

Aerospace series - Steel X3CrNiMoAl (1.4534) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation treated - Bars for **machining** - **a or D ≤ 200 mm - 1 200 MPa ≤ Rm ≤ 1 350 MPa**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4884:2022 sisaldab Euroopa standardi EN 4884:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 4884:2022 consists of the English text of the European standard EN 4884:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 21.12.2022.	Date of Availability of the European standard is 21.12.2022.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 49.025.10

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English Version

**Aerospace series - Steel X3CrNiMoAl (1.4534) - Vacuum
induction melted and consumable electrode remelted -
Solution treated and precipitation treated - Bars for
machining - a or $D \leq 200$ mm - $1\,200\text{ MPa} \leq R_m \leq 1\,350$
MPa**

Série aérospatiale - Acier X3CrNiMoAl (1.4534) -
Élaboré sous vide par induction et refondu à l'électrode
consommable - Mis en solution et précipité - Barres
pour usinage - a ou $D \leq 200$ mm - $1\,200\text{ MPa} \leq R_m \leq 1\,350\text{ MPa}$

Luft- und Raumfahrt - Stahl X3CrNiMoAl (1.4534) -
Vakuuminduktionserschmolzen und mit
selbstverzehrender Elektrode umgeschmolzen -
Lösungsgeglüht und ausscheidungsgehärtet - Stangen
für die Bearbeitung - a oder $D \leq 200$ mm - $1\,200\text{ MPa} \leq R_m \leq 1\,350\text{ MPa}$

This European Standard was approved by CEN on 22 August 2022.

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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European foreword

This document (EN 4884:2022) 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 document 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 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 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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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 X3CrNiMoAl (1.4534)

Vacuum induction melted and consumable electrode remelted

Solution treated and precipitation treated

Bars for machining

a or $D \leq 200$ mm

$1\,200\text{ MPa} \leq R_m \leq 1\,350\text{ MPa}$

for aerospace applications.

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

AMS 2315, *Determination of Delta Ferrite Content* ¹⁾

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

See Table 1.

¹⁾ Published by: SAE International (US), <https://www.sae.org/>.