

Aerospace series - Steel X6CrNiTi18-10 (1.4541) - Air melted - Softened - Bars for machining - a or D  $\leq$  250 mm - 500 MPa  $\leq$  Rm  $\leq$  700 MPa

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 3487:2024 sisaldab Euroopa standardi EN 3487:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 13.11.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 3487:2024 consists of the English text of the European standard EN 3487:2024.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 13.11.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 49.025.10

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EUROPEAN STANDARD

EN 3487

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2024

ICS 49.025.10

Supersedes EN 3487:2007

English Version

**Aerospace series - Steel X6CrNiTi18-10 (1.4541) - Air  
melted - Softened - Bars for machining - a or D ≤ 250 mm -  
500 MPa ≤ Rm ≤ 700 MPa**

Série aérospatiale - Acier X6CrNiTi18-10 (1.4541) -  
Élaboré à l'air - Adouci - Barres pour usinage - a ou D ≤  
250 mm - 500 MPa ≤ Rm ≤ 700 MPa

Luft- und Raumfahrt - Stahl X6CrNiTi18-10 (1.4541) -  
Lufterschmolzen - Weichgeglüht - Stangen zur  
spanenden Bearbeitung - a oder D ≤ 250 mm - 500 MPa  
≤ Rm ≤ 700 MPa

This European Standard was approved by CEN on 19 May 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

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

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## European foreword

This document (EN 3487:2024) 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 May 2025, and conflicting national standards shall be withdrawn at the latest by May 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 3487:2007.

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

- EN 3487 (P2), 12/2007 — General editorial improvements and update of the references in the 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.

## **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.

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## 1 Scope

This document specifies the requirements relating to:

Steel X6CrNiTi18-10 (1.4541)

Air melted

Softened

Bars for machining

$a$  or  $D \leq 250$  mm

$500 \text{ MPa} \leq R_m \leq 700 \text{ MPa}$

for aerospace applications.

W.nr: 1.4541.

ASD-STAN designation: FE-PA3601.

## 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 4436,<sup>1</sup> *Aerospace series — Steel — Test methods — Determination of  $\delta$  ferrite content*

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

## 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp/>

— IEC Electropedia: available at <https://www.electropedia.org/>

## 4 Requirements

The requirements of Table 1 shall be applied.

The documents listed in Table 1 shall be applied.

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