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**JIS G 5121** : 2003

(JSCFA/JSA)

**Corrosion-resistant cast steels for  
general applications**

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ICS 77.140.20; 77.140.80

Reference number : JIS G 5121 : 2003 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by Steel Castings and Forgings Association of Japan (JSCFA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS G 5121 : 1991** is replaced with this Standard.

In order to conform to the International Standard, this revision has been prepared based on **ISO 11972 : 1998** *Corrosion-resistant cast steels for general applications*.

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Technical Committee on Iron and Steel

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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## Corrosion-resistant cast steels for general applications

**Introduction** This Japanese Industrial Standard has been prepared based on the corresponding portions (general conditions for delivery and applicable supplementary requirements) of the first edition of **ISO 11972 Corrosion-resistant cast steels for general applications** published in 1998 without modifying the technical contents. The some items not specified in the original International Standard have been additionally contained herein as Japanese Industrial Standard.

The portions with continuous sidelines or dotted underlines in this Standard are the items not included in the original International Standard. The table of modification is shown as Annex (informative) with their explanations.

**1 Scope** This Standard specifies cast steels for general corrosion-resistant applications (including centrifugal cast steel pipes, hereafter referred to as “steel castings”).

Remarks : The International Standard corresponding to this Standard is as follows:

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are **IDT** (identical), **MOD** (modified), and **NEQ** (not equivalent) according to **ISO/IEC Guide 21**.

ISO 11972 : 1998 *Corrosion-resistant cast steels for general applications* (MOD)

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) shall be applied.

JIS G 0307 *Steel castings—General technical delivery requirements*

Remarks : **ISO 4990** : 1986 *Steel castings—General technical delivery requirements* is equivalent to the said standard.

JIS G 1211 *Iron and steel—Methods for determination of carbon content*

JIS G 1212 *Iron and steel—Methods for determination of silicon content*

JIS G 1213 *Iron and steel—Methods for determination of manganese content*

JIS G 1214 *Iron and steel—Methods for determination of phosphorus content*

JIS G 1215 *Iron and steel—Methods for determination of sulfur content*

JIS G 1216 *Iron and steel—Methods for determination of nickel content*

JIS G 1217 *Methods for determination of chromium in iron and steel*

JIS G 1218 *Iron and steel—Methods for determination of molybdenum content*

JIS G 1219 *Iron and steel—Methods for determination of copper content*

JIS G 1228 *Iron and steel—Methods for determination of nitrogen content*