

About AMPUL

TAIWAN ANNPOX is a company that has devoted to the polishing supplies, deep plough for more than 20 years in the industrial diamond field.

Since 1983, we have imported and produced the polishing materials, such as diamond powder, diamond compounds, diamond tools and so on. On many products of industrial diamond field, our team is in the lead and we have the ability to research and develop kinds of products of polishing tools. We're proud to say, we can fit the demands from all the professional customers.

Sincerity, Speciality and Quality are our management ideas which we always adhere to. Through the stock service and direct communication, we definitely are able to recognize your requirements and we can supply you the products in the shortest time. Base on the reasons, TAIWAN AMPUL becomes one of the finest suppliers for a lot of enterprises.

Our vision is to be the best polishing materials supplier for more enterprises with high technology skills. We do our best to help our customers to get the finest polishing materials at the best prices, so they can successfully make the terminal goods and develop more new products.



Contact Us

AMPUL INDUSTRIAL DIAMOND PLANT CORP.

Address: 1F, No. 5, Lane 28, Songbo St., Shenken Township, Taipei County 22246, Taiwan.

Tel: 886-2-8662-6116 Fax: 886-2-8662-6117

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web side: <http://www.annpox.com.tw>

Profile**AMPUL INDUSTRIAL DIAMOND PLANT CORP.****President**

Shining Chen

**Administered Manager**

Frances Chen

Marketing Dept.

Frances Chen ; Jerry Chi

Contact Us

ADD:1F, No. 5, Lane 28, Songbo St., Shenken Township, Taipei County, Taiwan

TEL: 886-2-8662-6116 FAX: 886-2-8662-6117 E-mail: taiwan.annpox@msa.hinet.net

Popular Products**Made in Taiwan**

- Diamond Compound
- Diamond Slurry
- Diamond Grinding Wheel
- Diamond Files/ Burs
- Resinoid Diamond Stones
- Mounted Points
- Diamond Dressing Tools
- CBN Tools
- Diamond & CBN Mounted Contour Tools
- Magnifiers
- Diamond Dies

Trading Services

- Diamond Powders
- Super Stone
- Arkansas Oil Stone
- Ruby-Degussit Midget Stones
- EDM Oil Stone
- Pneumatic Micro Grinders
- Polishing Brush
- Abrasive Rubber Points
- Felts Bobs
- WA (AL₂O₃) Powders
- Molybdenum Plate
- B₄C
- Polishing Tape
- EVE Flex Pins
- Lapping Wood Stick
- Cerium Oxide
- Molding Tools
- Ultrasonic Lapping Machines
- Air/ Electric Power Tools
- Mono/ Poly/ Nano Crystalline Diamond Powders
- Polishing and Abrasives Relations

Synthetic Mono-crystalline Diamond Powder Powders/Compound(Paste)/Slurry

Ampul Industrial Diamond. has been a supplier of Diamond powders over twenty years for Taiwan factories and overseas in milling, grinding, polishing and so on. TAIWAN ANNPOX is our brand, we have established standardized and consistent process and techniques for the production like loose powders, diamond compound or slurry, diamond tools and so on.

Mono-crystalline Diamond Powder

The Mono-crystalline powders are abrasives adapted for the precision polishing of a wide range of work materials, including gem stones such as ruby and sapphire, dies of carbide alloy, optical lens etc. there are also new applications that include high precision cutting and polishing of ferrite, fine ceramics, and many others.

* Standard packing:

10 ct / set

50 ct / set

100 ct / set

Mono-crystalline Diamond Compound(Oil Soluble/Water Soluble)

Basing on our high quality diamond powders, TAIWAN ANNPOX can also supply diamond compound and diamond slurry, all they are high concentration. Oil soluble series are popular for metal, ceramics work pieces. And Water soluble series are suit for sapphire, LED etc. There are also new applications that include high precision cutting and polishing of optical lens, fine ceramics, and many others.

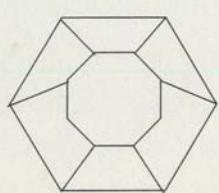
*Standard packing:

5 gram/syringe

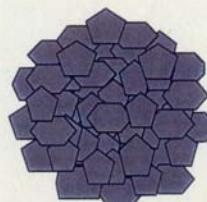
10 gram/syringe

18 gram/syringe

*For high-tech or extra fine work pieces, you can consider our Poly-crystalline diamond powders (OCD series).



