

**Aerospace series - Steel X12CrNiMoV12-3 (1.4933) - 900  
MPa  $\leq$  Rm  $\leq$  1 100 MPa - Bars - De  $\leq$  150 mm**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 2278:2014 sisaldab Euroopa standardi EN 2278:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 2278:2014 consists of the English text of the European standard EN 2278:2014.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.10.2014.	Date of Availability of the European standard is 15.10.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 49.025.10

English Version

**Aerospace series - Steel X12CrNiMoV12-3 (1.4933) - 900 MPa ≤  
Rm ≤ 1 100 MPa - Bars - De ≤ 150 mm**

Série aérospatiale - Acier X12CrNiMoV12-3 (1.4933) - 900  
MPa ≤ Rm ≤ 1 100 MPa - Barres - De ≤ 150 mm

Luft- und Raumfahrt - Stahl X12CrNiMoV12-3 (1.4933) -  
900 MPa ≤ Rm ≤ 1 100 MPa - Stangen - De ≤ 150 mm

This European Standard was approved by CEN on 28 June 2014.

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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  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (EN 2278:2014) 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 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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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 4500-005.

## 1 Scope

This European Standard specifies the requirements relating to:

Steel X12CrNiMoV12-3 (1.4933)  
 $900 \text{ MPa} \leq R_m \leq 1\,100 \text{ MPa}$   
Bars  
 $D_e \leq 150 \text{ mm}$

for aerospace applications.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 4258, *Aerospace series — Metallic materials — General organization of standardization — Links between types of EN standards and their use*

EN 4500-005, *Aerospace series — Metallic materials — Rules for drafting and presentation of material standards — Part 005: Specific rules for steels*

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