

KES

Selection of Hard Metal Use

KES G – D051B

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1. Scope of application

This standard shall prescribe use & selection standard of hard metal for cutting tool which is generally used.

2. Classification

Use of hard metal is classified according to the following material to be cut, cutting type, work condition.

2.1 Classification according to material to be cut

- (1) Steel
- (2) Cast steel
- (3) Cast iron
- (4) Nonferrous metal
- (5) Nonmetallic material

2.2 Classification according to cutting type

- (1) Turning
- (2) Milling
- (3) Boring
- (4) Drilling
- (5) Broaching and reaming

2.3 Classification according to work condition

- (1) Cutting speed
- (2) Cutting area (Cutting depth × Transfer)
- (3) Other important work conditions