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

Part 2:
Mechanical properties

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

Partie 2: Propriétés mécaniques



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6361-2 was prepared by Technical Committee 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 6361-2:1990), 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*

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

Part 2: Mechanical properties

1 Scope

In conjunction with ISO 6361-1, this part of ISO 6361 specifies the mechanical properties of wrought aluminium and aluminium alloy sheets, strips and plates for general engineering applications.

It applies to flat-rolled products.

The chemical composition of these materials is given in ISO 6361-5.

The designations of aluminium and aluminium alloys and the temper designations used in this part of ISO 6361 are in accordance with ISO 2107.

NOTE In certain countries, for purposes of mechanical properties, the thickness limit can be lowered to 0,15 mm by agreement between the purchaser and the supplier, in the case of sheets and strips.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 2107, *Aluminium and aluminium alloys — Wrought products — Temper designations*

ISO 6361-1:2011, *Wrought aluminium and aluminium alloys — Sheets, strips and plates — Part 1: Technical conditions for inspection and delivery*

ISO 6361-5:2011, *Wrought aluminium and aluminium alloys — Sheets, strips and plates — Part 5: Chemical composition*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6361-1 apply.

4 Tensile testing

For the selection of the specimens and tensile testing, see ISO 6361-1.

5 Bend testing

For the selection of the specimens and bend testing, see ISO 6361-1.