

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3523:2024 sisaldab Euroopa standardi EN 3523:2024 ingliskeelset teksti. Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.12.2024. Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	This Estonian standard EVS-EN 3523:2024 consists of the English text of the European standard EN 3523:2024. This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is 18.12.2024. The standard is available from the Estonian Centre for Standardisation and Accreditation.
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ICS 49.025.10

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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) - Elaboré
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

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

Contents		Page
European foreword		3
Introduction		4
1	Scope.....	5
2	Normative references.....	5
3	Terms and definitions	5
4	Requirements.....	5
Bibliography		9

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.

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)

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.