BS ISO 6361-4:2014

BSI Standards Publication

Wrought aluminium and aluminium alloys — Sheets, strips and plates

Part 4: Sheets and plates: Tolerances on shape and dimensions

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National foreword

This British Standard is the UK implementation of ISO 6361-4:2014.

The UK participation in its preparation was entrusted to Technical Committee NFE/35, Light metals and their alloys.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

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INTERNATIONAL STANDARD

ISO 6361-4

Third edition
2014-09-15

Wrought aluminium and aluminium alloys — Sheets, strips and plates —

Part 4: Sheets and plates: Tolerances on shape and dimensions

Aluminium et alliages d'aluminium corroyés — Tôles, bandes et tôles épaisses —

Partie 4: Tôles et tôles épaisses: Tolérances sur forme et dimensions

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Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Dimensional tolerances **1**
3.1 Thickness 1
3.2 Width 5
3.3 Length 6

4 Shape tolerances **7**
4.1 Lateral curvature 7
4.2 Flatness tolerances 7
4.3 Squareness tolerances 10

Bibliography **12**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 79, *Light metals and their alloys*, Subcommittee SC 6, *Wrought aluminium and aluminium alloys*.

This third edition cancels and replaces the second edition (ISO 6361-4:2011), which has been technically revised.

ISO 6361 consists of the following parts, under the general title *Wrought aluminium and aluminium alloys — Sheets, strips and plates*:

— *Part 1: Technical conditions for inspection and delivery*

— *Part 2: Mechanical properties*

— *Part 3: Strips: Tolerances on shape and dimensions*

— *Part 4: Sheets and plates: Tolerances on shape and dimensions*

— *Part 5: Chemical composition*

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INTERNATIONAL STANDARD ISO 6361-4:2014(E)

Wrought aluminium and aluminium alloys — Sheets, strips and plates —

Part 4: Sheets and plates: Tolerances on shape and dimensions

1 Scope

This part of ISO 6361 specifies the tolerances on shape and dimensions for wrought aluminium and aluminium alloy sheet and plate by hot-rolling or cold-rolling for general engineering applications.

It applies to products with a thickness over 0,15 mm up to and including 203 mm.

It does not apply to semi-finished rolled products in coiled form to be subjected to further rolling (reroll stock) or to special products, such as those that are corrugated or embossed.

Technical conditions for inspection and delivery of products covered by this part of ISO 6361 are specified in ISO 6361-1.

2 Normative references

No normative references cited in this document.

3 Dimensional tolerances

3.1 Thickness

Thickness tolerances for a cold-rolled product are specified in Table 1 and Table 2.

Thickness tolerances for a hot-rolled product are specified in Table 3 and Table 4.

When the tolerance is specified as either all plus or minus side, the value in Table 1, Table 2, Table 3, or Table 4 shall be doubled.

Tolerances for the products exceeding the range of specified thickness and width shall be agreed upon between the purchaser and the supplier.

Table 1 — Thickness tolerances for cold-rolled product

Dimensions in millimetres

Specified thickness		Alloy number 1050, 1050A, 1070, 1070A,1080, 1080A, 1085, 1100, 1100A, 1200, 1230A, 3003, 3103, 3203, 3005, 3105, 4006, 4007, 4015, 5005, 5010, 5110A, 5050, 8011A, 8021, 8079					
		Specified width					
Over	Up to and including	Up to and including 450	Over 450, up to and including 900	Over 900, up to and including 1 400	Over 1 400, up to and including 1 800	Over 1 800, up to and including 2 300	Over 2 300, up to and including 2 600
		Tolerance					
≥0,15	0,20	±0,03	±0,03	±0,05			

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