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**Aeronavtika - Jeklo X5CrNiCu15-5 (1.4545) - Pretaljeno s talilno elektrodo (ESR ali VAR) - Topilno žarjeno in izločevalno utrjeno (H1025) - Palice za obdelavo - a ali D ≤ 250 mm - 1070 MPa ≤ Rm ≤ 1200 MPa - Visoka stopnja kakovosti (pq)**

Aerospace series - Steel X5CrNiCu15-5 (1.4545) - Consumable electrode remelted (ESR or VAR) - Solution treated and precipitation treated (H1025) - Bars for machining - a or D ≤ 250 mm - 1 070 MPa ≤ Rm ≤ 1 200 MPa - Premium quality (pq)

Luft- und Raumfahrt - Stahl X5CrNiCu15-5 (1.4545) - Mit selbstverzehrender Elektrode umgeschmolzen (ESR oder VAR) - Lösungsgeglüht und ausscheidungsgehärtet (H1025) - Stangen zur spanenden Bearbeitung - a oder D ≤ 250 mm - 1 070 MPa ≤ Rm ≤ 1 200 MPa - Beste Güte (pq)

Série aérospatiale - Acier X5CrNiCu15-5 (1.4545) - Refondu à l'électrode consommable (ESR ou VAR) - Mis en solution et précipité (H1025) - Barres pour usinage - a ou D ≤ 250 mm - 1 070 MPa ≤ Rm ≤ 1 200 MPa - Première qualité (pq)

**Ta slovenski standard je istoveten z: EN 4842:2023**

**ICS:**

49.025.10	Jekla	Steels
77.140.60	Jeklene palice in drogovi	Steel bars and rods

**SIST EN 4842:2023****en,fr,de**



EUROPEAN STANDARD

EN 4842

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2023

ICS 49.025.15

Supersedes EN 4842:2019

English Version

**Aerospace series - Steel X5CrNiCu15-5 (1.4545) -  
Consumable electrode remelted (ESR or VAR) - Solution  
treated and precipitation treated (H1025) - Bars for  
machining -  $a$  or  $D \leq 250$  mm -  $1\ 070$  MPa  $\leq$   $R_m \leq 1\ 200$   
MPa - Premium quality (pq)**

Série aérospatiale - Acier X5CrNiCu15-5 (1.4545) -  
Refondu à l'électrode consommable (ESR ou VAR) - Mis  
en solution et précipité (H1025) - Barres pour usinage  
-  $a$  ou  $D \leq 250$  mm -  $1\ 070$  MPa  $\leq$   $R_m \leq 1\ 200$  MPa -  
Première qualité (pq)

Luft- und Raumfahrt - Stahl X5CrNiCu15-5 (1.4545) -  
Mit selbstverzehrender Elektrode umgeschmolzen  
(ESR oder VAR) - Lösungsgeglüht und  
ausscheidungsgehärtet (H1025) - Stangen zur  
spanenden Bearbeitung -  $a$  oder  $D \leq 250$  mm -  $1\ 070$   
MPa  $\leq$   $R_m \leq 1\ 200$  MPa - Beste Güte (pq)

This European Standard was approved by CEN on 16 July 2023.

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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  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 4842:2023) 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 April 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.

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.

This document supersedes EN 4842:2019.

Compared to the previous edition EN 4842:2019 the test requirement has changed.

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, Türkiye and the United Kingdom.

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**EN 4842:2023 (E)****Introduction**

This document is part of the series of 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.

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