Gear grinding dresser

For gear

Metal honing stone

For gear

Vitrified CBN wheel

For gear and
shaft angular grinding

Vitrified CBN wheel

For gear internal grinding

EHWA

Diamond tools for

Automotive

gear·steering·brake

Vitrified CBN wheel
For CV joint

Rotary dresser
For CV joint

CBN segment
For brake disc

BSL & electroplated wheel
For brake pad

Gear grinding dresser

Workpiece

Gear grinding dresser

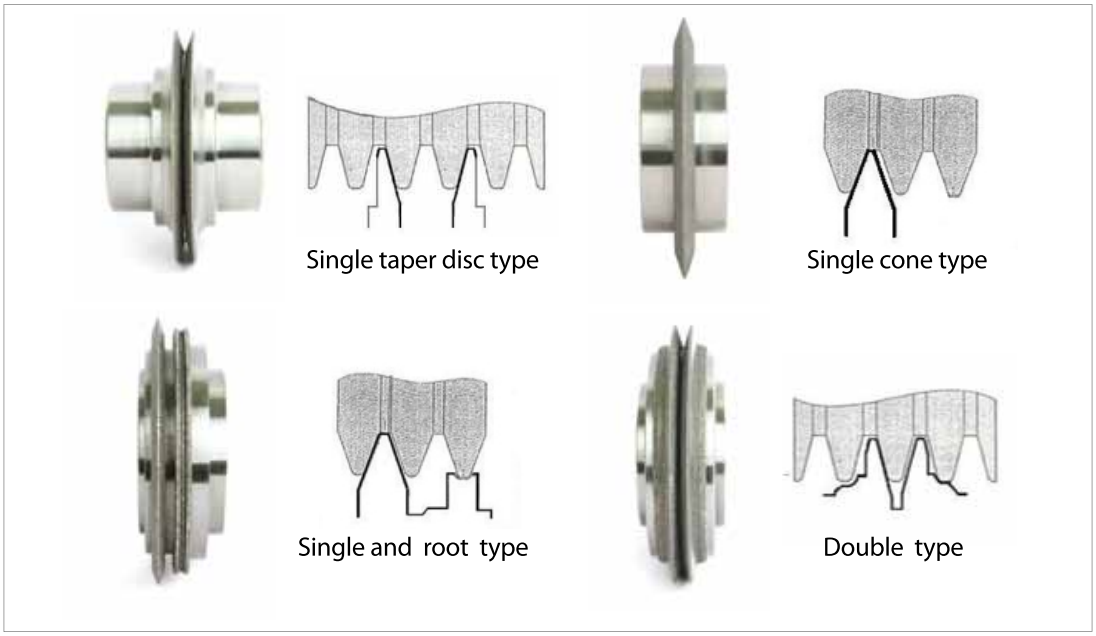
For dressing of worm wheel for gear grinding

| Advantages |

· Highly precise gear dresser due to strict raw material management

· Achieve the optimal gear profile with EHWA's precisely polished gear dresser

| Type of dresser |



Metal honing stone

Metal honing stone

For pinion gear, speed gear, sleeve gear, DCT gear, etc.

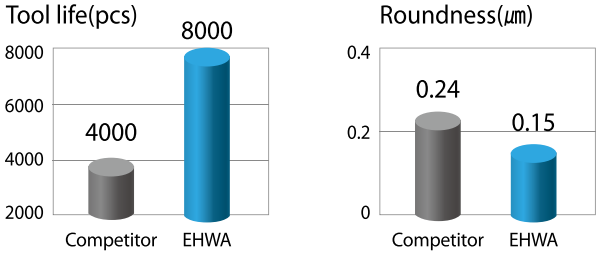
Pinion, speed, DCT gear

| Advantages |

· Longer tool life & cost saving
· Less grinding load
· Excellent roundness

Stone mesh	Bond modification
D181~D15	MB,MH, MS,MJ series

| Performance |



Synchro sleeve gear

| Advantages |

· Effective inner diameter honing of a sleeve gear
· Longer tool life and better precision than a competitor's product

