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Planer knives for woodworking machines

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In the event of any doubts arising as to the contents,
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Planer knives for woodworking machines

1 Scope This Japanese Industrial Standard specifies the planer knives to be used in the rotary planer bodies for woodworking machines (hereafter, referred to as “planer knives”).

Remarks: The following standards are cited in this Standard:

- JIS B 0601 *Surface roughness—Definitions and designation*
- JIS B 0651 *Surface texture—Instruments for the assessment of surface texture—Profile method*
- JIS B 7502 *Micrometer callipers*
- JIS B 7507 *Vernier, dial and digital callipers*
- JIS B 7514 *Steel straightedges*
- JIS B 7524 *Feeler gauges*
- JIS B 7726 *Rockwell and Rockwell superficial hardness testing machines*
- JIS B 7727 *Shore hardness testing machines*
- JIS G 3101 *Rolled steels for general structure*
- JIS G 4051 *Carbon steels for machine structural use*
- JIS G 4403 *High speed tool steels*
- JIS Z 2245 *Method of Rockwell and Rockwell superficial hardness test*
- JIS Z 2246 *Method of Shore hardness test*

2 Types and symbols The types and symbols of planer knives shall be classified as given in Table 1 according to the presence of setting hole.

Table 1 Types and symbols

Type	Symbol	Remarks
Type A	A	Those with setting holes
Type B	B	Those without setting holes

3 Quality

3.1 Appearance The surface of the planer knives shall be smooth in appearance, and be free from such defects as macro-streak-flaws, cracks, twists, ill adhesion, harmful burrs, rust and the like, and be excellent in finish.

3.2 Surface roughness The surface roughness of the rear face of planer knife, when measured in accordance with 6.1, shall be $0.8 \mu\text{m}R_a$ or under specified in **JIS B 0601**.

3.3 Hardness The hardness of the cutting metal part and the base metal part, when the test is carried out in accordance with 6.2, shall show the relevant values of Table 2.