Mono-Crystalline type



Poly-Crystalline type

Standard Specifications- Diamond powders

Application	Micron range	Micron Grade (um)	Mesh	Remark
Fast stock removal and roughing on hard materials/Carbide	50-70	60	#230	
	40-50	45	#320	
Preliminary diamond finish used after abrasive stone finishing and honing (500/600 mesh)	30-40	35	#500	
	25-35	30	#600	
	20-30	25	#700	
	10-20	15	#1000	
	6-12	9	#1800	
Final finish for most molds, Dies, Punches, Extrusion dies, General honing and lapping	4-8	6	#3000	
	2-4	3	#8000	
	1-3	2	#12000	
	0-2	1	#14000	
Finest finishes, Optical lenses, Semiconductors	0-1.5	0.75	#30000	
	0-1	0.5	#60000	
	0-0.5	0.25	#100000	
	0-0.25	0.125	#200000	
	0-0.2	0.1	#250000	

- We are also offering other products in special micron sizes.
- Please contact us for the sizes available and for more information.

Standard Specifications- Diamond Compound

Application	Mesh Size	Micro Grade	Color	Remark
Extra Fine Applying finest finishes On metals, ceramics, Optical lenses, Semiconductors	#250000 #200000 #100,000 #60,000 #30000 #14,000 #12000	0.1 0.125 0.25 0.5 0.75 1 2	Grey	
Super Fine Final finishing for dies, molds, seals (RMS 4-12)	#8,000 #5,000 #3,000 #2000 #1,500	3 4.5 6 8 9	Yellow Orange Orange Green Green	High concentration
Fine finishing preparatory lapping (RMS 12-20)	#1,200 #1,000 #800	12 15 21	Blue Blue Red	High concentration
Fast stock removal and roughing on hard materials/Carbide	#600 #320 #230 #100	30 45 60 150	Red Brown Purple Black	

* We are also offering other special micron size products.

* Please contact us for the sizes available and more information.

Lubricator & Thinner

For Diamond Compound

When polishing or lapping with diamond compound, the thinner will help you to change the concentration or thickness of the diamond compound as you need. The thinner also can increase cutting speed and reduce the temperature when using with diamond compound, diamond powders, oil stone, and so on.

*Standard packing:

500 c.c/bottle

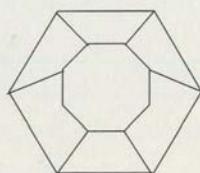
1000 c.c/bottle

Synthetic Poly-Crystalline Diamond (OCD Series)

Powders / Compound / Slurry

Properties of the OCD series

1. The OCD series belongs to the synthetic polycrystalline, it appears numerous fine edges to grind while using, so it can reach a higher removal rate of grinding constantly.
2. The OCD series is suitable for using in every procedure of mold and die polishing.
3. The OCD series applies to final finishing and be formulated for improving the ability of grinding.
4. Comparing to mono-crystalline diamond powders, OCD series(poly-crystalline) have special characters as follows:



Mono-Crystalline type



Poly-Crystalline type

- Few edge
- Cleavage plane
- Angular shape
- more scratch and lower removal rate

- Numerous fine edge
- No cleavage plane
- Blocky shape
- less scratch and higher removal rate

Applications of the OCD series

- ◆ Sapphire : Glass cover of watch, POS window, LED projector, IC substrate, Blue LED
- ◆ Magnetic head : HDD, FDD, stereo, VTR.
- ◆ Hard disk : A1 & Glass HD Media Texturing
- ◆ Optical products : Optical fiber connector, Ferrules
- ◆ Ceramics
- ◆ Others : Various metal and alloy, such as super hard metal, stainless, Titan and mold polishing

Products of the OCD series

Basing on our high quality OCD diamond powders and good producing technology, TAIWAN ANNPOX 's OCD series supply products such as diamond compound(paste), slurry, diamond files, and so on.

We welcome your contact, and we are always glad to quote the price for you. The diamond polishing products we produce are as follows:

1. Diamond powders

*Standard packing:

10 ct/ set

50 ct/ set

100 ct/ set

2. Diamond compound(paste)

*Standard packing:

5 gram/syringe

18 gram/syringe

3. Diamond slurry (water soluble / oil soluble)



Standard Specifications-OCD Diamond Powder

Micron Range	Micron Grade	other
0-0.25	0.125	
0-0.5	0.25	*all the OCD diamond compound and slurry are black color and belongs to high concentration.
0-1	0.5	
0-2	1	
1-3	2	* We are also offering other products in special micron sizes.
2-4	3	
2-6	4	
3-7	5	* Please contact us for the sizes available and for more information.
4-8	6	
6-12	9	
8-16	12	
10-20	15	

