



JAPANESE
INDUSTRIAL
STANDARD

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Japanese Standards Association

JIS G 5525 : 2000

**Cast-iron drainage pipes and
fittings**

ICS 77.140.75; 77.140.80

Descriptors : cast-iron, soil stacks, discharge stacks, pipe fittings, fluid equipment

Reference number : JIS G 5525 : 2000 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS G 5525 : 1975** is replaced with **JIS G 5525 : 2000**.

Moreover, for the purpose of assuring the safety of products more highly, concerning a part of the requirements in this Standard, the specified values and performance items in the standard before revised have been continuously adopted.

Date of Establishment: 1959-10-01

Date of Revision: 2000-03-20

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Investigated by: Japanese Industrial Standards Committee
Divisional Council 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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Cast-iron drainage pipes and fittings

Introduction For this Japanese Industrial Standard, there is the first edition of **ISO 6594** *Cast iron drainage pipes and fittings—Spigot series* published in 1983, as the International Standard, however, the jointing systems between **JIS** and **ISO** are quite different, and Japan is subjected to frequent earthquakes, the correspondence of production facilities is insufficient, and so on. The conformity of **JIS** to **ISO** is not carried out at the time of this revision because of such circumstances.

1 Scope This Standard specifies the cast-iron drainage pipes and fittings (hereafter referred to as “pipes”) used for the piping of gravitational soil flowing, miscellaneous drainage, rain water and ventilation.

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

ISO 6594 : 1983 *Cast iron drainage pipes and fittings—Spigot series*

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 indicated below shall be applied.

JIS B 0202 *Parallel pipe threads*

JIS G 1201 *Iron and steel—General rules for analytical methods*

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 1253 *Iron and steel—Method for spark discharge*

JIS G 1256 *Iron and steel—Method for X-ray fluorescence spectrometric analysis*

JIS G 1257 *Iron and steel—Methods for atomic absorption spectrometric analysis*

JIS G 5501 *Grey iron castings*

JIS Z 2201 *Test pieces for tensile test for metallic materials*

JIS Z 2241 *Method of tensile test for metallic materials*

3 Definitions For the main terms used in this Standard, the definitions shall be as follows:

- a) **straight pipes** The straight pipes which are the main unit of piping and have the socket for jointing.
- b) **fittings** The joints for cast-iron drainage pipes to be used for the purposes such as jointing, changing the course, collecting, reaming, connecting to different kind of pipe and closing of end.
- c) **mechanical type jointing** The jointing form in which pipes are inserted in a socket and, the socket and thrust flange are tightened through a rubber ring by using bolt and nut.