SL. Carborundum™

Since 1973

Factory
99/9 Moo.1 Bang Nang Sub-District,
Phan Thong District,Chonburi 20160
Tel. (+66)38-156-803

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5/2 Moo.5 Lamlukka Road, Ladsawai Sub-District,
Lamlukka District, Pathumthani 12150
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SL. Carborundum (Thailand) Co ., Ltd.

www.slcarborundum.com

Standard Shapes

SL. Carborundum™ Since 1973

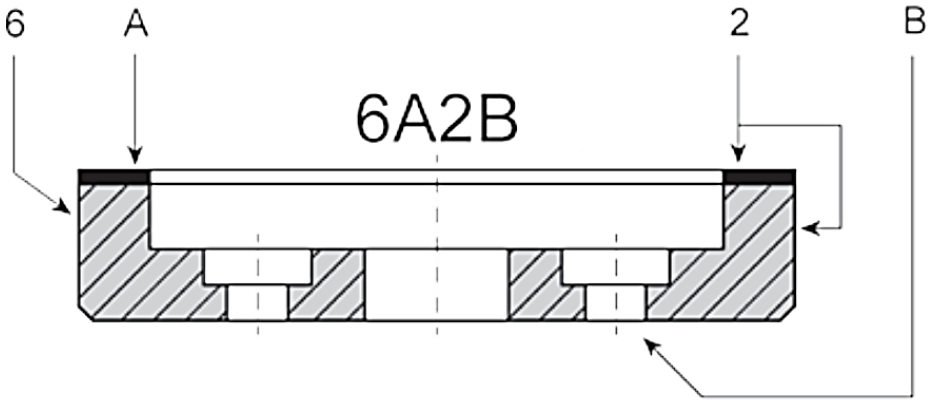
Indicating As Below:

