



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 0585 : 2002
(JSCFA/JSA)

**Radiographic inspection for
steel castings**

ICS 19.100; 77.140.80

Reference number : JIS G 0585 : 2002 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from the Steel Castings and Forgings Association of Japan (JSCFA)/ the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Date of Establishment: 2002-03-20

Date of Public Notice in Official Gazette: 2002-03-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Iron and Steel

JIS G 0585:2002, First English edition published in 2003-03

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

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Printed in Japan

Radiographic inspection for steel castings

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 4993** *Steel castings—Radiographic inspection* published in 1987 with some modifications of the technical contents.

The portions with sidelines are the matters not stated in the original International Standard.

Comparison table between **JIS G 0585** and **ISO 4993** is given in Annex.

1 Scope This Standard specifies the general requirements for the radiography of steel castings by means of X rays or gamma rays in accordance with procedures given in **JIS G 0581** and **JIS Z 2306**.

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 4993 : 1987 *Steel castings—Radiographic inspection* (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) indicated below shall be applied.

JIS G 0581 *Methods of radiographic examination for steel castings*

Remarks : **ISO 5579** : 1998 *Non-destructive testing—Radiographic examination of metallic materials by X- and gamma rays—Basic rules* is equivalent to the said standard.

JIS Z 2306 *Radiographic image quality indicators for non-destructive testing*

Remarks : **ISO 1027** : 1983 *Radiographic image quality indicators for non-destructive testing—Principles and identification* is equivalent to the said standard.

ASTM E 186 *Standard Reference Radiographs for Heavy-Walled [2 to 4½-in. (51 to 114 mm)] Steel Castings*

ASTM E 192 *Standard Reference Radiographs for Investment Steel Castings of Aerospace Applications*

ASTM E 280 *Standard Reference Radiographs for Heavy-Walled [4½ to 12-in. (114 to 305 mm)] Steel Castings*

ASTM E 446 *Standard Reference Radiographs for Steel Casting Up to 2 in. (51 mm) in Thickness*