AURELION

2025

HENAN AURELION PRECISION TECHNOLOGY CO., LTD



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OUR FACTORY



OUR PRODUCTS ARE WELL REGARDED NOT ONLY DOMESTICALLY BUT ALSO EXPORTED TO OVER 20 COUNTRIES, INCLUDING THE USA, GERMANY, ITALY, RUSSIA, BRAZIL, MEXICO, AUSTRALIA, SOUTH KOREA, AND INDIA. WE HAVE BUILT A SOLID REPUTATION FOR DELIVERING CONSISTENT AND RELIABLE QUALITY.

HENAN AURELION PRECISION TECHNOLOGY CO., LTD. WAS FOUNDED IN 2000 AND OPERATES FROM A DEDICATED FACILITY WITH A BUILT-UP AREA OF APPROXIMATELY 30,000 ㎡. OUR PREMISES INCLUDE SEVERAL WORKSHOPS, AN OFFICE BUILDING, AN EXHIBITION HALL, AND A RESEARCH CENTER—THE LATTER ALSO DESIGNATED AS A PROVINCIAL ENGINEERING TECHNOLOGY CENTER.

AS A SPECIALIZED MANUFACTURER IN CHINA' S SUPERHARD MATERIALS INDUSTRY, AURELION FOCUSES ON THE PRODUCTION OF SYNTHETIC DIAMOND POWDER, DIAMOND DRILL BITS, DIAMOND CBN GRINDING WHEELS, AND OTHER DIAMOND CBN TOOLS. OUR PRODUCTS SERVE A VARIETY OF SECTORS INCLUDING STONE PROCESSING, GLASS, WIRE DRAWING, PETROLEUM, PCD CBN CUTTING TOOLS, MACHINE TOOLS, AND AUTOMOTIVE MANUFACTURING.

Ferris Wheel

20 YEARS

EXPERIENCE

1200+
National Patents
Across Various Fields

10M+
Trusted by Over
10 Million Users Annually

70+
Products Are Soldin Over 70
Countriesand Regions Worldwide

300+
Service Centers in Over300 Cities
and RegionsAcross Six Continents

7000+
Over 7000 Offline Service-
Outlets Worldwide

QUALIFICATION CERTIFICATE
STRENGTH CERTIFICATION



VARIOUS STYLES

1000+types of mechanical products with complete styles and models

OWN FACTORY

Our own factory and mechanical research and development team;Skilled technical workers

SUPPORT

Based on actual customer needs Support customers to customize machine styles based on their

AURELION'S ADVANTAGES

HIGH PERFORMANCE INNOVATIVE DESIGN

AURELION's diamond tools and traditional abrasive tools adopt the most advanced technology and innovative design to ensure efficient and precise operations in grinding, cutting, forming and other processes.

SELECTED RAW MATERIALS

We select high-quality diamond/CBN particles and combine them with advanced manufacturing processes to create wear-resistant and high-temperature-resistant tools to ensure a long and stable service life.

WIDE APPLICATION

AURELION's diamond tools and traditional abrasive tools cover multiple grinding methods such as cylindrical grinding, internal cylindrical grinding,surface grinding,profile grinding, tools harpening, centerless grinding, etc.And are suitable for metal processing,ceramic processing, and stone cutting, gems, wood working, automobiles, Oil & Gas, semiconductors and other industries.

CUSTOMIZED SOLUTIONS

We provide customized traditional abrasive and superabrasive grinding and tool solutions,designed and produced accordding to customer's specific needs, ensuring that they meet the requirements of different industries and projects.

SOLGAN

01 Pursuing the ultimate balance between cutting force, wear resistance, and thermal stability

02 Driving customer process upgrades through micron-level control

03 Creating quantifiable value for customers in the long term



SUPERABRASIVE DIAMOND/CBN GRINDING WHEEL

AURELION superabrasive grinding wheels contain diamond and CBN abrasive grains, and they are used for precision grinding of hard and difficult-to-machine materials.

Diamond and Cubic Boron Nitride are characterized by a much higher hardness than traditional abrasives such as aluminum oxide or silicon carbide.

Superabrasives are widely used in the industrial saw and blades , automobiles, cutting tools, 0il & Gas, mining, gemstones,woodworking,and metalworking industries.