1.Core shape

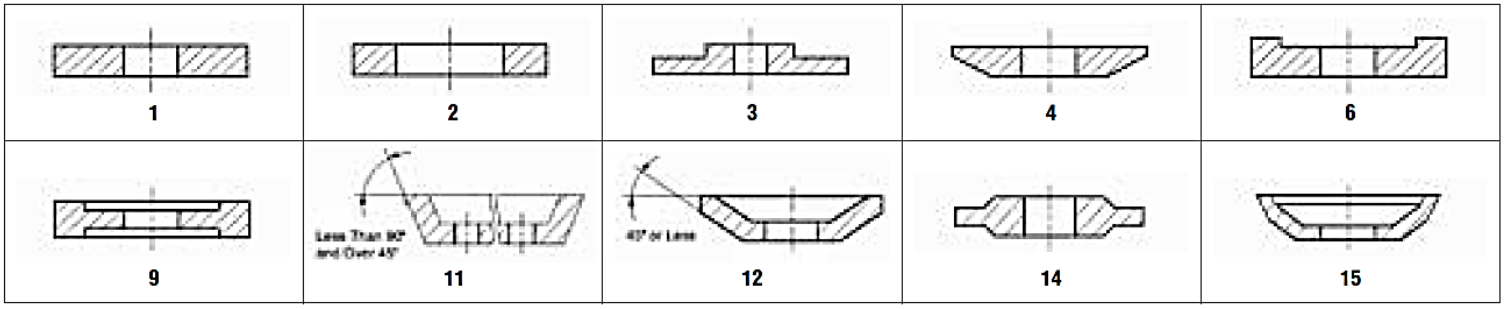
2. Shape of abrasive section

3. Location of abrasive section

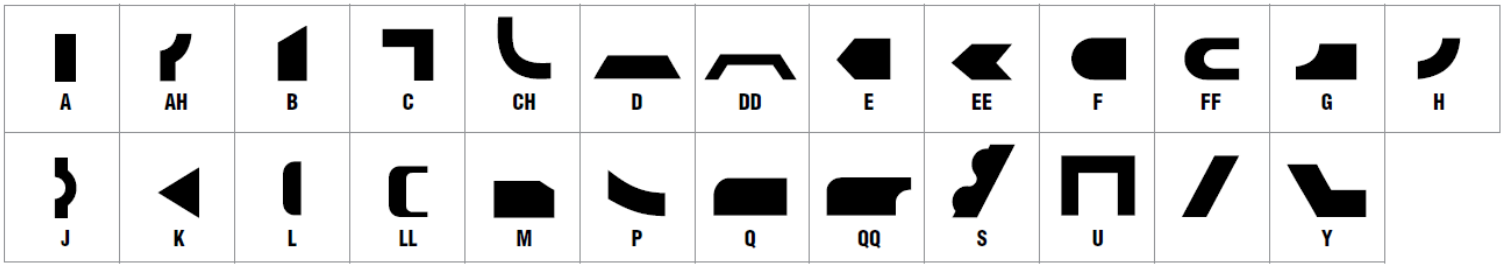
4. Modification



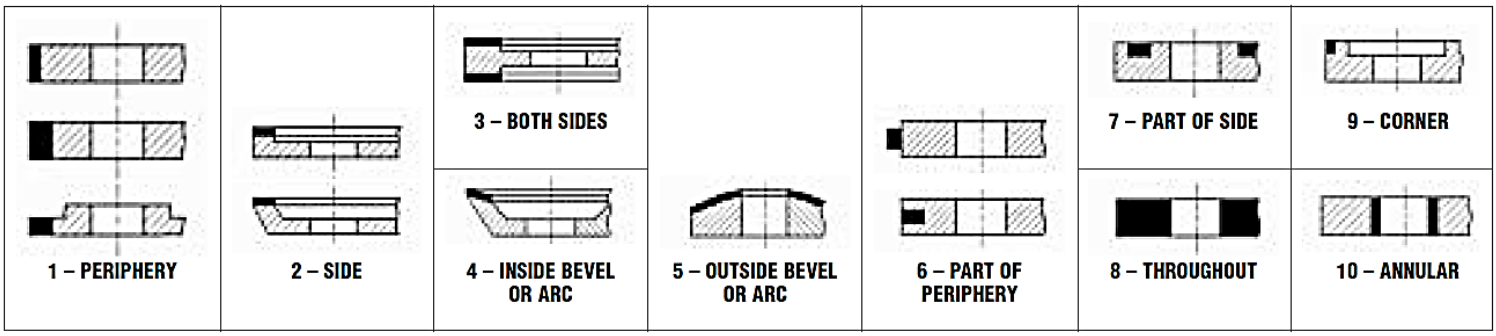
Basic Core Shapes



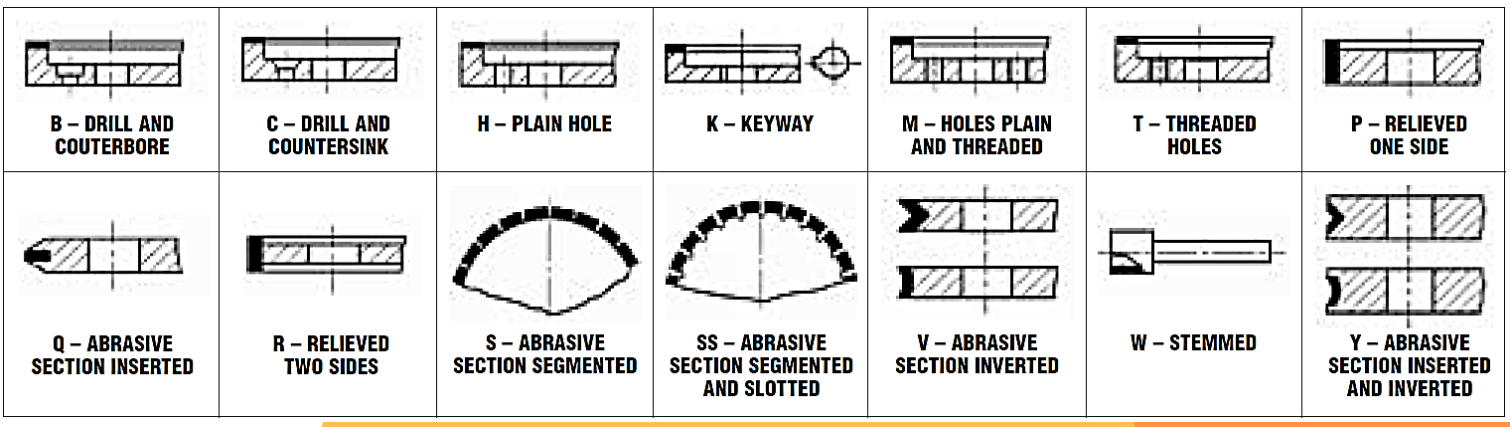
Shapes of Abrasive Cross Section



Location of Abrasive Section

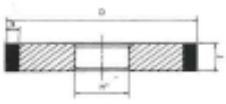
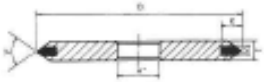
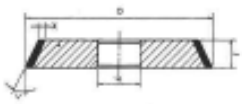
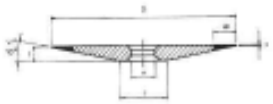
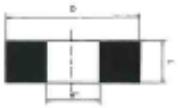
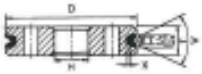
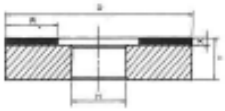
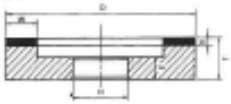
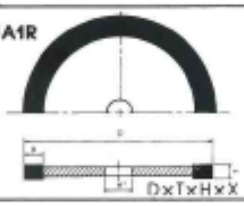
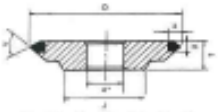
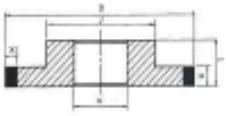
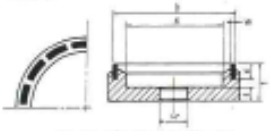
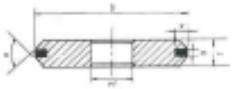
