

**Aerospace series – Sheets, hot rolled in
titanium and titanium alloys –
Thickness $0,8 \text{ mm} \leq a \leq 6 \text{ mm}$ – Dimensions**

Europastandarden EN 2338:2001 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 2338:2001.

The European Standard EN 2338:2001 has the status of a Swedish Standard. This document contains the official English version of EN 2338:2001.

Dokumentet består av 7 sidor.

Upplysningar om **sakinnehållet** i standarden lämnas av SIS, Swedish Standards Institute, tel 08 - 555 520 00.

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Telefon: 08 - 555 523 10. *Telefax:* 08 - 555 523 11
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2338

September 2001

ICS 49.025.30

English version

Aerospace series - Sheets, hot rolled in titanium and titanium alloys - Thickness $0,8 \text{ mm} \leq a \leq 6 \text{ mm}$ - Dimensions

Série aéronautique - Tôles, laminées à chaud en titane et alliages de titane - Epaisseurs $0,8 \text{ mm} \leq a \leq 6 \text{ mm}$ - Dimensions

Luft- und Raumfahrt - Bleche, warmgewalzt aus Titan und Titanlegierungen - Dicken $0,8 \text{ mm} \leq a \leq 6 \text{ mm}$ - Maße

This European Standard was approved by CEN on 2 May 2001.

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 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 Management Centre has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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 AECMA, 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 2002, and conflicting national standards shall be withdrawn at the latest by March 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

0 Introduction

This standard is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

1 Scope

This standard specifies the dimensions and tolerances of:

Sheets, hot rolled
in titanium and titanium alloys
Thickness $0,8 \text{ mm} \leq a \leq 6 \text{ mm}$

for aerospace applications.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 3848 Aerospace series - Semi-finished metallic products - Method of measuring form deviations

EN 4258 Aerospace series - Metallic materials - General organization of standardization - Links between types of EN standards and their use

3 Form

See figure 1.

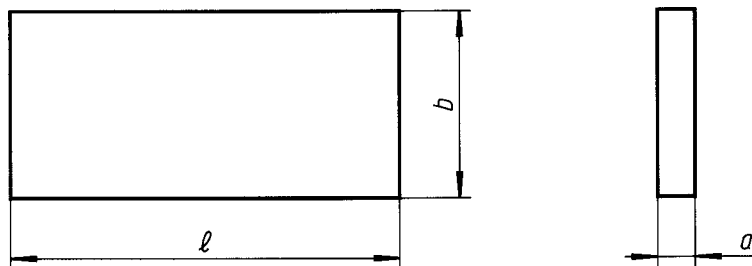


Figure 1

4 Recommended dimensions and mass

See table 1.

Table 1

Nominal <i>a</i> mm	Typical format <i>b</i> × <i>l</i> mm × mm	Mass per unit area ^a kg/m ²
0,8	1 000 × 2 000	3,60
1,0	1 000 × 2 000	4,50
1,2	1 000 × 2 000	5,40
1,4	1 000 × 2 000	6,30
1,6	1 000 × 2 000	7,20
1,8	1 000 × 2 000	8,10
2,0	1 000 × 2 000	9,00
2,5	1 000 × 2 000	11,25
3,0	1 000 × 2 000	13,50
3,2	1 000 × 2 000	14,40
4,0	1 000 × 2 000	18,00
5,0	1 000 × 2 000	22,50
6,0	1 000 × 2 000	27,00

^a For information, calculated with a density of 4,5 kg/dm³

5 Tolerances

5.1 Dimensional tolerances

5.1.1 Thickness

See table 2.

Measurements shall be taken at least 12 mm from the edge.

Table 2

Dimensions in millimetres

Thickness	Tolerances for width:	
	<i>b</i> ≤ 1 000	<i>b</i> > 1 000
0,8 ≤ <i>a</i> ≤ 1,2	± 0,13	To be agreed between manufacturer and purchaser
1,2 < <i>a</i> ≤ 1,6	± 0,15	
1,6 < <i>a</i> ≤ 2,0	± 0,18	
2,0 < <i>a</i> ≤ 2,5	± 0,23	
2,5 < <i>a</i> ≤ 3,0	± 0,25	
3,0 < <i>a</i> ≤ 4,0	± 0,35	
4,0 < <i>a</i> ≤ 5,0	± 0,40	
5,0 < <i>a</i> ≤ 6,0	+ 2 0	