

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Oceľ X4CrNiMo16-5-1</b> <b>Tavenie na vzduchu</b> <b>Kalené a popúšťané plechy a pásy 0,3 mm ≤ a ≤</b> <b>50 mm, 900 MPa ≤ Rm ≤ 1 050 MPa</b>	<b>STN</b> <b>EN 4890</b>  31 2878
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Aerospace series - Steel X4CrNiMo16-5-1 - Air melted - Hardened and tempered - Sheets and plates - 0,3 mm a 50 mm - 900 MPa Rm 1 050 MPa

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/22

Obsahuje: EN 4890:2022

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EUROPEAN STANDARD

EN 4890

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Aerospace series - Steel X4CrNiMo16-5-1 - Air melted -  
Hardened and tempered - Sheets and plates -  $0,3 \text{ mm} \leq a \leq$   
 $50 \text{ mm}$  -  $900 \text{ MPa} \leq R_m \leq 1\,050 \text{ MPa}$

Série aérospatiale - Acier X4CrNiMo16-5-1 - Élaboré à  
l'air - Trempé et revenu - Tôles et plaques -  $0,3 \text{ mm}$   
 $\leq a \leq 50 \text{ mm}$  -  $900 \text{ MPa} \leq R_m \leq 1\,050 \text{ MPa}$

Luft- und Raumfahrt - Stahl X4CrNiMo16-5-1 -  
Lufterschmolzen - Gehärtet- und angelassen - Bleche  
und Platten -  $0,3 \text{ mm} \leq a \leq 50 \text{ mm}$  -  $900 \text{ MPa} \leq R_m \leq$   
 $1\,050 \text{ MPa}$

This European Standard was approved by CEN on 13 March 2022.

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.

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, Turkey and United Kingdom.



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

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**EN 4890:2022 (E)**

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## **European foreword**

This document (EN 4890:2022) 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 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 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: 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, Turkey and the United Kingdom.

**EN 4890:2022 (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.

## 1 Scope

This European Standard specifies the requirements relating to:

Steel X4CrNiMo16-5-1

Air melted

Hardened and tempered

Sheets and plates

$0,3 \text{ mm} \leq a \leq 50 \text{ mm}$

$900 \text{ MPa} \leq R_m \leq 1\ 050 \text{ MPa}$

for aerospace applications.

ASD-STAN designation: FE-PM 3504.

## 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 2951, *Aerospace series — Metallic materials — Micrographic determination of content of non-metallic inclusions*

EN 4050-4, *Aerospace series — Test method for metallic materials — Ultrasonic inspection of bars, plates, forging stock and forgings — Part 4: Acceptance criteria*

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**