



SLOVENSKI STANDARD
oSIST prEN 3162:2024

01-september-2024

Aeronavtika - Jeklo X5CrNiCu17-4 (1.4542) - Taljeno - Topilno žarjeno in izločevalno utrjeno - Pločevina in trakovi - $a \leq 6$ mm - $R_m \geq 930$ MPa

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Sheets and strips - $a \leq 6$ mm - $R_m \geq 930$ MPa

Luft- und Raumfahrt - Stahl X5CrNiCu17-4 (1.4542) - Lufterschmolzen - Lösungsgeglüht und ausgehärtet - Bleche und Bänder - $a \leq 6$ mm - $R_m \geq 930$ MPa

Série aérospatiale - Acier X5CrNiCu17-4 (1.4542) - Élaboré à l'air - Mis en solution et précipité - Tôles et bandes - $a \leq 6$ mm - $R_m \geq 930$ MPa

Ta slovenski standard je istoveten z: prEN 3162

oSIST prEN 3162:2024

ICS:

49.025.10	Jekla	Steels
77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

oSIST prEN 3162:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 3162

June 2024

ICS 49.025.10

Will supersede EN 3162:2007

English Version

**Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air
melted - Solution treated and precipitation treated - Sheets
and strips - $a \leq 6$ mm - $R_m \geq 930$ MPa**

Série aérospatiale - Acier X5CrNiCu17-4 (1.4542) -
Élaboré à l'air - Mis en solution et précipité - Tôles et
bandes - $a \leq 6$ mm - $R_m \geq 930$ MPa

Luft- und Raumfahrt - Stahl X5CrNiCu17-4 (1.4542) -
Lufterschmolzen - Lösungsgeglüht und ausgehärtet -
Bleche und Bänder - $a \leq 6$ mm - $R_m \geq 930$ MPa

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 3162:2024) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 3162:2007.

prEN 3162:2024 includes the following significant technical changes with respect to EN 3162:2007:

- update of the material designation;
- correction of the format of Table 1 to comply with the requirements of the EN 4500 series;
- update of Clause 2;
- addition of a bibliography.

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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 4500-005.

1 Scope

This document specifies the requirements relating to:

Steel X5CrNiCu17-4 (1.4542)
Air melted
Solution treated and precipitation treated
Sheets and strips
 $a \leq 6$ mm
 $R_m \geq 930$ MPa

for aerospace applications.

W.nr: 1.4542.

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 2043, *Aerospace series — Metallic materials — General requirements for semi-finished product qualification (excluding forgings and castings)*

EN 4436,¹ *Aerospace series — Steel — Test methods — Determination of δ ferrite content*

EN 4700-001, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 001: Plate; sheet and strip*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Requirements

The requirements of Table 1 shall be applied.

The documents listed in Table 1 shall be applied.

¹ Published as ASD-STAN Standard at the date of publication of this document, available at: <https://www.asd-stan.org/>.