Diamond

- 由于其特性：硬度高、耐磨等特性，非常适合磨削难加工材料
  Due to its properties: high hardness, wear resistance, it is perfect for grinding difficult -to-machine materials.
- 钻石 不推荐用于磨削钢构件
  Diamond is not recommended for grinding steel components.
- 用于生产超硬使用合成金刚石工具
  For grinding superabrasive PCD, PCBN, PDC, CVD, MCD, ND and their tools, Diamond grinding wheels are the best choice.

CBN

- 高温高压合成，结构类似于金刚石
  It is produced with sythetic technology, and has a same cubic structure as synthetic diamond.
- 但是由于CBN用氮和硼代替了碳，因此，它具有良好的耐高温性能和较好的化学稳定性。
  But CBN replaced C with B & N elements, Herence, it qualifies high temperature resistance and better chemcial stability to steel.
- 尽管它的硬度比金刚石略低一些，但是它在加工钢，尤其是硬化过的，超过HRC40以上的钢的时候，各方面的表现都远远优于金刚石。
  Although its hardness is slightly lower than diamond, it performs far better than diamond in all aspects when processing steel, especially hardened steel that exceeds HRC40.

Application

碳化钨　宝石　玻璃　硅
陶瓷制品　石墨　塑料　碳化硅
聚晶金刚石/立方氮化硼　蓝宝石
Tungsten Carbide　Gemstone　Glass　Silicon
Ceramic　Graphite　Plastic　Silicon carbide
PCD/PCBN　Sapphire

Application

工具钢　高速钢　轴承钢
碳化钨　钢　弹簧钢　钨
高合金钢　铸铁
tool steel　high speed steel　bearing steel
Tungsten Steeel　steel　spring steel　tungsten
high-alloy steel　cast iron

TYPE AND SIZE OF ABRASIVE GRAIN

磨削类型加工 TYPE OF GRINDING PROCESSING	FEPA代码 FEPA Code		粒度 [微米] Grain Size [um]	目 MESH
	金刚石 Diamond	CBN		
预磨 PRE-GRINDING	D181	B181	181-150	80/100
中磨 MEDIUM-GRINDING	D151	B151	150-125	100/120
	D126	B126	125-106	120/140
精磨 FINE GRINDING	D107	B107	106-90	140/170
	D91	B91	90-75	170/200
	D76	B76	75-63	200/230
最精细的研磨 FINEST GRINDING	D64	B64	63-53	230/270
	D54	B54	53-45	270/325
	D46	B46	45-38	325/400

正确选择磨粒类型和尺寸可保证磨具的最佳运行并实现所需的表面粗糙度。 粒度越小，磨削表面的粗糙度越低。
The correct selection of the grain type and size guarantees optimal operation of abrasive tool and enables required surface roughness. The smaller the grain size, the lower the roughness of the grinding surface.

ABRASIVE GRAIN CONCENTRATION

Diamond

磨料浓度 Grain Concentration	密度 [克拉/立方厘米] Density [carat/cm³]
C50	2. 2
C75	3. 3
C100	4. 4
C125	5. 5

CBN

磨料浓度 Grain Concentration	密度 [克拉/立方厘米] Density [carat/cm³]
V120	2. 09
V180	3. 13
V240	4. 18
V300	5. 22

浓度影响磨具的寿命和材料去除率。 对于深度磨削、磨粒粗、磨料层宽度小以及砂轮形状要求高的情况，建议使用高浓度。
Concentration affects the life time of abrasive tool and the material removal rate. High concentration is recommended for deep grinding, coarse abrasive grain, small widths of the abrasive layer, as well as in the case of a grinding wheel with high shape requirements.

RESIN BOND DIAMOND CBN GRINDING WHEEL



我们的树脂结合剂金刚石砂轮专为批量磨削和不同车间的硬质材料磨削而设计。传统的砂轮由氧化铝、碳化硅和其他类似磨料制成。如果你的工作量不大，而且研磨材料也不太硬，传统的砂轮就可以了。但一旦磨削HRC40以上较硬的材料，尤其是工作量很大时，传统砂轮的磨削效率就很差了。

那么，我们的超耐磨（金刚石/CBN）砂轮将为您提供很大帮助。他们可以快速而顺利地研磨非常坚硬的材料。树脂结合剂金刚石CBN砂轮是磨削HRC40以上材料最经济、最高效的砂轮。

