
**Wrought aluminium and aluminium
alloys — Extruded rods/bars, tubes and
profiles —**

Part 3:
**Extruded rectangular bars — Tolerances
on shape and dimensions**

*Aluminium et alliages d'aluminium corroyés — Barres, tubes et
profilés filés —*

Partie 3: Barres rectangulaires filées — Tolérances sur forme et dimensions



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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 6362-3 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 6362-3:2001), which has been technically revised.

ISO 6362 consists of the following parts, under the general title *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles*:

- *Part 1: Technical conditions for inspection and delivery*
- *Part 2: Mechanical properties*
- *Part 3: Extruded rectangular bars — Tolerances on shape and dimensions*
- *Part 4: Profiles — Tolerances on shape and dimensions*
- *Part 5: Round, square and hexagonal bars — Tolerances on shape and dimensions*
- *Part 6: Round, square, rectangular and hexagonal tubes — Tolerances on shape and dimensions*
- *Part 7: Chemical composition*

Wrought aluminium and aluminium alloys — Extruded rods/ bars, tubes and profiles —

Part 3: Extruded rectangular bars — Tolerances on shape and dimensions

1 Scope

This part of ISO 6362 specifies the tolerances on dimensions and shape of wrought aluminium and aluminium alloy extruded rectangular bars, having thicknesses in the range from 2 mm up to 240 mm and widths in the range from 10 mm up to 600 mm.

It applies to extruded rectangular bars.

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 6362-1, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 1: Technical conditions for inspection and delivery*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6362-1 apply.

4 Materials

For the purposes of this part of ISO 6362, wrought aluminium and aluminium alloys are divided into two groups, which correspond to varying difficulty when manufacturing the products.

The division into Group I and Group II of the most commonly used general engineering alloys is specified in Table 1.

Grouping of other alloys is subject to agreement between the purchaser and supplier.

Table 1 — Alloy group

Group I	1070, 1070A, 1060, 1050, 1050A, 1350, 1100, 1200
	3102, 3003, 3103
	5005, 5005A, 5051A, 5251
	6101, 6101A, 6101B, 6005, 6005A, 6005C, 6110A, 6012, 6018, 6023, 6351, 6060, 6360, 6061, 6261, 6262, 6262A, 6063, 6063A, 6463, 6065, 6081, 6082, 6182
Group II	2007, 2011, 2011A, 2014, 2014A, 2017, 2017A, 2024, 2030
	5019, 5049, 5052, 5154A, 5454, 5754, 5056, 5083, 5086
	7003, 7204, 7005, 7108, 7108A, 7020, 7021, 7022, 7049A, 7050, 7075

NOTE The four-digit numbers listed are taken from the Registration of International Alloy Designations and Chemical Composition Limits for Wrought Aluminium Alloys, published by the Aluminum Association, 1525 Wilson Boulevard, Suite 600, Arlington, VA 22209, USA (known as "Teal Sheets").