Stone mesh	Bond modification
D76~D20	MB,MS series

Sleeve gear honing stone

Workpiece

Angular grinding

Vitrified CBN wheel

For angular grinding

| Advantages |

- Excellent grinding performance for gear component
- Longer dressing interval for cost saving and high production capacity
- High removal rate due to the free cutting capability
- Reduced cycle time
- Less mechanical & thermal damage to grinding surface

| Grinding condition |

- **Wheel speed** : 25 ~ 80 m/s
- **Removal amount** : 0.1 ~ 0.35mm D
- **Dressing amount** : 5㎛ ~ 30㎛
- **Dresser** : diamond rotary dresser
- **Spindle axle degree** : 15 ~ 30 ~ 45
- **Shank material** : steel , aluminum alloy

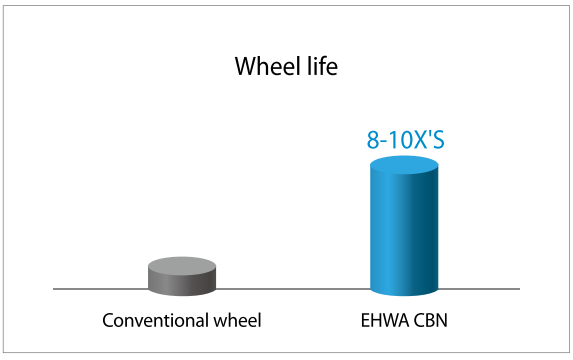
Internal grinding

CBN wheel

For internal grinding

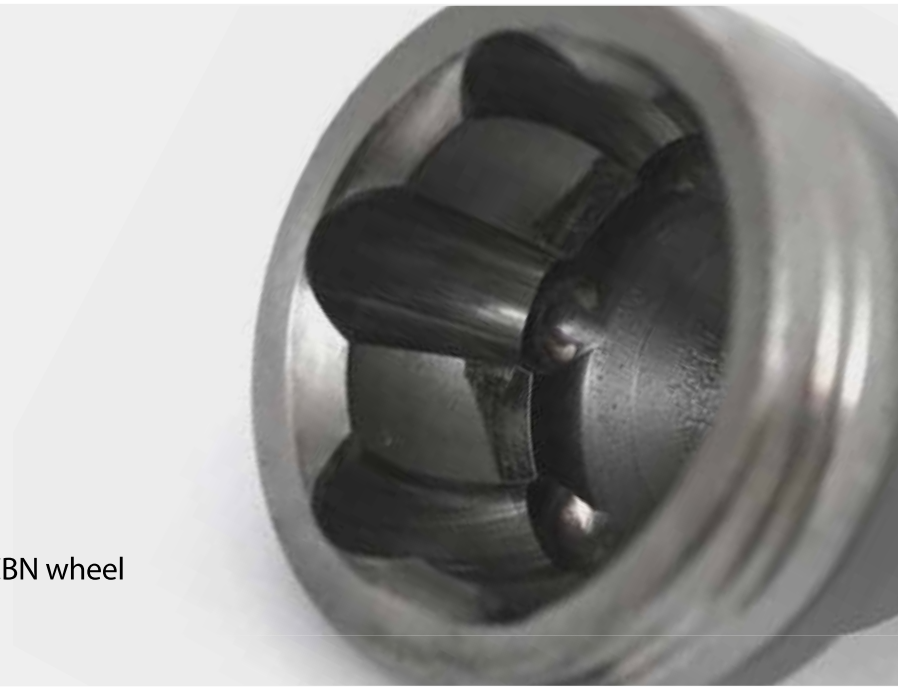
Advantages

- Excellent surface quality
- Longer wheel life and cost saving
- Faster setup of production line
- High stock removal rate



CV Joint grinding

Vitrified CBN wheel
For CV joint

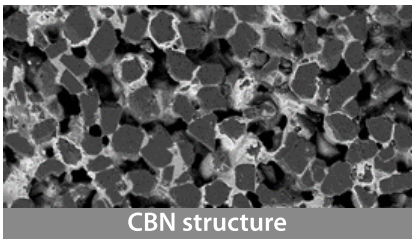


| Advantages |

· High stock removal for improved production capacity
· Outstanding surface quality with low heat and tight tolerance
· Longer dressing intervals & less wheel wear to reduce cost and improve consistency
· EHWA has specialized solution for cv joint part grinding

