

JIS

JAPANESE INDUSTRIAL STANDARD

Cutter blocks for wood planing

JIS B 4711—1991

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Cutter blocks for wood planing

B 4711-1991

1. Scope

This Japanese Industrial Standard specifies the rotary cutter blocks for wood planing (hereafter referred to as the "cutter blocks") using flat planing knives.

Remarks 1. The applicable Standards to this Standard are given in the following.

JIS B 0601-Definitions and Designation of Surface Roughness

JIS B 0659-Roughness Comparison Specimens

JIS B 0905-Balance Quality Requirements of Rigid Rotors

JIS B 7507-Vernier Callipers

JIS B 7514-Steel Straightedges

JIS B 7516-Metal Rules

JIS B 7526-Squares

JIS B 7540-Vee Blocks

JIS B 7737-Balancing Machines

JIS G 4051-Carbon Steels for Machine Structural Use

2. The units and numerical values given in { } in this Standard are in accordance with the traditional units, and are appended for informative reference.

2. Definitions

For the purposes of this Standard the following definitions apply.

- (1) cutter block In a rotary cutter block for wood planing, that part to which flat planing knives are to be mounted. There is that has been mounted with a cutter head to a main spindle, or that has been integrated with a main spindle and a cutter head, and the cutter head consists of a cutter block body, back knife, knife retainer, clamping screw, etc.
- (2) tip end circle diameter The diameter of an imaginary circle which is described by the tip end of a flat planing knife mounted on the cutter block (see Table 2 and Table 4).
- (3) diagonal length The distance between the tip ends of back knife part in diagonal direction of a cubic block (see Table 4).

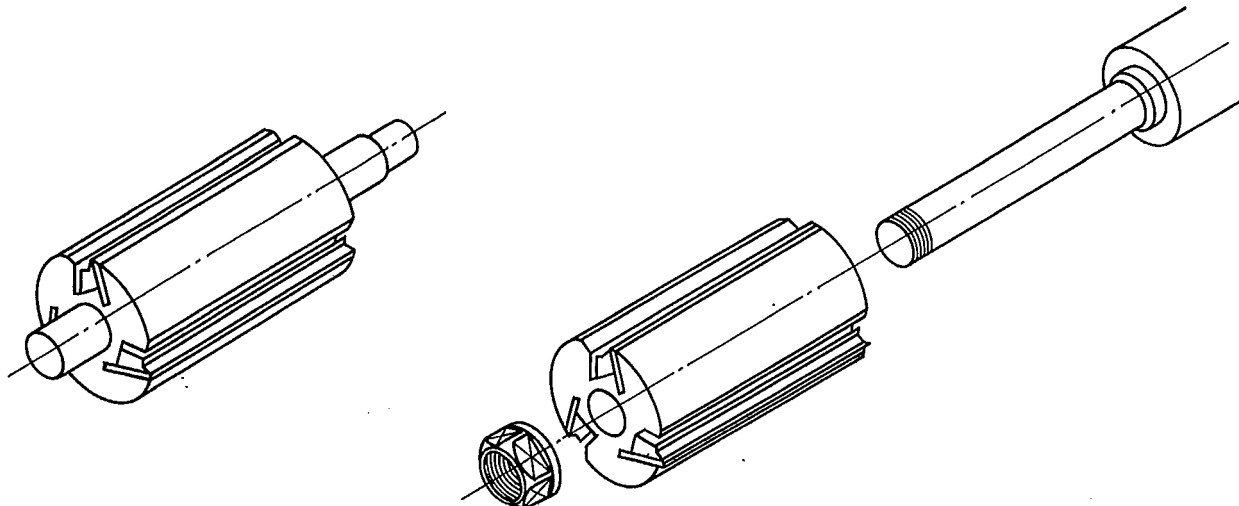
3. Types

The types of the cutter blocks shall be 6 types of the round block solid type, round block separated type and round block assembled type (hereafter referred to as the "round blocks"), and cubic block solid type, cubic block separated type and cubic block 2-knife type (hereafter referred to as the "cubic blocks") (see Fig. 1).