Diamond & CBN Mounted Contour Tools

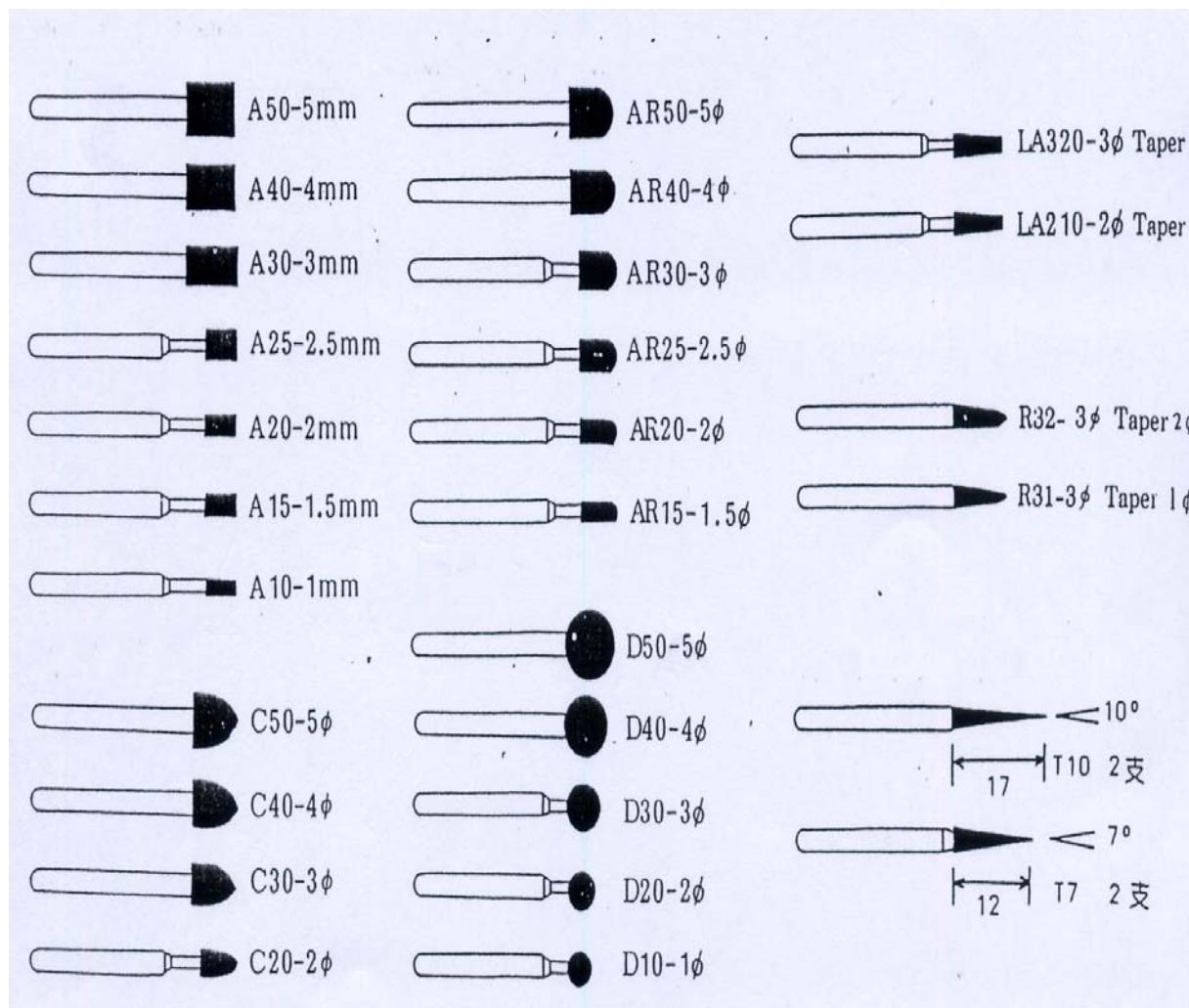
Shank: 3 mm diameter ; Total length: 45 mm

Diamond grit: #100/120, #120/140, #140/170

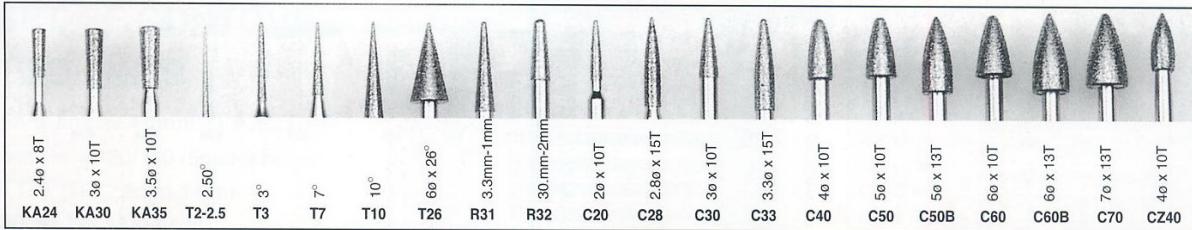
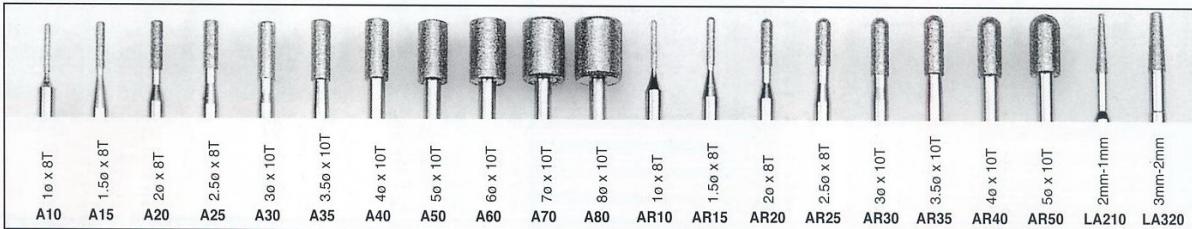
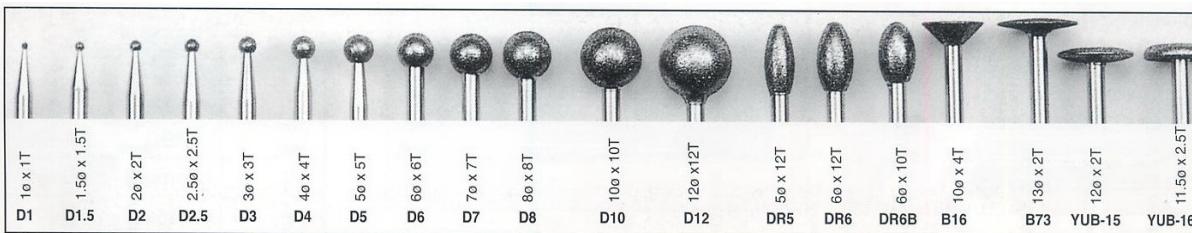
Basing on our high quality diamond powders and good producing technology, TAIWAN ANNPOX supply diamond electroplated products such as diamond burs, files and so on.

