
INTERNATIONAL STANDARD



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Magnesium alloy sand castings – Reference test bar

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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 2377 was drawn up by Technical Committee ISO/TC 79, *Light metals and their alloys*.

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It was approved in August 1971 by the Member Bodies of the following countries:

ISO 2377:1972

Austria	Norway	Thailand
Belgium	Poland	Turkey
Canada	Portugal	United Kingdom
Egypt, Arab Rep. of	Romania	U.S.A.
India	South Africa, Rep. of	U.S.S.R.
Israel	Sweden	
Italy	Switzerland	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds:

France
Germany
Japan

Magnesium alloy sand castings – Reference test bar

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions and method of production of reference test bars for magnesium alloy sand castings.

These test bars are intended, after separation of the risers and the gates, to be tested without being machined.

2 DIMENSIONS AND METHOD OF PRODUCTION

2.1 The Figure below shows the dimensions of a mould pattern which allows the casting of a set of four reference test bars.

2.2 Alternatively, test bars of not less than 13 mm diameter which may be machined to not less than 11.3 mm diameter may be used for reference purposes.

2.3 Both of the types of test bar mentioned above shall be cast in groups of four entirely in sand moulds, without any form of additional chilling.

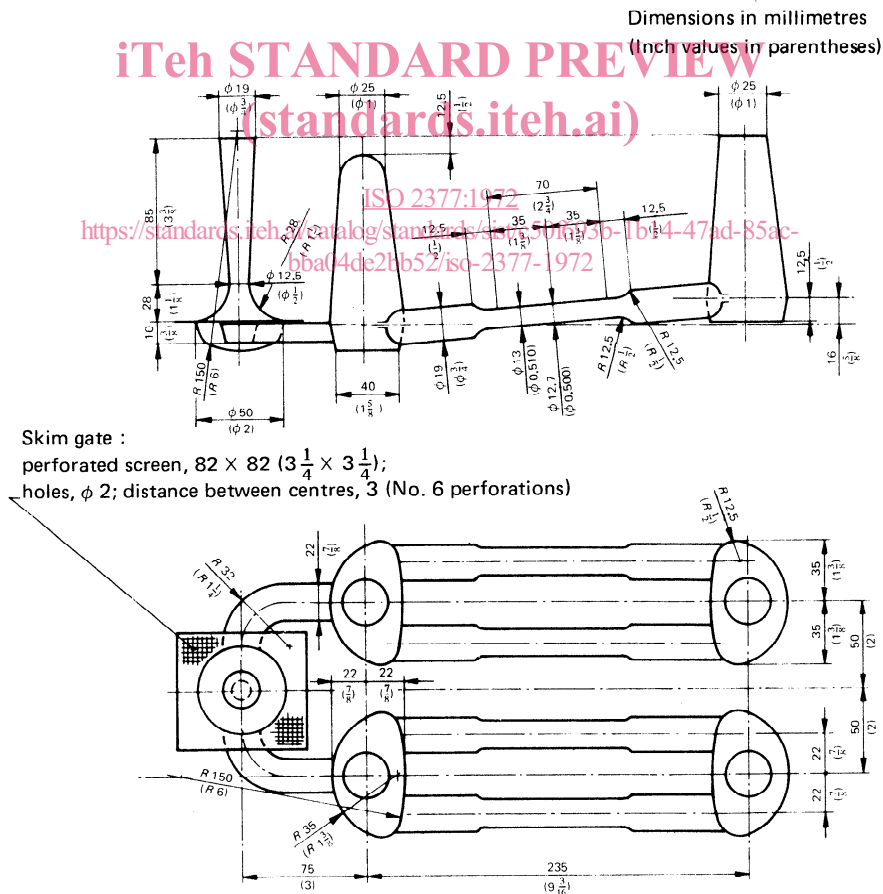


FIGURE – Mould pattern for set of four reference test bars

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