

STN	Letectvo a kozmonautika Oceľ X3CrNiMoAl13-8-2 (1.4534) Indukčné tavenie vo vákuu a pretavovanie elektródy Žíhaný materiál na kovanie, a alebo $D \leq 300$ mm	STN EN 3359 31 2154
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Aerospace series - Steel X3CrNiMoAl13-8-2 (1.4534) - Vacuum induction melted and consumable electrode remelted - Softened - Forging stocks - a or D 300 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. 11/25

Obsahuje: EN 3359:2025

Oznámením tejto normy sa ruší
STN EN 3359 (31 2154) z decembra 2007

141420

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 3359

September 2025

ICS 49.025.10

Supersedes EN 3359:2007

English Version

**Aerospace series - Steel X3CrNiMoAl13-8-2 (1.4534) -
Vacuum induction melted and consumable electrode
remelted - Softened - Forging stocks - a or D ≤ 300 mm**

Série aérospatiale - Acier X3CrNiMoAl13-8-2 (1.4534) -
Élaboré sous vide par induction et refondu à l'électrode
consommable - Adouci - Produits destinés à la forge - a
ou D ≤ 300 mm

Luft- und Raumfahrt - Stahl X3CrNiMoAl13-8-2
(1.4534) - Vakuuminduktionserschmolzen und mit
selbstverzehrender Elektrode umgeschmolzen -
Geglüht - Schmiedevormaterial - a oder D ≤ 300 mm

This European Standard was approved by CEN on 27 July 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.

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 3359:2025 (E)

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European foreword

This document (EN 3359:2025) 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 March 2026, and conflicting national standards shall be withdrawn at the latest by March 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 will supersede EN 3359:2007.

EN 3359:2025 includes the following significant technical changes with respect to EN 3359:2007:

- EN 3359 (P2), 07/2007 – Update of the material designation, correction of the format of Table 1 to comply with the requirements of the EN 4500 series, 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 3359:2025 (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 X3CrNiMoAl13-8-2 (1.4534)

Vacuum induction melted and consumable electrode remelted

Softened

Forging stock

a or $D \leq 300$ mm

for aerospace applications.

ASD-STAN designation: FE-PM1503

Material number: 1.4534

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 2003-7,¹ *Aerospace series — Steel — Test methods — Part 7: Macrographic test*

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

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

EN 4050-1, *Aerospace series — Test method for metallic materials — Ultrasonic inspection of bars, plates, forging stock and forgings — Part 1: General requirements*

EN 4436,¹ *Aerospace series — Steel — Test methods — Determination of δ -ferrite content*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ Published as AECMA Prestandard at the date of publication of this document.