



## Diamond Compound

Wheel

Sintered  
Compact Tool

Electrolytic  
Deposition  
Tools

File



When super-hard Heat treated steel, ceramics, sapphire, a ruby, etc. were lapped, since it was weak in hardness, in the conventional abrasants, such as cerium oxide, Carborundum, and boron carbide, it was made difficult to acquire a highly precise finish side.



Diamond compound are a short time, so that they are not compared, and they are developed in order to obtain a more highly precise specular surface. It is what mixed base oil of a surface-active agent and a lapping compound in the shape of paste to a uniform diamond powder, and efficient performance is obtained at the time of use.

### Special feature

- Polish disposition top operating is excellent.
- The lubricity in finish is good.
- Distribution of diamond powder is constant.
- There is no precipitation separation of diamond powder.
- Operation efficiency can use it at best very economically.
- The detergent action after work can be performed simply.

### Direction

Please use career bodies, such as brass, aluminum, cast iron, glass, felt, wood, bamboo material, absorbent cotton, and polishing crossing.

- (1) The pretreatment of compound use should wash the workpiece surface completely.
- (2) Apply a compound to a career body with slight thinness 2 to 5 times with a diluted solution.
- (3) The career body should use a thing more elastic than a workpiece.
- (4) Please divide the career body clearly with a particle size.
- (5) Please wash by volatile things, such as ethanol, after use.

### Use

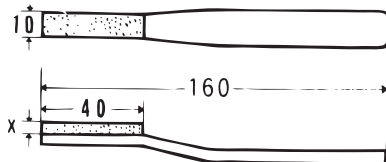
- Specular surface finish of a hard metal type, a heat-treated-steel type, a stainless steel type, etc.
- Finish of various dices, such as a cemented carbide die.
- Polish of glass, ceramics, sapphire, a ruby, etc.
- Wrapping of semiconductors, such as silicon and germanium.
- Wrapping of the various samples for metallurgical microscopes.
- In addition to this, it is metaled wrapping.

© All compounds are entering 5g. It is with a diluted solution.

A particle size and a use

Micron size	JIS Mesh size	Use
0 ~ 1 μ	#8,000 ~ 15,000	Specular surface finish
0 ~ 2	7,000	
1/2 ~ 3	6,000	Overly precision finish
1 1/2 ~ 3	5,000	
1 ~ 5	4,000	
2 ~ 6	3,000	
4 ~ 8	2,000	Precision finish
5 ~ 10	1,500	
6 ~ 12	1,200	
8 ~ 15	1,000	It usually finishes up
12 ~ 25	800	
16 ~ 25	700	
20 ~ 30	600	
20 ~ 40	500	Inside finish
30 ~ 40	400	
40 ~ 60	240	Rough finish

## Hand Stone



Standard dimension

1.0	240	M
	320 • 400 • 600	B
	800 • 1,000	