

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4570:2020 sisaldab Euroopa standardi EN 4570:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 4570:2020 consists of the English text of the European standard EN 4570:2020.
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.
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ICS 49.025.05

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English Version

**Aerospace series - Heat resisting alloy X12CrNiCoMoW21-
20 - Solution treated - Forgings - $De \leq 100$ mm**

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

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

This European Standard was approved by CEN on 8 December 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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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.

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 X12CrNiCoMoW21-20
Solution treated
Forgings
 $D_e \leq 100 \text{ mm}$

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 $D \leq 200 \text{ mm}$ — $690 \text{ MPa} \leq R_m \leq 960 \text{ MPa}$*

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.