SLOVENSKI STANDARD
SIST EN 2366:2019

01-november-2019

Aeronavtika - Listi in trakovi - Zlitine, odporne proti vročini - Hladno valjano - Debelina a ≤ 3 mm - Mere

Aerospace series - Sheets and strips - Heat resisting alloys - Cold rolled - Thickness a ≤ 3 mm - Dimensions

Luft- und Raumfahrt - Bleche und Bänder - Aus Hochwarmfesten Legierungen - Kaltgewalzt - Dicke a ≤ 3 mm - Maße

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Série aérospatiale - Tôles et bandes - En alliages résistant à chaud - Laminées à froid - Épaisseur a ≤ 3 mm - Dimensions

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Ta slovenski standard je istoveten z: EN 2366:2019

ICS:

49.025.01	Materiali za letalsko in vesoljsko gradnjo na splošno	Materials for aerospace construction in general

SIST EN 2366:2019 **en,fr,de**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2366

September 2019

ICS 49.025.01

English Version

Aerospace series - Sheets and strips - Heat resisting alloys - Cold rolled - Thickness a ≤ 3 mm - Dimensions

Série aérospatiale - Tôles et bandes - En alliages résistant à chaud - Laminées à froid - Épaisseur a ≤ 3 mm - Dimensions

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This European Standard was approved by CEN on 1 May 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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SIST EN 2366:2019

Contents Page

European foreword 3
1 Scope 4
2 Normative references 4
3 Materials 4
4 Required characteristics 4
5 Designation 9
6 Technical specification 9

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https://standards.iteh.ai/catalog/standards/sist/7e1ecfb8-8b48-47d9-9dee-2b66bee0d157/sist-en-2366-2019

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European foreword

This document (EN 2366:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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1 Scope

This document specifies the dimensions and tolerances of cold rolled sheets and strips in heat resisting alloys 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 4700 (all parts), *Aerospace series — Steel and heat resisting alloy — Wrought products — Technical specification*

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

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4 Materials

The materials are defined in the material standards.

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5 Required characteristics

5.1 Preferred thicknesses

See Table 1.

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Table 1

Thickness *a* mm	**Mass** [a] kg/m^2
0,3	2,43
0,4	3,24
0,5	4,05
0,6	4,86
0,8	6,48
1,0	8,10
1,2	9,82
1,4	11,33
1,6	12,96
1,8	14,58
2,0	16,20
2,5	20,25
3,0	24,30

[a] Calculated on the basis of an average density of 8,1 g/cm^3.

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5.2 Dimensional tolerances

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5.2.1 Thickness

See Table 2.

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Table 2

Dimensions in millimetres

Thickness a	Width b		
	$b \leq 250$	$250 < b \leq 1\,000$	$1\,000 < b \leq 1\,200$
$a \leq 0{,}3$	+0,03 −0,05	+0,05 −0,05	+0,05 −0,05
$0{,}3 < a \leq 0{,}5$	+0,05 −0,05	+0,05 −0,05	+0,05 −0,05
$0{,}5 < a \leq 0{,}7$	+0,05 −0,05	+0,05 −0,07	+0,09 −0,09
$0{,}7 < a \leq 1{,}0$	+0,05 −0,05	+0,07 −0,07	+0,10 −0,10
$1{,}0 < a \leq 1{,}6$	+0,05 −0,07	+0,07 −0,10	+0,11 −0,11
$1{,}6 < a \leq 2{,}5$	+0,07 −0,07	+0,10 −0,10	+0,13 −0,13
$2{,}5 < a \leq 3{,}0$	+0,07 −0,07	+0,10 −0,15	+0,15 −0,15

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5.2.2 Width and length for sheets

See Table 3.

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Table 3

Dimensions in millimetres

Thickness a	Width b or length L			
	$L \leq 300$	$300 < L \leq 450$	$450 < L \leq 900$	$900 < L \leq 3\,000$
$a \leq 1{,}6$	±1	±1	±2	±3
$1{,}6 < a \leq 2{,}5$	±1	±2	±2	±3
$2{,}5 < a \leq 3$	±2	±3	±3	±5

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5.2.3 Width for coiled strips

See Table 4.

Table 4

Dimensions in millimetres

Thickness a	Width b		
	$b \leq 75$	$75 < b \leq 150$	$150 < b \leq 250$
$a \leq 0{,}25$	±0,2	±0,2	±0,3
$0{,}25 < a \leq 1{,}0$	±0,3	±0,4	±0,5
$1{,}0 < a \leq 1{,}6$	±0,4	±0,5	±0,8
$1{,}6 < a \leq 3{,}0$	±0,8	±0,8	±0,8

5.3 Geometrical tolerances

5.3.1 Squareness

See Table 5.

The tolerance on squareness is taken as being the difference in length of the diagonals |AC–BD| (see Figure 1).

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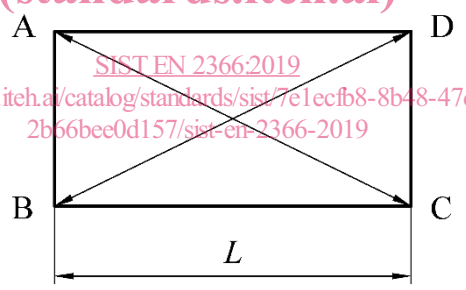

Figure 1

Table 5

Dimensions in millimetres

Width b	Length L	
	$L \leq 2\,000$	$2\,000 < L \leq 3\,000$
$b \leq 700$	6	7
$700 < b \leq 1\,100$	8	9
$1\,100 < b \leq 1\,200$	9	10

5.3.2 Lateral straightness

The maximum admissible deviation from straightness F (see Figure 2) shall be 0,2 % of the reference dimension (length or width).