Cage window grinding

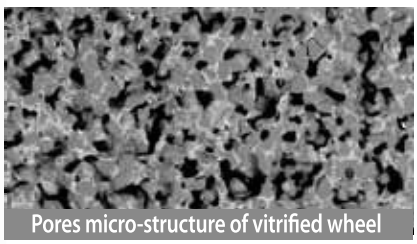
Standard specification
B126M180VBTM



CBN structure

Outer race grinding

Standard specification
B181M160VBTM



Pores micro-structure of vitrified wheel

CV Joint grinding rotary dresser

Rotary dresser
For CV joint

CV joint

Components that transmit the power of the engine delivered to the transmission to the wheels at constant speed.

Advantages

- Customized design
- Highly precise tolerance
- Outstanding grinding performance due to high diamond exposure

Inner race

Cage

Outer diameter of outer race

Automotive | brake disc

CBN segments

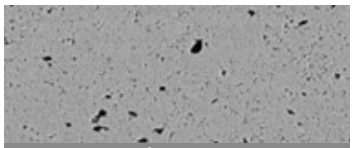
CBN segments
For brake disc

| Advantages |

· Longer tool life & cost saving
· Shorter cycle time due to high grinding speed

| Bond modification |

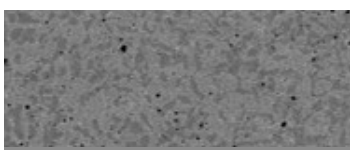
Workpiece
4WD (FC)



Scanning electron micrograp

· **Stone mesh** : D181~D54
· **Bond modification** : MH series

Workpiece
2WD (SUS)



Scanning electron micrograp

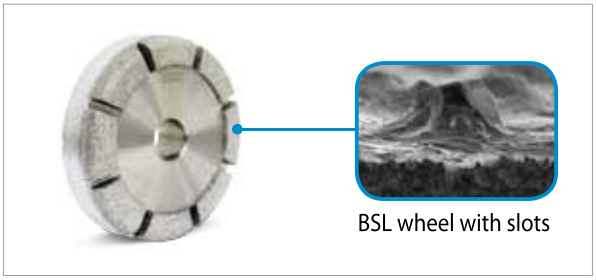
· **Stone mesh** : D181~D54
· **Bond modification** : MP series

BSL & Electroplated wheels

Workpiece : Brake pad

BSL & Electroplated wheels
For brake pad

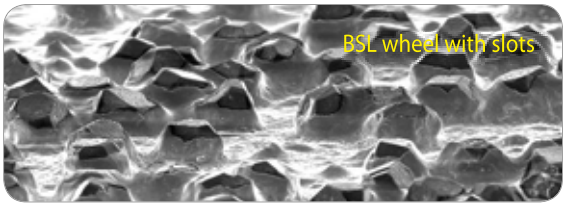
BSL wheel



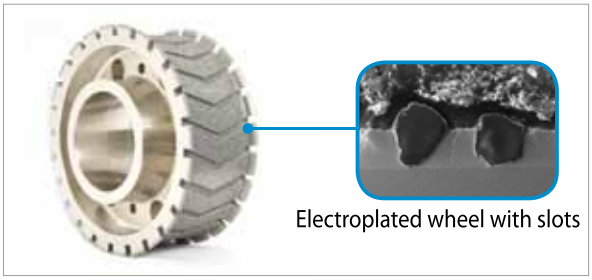
BSL wheel with slots

| Advantages |

- Excellent free cutting performance & easy chip flow due to high diamond exposure
- Longer wheel life than E/P wheels reduce cost



Electroplated wheel



Electroplated wheel with slots

| Advantages |

- Synchronized for chamfer, slot, and face grinding
- Available in various, complex designs
- Proper for various materials such as composites, ceramic and rubber
- Outstanding grinding performance
- Can be refurbished multiple times