TAIWAN ANNPOX diamond tools are well suited for contour grinding for carbide, ceramics, ferrite, gem, marble and many tough alloys and cermets. There are the most popular set of contour tool kits as follows:

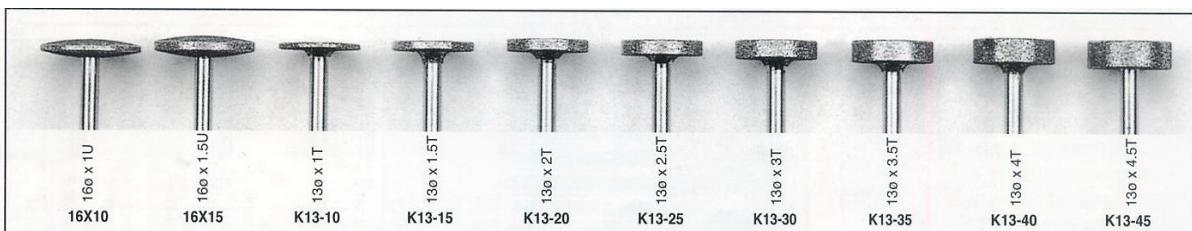
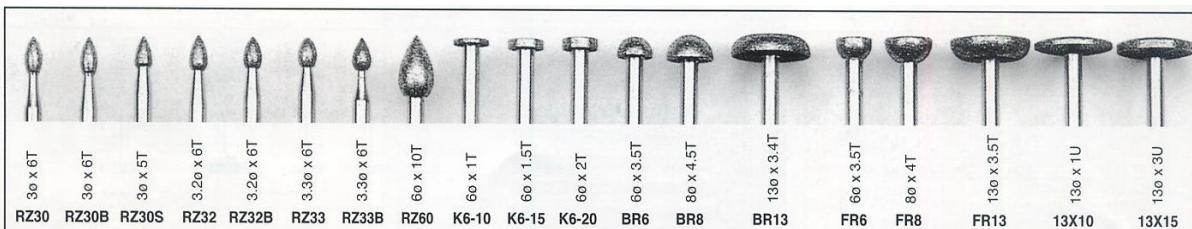
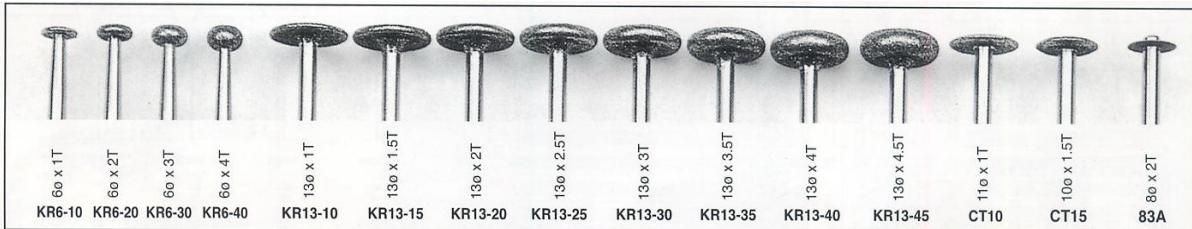
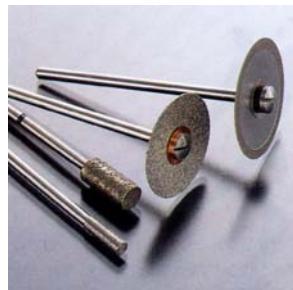
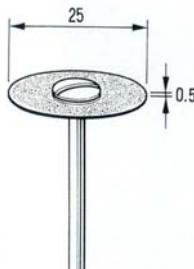
30 pcs / a case



