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JIS B 1167 : 2001

T-Slot nuts

ICS 21.060.20

Descriptors : tee nuts, steels

Reference number : JIS B 1167 : 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 in accordance with the Industrial Standardization Law. Consequently **JIS B 1167 : 1994** is replaced with **JIS B 1167 : 2001**.

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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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T-Slot nuts

Introduction This revision has been made for formal modification resulting from the revision of **JIS B 1052** on January 20, 1998 and the withdrawal of Annex 3 to **JIS B 1052** on December 31, 2000 to have resulted in the specification given in the Annex 2 to **JIS B 1181**.

1 Scope This Japanese Industrial Standard specifies the steel T-slot nuts (hereafter referred to as “nuts”) to be used in engagement with T-slots (**JIS B 0952**).

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 B 0101 *Screw threads and fasteners—Vocabulary*

JIS B 0205 *Metric coarse screw threads*

JIS B 0209 *Limits of sizes and tolerances for metric coarse screw threads*

JIS B 0601 *Surface roughness—Definitions and designation*

JIS B 0952 *Machine tool tables—T-slots and corresponding bolts*

JIS B 1042 *Fasteners—Surface discontinuities—Part 2 : Nuts*

JIS B 1071 *Method of verification for size and geometry of thread fasteners*

JIS B 1181 *Hexagon nuts and hexagon thin nuts*

3 Definitions For the purposes of this Standard the definitions given in **JIS B 0101** apply.

4 Grades The grades of nuts are classified into two grades of 6T and 8T according to the strength division in mechanical properties specified in 5. However, the grades for the nuts of designation of screw threads M42 or more are not specified.

5 Mechanical properties The mechanical properties of the nuts shall comply with the following:

- a) The mechanical properties of the nuts of designation of screw threads M36 or less shall be in accordance with the strength divisions 6T and 8T of mechanical properties specified in Annex 2 (mechanical properties of steel nuts of strength divisions 4T to 12T) to **JIS B 1181**. However, these strength divisions shall not be applied to those which are required to have weldability, corrosion resistance, thermal resistance at 300 °C or higher (250 °C or higher for free cutting steel) and cold resistance at -50 °C or lower.
- b) The mechanical properties of the nuts of designation of screw threads M42 or more shall be subject to agreement between the parties concerned.

6 Shapes and dimensions The shapes and dimensions of the nuts shall comply with Attached Table 1.