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NSAI Standards

Irish Standard
I.S. EN 4657:2010

# Aerospace series - Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation remelted - Bars - a or D < 200 mm - Rm > 1 650 MPa

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# I.S. EN 4657:2010

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. EN 4657:2010

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 4657

October 2010

ICS 49.025.10

English Version

# Aerospace series - Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation remelted - Bars - a or D ≤ 200 mm - Rm ≥ 1 650 MPa

Série aérospatiale - Acier FE-PM1507 (X1CrNiMoAlTi12-11-2) - Élaboré sous vide par induction et refondu à l'électrode consommable - Mis en solution et vieilli - Barres - a ou D ≤ 200 mm - Rm ≥ 1 650 MPa

Luft- und Raumfahrt - Stahl FE-PM1507 (X1CrNiMoAlTi12-11-2) - Vakuuminduktionserschmolzen und mit Selbstverzehrender Elektrode umgeschmolzen - Lösungsgeglüht und ausgelagert - Stangen - a oder D ≤ 200 mm - Rm ≥ 1 650 MPa

This European Standard was approved by CEN on 19 June 2010.

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# Foreword

This document (EN 4657:2010) 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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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.

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## 1 Scope

This standard specifies the requirements relating to:

Steel FE-PM1507 (X1CrNiMoAlTi12-11-2)
Vacuum induction melted and consumable electrode remelted
Solution treated and precipitation treated
Bars
*a* or *D* ≤ 200 mm
$R_m \geq 1\,650$ 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 2043, *Aerospace series — Metallic materials — General requirements for semi-finished product qualification (excluding forgings and castings)* [1)]

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* [1)]

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

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

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