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Aerospace series - Heat resisting alloy FE-PA2601 - Softened and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 100 MPa ≤ Rm ≤ 1 300 MPa

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ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3761:2020 sisaldab Euroopa standardi EN 3761:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 3761:2020 consists of the English text of the European standard EN 3761:2020.
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 49.025.05

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3761

January 2020

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English Version

Aerospace series - Heat resisting alloy FE-PA2601 - Softened and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 100 MPa ≤ Rm ≤ 1 300 MPa

Série aérospatiale - Alliage résistant à chaud FE-PA2601 - Adouci et écroui - Barre pour éléments de fixations forgés - D ≤ 50 mm - 1 100 MPa ≤ Rm ≤ 1 300 MPa

Luft- und Raumfahrt - Hochwarmfeste Legierung FE-PA2601 - Weichgeglüht und kaltverfestigt - Stange zum Stauchen für Verbindungselemente - D ≤ 50 mm - 1 100 MPa ≤ Rm ≤ 1 300 MPa

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

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 3761:2020) 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 4500-003.

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1 Scope

This document specifies the requirements relating to:

Heat resisting alloy FE-PA2601
Softened and cold worked
Bar for forged fasteners
$D \leq 50$ mm
1 100 MPa ≤ R_m ≤ 1 300 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 2002-16, *Aerospace series — Metallic materials — Part 016: Non-destructive testing — Penetrant testing* [1)]

EN 4700-002, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 002: Bars and sections* [1)]

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.

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