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**Precious brazing filler metals
for vacuum service**

ICS 25.160.20

Descriptors : brazing alloys, filler metal, vacuum devices, precious stones, group Ib
metals, transition metals

Reference number : JIS Z 3268 : 1998 (E)



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Z 3268 : 1998

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 Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 3268 : 1988** is replaced with **JIS Z 3268 : 1998**.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
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Precious brazing filler metals for vacuum service

Introduction

This Japanese Industrial Standard is the revised version of JIS Z 3268 : 1988 *Vacuum grade precious brazing filler metals*, after taking the contents of the second edition of ISO 3677 *Filler metal for soft soldering, brazing and braze welding—Designation* issued in 1992 into account. In addition to the items specified in the JIS, “Designation and Symbols” specified in ISO 3677 are adopted and coordinated without changing the technical contents.

1 Scope This Japanese Industrial Standard specifies the precious brazing filler metals for vacuum service mainly used for electronic tubes, high vacuum device and equipment, etc. and hereinafter it is referred to as the “brazing filler metals”.

2 Normative reference The following standards are referred to this Standard and constitute part of this Standard. The latest versions of those standards shall be applied.

JIS H 0321 *General rules for inspection of non-ferrous metal materials*

JIS Z 3900 *Methods for sampling of precious brazing filler metals*

JIS Z 3901 *Methods for chemical analysis of silver brazing filler metals*

JIS Z 3904 *Methods for chemical analysis of gold brazing filler metals*

JIS Z 3906 *Methods for chemical analysis of palladium brazing filler metals*

3 Classification

a) The brazing filler metals shall be classified into 15 classes on the basis of their chemical composition as shown in Table 1.