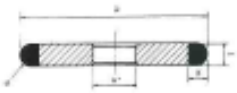
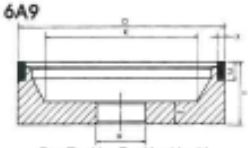
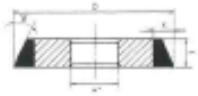
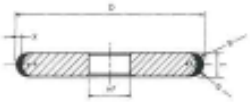
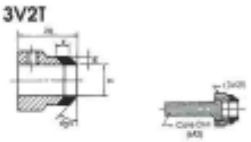
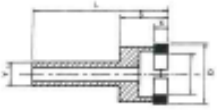
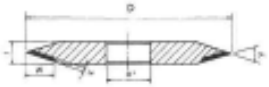
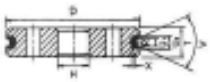
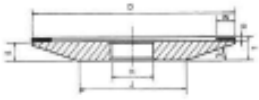
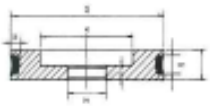
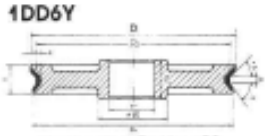
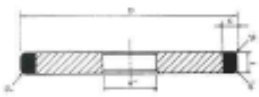
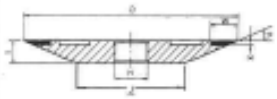
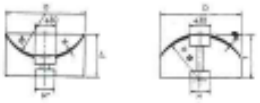
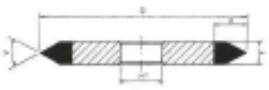
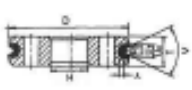
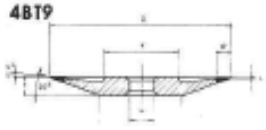
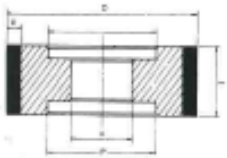
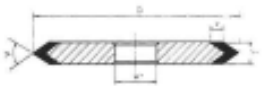
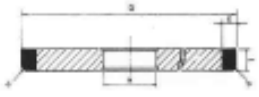
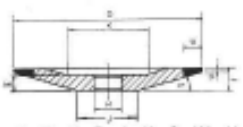
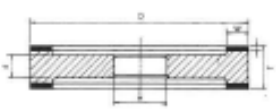