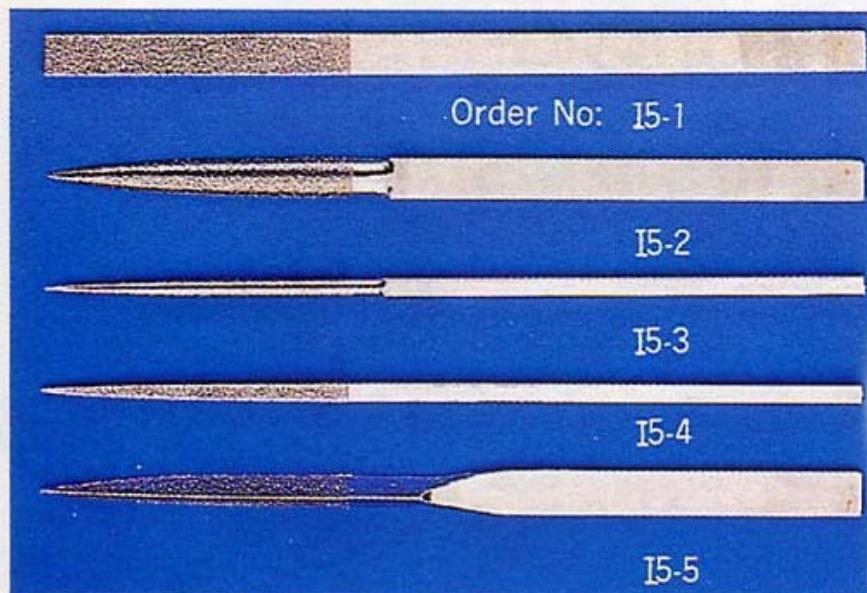
Other available products, please see the next page. For more information, please contact us with your specification.



no: 88A50
use for cutting



Diamond Files (TYPE I5)



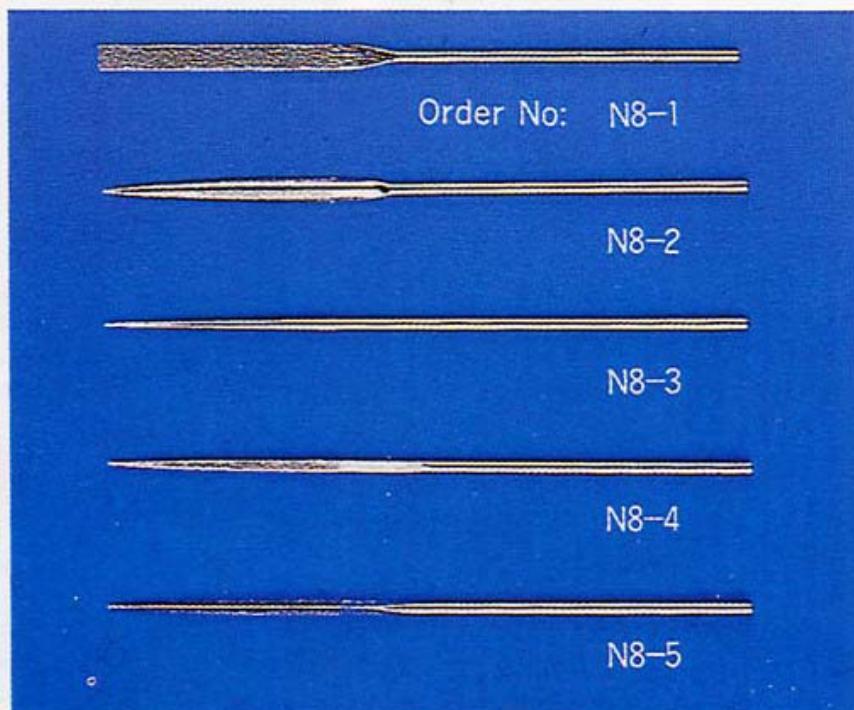
Overall length: 215 mm

Diamond length: 80 mm

Grain size:

	100#
	150#
	200#
	320#
	400#
	600#

Diamond File 76L (TYPE N8)



Overall length 140 mm

Diamond length 76 mm

Grain size:

	100#
	150#
	200#
	320#
	400#
	600#

Overall length:150mm

Diamond length:20 mm

Grain size:

100# 150# 200# 320#



Diamond Files (DBF)

Order No: DBF-1

DBF-2

DBF-3

DBF-4

DBF-5

DBF-6

Diamond Files (TYPE BF)

Overall length:150mm

Diamond length:20 mm

Grain size:

100# 150# 200# 320#

Order No: BF-18

BF-16

BF-15

BF-14

BF-13

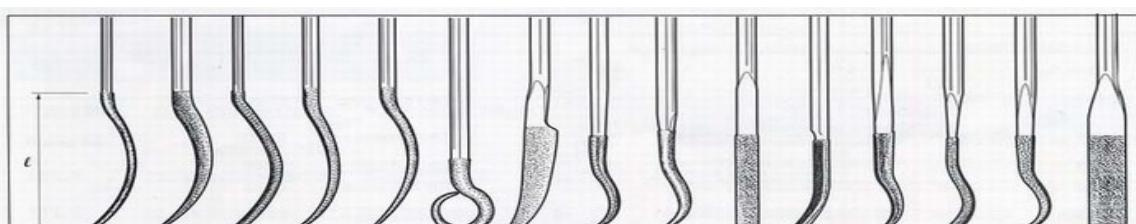
BF-12

BF-10

BF-8

BF-7

BF-6



Shape	BF-1	BF-2	BF-3	BF-4	BF-5	BF-6	BF-7	BF-8	BF-10	BF-12	BF-13	BF-14	BF-15	BF-16	BF-18
L	30mm	30mm	30mm	30mm	30mm	20mm	20mm	20mm	20mm	20mm	20mm	20mm	20mm	20mm	20mm

Remark

Diamond Files (TYPE IW)

Overall length:

160 mm

Diamond Length:

50 mm

Grain size:

100#

150#

200#

320#

400#

600#



Diamond Files (TYPE NF)

Overall length:

140 mm

Diamond length:

50 mm

Grain size:

100#

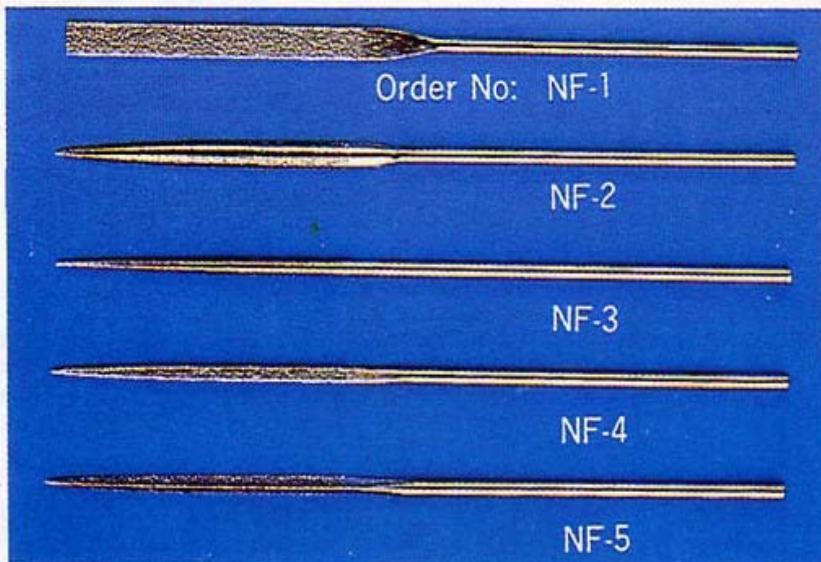
150#

200#

320#

400#

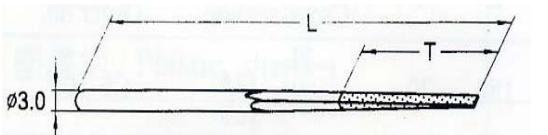
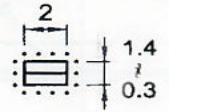
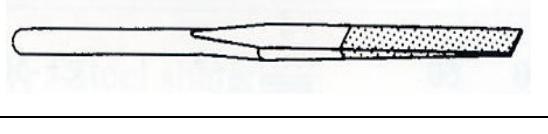
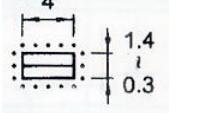
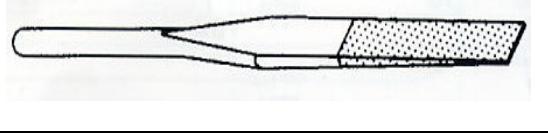
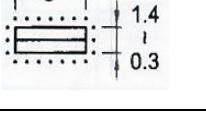
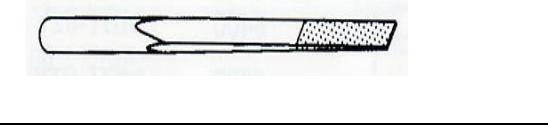
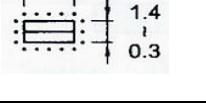
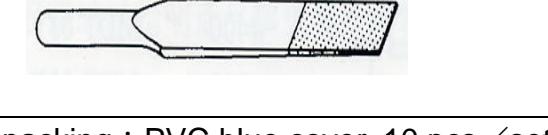
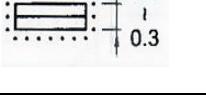
600#



Note : 1. Other grits and shapes may be made on request.

