International Standard 6362/1

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Wrought aluminium and aluminium alloys extruded rods/bars, tubes and profiles — Part 1: Technical conditions for inspection and delivery

Barres, tubes et profilés filés en aluminium et alliages d'aluminium corroyés — 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6362/1 was prepared by Technical Committee ISO/TC 79, *Light metals and their alloys.*

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Wrought aluminium and aluminium alloys extruded rods/bars, tubes and profiles — Part 1: Technical conditions for inspection and delivery

1 Scope and field of application

This part of ISO 6362 specifies the technical conditions for inspection and delivery of wrought aluminium and aluminium alloy rods/bars, tubes and profiles for general engineering applications.

It applies to extruded products.

2 References

ISO/R 209, *Composition of wrought products of aluminium and aluminium alloys — Chemical composition (per cent).*[1]

ISO 2142, *Wrought aluminium, magnesium and their alloys — Selection of specimens and test pieces for mechanical testing.*

ISO 3134/3, *Light metals and their alloys — Terms and definitions — Part 3: Wrought products.*

ISO 6362, *Wrought aluminium and aluminium alloys extruded rods/bars, tubes and profiles*

— *Part 2: Mechanical properties.*

— *Part 3: Rectangular bars — Dimension and form tolerances.*

— *Part 4: Extruded profiles — Dimension and form tolerances.*

— *Part 5: Extruded round bars — Dimension and form tolerances.*[2]

ISO 6892, *Metallic materials — Tensile testing.*

3 Definitions

For definitions of the terms *rod/bar*, *tube* and *profile*, see ISO 3134/3.

For definitions of the terms *inspection lot*, *specimen*, *test piece* and *test*, see ISO 2142.

4 Orders or tenders

The order or tender shall define the product required and shall contain the following details:

a) the type and form of product:

— the designation of the aluminium or aluminium alloy,

— the form of the product (rod/bar, tube, profile, etc.);

b) the metallurgical temper of the material for delivery (degree of hardness or heat treatment condition) and, if different, the metallurgical temper for use;

c) the number of this International Standard or specification number, or, where none exists, the properties agreed between the supplier and the purchaser;

d) the dimensions and shape of the product (thickness, width, length, diameter) and/or reference to a drawing defining the product;

e) tolerances of the dimensions and form, with reference to the appropriate International Standard;

f) quantity;

g) any requirements for certificates of conformity, test and/or analysis;

h) any special requirements agreed between the supplier and the purchaser.

5 Requirements

5.1 Production and manufacturing processes

Unless otherwise specified in the order, the production and manufacturing processes shall be left to the discretion of the producer. Unless it is explicitly stated otherwise in the order, no obligation shall be placed on the producer to use the same processes for subsequent and similar orders.

1) Under revision.

2) Actually published as ISO 7273.