

**Aerospace series - Steel FE-PM3801  
(X5CrNiCu17-4) - Air melted - Solution  
treated and precipitation treated -  
Forgings - a or D  $\leq$  200 mm - Rm  $\geq$  1 310  
Mpa**

Aerospace series - Steel FE-PM3801 (X5CrNiCu17-4) - Air melted - Solution treated and precipitation treated - Forgings - a or D  $\leq$  200 mm - Rm  $\geq$  1 310 Mpa

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3677:2007 sisaldab Euroopa standardi EN 3677:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3677:2007 consists of the English text of the European standard EN 3677:2007.</p> <p>This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This standard specifies the requirements relating to: Steel FE-PM3801 (X5CrNiCu17-4) Air melted Solution treated and precipitation Treated forgings a or D ≤ 200 mm Rm ≥ 1 310 Mpa for aerospace applications.</p>	<p><b>Scope:</b> This standard specifies the requirements relating to: Steel FE-PM3801 (X5CrNiCu17-4) Air melted Solution treated and precipitation Treated forgings a or D ≤ 200 mm Rm ≥ 1 310 Mpa for aerospace applications.</p>
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ICS 49.025.10

Võtmesõnad:

ICS 49.025.10

English Version

**Aerospace series - Steel FE-PM3801 (X5CrNiCu17-4) - Air  
melted - Solution treated and precipitation treated - Forgings - a  
or  $D \leq 200$  mm -  $R_m \geq 1\,310$  MPa**

Série aérospatiale - Acier FE-PM3801 (X5CrNiCu17-4) -  
Élaboré à l'air - Mis en solution et vieilli - Pièces forgées et  
pièces matriçées - a ou  $D \leq 200$  mm -  $R_m \geq 1\,310$  MPa

Luft- und Raumfahrt - Stahl FE-PM3801 (X5CrNiCu17-4) -  
Lufterschmolzen - Lösungsgeglüht und ausgehärtet -  
Schmiedestücke - a oder  $D \leq 200$  mm -  $R_m \geq 1\,310$  MPa

This European Standard was approved by CEN on 5 October 2006.

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 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 Management Centre has the same status as the official versions.

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

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## Foreword

This document (EN 3677:2007) 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 September 2007, and conflicting national standards shall be withdrawn at the latest by September 2007.

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## Introduction

This standard 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 standard has been prepared in accordance with EN 4500-5.

## 1 Scope

This standard specifies the requirements relating to:

Steel FE-PM3801 (X5CrNiCu17-4)  
Air melted  
Solution treated and precipitation treated  
Forgings  
 $a$  or  $D \leq 200$  mm  
 $R_m \geq 1\,310$  MPa

for aerospace applications.

## 2 Normative references

The following referenced documents are indispensable for the application 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 3163, *Aerospace series — Steel FE-PM3801 (X5CrNiCu17-4) — Air melted — Softened — Forging stock —  $a$  or  $D \leq 300$  mm.* <sup>1)</sup>

EN 4050-4, *Aerospace series — Test method for metallic materials — Ultrasonic inspection of bars, plates, forging stock and forgings — Part 4: Acceptance criteria.* <sup>1)</sup>

EN 4258, *Aerospace series — Metallic materials — General organization of standardization — Links between types of EN standards and their use.*

EN 4500-5, *Aerospace series — Metallic materials — Rules for drafting and presentation of material standards — Part 5: Specific rules for steels.* <sup>1)</sup>

EN 4700-006, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 006: Pre-production and production forgings.* <sup>2)</sup>

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1) Published as ASD Prestandard at the date of publication of this standard.

2) In preparation at the date of publication of this standard.