Fig. 1. Types

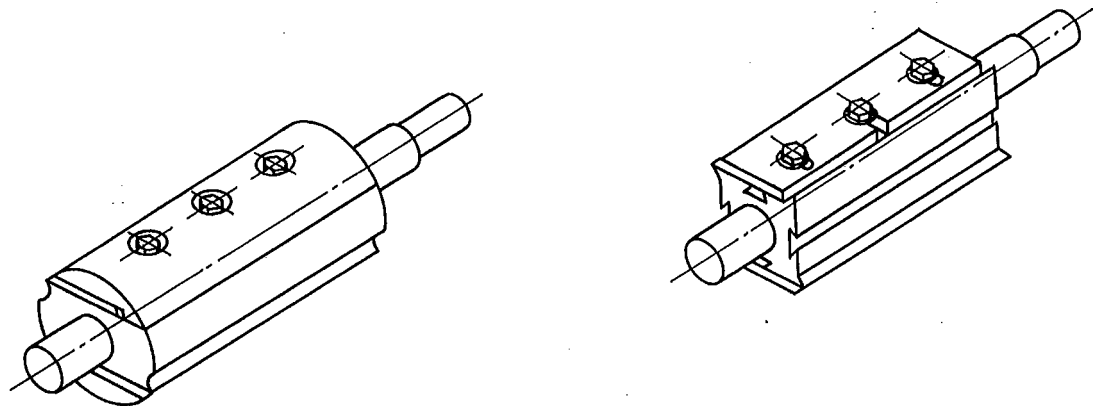
(1) Round block solid type

(2) Round block separated type



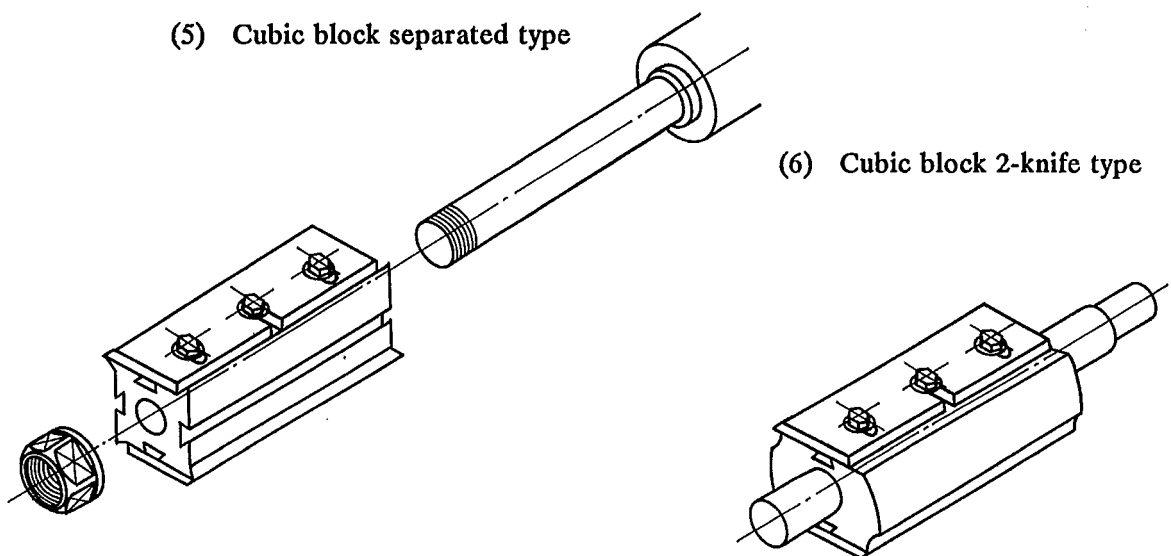
(4) Cubic block solid type

(3) Round block assembled type



(5) Cubic block separated type

(6) Cubic block 2-knife type



Remarks: Figures indicate examples respectively, but these do not specify constructions.