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

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

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

Partie 1: Conditions techniques de contrôle et de livraison





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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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document 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 6362-1:2012), which has been technically revised. The main changes are as follows:

- JIS H1305 has been added as an option for the chemical composition analysis method;
- errors have been corrected and expressions modified throughout.

A list of all parts in the ISO 6362 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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

Part 1: Technical conditions for inspection and delivery

1 Scope

This document specifies the technical conditions for inspection and delivery of wrought aluminium and aluminium alloy rods/bars, tubes and profiles for general engineering applications.

It is applicable to extruded products, but does not apply to the following:

- forging stock;
- extruded precision profiles in alloys A6060 and A6063;
- products delivered in coils;
- coiled tubes cut to lengths.

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.

ISO 6362-2, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 2: Mechanical properties*

ISO 6362-3, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 3: Tolerances on form and dimensions for extruded rectangular bars*

ISO 6362-4, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 4: Tolerances on form and dimensions for profiles*

ISO 6362-5, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 5: Tolerances on form and dimensions for round, square and hexagonal bars*

ISO 6362-6, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 6: Tolerances on form and dimensions for round, square, rectangular and hexagonal tubes*

ISO 6362-7, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 7: Chemical composition*

ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

ISO 7438, *Metallic materials — Bend test*

ISO 9591, *Corrosion of aluminium alloys — Determination of resistance to stress corrosion cracking*

EN 2004-1, *Aerospace series — Test methods for aluminium and aluminium alloy products — Part 1: Determination of electrical conductivity of wrought aluminium alloys*