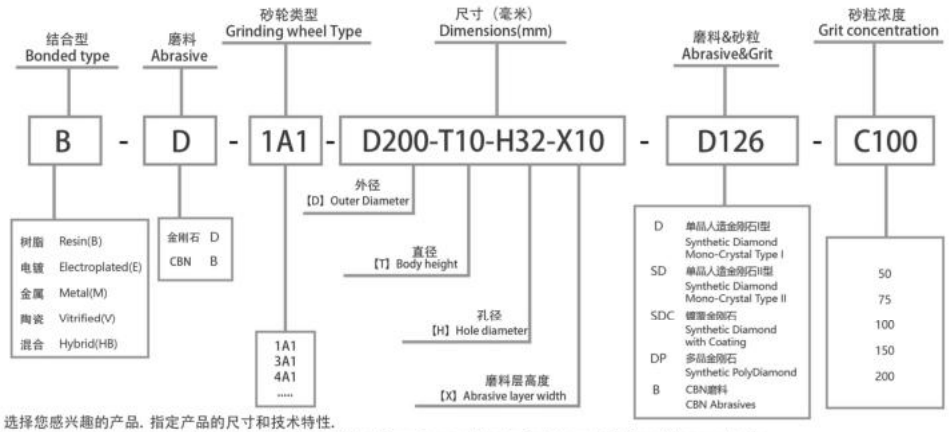
Our resin bond diamond CBN grinding wheels are designed for quantity grinding, and hard materials grinding in different workshops. Traditional abrasive grinding wheels are made of Aluminum Oxide, Silicon Carbides and other similar abrasives. If you have not got too much work, and the grinding materials is not too hard, traditional abrasive wheels is fine. But once grinding harder materials above HRC40, especially you have a lot of work to do, the traditional abrasive wheels perform badly on grinding efficiency.

Well, our super-abrasive (Diamond / CBN) wheels will help you greatly. They can grind the very hard materials shortly and smoothly. Resin Bond Diamond CBN grinding wheels is the most economy and efficient grinding wheels for grinding materials above HRC 40.

应用
Application

- 外圆磨床 Cylindrical Grinding Machine
- 平面磨床 Surface Grinding Machine
- 无心磨磨床 Centerless Grinding Machines
- 齿轮磨床 Gear Grinding Machines
- 蜗杆磨床 Wormshaft Gear Grinding Machine
- 阀门磨床 Valve Grinding Machine
- 台式和立式砂轮机 Bench & Pedestal Grinder
- 内孔磨磨床 ID Grinding Machine, Jig grinder
- 工具磨床 Tool&Cutter Grinding Machine
- 锯片磨床 Saw Blade Grinding Machines
- 刀具磨床 Cultery Grinding Machines
- 成型磨磨床 Profile Grinding Machines

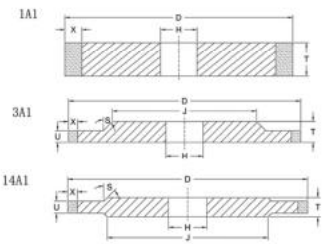
根据您的需要使用下图(RUIZUAN Grinding Wheels Code Explaination):



选择您感兴趣的产品. 指定产品的尺寸和技术特性.
Choose the product you are interested in. Specify the dimensions and technical characteristics of the product in.

1A13A114A1 STRAIGHT DIAMOND CBN GRINDING WHEEL





树脂结合剂金刚石和CBN砂轮中最常见的是1A1、3A1和14A1平行砂轮。在外圆磨和平面时，这些形状表现出非凡的性能。我们的砂轮再客户的外圆磨床、平面磨床和以及工具磨磨床上都有着优异的表现。无论采用湿磨还是干磨，无论是数控还是手动磨床，我们的直磨轮始终表现出卓越的性能。

The most frequently encountered straight shapes for resin-bonded diamond and CBN grinding wheels are 1A1, 3A1, and 14A1. These shapes demonstrate exceptional performance when used for cylindrical and surface grinding wheels. Our valued customers have discovered their utility in cylindrical grinding machines, surface grinding machines, as well as Tool Cutter grinding machines. Regardless of whether wet or dry grinding is employed, or whether CNC or manual grinding machines are used, our straight grinding wheels consistently exhibit superior performance.

特点
Features

- 外圆和平面磨削
- 扁平金刚石层
- 快速减少热量
- 水冷
- Cylindrical & Surface Grinding
- Flat Diamond Layer
- Reducing heat quickly
- Water cooling

应用
Application

金刚石砂轮： 碳化钨、陶瓷、石墨、玻璃、石英、半导体材料、PCD/PCBN 工具、石油/天然气钻探工具。

CBN 砂轮： 淬火钢、高速工具钢、锆钢、镍基合金和其他合金钢。

Diamond Wheels: Tungsten Carbides, Ceramics, Graphite, Glasses, Quartz, Semi-conductor Material, PCD/PCBN Tools, Oil/Gas Drilling Tools.

