Oznámením tejto normy sa ruší

STN EN 3523 (31 2137) z augusta 2007

140229

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3523

December 2024

ICS 49.025.10

Supersedes EN 3523:2007

English Version

**Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted -
Hardened and tempered - Bars for machining - $D_e \leq 100$
mm - $1\,080\text{ MPa} \leq R_m \leq 1\,280\text{ MPa}$**

Série aérospatiale - Acier 15CrMoV6 (1.7334) - Élaboré
à l'air - Trempé et revenu - Barres pour usinage - $D_e \leq$
100 mm - $1\,080\text{ MPa} \leq R_m \leq 1\,280\text{ MPa}$

Luft- und Raumfahrt - Stahl 15CrMoV6 (1.7334) -
Lufterschmolzen - Gehärtet und angelassen - Stange
zur spanenden Bearbeitung - $D_e \leq 100\text{ mm}$ - $1\,080\text{ MPa}$
 $\leq R_m \leq 1\,280\text{ MPa}$

This European Standard was approved by CEN on 18 November 2024.

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

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EN 3523:2024 (E)

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European foreword

This document (EN 3523:2024) 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 June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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 3523:2007.

The main changes with respect to the previous edition are as follows:

— EN 3523 (P2), 03/2007:

- o correction of the title, scope and Table 1, line 4.1: use of the plural for the semi-product “bars for machining”;
- o correction of the format of Table 1 to comply with the requirements of the EN 4500 series;
- o use of “imperfections” rather than “defects” in Table 1, lines 44 and 61;
- o Table 1, line 6.1: addition of note a regarding the heat treatment.

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 3523:2024 (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 15CrMoV6 (1.7334)

Air melted

Hardened and tempered

Bars for machining

$D_e \leq 100 \text{ mm}$

$1\,080 \text{ MPa} \leq R_m \leq 1\,250 \text{ MPa}$

for aerospace applications.

W.nr: 1.7334.

ASD-STAN designation: FE-PL1505.

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 2043, *Aerospace series — Metallic materials — General requirements for semi-finished product qualification (excluding forgings and castings)*

EN 2951, *Aerospace series — Metallic materials — Micrographic determination of content of non-metallic inclusions*

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

EN ISO 642, *Steel — Hardenability test by end quenching (Jominy test)* (ISO 642)

koniec náhľadu – text ďalej pokračuje v platenej verzii STN