
**Aeronavtika - Jeklo FE-PL1503 (35CrMo4) - Ħarjeno - Plol' evina in trakovi - 0,3 mm
Ôa Ô2 mm - Za pritrditvene matice**

Aerospace series - Steel FE-PL1503 (35CrMo4) - Annealed - Sheet and strip - 0,3 mm
Ôa Ô2 mm - For prevailing torque nuts

Luft- und Raumfahrt - Stahl FE-PL1503 (35CrMo4) - GeglÁht - Bleche und B«nder - 0,3
mm Ôa Ô2 mm - FÁr klemmende Sicherungsmuttern

S°rie a°rospatiale - Acier FE-PL1503 (35CrMo4) - Recuit - T»les et bandes - 0,3 mm Ôa
Ô2 mm - Pour °crous ©freinage interne par d°formation

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Ta slovenski standard je istoveten z: EN 3329:2009

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49.025.10 Jekla

Steels

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3329

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English Version

**Aerospace series — Steel FE-PL1503 (35CrMo4) — Annealed
— Sheet and strip — $0,3 \text{ mm} \leq a \leq 2 \text{ mm}$ — For prevailing
torque nuts**

Série aéronautique — Acier FE-PL1503 (35CrMo4) —
Recuit — Tôles et bandes — $0,3 \text{ mm} \leq a \leq 2 \text{ mm}$ — Pour
écrous à freinage interne par déformation

Luft- und Raumfahrt — Stahl FE-PL1503 (35CrMo4) —
Geglüht — Bleche und Bänder — $0,3 \text{ mm} \leq a \leq 2 \text{ mm}$ —
Für klemmende Sicherungsmuttern

This European Standard was approved by CEN on 18 October 2008.

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 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 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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 3329:2009) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

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 November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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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 4500-5.

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1 Scope

This standard specifies the requirements relating to:

Steel FE-PL1503 (35CrMo4)
Annealed
Sheet and strip
 $0,3 \text{ mm} \leq a \leq 2 \text{ mm}$
For prevailing torque nuts

for aerospace applications.

2 Normative references

The following referenced documents are indispensable for the application 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 2033, *Aerospace series — Strips, cold rolled in steel — Thickness $0,1 \text{ mm} \leq a \leq 2,5 \text{ mm}$ — Dimensions*¹

EN 4258, *Aerospace series — Metallic materials — General organization of standardization — Links between types of EN standards and their use*

EN 4500-5, *Aerospace series — Metallic materials — Rules for drafting and presentation of material standards — Part 5: Specific rules for steels*²

EN 4700-1, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 1: Plate, sheet and strip*²

1 Published as ASD Standard at the date of publication of this standard.

2 Published as ASD Prestandard at the date of publication of this standard.

EN 3329:2009 (E)

1	Material designation		Steel FE-PL1503 (35CrMo4)								
2	Chemical composition %	Element	C	Si	Mn	P	S	Cr	Mo	Ni	Fe
		min.	0,30	0,15	0,50	–	–	0,90	0,15	–	Base
		max.	0,37	0,40	0,80	0,025	0,020	1,20	0,30	0,40	
3	Method of melting		Air melted								
4.1	Form		Sheet and strip								
4.2	Method of production		–								
4.3	Limit dimension(s)	mm	$0,3 \leq a \leq 2$								
5	Technical specification		EN 4700-1								

6.1	Delivery condition		Annealed								
	Heat treatment		–								
6.2	Delivery condition code		U								
7	Use condition		Delivery condition								
	Heat treatment		–								

Characteristics

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8.1	Test sample(s)			See EN 4700-1.	
8.2	Test piece(s)			—	
8.3	Heat treatment			Reference on a washer $a \leq 2$ mm (see line 29)	
9	Dimensions concerned	mm	0,3 ≤ a ≤ 2		—
10	Thickness of cladding on each face	%	—		
11	Direction of test piece			—	
12	Temperature	θ	°C	Ambient	
13	Proof stress	R _{p0,2}	MPa*	—	
14	Strength	R _m	MPa*	—	
15	Elongation	A	%	—	
16	Reduction of area	Z	%	—	
17	Hardness			HRB ≤ 96 ^a HV5 ≤ 228	
18	Shear strength	R _c	MPa*	—	
19	Bending	k	—	—	
20	Impact strength			—	
21	Temperature	θ	°C	—	
22	Time		h	—	
23	Stress	σ_a	MPa*	—	
24	Elongation	a	%	—	
25	Rupture stress	σ_R	MPa*	—	
26	Elongation at rupture	A	%	—	
27	Notes (see line 98)			*, a	