



**NSAI**  
Standards

Irish Standard  
I.S. EN 6025:2021&LC:2021

Aerospace series - Plates - Aluminium  
alloy 2024 - Close tolerances flatness -  
Thickness -  $6 \text{ mm} < a \leq 55 \text{ mm}$  -  
Dimensions

**I.S. EN 6025:2021&LC:2021**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

*Published:*

*This document was published  
under the authority of the NSAI  
and comes into effect on:*

2021-05-11

ICS number:

49.025.20

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 6025:2021&LC:2021 is the adopted Irish version of the European Document EN 6025:2021, Aerospace series - Plates - Aluminium alloy 2024 - Close tolerances flatness - Thickness - 6 mm < a ≤ 55 mm - Dimensions

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

## Correction Notice

**Reference:** EN 6025:2021

**Title:** Aerospace series - Plates - Aluminium alloy 2024 - Close tolerances flatness - Thickness -  $6 \text{ mm} < a \leq 55 \text{ mm}$  - Dimensions

**Work Item:** 04001871

Brussels, 2021-04-07

**Please include the following minor editorial correction(s) in the document related to:**

the following language version(s) :

- ☒ English
- ☒ French
- ☐ German

for the following procedure :

- ☐ PQ/UQ
- ☐ Enquiry
- ☐ 2nd Enquiry
- ☐ Parallel Enquiry
- ☐ 2<sup>nd</sup> Parallel Enquiry
- ☐ Formal Vote
- ☐ 2<sup>nd</sup> Formal Vote
- ☐ Parallel Formal Vote
- ☐ 2<sup>nd</sup> Parallel Formal Vote
- ☐ UAP
- ☐ TC Approval
- ☐ 2<sup>nd</sup> TC Approval
- ☒ Publication
- ☐ Parallel Publication

---

It has been brought to our attention that this document, issued on 2021-03-10, requires modification.

Incorrect symbol in title, replaced  $6 \text{ mm} \leq a \leq 55 \text{ mm}$  with  $6 \text{ mm} < a \leq 55 \text{ mm}$

Please find enclosed the updated English and French version.

We apologise for any inconvenience this may cause.

*This page is intentionally left BLANK.*

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 6025**

March 2021

ICS 49.025.20

English Version

**Aerospace series - Plates - Aluminium alloy 2024 - Close  
tolerances flatness - Thickness -  $6\text{ mm} < a \leq 55\text{ mm}$  -  
Dimensions**

Série aérospatiale - Plaques - Alliage d'aluminium 2024  
- Tolérances serrées de planéité - Épaisseur -  $6\text{ mm} < a$   
 $\leq 55\text{ mm}$  - Dimensions

Luft- und Raumfahrt - Platten - Aluminiumlegierung  
2024 - Enge Ebenheitstoleranzen - Dicken -  $6\text{ mm} < a \leq$   
 $55\text{ mm}$  - Maße

This European Standard was approved by CEN on 17 February 2020.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, 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**

<b>Contents</b>	<b>Page</b>
<b>European foreword .....</b>	<b>3</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references.....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>4</b>
<b>4 Form.....</b>	<b>4</b>
<b>5 Recommended dimensions and mass .....</b>	<b>5</b>
<b>6 Tolerances .....</b>	<b>5</b>
<b>7 Material .....</b>	<b>8</b>
<b>8 Designation .....</b>	<b>9</b>
<b>9 Technical specification .....</b>	<b>9</b>



## **European foreword**

This document (EN 6025:2021) 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 document 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 September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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 document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## EN 6025:2021 (E)

## 1 Scope

This document specifies the dimensions and tolerances of plates in aluminium alloy 2024 with close-tolerance flatness, thickness  $6 \text{ mm} < a \leq 55 \text{ mm}$ , for aerospace applications.

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

EN 6000, *Aerospace series — Aluminium alloy AL-P2024- T351 — Plate —  $6 \text{ mm} < a \leq 55 \text{ mm}$  — Close-tolerance flatness*<sup>1)</sup>

EN 6071, *Aerospace series — Aluminium and aluminium alloy wrought products — Technical specification — Plate*<sup>1)</sup>

## 3 Terms and definitions

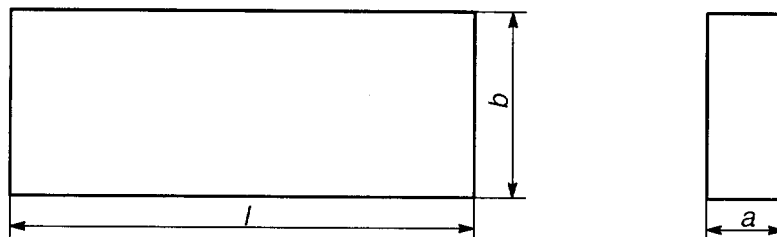
No terms and definitions are provided in this document.

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

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

## 4 Form

See Figure 1.



### Key

<i>a</i>	Thickness
<i>b</i>	Width
<i>l</i>	Length

**Figure 1 — Dimensions of a plate**

<sup>1)</sup> Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence industries Association of Europe - Standardization (ASD-STAN), <http://www.asd-stan.org/>

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-