Modifications



Standard Shapes

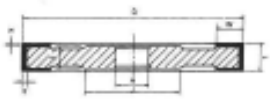
SL. Carborundum™ Since 1973

1A1  D×T×H	**1E6Q**  D×T×H×V×U×X	**1V1**  D×T×H×V×X	**4T1**  D×T×H×J×W×X×V° (10°)
1A8  D×T×H×X	**1EE6Y**  D×T×H×V×U₁×U₂×X×R	**2A2**  D×T×H×W×X	**6A2**  D×T×H×E×W×X
1A1R  D×T×H×X	**1E9**  D×T×H×U×V×J×X	**3A1**  D×T×H×J×U×X	**6A2S**  D×T×H×E×K×W×X
1A6Q  D×T×H×V×U×X	**1F1**  D×T×H×X×R	**3F2 Diamond Curve Generator Wheels**  D×X×M/C Model	**6A9**  D×T×H×E×K×U×X
1B1  D×T×H×V×X	**1FF1**  D×T×H×X×R	**3V2T**  D×L(20)×45°×W×X	**6F2**  D×L×Y×S×X
1B5  D×T×H×W×V×X	**1FF6Y**  D×T×H×V×U₁×U₂×X×R	**4A2**  D×T×H×E×J×S×W×X	**6FF6Y**  D×T×H×E×K×U×X
1DD6Y  D×D₁×D₂×T×H×ø60 ×20×V1×V2×U×X	**1L1**  D×T×H×X×R	**4B2**  D×T×H×J×V×W×X	**6P4** **6P5**  D×T×H×X×R D×T×H×X×R
1E1  D×T×H×V×X	**1LL6Y**  D×T×H×V×U₁×U₂×X×R	**4BT9**  D×T×H×J×K×W×X×V° (5°)	**9A1**  D×T×H×P×X
1EE1  D×T×H×V×X	**1Q1**  D×T×H×X×R	**4M1**  D×T×H×E×J×K×S×W×U	**9A3**  D×T×H×E×W×X

Standard Shapes

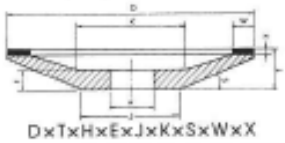
SL. Carborundum™ Since 1973

9U1



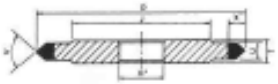
D×T×H×E×J×W×X

12A2 (20°)



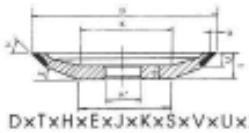
D×T×H×E×J×K×S×W×X

14E1



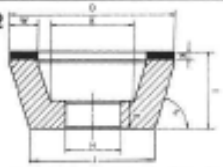
D×T×H×J×V×U×X

15V9



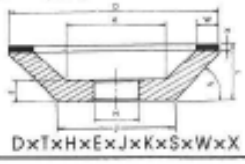
D×T×H×E×J×K×S×V×U×X

11A2



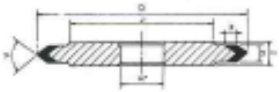
D×T×H×E×J×K×S×W×X

12A2 (45°)



D×T×H×E×J×K×S×W×X

14EE1

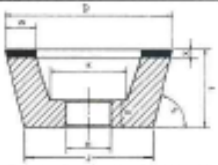


D×T×H×J×V×U×X

HH1 Hand Lapper

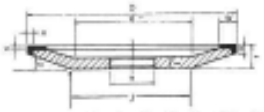
L×E×L₁×W×X

11B2



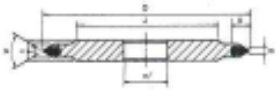
D×T×H×E×J×K×S×W×X

12C9 (20°)



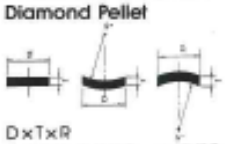
D×T×H×E×J×K×S×U×W×X

14E6Q



D×T×H×T₂×J×V×U×X

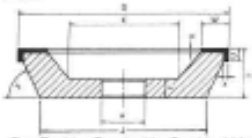
P Diamond Pellet



D×T×R

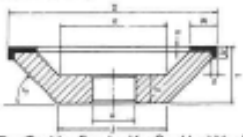
A TYPE (Flat) B TYPE (Concave) C TYPE (Convex)

11C9



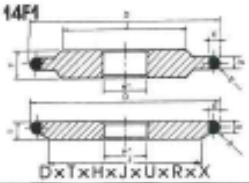
D×T×H×E×J×K×S×U×W×X

12C9 (45°)



D×T×H×E×J×K×S×U×W×X

14F1



D×T×H×J×U×R×X

Diamond Hand Files
(Iron Working Use)

N TYPE (Precision Use) L×T×P

F TYPE L×T×P

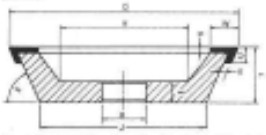
Handy Machine Files

D TYPE L×T×Y×ℓ

Machine Files

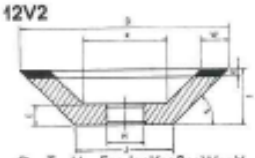
M TYPE L×ℓ

11EE9



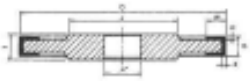
D×T×H×E×J×K×S×U×W×X

12V2



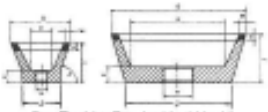
D×T×H×E×J×K×S×W×X

14U1



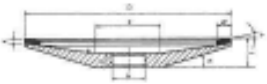
D×T×H×J×W×U×X

11V2



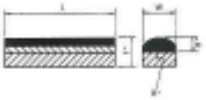
D×T×H×E×J×K×W×X

12V4



D×T×H×E×K×S×V×W×X

HMF Honing Stones



L×T×W×R×X

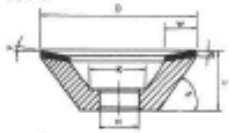
DW Mounted Wheels

DW

(DWJ)

