



SLOVENSKI STANDARD

SIST EN 2034:2017

01-oktober-2017

Aeronavtika - Okrogle jeklene palice, vlečene in/ali dekapirane - Mere - Toleranca h 11

Aerospace series - Round steel bars drawn and/or descaled - Dimensions - Tolerance h 11

Luft- und Raumfahrt - Rundstangen aus Stahl gezogen und/oder geschält - Abmessungen - Toleranz h 11

Série aérospatiale - Barres rondes en acier étirées et/ou écrouées - Dimensions - Tolérance h 11

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Ta slovenski standard je istoveten z: EN 2034:2017

ICS:

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

SIST EN 2034:2017

en,fr,de

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EUROPEAN STANDARD

EN 2034

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

ICS 49.025.10

English Version

Aerospace series - Round steel bars drawn and/or descaled - Dimensions - Tolerance h 11

Série aérospatiale - Barres rondes en acier étirées
et/ou écrouées - Dimensions - Tolérance h 11

Luft- und Raumfahrt - Rundstangen aus Stahl gezogen
und/oder entzundert - Abmessungen - Toleranz h 11

This European Standard was approved by CEN on 11 May 2017.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 2034:2017) 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 February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

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 European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 2034:2017 (E)**1 Scope**

This European Standard specifies the dimensions, tolerances and physical constants of drawn and/or descaled round steel bars used in aerospace construction.

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 2030, *Aerospace series — Steel X105CrMo17 (1.3544) — Hardened and tempered — Bars — $D_e \leq 150$ mm*

3 Materials

The materials are defined in the material standards and technical specification.

4 Required characteristics

The dimensions, tolerances, cross sectional areas and linear mass are defined in Figure 1 and Table 1.

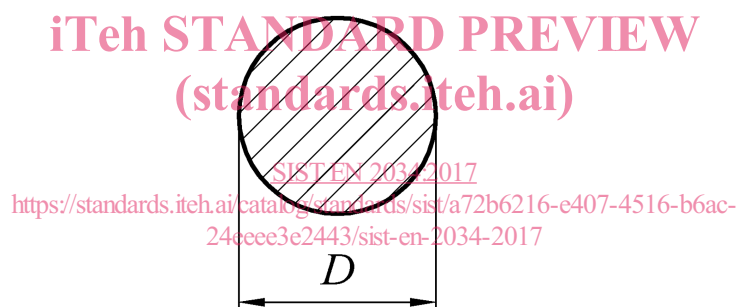


Figure 1

Table 1

Dimensions and tolerances in millimetres

Dimensional code	D		Cross sectional area mm ² ≈	Linear mass ^a kg/m ≈	Dimensional code	D		Cross sectional area mm ² ≈	Linear mass ^a kg/m ≈
	Nom.	Tolerance h 11				Nom.	Tolerance h 11		
AA	5	0	19,63	0,154	AR	45	0	1 590	12,5
AB	6	-0,075	28,27	0,222	AS	50	-0,160	1 963	15,4
AC	8	0	50,27	0,395	AT	55	0	2 463	19,3
AD	10	-0,090	78,54	0,617	AU	63		3 117	24,5
AE	12	0 -0,110	113,1	0,888	AV	70	-0,190	3 848	30,2
AF	14		153,9	1,21	AW	80	5 027	39,5	
AG	16		201,1	1,58	AY	90	0 -0,220	6 362	49,9
AH	18	254,5	2,00	AZ	100	7 854		61,7	
AJ	20	0 -0,130	314,2	2,47	BA	110	0 -0,250	9 503	74,6
AK	22		380,1	2,98	BB	125		12 270	96,3
AL	25		490,9	3,85	BC	140		15 390	121
AM	28	615,8	4,83	BD	160	20 110	158		
AN	32	804,2	6,31	BE	180	25 450	200		
AP	36	1 018	7,99	BF	200	31 426	247		
AQ	40	-0,160	1 257	9,86	BG	250	0 -0,290	49 090	385

^a Calculated on the basis of 7,85 kg/dm³.

5 Designation

The designation of products defined in this standard may include the following elements:

- name;
- number of material standard;
- dimensions;
- number of this dimensional standard.

EXAMPLE

BAR EN2030 – 10 EN2034

NOTE When the designation is to be codified, dimensions shall be replaced by the code letters in Table 1 of this standard.

6 Marking

Marking of the semi-finished products defined in this standard shall comply with the requirements of the technical specification.

Bibliography

- [1] EN 4700 (all parts), *Aerospace series — Steel and heat resisting alloy — Wrought products — Technical specification*
- [2] ISO 286 (all parts), *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes*

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