

JIS

JAPANESE INDUSTRIAL STANDARD

**Single point diamond
dressing tools**

JIS B 4134—1994

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by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority.**

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Single point diamond
dressing tools

B 4134-1994

1. Scope This Japanese Industrial Standard specifies the single point dressing tools (hereafter referred to as "dressers") to be used for the dressing of grinding wheels.

- Remarks
1. The single point diamond dressing tool means a shank on which one piece of unpolished diamond has been mounted.
 2. The standards cited in this Standard are given in the following:
JIS B 0401 System of limits and fits
JIS B 3301 Morse taper gauges
JIS B 4003 Morse taper shanks and sockets — Dimensional characteristics
JIS B 7502 Micrometer callipers
JIS B 7507 Vernier, dial and digital callipers
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 unit system, and are appended for informative reference.

2. Types The types of the dressers shall be classified according to the shape of shank and nominal stone size of diamond, and shall be in accordance with Table 1.

Table 1. Type of dressers

Shape of shank	Nominal stone size of diamond (in carats)
Straight shank type	$\frac{1}{20}$, $\frac{1}{10}$, $\frac{1}{7}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2
Headed shank type	
Taper shank type	

3. Shapes and dimensions The shapes and dimensions of the dressers shall be in accordance with Tables 2 to 4.