

JIS

JAPANESE INDUSTRIAL STANDARD

Hard Lead Castings

JIS H 5601—1990

Translated and Published

by

Japanese Standards Association

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

JAPANESE INDUSTRIAL STANDARD

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Hard lead castings

H 5601-1990

1. Scope

This Japanese Industrial Standard specifies the hard lead castings (hereafter referred to as the "castings") to be used mainly in chemical industry.

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 and numerical values shall be replaced by the SI units and the relevant converted values given in Annex on January 1, 1991.

2. Classification

The castings shall be classified into two classes according to chemical composition, as given in Table 1.

Table 1. Classification

Class	Symbol
Class 8	HPbC 8
Class 10	HPbC 10

3. Quality

The quality of the castings shall be as follows:

- (1) The castings shall be uniform in quality and free from harmful flaws or blow-holes.
- (2) The chemical composition and mechanical properties (tensile strength, elongation and hardness) of the castings shall conform to Table 2.

Table 2. Chemical Composition and Mechanical Properties
(Applicable till the end of 1990)

Class	Chemical composition %					Tension test		Hardness test Hs (10/100)
	Pb	Sb	Cu	Sn	Bi and other impurities	Tensile strength kgf/mm ² {N/mm ² }	Elongation	
Class 8	Re- mainder	7.5 to 8.5	0.20 max.	0.50 max.	0.10 max.	5.0 {49} min.	20 min.	14.0 min.
Class 10	Re- mainder	9.5 to 10.5	0.20 max.	0.50 max.	0.10 max.	5.1 {50} min.	19 min.	14.5 min.

Applicable Standards: See page 6.