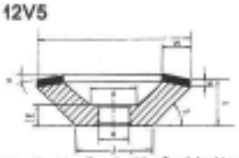
D×Y×L×T×X

11V4



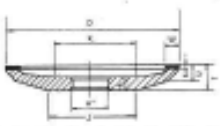
D×T×H×K×S×V×W×X

12V5



D×T×H×E×J×K×S×V×W×X

15A2



D×T×H×E×J×K×U×W×X

DW-I
DWJ-I

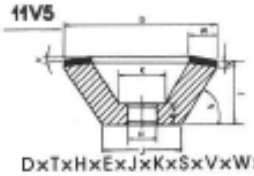
D×T×Y×L×L₁

DW-II
DWJ-II

D×T×Y×L

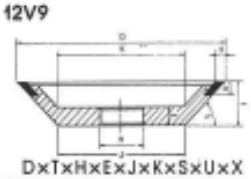
(DWJ: For JIG Grinding)

11V5



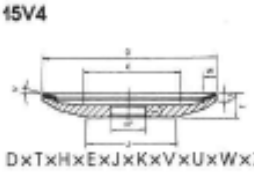
D×T×H×E×J×K×S×V×W×X

12V9



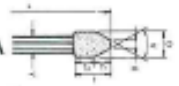
D×T×H×E×J×K×S×U×X

15V4



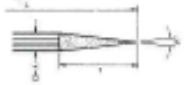
D×T×H×E×J×K×V×U×W×X

DW-TA



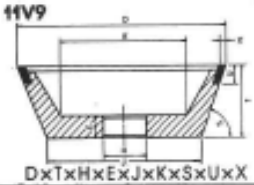
D×T×Y×L×T₁×V×U

DW-T



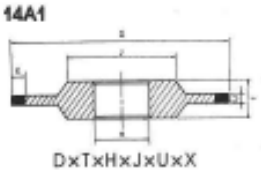
D×T×L×V

11V9



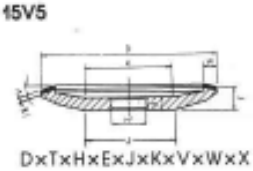
D×T×H×E×J×K×S×U×X

14A1



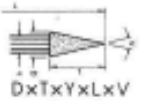
D×T×H×J×U×X

15V5



D×T×H×E×J×K×V×W×X

DW-T



D×T×Y×L×V

(Electro-Plated Wheel)

