

JIS

JAPANESE INDUSTRIAL STANDARD

**Low thermal expansive
Fe-alloy castings**

JIS G 5511—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.

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Low thermal expansive Fe-alloy castings

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1. Scope

This Japanese Industrial Standard specifies the low thermal expansive Fe-alloy castings, hereafter referred to as the "castings", having a mean coefficient of linear expansion of $7.0 \times 10^{-6}/^{\circ}\text{C}$ or less within the range of 50 to 100°C .

Remarks: The applicable standards of this Standard are given as follows:

JIS B 0407-Permissible Deviations in Dimensions without Tolerance
Indication for Iron Castings

JIS B 0412-Permissible Deviations in Dimensions without Tolerance
Indication for Steel Castings

JIS G 5101-Carbon Steel Castings

JIS G 5501-Gray Iron Castings

JIS G 5502-Spheroidal Graphite Iron Castings

JIS Z 2241-Method of Tensile Test for Metallic Materials

JIS Z 8401-Rules for Rounding off of Numerical Values

2. Symbol of Grade and Classification

The symbol of grade and classification of the castings shall be as given in Table 1.

Table 1. Symbol of Grade and Classification

Symbol of grade	Classification
SCLE1	Steel castings series
SCLE2	
SCLE3	
SCLE4	
FCLE1	Gray iron castings series
FCLE2	
FCLE3	
FCLE4	
FCDLE1	Spheroidal graphite iron castings series
FCDLE2	
FCDLE3	
FCDLE4	