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**INTERNATIONAL STANDARD**



**3752**

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## **Zinc alloy ingots — Selection and preparation of samples for chemical analysis**

*Alliages de zinc en lingots — Prélèvement et préparation des échantillons pour l'analyse chimique*

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**Descriptors** : zinc alloys, ingots, chemical analysis, sampling, test specimen conditioning.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

International Standard ISO 3752 was drawn up by Technical Committee ISO/TC 18, *Zinc and zinc alloys*, and was circulated to the Member Bodies in June 1975.

It has been approved by the Member Bodies of the following countries :

Australia	France	Poland
Austria	Germany	Romania
Belgium	India	South Africa, Rep. of
Brazil	Ireland	Spain
Bulgaria	Italy	Turkey
Canada*	Japan	United Kingdom
Czechoslovakia	Mexico	U.S.S.R.
Egypt, Arab Rep. of	Norway	Yugoslavia

\* Canada approved the International Standard with the exception of clause 4.

No Member Body expressed disapproval of the document.

# Zinc alloy ingots – Selection and preparation of samples for chemical analysis

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the requirements for the selection and preparation of samples for chemical analysis.

It covers only the selection and preparation of samples from zinc alloy ingots. Alternatively, the interested parties may agree to select samples of zinc alloys in the liquid state during production.

## 2 REFERENCE

ISO/R 301, *Zinc alloy ingots*.

## 3 SELECTION OF INGOTS

### 3.1 General

**3.1.1** The samples shall be selected from batches, each batch being composed of ingots of the same composition, as specified in clause 3 of ISO/R 301.

**3.1.2** Following agreement between the interested parties, each consignment may be divided into a series of batches, provided that they contain not less than 5 t. Any consignment of less than 5 t shall be regarded as a single batch.

### 3.2 Procedure

**3.2.1** From each batch of ingots select, at random, one ingot from every 50. The number of ingots selected shall be not less than five.

NOTE – When the consignment is made up of less than five ingots, all shall be used in making the selection.

**3.2.2** Carefully clean the surface of each ingot selected, to remove all dirt. Apply the consignee's mark by means of a die-stamp.