Introduction for EP Wheels

SL. Carborundum™ Since 1973

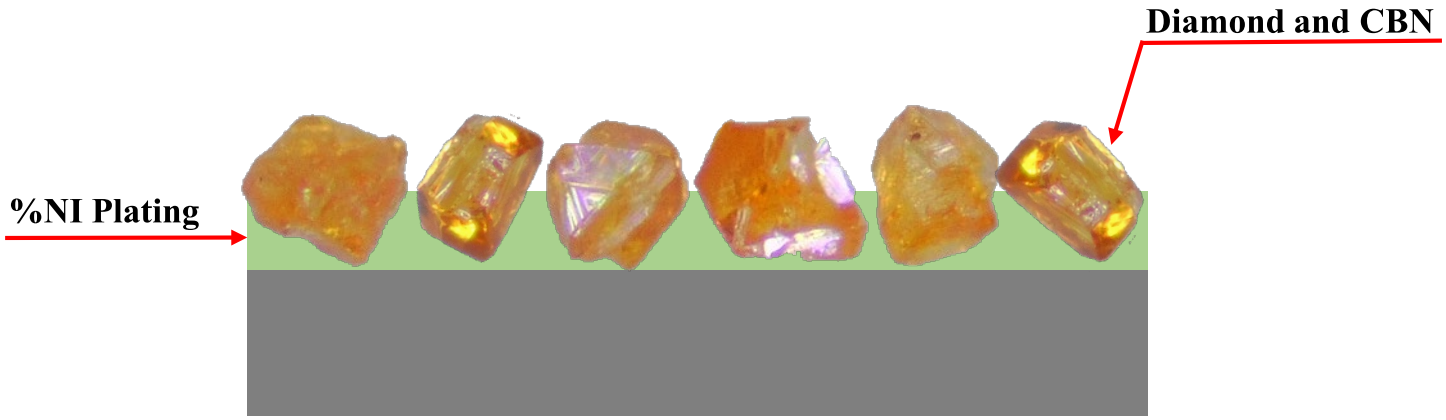
Electroplated Wheels

Electroplated wheels bring stable performance in grinding accuracy, grinding ability and wheel life. They have an excellent reputation in a variety of applications.

Characteristics of Electroplated Wheels

- Constant in grinding ability and can be used for many materials because of the high amount of abrasive material protruding from the bond.
- Capable of holding form at low cost, therefore suitable for form wheels.
- Best suited to produce small volume production in wide ranges. Electroplated wheels are inexpensive and wheel life is shorter than other bonds because they are typically a single layer of abrasive material.
- The consumed abrasive can be stripped and re-plated using the existing core (provided it is not damaged).

Structure of Electroplated Area



Choosing Diamond or CBN

SL. Carborundum™ Since 1973

CBN:

FOR GRINDING STEEL

Produced by synthesis: The covalent bonding of boron and nitrogen,CBN is the second hardest material with a hardness of approximately HV 4500. The high thermal and chemical stability of CBN permits the machining of steel materials and results in high cutting performance during the grinding process. In order to utilize the full potential of CBN, it is essential to use with high cutting speeds.

The large number of different CBN types leads to an adaptation of grinding tools to suit the wide variety of applications. Steels, Ni base alloys or HS*: CBN is always the right grinding material.

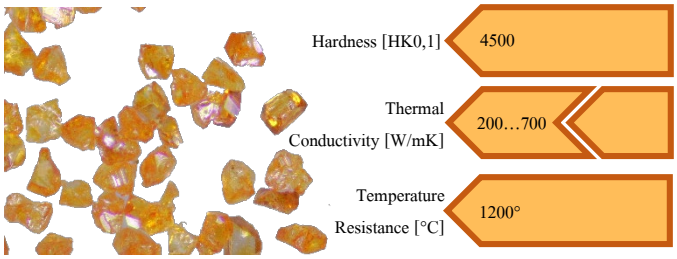
* High-speed steels are abbreviated to HS in compliance with new standards (EN ISO 4957).

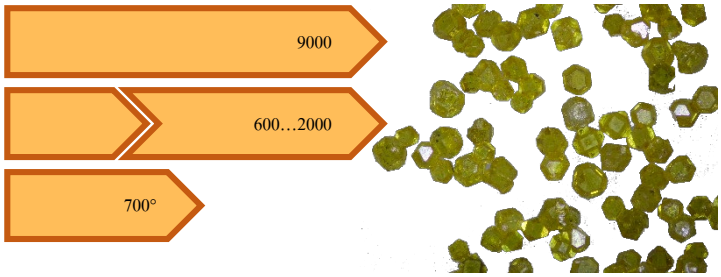
DIAMOND:

FOR GRINDING NON-FERROUS METALS

Carbon in covalent bonding is the hardest material and has a hardness of HV 9000. New production techniques with synthetic diamonds allow the production of grits optimized for the application. In this way block-shaped or splintered variants can be used to adapt grinding tools to the process.

Diamond oxidizes in air to form carbon dioxide at temperatures of approx. 800°C. These temperatures occur in many machining applications for ferrous materials and lead to a rapid decomposition of diamonds due to the affinity between Fe and C. Diamond is the right choice for carbide, cermets, ceramics, PCD / PCBN, thermal sprayed alloys, sapphire, glass, silicon, ferrite, graphite or composites.





With Diamond	With CBN
- Tungsten carbide)presintered carbide metal Tools&construction units	- High alloy steels
- Oxide ceramic materiais	- High speed tool steels
- ferrite ceramic magnetic materials refractory products	-Hot & cold working steels
- Stones,gem&semi-precious stones. Glass, porcelain, quartz	- Tempering steels
Graphite, carbon.	-Ball bearing steels
- Tiles, asbestos, asphalt,concrete	- Spring steels
- Plastics, FRP	-Cast iron
-Wear resistant coatings.	

SL. CARBORUNDUM

http://slcarborundum.takraonline.com

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