



SLOVENSKI STANDARD
oSIST prEN 3677:2024

01-september-2024

Nadomešča:
SIST EN 3677:2009

Aeronavtika - Jeklo X5CrNiCu17-4 (1.4542) - Taljeno - Topilno žarjeno in izločevalno utrjeno - Izkovki - a ali $D \leq 200$ mm - $R_m \geq 1\,310$ MPa

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Forgings - a or $D \leq 200$ mm - $R_m \geq 1\,310$ MPa

Luft- und Raumfahrt - Stahl X5CrNiCu17-4 (1.4542) - Lufterschmolzen - Lösungsgeglüht und ausscheidungsgehärtet - Schmiedestücke - a oder $D \leq 200$ mm - $R_m \geq 1\,310$ MPa

Série aérospatiale - Acier X5CrNiCu17-4 (1.4542) - Élaboré à l'air - Mis en solution et vieilli - Pièces forgées et pièces matricées - a ou $D \leq 200$ mm - $R_m \geq 1\,310$ Mpa

Ta slovenski standard je istoveten z: prEN 3677

<https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aeced8b/osist-pren-3677-2024>

ICS:

49.025.10 Jekla Steels

oSIST prEN 3677:2024 **en,fr,de**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 3677

June 2024

ICS 49.025.10

Will supersede EN 3677:2007

English Version

**Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air
melted - Solution treated and precipitation treated -
Forgings - a or $D \leq 200$ mm - $R_m \geq 1\,310$ MPa**

Série aérospatiale - Acier X5CrNiCu17-4 (1.4542) -
Élaboré à l'air - Mis en solution et vieilli - Pièces
forgées ou matricées - a ou $D \leq 200$ mm - $R_m \geq 1\,310$
MPa

Luft- und Raumfahrt - Stahl X5CrNiCu17-4 (1.4542) -
Lufterschmolzen - Lösungsgeglüht und ausgehärtet -
Schmiedestücke - a oder $D \leq 200$ mm - $R_m \geq 1\,310$ 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

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

Contents		Page
European foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Requirements		5
Bibliography		9

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 3677:2024](https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024)

<https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024>

European foreword

This document (prEN 3677:2024) 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 3677:2007.

prEN 3677:2024 includes the following significant technical changes with respect to EN 3677:2007:

- EN 3677 (P1), 03/2007 — 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 and addition of a bibliography.

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[oSIST prEN 3677:2024](https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024)

<https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024>

prEN 3677:2024 (E)

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.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 3677:2024](https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024)

<https://standards.iteh.ai/catalog/standards/sist/a9752a5d-38bc-49d9-b519-b65733aced8b/osist-pren-3677-2024>