2. For more information, please contact us with your specification.

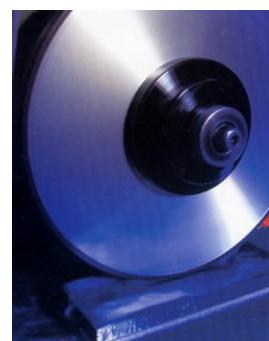
DIAMOND MACHINE FILES

Unit: mm	L	T	Cross-section	Grit	Order No
	80	20		#200 #320 #400 #600	MFL-1 MFL-2 MFL-3 MFL-4
	80	20		#200 #320 #400 #600	MFL-5 MFL-6 MFL-7 MFL-8
	80	20		#200 #320 #400 #600	MFL-9 MFL-10 MFL-11 MFL-12
	56	15		#200 #320 #400 #600	MF-1 MF-2 MF-3 MF-4
	56	15		#200 #320 #400 #600	MF-5 MF-6 MF-7 MF-8

packing : PVC blue cover, 10 pcs/set。

Diamond & CBN Grinding Wheels

Diamond and CBN grinding wheels can smooth any working objects that hard to grind. We provide every specialist the best wheel to use. Our technique and product can satisfy your need.



Diamond & CBN Grinding Wheels

Please specify the following things when you order :

1. Shape and dimensions of wheel: Please refer to next page.
2. Kind of abrasive: Please specify "diamond" or "CBN".
3. Grit size: For example "#100".
4. Concentration: For example "C-75".
5. Bond of wheel: For example "Resin Bond".
6. Coolant: Either dry or wet grinding.
7. Quantity and delivery
8. Spindle speed and grinding conditions.
9. Most makers mark their wheels as below, please show that to us for reference.

※Reference :

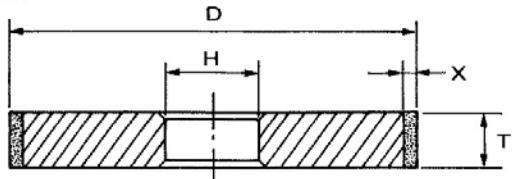
Kind of abrasive	Grit size	Grade	Concentration	Bond	Rim thickness
D : Natural diamond	#100	J soft	25	R : Resin bond	1 mm
SD : Synthetic diamond	#200	L	50	M : Metal bond	2 mm
SDC : Synthetic metal coating diamond	#300	N	75	P : Electroplated	3 mm
B : CBN	.	P	100		.
BC : CBN with metal coating	.	R hard	125		.
	.		150		.

Choosing Diamond or CBN?

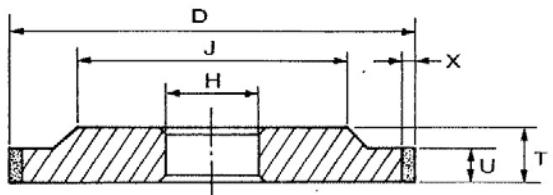
With Diamond	With CBN
<ul style="list-style-type: none"> ◆ Tungsten carbide, presintered carbide metal tools and ceramic materials. ◆ Ferrite and magnetic materials. ◆ Refractory products. ◆ Stones, gem, semi-precious stones and shells. ◆ Glass, quartz and porcelain. ◆ Graphite, carbon and concrete. ◆ Plastics, F.R.P. ◆ Wear resistant coatings. 	<ul style="list-style-type: none"> ◆ High alloy steels ◆ High speed tool steels ◆ Hot & cold working steels ◆ Tempering steels ◆ Spring steels ◆ Cast iron

