
**Wrought aluminium and aluminium
alloys — Cold-drawn rods/bars, tubes
and wires —**

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

*Aluminium et alliages d'aluminium corroyés — Barres, tubes et fils
étirés à froid —*

Partie 1: Conditions techniques de contrôle et de livraison





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Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Orders or tenders.....	4
5 Requirements.....	5
5.1 Production and manufacturing processes.....	5
5.2 Quality control.....	6
5.3 Chemical composition.....	6
5.4 Mechanical properties.....	6
5.5 Freedom from surface defects.....	6
5.6 Tolerances on dimensions and form.....	6
5.7 Stress corrosion cracking resistance.....	6
5.8 Additional requirements.....	6
6 Test procedure.....	7
6.1 Sampling.....	7
6.1.1 Samples for chemical analysis.....	7
6.1.2 Specimens for mechanical testing.....	7
6.1.3 Test pieces for tensile test.....	8
6.2 Test methods.....	8
6.2.1 Chemical composition limits.....	8
6.2.2 Tensile testing.....	8
6.2.3 Measurement of dimensions.....	8
6.2.4 Surface finish.....	8
6.2.5 Resistance to stress corrosion cracking.....	9
6.2.6 Additional tests.....	9
6.3 Retests.....	9
6.3.1 Mechanical properties.....	9
6.3.2 Other properties.....	9
7 Inspection documents.....	9
8 Marking.....	10
9 Packing.....	10
10 Arbitration.....	10
Annex A (normative) Location of test pieces.....	11
Annex B (normative) Resistance to stress-corrosion cracking for alloy 7075 in tempers T73, T73510 and T73511 — Electrical conductivity.....	14

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 6363-1:2012), 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 6363 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 — Cold-drawn rods/bars, tubes and wires —

Part 1: Technical conditions for inspection and delivery

1 Scope

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

It is applicable to products which are extruded and then cold drawn.

It does not apply to:

- products which are rolled and then cold drawn, including seam-welded tubes;
- forging stock, wire for drawing stock;
- drawn wires for aeronautical application, electrical or welding purposes.

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

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

ISO 6363-2, *Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 2: Mechanical properties*

ISO 6363-3, *Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 3: Tolerances on form and dimensions for drawn rods/bars and wires*

ISO 6363-4, *Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 4: Tolerances on form and dimensions for drawn rectangular bars and wires*

ISO 6363-5, *Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 5: Tolerances on form and dimensions for drawn square and hexagonal bars and wires*

ISO 6363-6, *Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 6: Tolerances on form and dimensions for drawn round tubes*

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

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*