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JIS H 4701 : 2001

(JSNM/JSA)

Tantalum flat mill products, rod and wire

ICS 77.120.99

Descriptors : tantalum, bars (materials), boards, strips, foil, wires, rolling

Reference number : JIS H 4701 : 2001 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Society of Newer Metals (JSNM)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS H 4701 : 1989** is replaced with this Standard.

Points in this revision are as follows:

- 1 The hydrogen reference value in the chemical composition is lowered.
- 2 The molybdenum reference value in the chemical composition is established.
- 3 The specification of the strain of plate is established.
- 4 The new part of the chemical analysis test method is adopted.

Date of Establishment: 1969-02-01

Date of Revision: 2001-01-20

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Investigated by: Japanese Industrial Standards Committee
Divisional Council on Non-Ferrous Metals

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Tantalum flat mill products, rod and wire

1 Scope This Japanese Industrial Standard specifies the tantalum plate, strip, foil, rod and wire (hereafter referred to as “flat mill products”).

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

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

JIS H 1680 *General rules for chemical analysis of tantalum*

JIS H 1681 *Method for determination of carbon in tantalum*

JIS H 1682 *Method for determination of silicon in tantalum*

JIS H 1685 *Method for determination of nitrogen in tantalum*

JIS H 1695 *Method for determination of oxygen in tantalum*

JIS H 1696 *Method for determination of hydrogen in tantalum*

JIS H 1699 *Methods for ICP emission spectrometric analysis of tantalum*

JIS Z 2201 *Test pieces for tensile test for metallic materials*

JIS Z 2241 *Method of tensile test for metallic materials*

JIS Z 8401 *Guide to the rounding of numbers*

3 Classification and symbols The flat mill products shall be classified into five classes as given in Table 1 according to their shapes.

Table 1 Classification

Classification	Symbol
Plate	TaP
Strip	TaR
Foil	TaH
Rod	TaB
Wire	TaW

4 Quality The quality shall be as follows.

4.1 The flat mill products shall have no flaws or other defects detrimental to use.

4.2 The chemical composition of the flat mill products shall be as specified in Table 2.