
Aeronavtika - Jeklo - Hladno valjana pločevina in trakovi - Debelina $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$ - Mere

Aerospace series - Steel - Sheet and strip, cold rolled - Thickness $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$ - Dimensions

Luft- und Raumfahrt - Stahl - Bleche und Bänder, kaltgewalzt - Dicken $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$ - Maße

Série aérospatiale - Acier - Tôles et bandes laminées à froid - Épaisseurs $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$ - Dimensions

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Ta slovenski standard je istoveten z: EN 2589:2017

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49.025.10 Jekla

Steels

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 2589

February 2017

ICS 49.025.10

English Version

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Thickness $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$ - Dimensions**

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This European Standard was approved by CEN on 14 November 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 2589:2017) 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of an identical text or by endorsement, at the latest by August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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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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1 Scope

This European Standard specifies the dimensions and tolerances of sheets and strips, cold rolled, in steel, thickness $0,1 \text{ mm} \leq a \leq 3 \text{ mm}$, for aerospace applications.

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 2600, *Aerospace series — Designation of metallic semi-finished products — Rules*¹⁾

EN 3848, *Aerospace series — Semi-finished metallic products — Methods of measuring form deviations*

TR 2410, *Metallic materials — Relationship between dimensional standards and metallic material standards*²⁾

3 Required characteristics

3.1 Form

See Figure 1.



Figure 1

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this European Standard.

²⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard.

3.2 Dimensions

3.2.1 Thickness and mass

3.2.1.1 Sheet

See Table 1.

Table 1

<i>a</i> Nominal mm	Mass per unit area ^a kg/m ²
0,5	3,9
0,6	4,7
0,8	6,3
1,0	7,9
1,2	9,4
1,4	11,0
1,6	12,6
1,8	14,1
2,0	15,7
2,5	19,6
3,0	23,6
^a For information, calculated with a density: 7,85 kg/dm ³ .	

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3.2.1.2 Strip

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See Table 2.

Table 2

<i>a</i> Nominal mm	Mass per unit area ^a kg/m ²
0,1	0,8
0,2	1,6
0,3	2,4
0,4	3,1
0,5	3,9
0,6	4,7
0,8	6,3
1,0	7,9
1,2	9,4
1,4	11,0
1,6	12,6
1,8	14,1
2,0	15,7
2,5	19,6
^a For information, calculated with a density: 7,85 kg/dm ³ .	

EN 2589:2017 (E)**3.2.2 Width**

Width is not specified.

3.2.3 Length

Length is not specified.

3.3 Dimensional tolerances**3.3.1 Thickness**

Measurements shall be taken at least 20 mm from the edge. For strip $b \leq 40$ mm, the thickness is measured on the reference line.

3.3.1.1 Sheet

See Table 3.

Table 3

Dimensions in millimetres

Thickness	Tolerances ($\pm$) for a width:		
	$b \leq 1\,200$	$1\,200 < b \leq 1\,500$	$1\,500 < b \leq 2\,000$
$a \leq 0,6$	0,05	–	–
$0,6 < a \leq 0,8$	0,06	–	–
$0,8 < a \leq 1,0$	0,07	–	–
$1,0 < a \leq 1,2$	0,08	0,09	–
$1,2 < a \leq 1,6$	0,08	0,09	0,13
$1,6 < a \leq 2,0$	0,09	0,10	0,14
$2,0 < a \leq 2,5$	0,10	0,11	0,15
$2,5 < a \leq 3,0$	0,11	0,12	0,16

3.3.1.2 Strip

See Table 4

Table 4

Dimensions in millimetres

Thickness	Tolerances ($\pm$) for a width:		
	$b \leq 125$	$125 < b \leq 250$	$250 < b \leq 600$
$a \leq 0,1$	0,01	–	–
$0,1 < a \leq 0,3$	0,02	–	–
$0,3 < a \leq 0,4$	0,03	0,03	0,03
$0,4 < a \leq 0,5$	0,03	0,03	0,04
$0,5 < a \leq 0,6$	0,03	0,04	0,04
$0,6 < a \leq 0,8$	0,04	0,05	0,05
$0,8 < a \leq 1,0$	0,04	0,05	0,05
$1,0 < a \leq 1,4$	–	0,06	0,07
$1,4 < a \leq 2,0$	–	0,07	0,08
$2,0 < a \leq 2,5$	–	0,08	0,09

3.3.2 Width

3.3.2.1 Sheet

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See Table 5.

Table 5

Dimensions in millimetres

Width	Tolerances
$b \leq 2\,000$	+2 0