

JIS

JAPANESE INDUSTRIAL STANDARD

Steel castings for high temperature and high pressure service

JIS G 5151—1991

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

www.hkpolytechnic.edu.hk

JAPANESE INDUSTRIAL STANDARD

J I S

Steel castings for high temperature and high
pressure service

G 5151-1991

1. Scope

This Japanese Industrial Standard specifies steel castings for high pressure parts, such as valves, flanges, and casings, to be used at high temperatures, hereafter referred to as steel castings.

Remarks: The following Standards are cited in this Standard:

JIS G 0307-Steel Castings-General Technical Requirements

JIS G 1211-Methods for Determination of Carbon in Iron and Steel

JIS G 1212-Methods for Determination of Silicon in Iron and Steel

JIS G 1213-Methods for Determination of Manganese in Iron and
SteelJIS G 1214-Methods for Determination of Phosphorus in Iron and
Steel

JIS G 1215-Methods for Determination of Sulfur in Iron and Steel

JIS G 1216-Methods for Determination of Nickel in Iron and Steel

JIS G 1217-Methods for Determination of Chromium in Iron and
SteelJIS G 1218-Methods for Determination of Molybdenum in Iron and
Steel

JIS G 1219-Methods for Determination of Copper in Iron and Steel

JIS G 1220-Methods for Determination of Tungsten in Iron and
SteelJIS G 1221-Methods for Determination of Vanadium in Iron and
SteelJIS G 1253-Method for Photoelectric Emission Spectrochemical
Analysis of Iron and SteelJIS G 1256-Method for X-Ray Fluorescence Spectrometric
Analysis of Iron and SteelJIS G 1257-Methods for Atomic Absorption Spectrochemical Analysis
of Iron and SteelJIS G 1258-Methods for Inductively Coupled Plasma Emission Spectro-
chemical Analysis of Steel2. Classes

The classes of steel castings shall be in accordance with Table 1.