

Irish Standard I.S. EN 4570:2020

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated -Forgings - De ≤ 100 mm

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I.S. EN 4570:2020

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National Foreword

I.S. EN 4570:2020 is the adopted Irish version of the European Document EN 4570:2020, Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated - Forgings - De \leq 100 mm

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EUROPEAN STANDARD

EN 4570

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 49.025.05

English Version

Aerospace series - Heat resisting alloy X12CrNiCoMoW21-20 - Solution treated - Forgings - De ≤ 100 mm

Série aérospatiale - Alliage résistant à chaud X12CrNiCoMoW21-20 - Mis en solution - Pièces forgées ou matricées - De ≤ 100 mm

Luft- und Raumfahrt - Hochwarmfeste Legierung FE-PA4901 (X12CrNiCoMoW21-20) - Lösungsgeglüht -Schmiedestücke - De ≤ 100 mm

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European foreword

This document (EN 4570:2020) 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of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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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.

1 Scope

This document specifies the requirements relating to:

Heat resisting alloy X12CrNiCoMoW21-20 Solution treated Forgings $De \le 100 \text{ mm}$

for aerospace applications.

ASD-STAN Designation: FE-PA4901.

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 4263, Aerospace series — Heat resisting alloy FE-PA4901 (X12CrNiCoMoW21-20) — As forged — Forging stock — a or $D \le 200$ mm — 690 MPa $\le Rm \le 960$ MPa

EN 4700-006, Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 006: Pre-production and production forgings

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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