



SLOVENSKI STANDARD

SIST EN 2053:2017

01-oktober-2017

Aeronavtika - U-profilu iz aluminijevih zlitin - Mere

Aerospace series - U-section aluminium alloy folded profiles - Dimensions

Luft- und Raumfahrt - U-Profile aus Aluminiumlegierungen - Gebogen - Abmessungen

Série aérospatiale - Profilés pliés et formés en U en alliages d'aluminium - Dimensions

Ta slovenski standard je istoveten z: **EN 2053:2017**

[SIST EN 2053:2017](https://standards.iteh.ai/catalog/standards/sist/1f879d2d-f7ac-47a8-90e9-227227a0ee8c/sist-en-2053-2017)

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ICS:

49.025.20 Aluminij Aluminium

SIST EN 2053:2017 **en,fr,de**

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EUROPEAN STANDARD

EN 2053

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

ICS 49.025.20

English Version

Aerospace series - U-section aluminium alloy folded profiles - Dimensions

Série aérospatiale - Profilés pliés et formés en U en alliages d'aluminium - Dimensions

Luft- und Raumfahrt - U-Profile aus Aluminiumlegierungen, gebogen - Abmessungen

This European Standard was approved by CEN on 14 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 2053:2017) 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 2053:2017 (E)**1 Scope**

This European Standard specifies the dimensions and physical constants of U-section aluminium alloy folded profiles 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 2127, *Aerospace series — Aluminium alloy — AL-P7075- — T73511 — Extruded bars and sections a or $D \leq 100$ mm*

3 Materials

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

4 Required characteristics

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

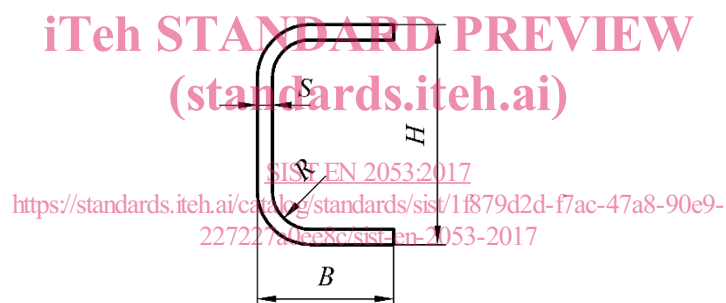


Figure 1

Table 1 — Dimensions, cross sectional areas and linear mass

Dimensions in millimetres

Dimensional code	B	H	R	S	Cross sectional area mm ²	Linear mass ^a kg/m ≈	Dimensional code	B	H	R	S	Cross sectional area mm ²	Linear mass ^a kg/m ≈
AA	10	16	1,6	0,6	20	0,055	BK	20	32	2,5	1	67	0,187
AB	12		2,5	0,8	28	0,080	BL			4	1,2	78	0,218
AC	16			0,8	35	0,098	BM			4	1,6	102	0,286
AD			1	43	0,120	BN	4			1,2	90	0,252	
AE	10	20	1,6	0,6	22	0,062	BP	25	40	4	1,6	118	0,330
AF			2,5	0,8	28	0,080	BQ			5	2	144	0,402
AG	12		1,6	0,6	24	0,068	BR	12		2,5	0,8	48	0,133
AH			2,5	0,8	32	0,089	BS				1	59	0,165
AJ	16	20	2,5	1	39	0,109	BT	16	50	2,5	0,8	54	0,151
AK			0,8	38	0,107	BU	1				67	0,187	
AL	1		47	0,131	BV	4	1,2	78		0,218			
AM	1,2		54	0,151	BW	2,5	1	75		0,210			
AN	20	25	2,5	1	55	0,153	BY	20	63	4	1,2	88	0,245
AP			1,2	64	0,178	BZ	1,6				115	0,322	
AQ	4		1,6	83	0,232	CA	4	1,2		100	0,280		
AR	1,6		0,6	27	0,077	CB		1,6		131	0,366		
AS	12	25	2,5	0,8	36	0,100	CC	16	50	5	2	160	0,447
AT				1	44	0,123	CD			2,5	1	77	0,215
AU	16		2,5	0,8	42	0,118	CE	4		1,2	90	0,252	
AV				1	52	0,145	CF			1,6	118	0,331	
AW	20	25	4	1,2	60	0,168	CG	20	50	4	1,2	100	0,280
AY			2,5	1	60	0,168	CH				1,6	131	0,336
AZ	25		4	1,2	70	0,195	CJ	25		5	2	160	0,447
BA				1,6	91	0,254	CK			4	1,6	147	0,411
BB	25	4	1,2	82	0,228	CL	25	5	2	180	0,503		
BC			1,6	107	0,299	CM		6	2,5	234	0,656		
BD	12	32	5	2	130	0,363	CN	25	63	4	1,6	168	0,470
BE			2,5	0,8	41	0,116	CP			5	2	206	0,576
BF			1	51	0,142	CQ	6			2,5	251	0,703	
BG			2,5	0,8	48	0,133	CR			4	1,6	188	0,527
BH	16	32	4	1	59	0,165	CS	32	63	5	2	234	0,654
BJ				1,2	68	0,192	CT			6	2,5	286	0,801

^a Calculated on the basis of 2,8 kg/dm³.

EN 2053:2017 (E)**5 Designation**

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

- a) name;
- b) number of this dimensional standard;
- c) dimensions;
- d) number of material standard.

EXAMPLE

SECTION EN2053 – 25 × 16 × 1,2 EN2127

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.

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