SLOVENSKI STANDARD
SIST EN 2341:2019

01-marec-2019

Aeronavtika - Aluminij in aluminijeve zlitine - Kvadratne in pravokotne ekstrudirane palice - Mere

Aerospace series - Aluminium and aluminium alloy - Square and rectangular extruded bars - Dimensions

Luft- und Raumfahrt - Stranggepresste Stangen mit quadratischem und rechteckigem Querschnitt aus Aluminium und Aluminiumlegierungen - Maße

Série aérospatiale - Barres filées de sections carrée et rectangulaire, en aluminium et alliages d'aluminium - Dimensions

Ta slovenski standard je istoveten z: **EN 2341:2018**

ICS:

49.025.20	Aluminij	Aluminium

SIST EN 2341:2019 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2341

December 2018

ICS 49.025.20

English Version

Aerospace series - Aluminium and aluminium alloy - Square and rectangular extruded bars - Dimensions

Série aérospatiale - Barres filées de sections carrée et rectangulaire, en aluminium et alliages d'aluminium - Dimensions

Luft- und Raumfahrt - Stranggepresste Stangen mit quadratischem und rechteckigem Querschnitt aus Aluminium und Aluminiumlegierungen - Maße

This European Standard was approved by CEN on 17 September 2018.

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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword

This document (EN 2341:2018) 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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.

1 Scope

This standard specifies the characteristics of aluminium and aluminium alloy square and rectangular extruded bars, used in aerospace construction.

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 2066, *Aerospace series — Extruded section in aluminium alloys — General tolerances*

EN 2070-1, *Aerospace series — Aluminium and aluminium alloy wrought products — Technical specification — Part 1: General requirements*

EN 2070-3, *Aerospace series — Aluminium and aluminium alloy wrought products — Technical specification — Part 3: Bar and section*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 Materials

The materials are defined in the material standards.

5 Required characteristics

5.1 Preferred dimensions

The preferred dimensions and tolerances of thickness and width of bars are given in Table 1.

Other dimensions may be used subject to agreement between manufacturer and purchaser.

Table 1 — Preferred dimensions, mass *(1 of 6)*

Dimensions in millimetres

Thickness		Width		Cross-section	Mass [a]
a	Tolerance	*b*	Tolerance	mm^2	kg/m
6	± 0,25	6	± 0,25	36	0,101
		10		60	0,168
	± 0,30	12	± 0,30	72	0,202
		15		90	0,252
		18		108	0,302
		20		120	0,336
		25	± 0,40	150	0,420
		30		180	0,504
		40	± 0,50	240	0,672
		50		300	0,840
	± 0,35	60	± 0,60	360	1,008
8	± 0,25	8	± 0,25	64	0,179
		10		80	0,224
	± 0,30	12	± 0,30	96	0,269
		15		120	0,336
		16		128	0,358
		18		144	0,403
		20		160	0,448
		25	± 0,40	200	0,560
		30		240	0,672
		40	± 0,50	320	0,896
		50		400	1,120
	± 0,35	60	± 0,60	480	1,340
		80		640	1,790
10	± 0,25	10	± 0,25	100	0,280
	± 0,30	12	± 0,30	120	0,336
		15		150	0,420
		18		180	0,504
		20		200	0,560
		25	± 0,40	250	0,700
		30		300	0,840

Table 1 — Preferred dimensions, mass *(2 of 6)*

Dimensions in millimetres

Thickness		Width		Cross-section	Mass [a]
a	Tolerance	*b*	Tolerance	mm^2	kg/m
10	± 0,30	40	± 0,50	400	1,120
		50		500	1,400
	± 0,35	60	± 0,60	600	1,680
		70		700	1,960
		80		800	2,240
		100	± 0,80	1 000	2,800
25	± 0,40	25	± 0,40	625	1,750
		30		750	2,100
		40	± 0,50	1 000	2,800
		50		1 250	3,500
	± 0,45	60	± 0,60	1 500	4,200
		80		2 000	5,600
		100	± 0,80	2 500	7,000
		120		3 000	8,400
	± 0,50	160	± 1,20	4 000	11,200
30	± 0,40	30	± 0,40	900	2,520
		45	± 0,50	1 350	3,780
		50		1 500	4,200
	± 0,45	60	± 0,60	1 800	5,040
		70		2 100	5,880
		80		2 400	6,720
		100	± 0,80	3 000	8,400
		120		3 600	10,080
	± 0,50	140	± 1,20	4 200	11,760
		160		4 800	13,440
32		32	± 0,50	1 024	2,870
35		50		1 750	4,900
		60	± 0,60	2 100	5,880
		70		2 450	6,860

Table 1 — Preferred dimensions, mass *(3 of 6)*

Dimensions in millimetres

Thickness		Width		Cross-section	Mass [a]
a	Tolerance	*b*	Tolerance	mm^2	kg/m
36	± 0,50	36	± 0,50	1 296	3,630
40		40		1 600	4,480
		50		2 000	5,600
		60	± 0,60	2 400	6,720
		80		3 200	8,960
		100	± 0,80	4 000	11,200
		120		4 800	13,440
	± 0,55	140	± 1,20	5 600	15,680
		160		6 400	17,920
		180		7 200	20,160
	± 0,60	200	± 1,40	8 000	22,400
		220		8 800	24,640
12	± 0,30	12	± 0,30	144	0,403
		18		216	0,605
		20		240	0,672
	± 0,35	25	± 0,40	300	0,840
		30		360	1,008
		40	± 0,50	480	1,340
		50		600	1,680
	± 0,40	60	± 0,60	720	2,020
		80		960	2,690
		100	± 0,80	1 200	3,360
		120		1 440	4,030
		140	± 1,20	1 680	4,704
14	± 0,30	14	± 0,30	196	0,549
15		20		300	0,840
	± 0,35	25	± 0,40	375	1,050
		30		450	1,260
		35	± 0,50	525	1,470
		40		600	1,680
		50		750	2,100