Shape & Dimension of Wheels

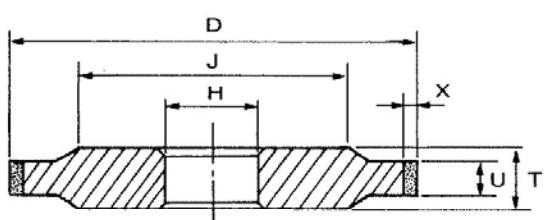
1A1



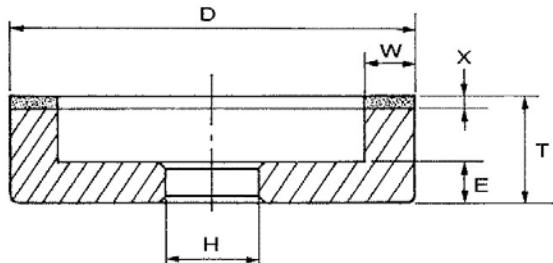
3A1



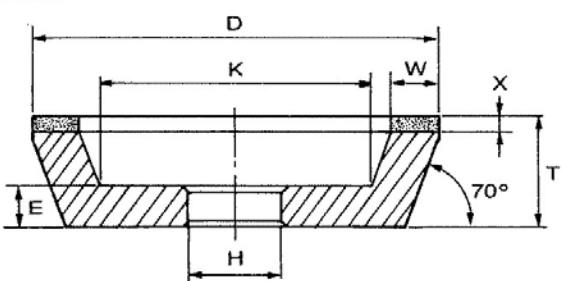
14A1



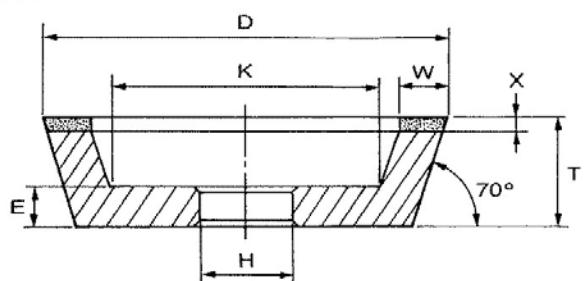
6A2



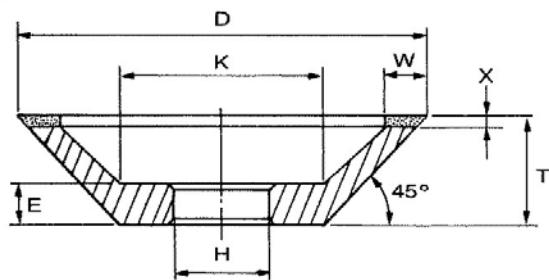
11A2



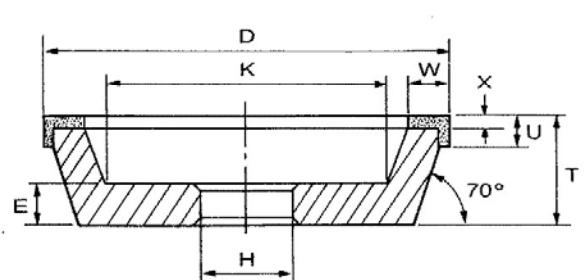
11B2



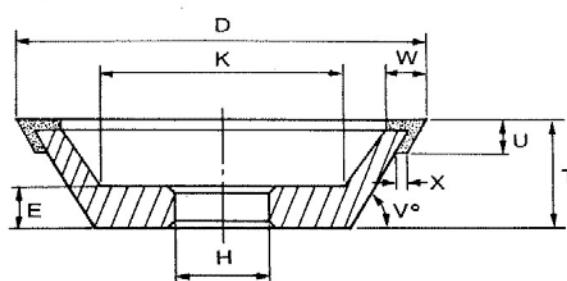
12B2



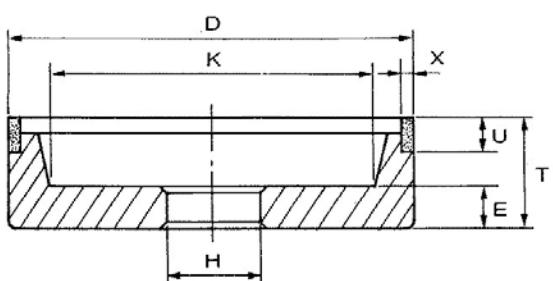
11C9



11Y9



6A9



SUPER STONE- Mirror Polishing Stone



DB Green

More abrasive!
No polishing jam!
More efficiency!



EG Brown

These super stones have special design- circle rows to avoid polishing jam. And their special material make them have longer life time.

DB green is suit for mirror polishing, like removing bits or small pieces on flat case of grinding machine, molding and so on.



EG Brown is like EDM oil stone, but better. Both DB Green and EG Brown can use to repair diamond wheels.

number	Specifications m/m	grit	memo
DB-122	100x25x12	#3000	Two circle rows
DB-204	150x50x20	#3000	three circle rows
DB-153	125x40x15	#3000	four circle rows
DB-08	150x16x8	#3000	flat
EG-10	100x25x12	#1000	Two circle rows
EG-04	100x25x12	#400	Two circle rows
EG-02	100x25x12	#200	Two circle rows

FLEXIBLE LED MOLDING FLASHLIGHT

Type	LED Molding Flashlight 2P Series		
Length of metal tube	90mm	165mm	370mm
order number	2P90	2P165	2P370
Unit price			

Characters:

1. good brightness and with heat dissipation design
2. light and handy for carry with engineers
3. The soft metal tube can be bent for applications
4. the luminary is small enough and waterproof /oil-proof for lighting holes/interstices.

Applications:

1. a mechanical engineer when overhauling
2. the assembly of equipment
3. molding、shipbuilding industry
4. students、laboratories
5. Others (ex: checking the ears....)



Brighter

Waterpoof

Bend Tube

The brightness and waterproof functions of 2P series LED flashlight is improved to brighter and more convenient for more applications. The magnet and clasp design of LED flashlight makes it easy to be fixed on working table or engineer's pocket. So most of molding engineers like to have one 2P LED flashlight to be the standard assembly tool.