

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Zliatina odolávajúca vysokým teplotám FE-PM1708</b> <b>Pretavovanie oblúkom vo vákuu</b> <b>Kalené a popúšťané tyče a alebo <math>D \leq 200</math> mm, <math>1\ 000</math> MPa <math>\leq R_m \leq 1\ 140</math> MPa</b>	<b>STN</b> <b>EN 4244</b>  31 2891
------------	--	---

Aerospace series - Heat resisting alloy FE-PM1708 - Vacuum arc remelted - Hardened and tempered - Bars - a or D 200 mm - 1 000 MPa Rm 1 140 MPa

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. 07/20

Obsahuje: EN 4244:2020

**130864**

EUROPEAN STANDARD

EN 4244

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 49.025.99

English Version

**Aerospace series - Heat resisting alloy FE-PM1708 -  
Vacuum arc remelted - Hardened and tempered - Bars - a  
or  $D \leq 200$  mm -  $1\ 000$  MPa  $\leq R_m \leq 1\ 140$  MPa**

Série aérospatiale - Alliage résistant à chaud FE-  
PM1708 - Refondu sous vide par arc - Trempé et  
revenu - Barres - a ou  $D \leq 200$  mm -  $1\ 000$  MPa  $\leq R_m \leq$   
 $1\ 140$  MPa

Luft- und Raumfahrt - Hochwarmfeste Legierung FE-  
PM1708 - Lichtbogenvakuumschmolzen - Gehärtet  
und angelassen - Stangen - a oder  $D \leq 200$  mm -  $1\ 000$   
MPa  $\leq R_m \leq 1\ 140$  MPa

This European Standard was approved by CEN on 18 November 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

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

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

## **European foreword**

This document (EN 4244:2020) 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 European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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 the United Kingdom.

**EN 4244:2020 (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 4500-003.

## 1 Scope

This document specifies the requirements relating to:

Heat resisting alloy FE-PM1708  
Vacuum arc remelted  
Hardened and tempered  
Bars  
 $a$  or  $D \leq 200$  mm  
 $1\ 000\ \text{MPa} \leq R_m \leq 1\ 140\ \text{MPa}$

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 2344, *Aerospace series — Round bars, machined in heat resisting alloys — Diameter  $10\ \text{mm} \leq D \leq 180\ \text{mm}$  — Dimensions*

EN 2600, *Aerospace series — Designation of metallic semi-finished products — Rules*

EN 4700-002, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 002: Bar and section* <sup>1)</sup>

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

---

1) Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), <http://www.asd-stan.org/>