

JIS

JAPANESE INDUSTRIAL STANDARD

Carbon and Alloy Steel Forgings for Pressure Vessels for Low-Temperature Service

JIS G 3205—1988

Translated and Published

by

Japanese Standards Association

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

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Carbon and Alloy Steel Forgings for Pressure Vessels for Low-Temperature Service G 3205-1988

1. Scope

This Japanese Industrial Standard specifies the carbon and alloy steel forgings imparted a high weldability, hereinafter referred to as the "forgings", to be used for the manufacture of pressure vessels and their components for low temperature service.

Remark: The units and numerical values given in { } in this Standard are based on the International System of Units (SI) and are appended for informative reference.

Further, the traditional units accompanied by numerical values in this Standard shall be converted to the SI units and numerical values on Jan. 1, 1991.

2. Class Symbols

The class symbols of the forgings shall be as shown in Table 1.

Table 1. Class Symbols

Class Symbol
SFL 1
SFL 2
SFL 3

3. Chemical Composition

The forgings shall be tested in accordance with 9.3 and the resulting chemical composition shall be as specified below:

- (1) The chemical composition of the forgings shall be determined by ladle analysis, and the values obtained shall conform to Table 2.
- (2) In the case where product analysis is performed on the forgings at the request of the purchaser, the permissible variance shall be as specified in Table 1, Table 2 or Table 3.

Applicable Standards: See page 6.