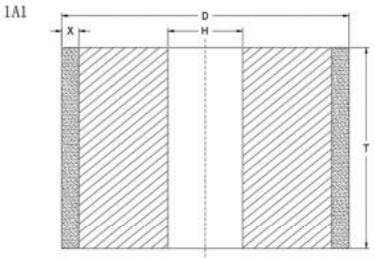
CBN Wheels: Hardened Steel, High Speed Tool Steel, Chrome Steel, Nickel based Alloys and other Alloy Steels.

Dimensions						Suitable Grinding Machine
D		T		H	X	
(mm)	Inch "	(mm)	Inch "			
50	2''	2-25. 4	0. 08 -1''	根据您的要求 TO YOUR REQUEST	3-10mm	外圆磨床 平面磨床 台式和立式砂轮机 CYLINDRICAL GRINDING MACHINE, SURFACE GRINDING MACHINE, BENCH & PEDESTAL GRINDER
75	3''	2-25. 4	0. 08 -1''		3-15mm	
100	4''	5-25. 4	0. 2 -1''		3-20mm	
150	6''	5-25. 4	0. 2 -1''		3-20mm	
175	7''	5-25. 4	0. 2 -1''		3-20mm	
200	8''	5-50. 8	0. 2 -2''		3-20mm	
250	10''	5-50. 8	0. 2 -2''		3-25mm	
300	12''	10-50. 8	0. 4 -2''		5-25mm	
350	14''	10-50. 8	0. 4 -2''		5-38mm	
400	16''	10-50. 8	0. 4 -2''		5-38mm	
450	18''	10-50. 8	0. 4 -2''		10-38mm	
500	20''	16-50. 8	0. 6 -2''		10-38mm	
600	24''	16-50. 8	0. 6 -2''		10-38mm	
750	30''	20-50. 8	0. 8 -2''		10-38mm	
850	34''	20-50. 8	0. 8 -2''		10-38mm	
900	36''	20-50. 8	0. 8 -2''		10-38mm	
1000	39. 5''	20-50. 8	0. 8 -2''		10-38mm	

1A1 CENTERLESS GRINDING DIAMOND CBN WHEELS







无芯磨削非常适合在尽可能短的时间内进行大量磨削。 轻松的安装和转换保证了根据市场需求进行灵活调整。 无芯磨削金刚石/CBN 砂轮以其复杂的整体概念和高水平的生产率给人留下了深刻的印象。

Centerless Grinding is ideal for grinding large quantities in the shortest possible time. Easy installation and changeover guarantee flexible adjustment to market requirements. The Centerless Grinding Diamond/CBN wheels impress with their sophisticated overall concept and high level of productivity.

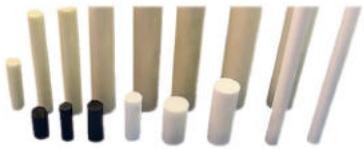
Dimensions (MM)			
D (mm)	T (mm)	H (mm)	X (mm)
300	50 TO 500	根据您的要求 TO YOUR REQUEST	5 to 15
400	50 TO 500		5 to 15
450	50 TO 500		5 to 15
500	50 TO 500		5 to 15













应用
Application

碳化钨棒、钢棒、陶瓷棒。
Tungsten Carbide Rods, Steel Rods, Ceramic Rods.

1A11A8 ID GRINDING DIAMOND CBN GRINDING WHEELS







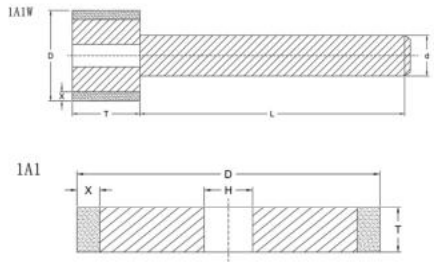


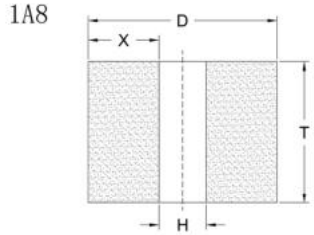




内径砂轮用于内孔磨削和抛光。 树脂结合剂金刚石 CBN 内径磨轮是内径磨削中批量磨削的理想选择。
树脂结合剂金刚石砂轮主要用于加工硬质合金刀具、陶瓷、磁性材料、硅、玻璃、石英及热喷涂合金等。

ID grinding wheels is for inner hole grinding and polishing. Resin Bond Diamond CBN ID grinding wheels is ideal for quantity grinding on ID grinding.
Resin bond diamond grinding wheel is mainly used for machining tungsten carbide, cutting tools, ceramic, magnetic materials, silicon, glass, quartz and thermal spraying alloy, etc.





