
Corrosion-resistant cast steels for general applications

Aciers moulés résistant à la corrosion pour applications courantes



Foreword

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1 Scope

This International Standard specifies cast steels for general corrosion-resistant applications. The grades covered by this International Standard represent types of alloy steel castings suitable for broad ranges of application which are intended for a wide variety of corrosion applications.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4990:1986, *Steel castings — General technical delivery conditions*.

3 General conditions for delivery

Materials furnished according to this International Standard shall conform to the applicable requirements of ISO 4990 including the supplementary requirements that are indicated on the inquiry and purchase order.

4 Chemical composition

The steel shall conform to the requirements for chemical composition specified in table 1.

5 Mechanical properties

Steel used for castings shall conform to the mechanical property requirements given in table 2 up to the maximum ruling thickness. Verification of impact tests are not required except when indicated by the customer. Test coupons used to verify mechanical properties shall not have a thickness exceeding 150 mm. For pieces removed from castings, the mechanical properties required shall be agreed between the manufacturer and purchaser.

6 Heat treatment

Castings shall be heat treated in accordance with the requirements in table 3.