

Aerospace series - Steel FE-PM1503 (X3CrNiMoAl 13-8-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation treated - **Bar for machining - a or D ≤ 150 mm - Rm ≥ 1 400 MPa**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3358:2020 sisaldab Euroopa standardi EN 3358:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 3358:2020 consists of the English text of the European standard EN 3358:2020.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.01.2020.	Date of Availability of the European standard is 15.01.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 49.025.10

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English Version

**Aerospace series - Steel FE-PM1503 (X3CrNiMoAl 13-8-2)
- Vacuum induction melted and consumable electrode
remelted - Solution treated and precipitation treated - Bar
for machining - a or D ≤ 150 mm - Rm ≥ 1 400 MPa**

Série aérospatiale - Acier FE-PM1503 (X3CrNiMoAl 13-8-2) - Élaboré sous vide par induction et refondu à l'électrode consommable - Mis en solution et précipité - Barre pour usinage - a ou D ≤ 150 mm - Rm ≥ 1 400 MPa

Luft- und Raumfahrt - Stahl FE-PM1503 (X3CrNiMoAl 13-8-2) - Vakuuminduktionserschmolzen und mit selbstverzehrender Elektrode umgeschmolzen - Lösungsgeglüht und ausscheidungsgehärtet - Stange zur spanenden Bearbeitung - a oder D ≤ 150 mm - Rm ≥ 1 400 MPa

This European Standard was approved by CEN on 14 January 2019.

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, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents	Page
European foreword	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Requirements.....	5
Bibliography.....	8

European foreword

This document (EN 3358:2020) 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 Standard 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 July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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.

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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.

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1 Scope

This document specifies the requirements relating to:

Steel FE-PM1503 (X3CrNiMoAl 13-8-2)
Vacuum induction melted and consumable electrode remelted
Solution treated and precipitation treated
Bar for machining
 a or $D \leq 150$ mm
 $R_m \geq 1\,400$ 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 2043, *Aerospace series — Metallic materials — General requirements for semi-finished product qualification (excluding forgings and castings)*

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

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

AMS 2315 G, *Determination of delta ferrite content*

ASTM A 604-07, *Standard practice for macrotech testing of consumable electrode remelted steel bars and billets*

3 Terms and definitions

No terms and definitions are listed in this document.

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

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Requirements

See Table 1.