
**Aluminium and aluminium alloys —
Alloyed ingots for remelting —
Specifications**

*Aluminium et alliages d'aluminium — Lingots pour refusion en
aluminium allié — Spécifications*



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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.

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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.

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Aluminium and aluminium alloys — Alloyed ingots for remelting — Specifications

1 Scope

This International Standard defines the requirements for grades of alloyed aluminium ingots intended for remelting.

It specifies the classifications and designations applicable to these grades, the conditions in which they are produced, their properties and the required identification marking.

This International Standard does not address the issue of radioactivity.

Certain elements, such as Pb, Hg, Co and Cd, may be subject to restrictions.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

alloying element

metallic or non-metallic element whose content lies within specific upper and lower limits for the purpose of giving the resulting alloy specific properties

2.2

impurity

metallic or non-metallic element present but which is not intentionally added to a base metal and for which no lower limit is specified

2.3

casting alloy

alloy primarily intended for the production of castings

2.4

ingot for remelting

metal cast into a form suitable for remelting, which has been processed, as appropriate, to adjust the chemical composition and to control certain metallic or non-metallic impurities

2.5

casting

general term for products at or near finished shape, formed by solidification of a metal or alloy in a mould

2.6

melt

quantity of liquid metal that has simultaneously undergone the same preparatory treatment in the furnace before the casting operation