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(JSCFA/JSA)

**Heat-resistant cast steels and
alloys for general applications**

ICS 77.140.20; 77.140.80

Reference number : JIS G 5122 : 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 5122 : 1991** is replaced with this Standard.

In order to conform to the International Standard, this revision has been prepared based on **ISO 11973 : 1999** *Heat-resistant cast steels and alloys for general applications*.

Date of Establishment: 1956-05-25

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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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Heat-resistant cast steels and alloys for general applications

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 11973** *Heat-resistant cast steels and alloys for general applications* published in 1999 with some modifications of technical contents.

The portions with continuous sidelines or dotted underlines in this Standard are items modified the original International Standard. The table of modifications is shown as Annex (informative) with their explanations.

1 Scope This Standard specifies heat-resistant cast steels and alloys (including centrifugal cast steel pipes, hereafter referred to as “cast materials”).

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 11973 : 1999 *Heat-resistant cast steels and alloys 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 0567 *Method of elevated temperature tensile test for steels and heat-resisting alloys*

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 1220 *Iron and steel—Methods for determination of tungsten content*

JIS G 1222 *Iron and steel—Methods for determination of cobalt content*

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