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Titanium and titanium alloys—Bars

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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 Titanium Society (JTS)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS H 4650**:2012 is replaced with this Standard.

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Titanium and titanium alloys—Bars

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1 Scope

This Japanese Industrial Standard specifies bars of titanium and titanium alloys (hereafter referred to as "bars"). It is applicable to bars with square, rectangular and regular hexagonal sections as well as those with circular section. Bars with rectangular section, to which this Standard applies, have a thickness exceeding one-tenth of the width.

2 Normative references

The following standards contain provisions which, through reference in this text, 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 1610 Titanium and titanium alloys—Sampling methods
- JIS H 1612 Methods for determination of nitrogen in titanium and titanium alloys
- JIS H 1614 Methods for determination of iron in titanium and titanium alloys
- JIS H 1617 Methods for determination of carbon in titanium and titanium alloys
- JIS H 1619 Titanium and titanium alloys—Determination of hydrogen content
- JIS H 1620 Methods for determination of oxygen in titanium and titanium alloys
- JIS H 1621 Methods for determination of palladium in titanium alloys
- JIS H 1622 Titanium alloys—Methods for determination of aluminium
- JIS H 1624 Titanium alloys—Method for determination of vanadium
- JIS H 1625 Titanium alloy—Method for determination of lanthanum, cerium, praseodymium and neodymium
- JIS H 1626 Titanium alloys—Methods for determination of sulfur
- JIS H 1630 Method for atomic emission spectrometric analysis of titanium
- JIS H 1631 Titanium alloys—Method for X-ray fluorescence spectrometric analysis
- JIS H 1632-2 Titanium—ICP atomic emission spectrometry—Part 2: Determination of palladium, manganese, iron, magnesium, silicon, aluminium, vanadium, nickel, chromium, tin, copper, molybdenum, zirconium, niobium, tantalum, cobalt and yttrium
- JIS H 4670 Titanium and titanium alloys—Wires
- JIS Z 2241 Metallic materials—Tensile testing—Method of test at room temperature
- JIS Z 2243 Brinell hardness test—Test method
- JIS Z 2244 Vickers hardness test—Test method