优点
Benefit

- 快速研磨
- 厚金刚石层延长砂轮寿命
- 热量迅速减少

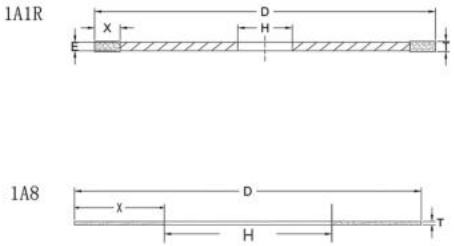
- Fast Grinding
- Thick Diamond Layer extends long wheel life
- Heat reducing quickly

应用
Application

管材、管道、轧辊、模具和冲模的内径磨削。
ID Grinding for Tube, Pipe, Roll, mold and dies.

1A1R 1A8 RESIN/METAL BOND DIAMOND/CBN CUTTING WHEEL





我公司开发了超薄1A1R金刚石和CBN砂轮，可用于切断、切割、开槽、划片等。树脂结合剂和金属结合剂可用于不同的应用。直径可以是50mm到400mm。 厚度从0.5mm到2mm。 粒度可以是 D151、D181、D126、D107、D91、D76、D64、D46 等。 切割材料可以是：碳化钨、陶瓷、玻璃、石头、宝石，钢，蓝宝石，碳化硅，硅锭，半导体材料等。

Our comapny developed Super thin 1A1R Diamond and CBN Wheels, which can be used for Cut-off, Cutting, Grooving, Slotting, Dicing, etc. Resin bond and metal bond are available for different applications. Diameter can be 50mm to 400mm. Thickness is from 0.5mm to 2mm. Grits can be, D151, D181, D126, D107, D91, D76, D64, D46 and others. Cutting material can be: tungsten carbide, ceramic, glass, stone, Gem and gemstones, steel sapphire, silicon carbide, silicon ingot, semi-condutor etc.

优点 Benefit

- 自锐性好，切削锋利
- 高效率、高精度
- 高电阻和最佳抛光
- 工件表面粗糙度低
- 产生热量较少
- 不烧工件

- Good self sharpening and sharp cutting
- High efficiency and precision
- High resistance and optimal polishing
- The surface roughness of the workpiece is low
- Generate less heat
- Do not burn the workpiece







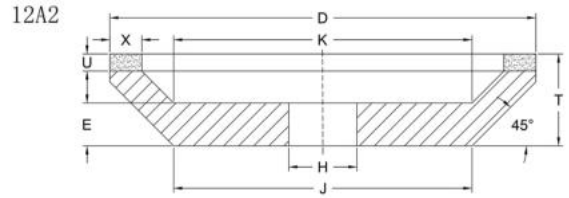


Parameters (MM)

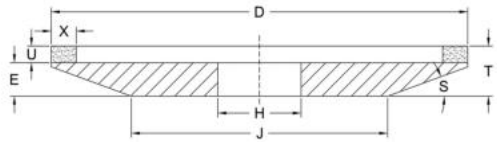
规格 Specification	D	T	E	H	X	粒度 Grit
1A1R 100x1.0x31.75x10mm	2-20	1.0	0.8	31.75	10	D151、D181、D126、D107、D91、D76、D64、D46..... or customized 可定制
1A1R 125x1.0x31.75x10mm	2-25	1.0	0.8	31.75	10	
1A1R 150x1.0x31.75x10mm	3-15	1.0	0.8	31.75	10	
1A1R 150x0.8x31.75x10mm	3-30	0.8	0.6	31.75	10	
1A1R 150x0.5x31.75x10mm	3-30	1.0	0.8	31.75	10	
1A1R 200x1.0x31.75x10mm	3-30	1.0	0.8	31.75	10	
1A1R 300x1.5x31.75x10mm	3-30	1.5	1.3	31.75	10	
1A1R 400x2.0x31.75x10mm	3-30	2.0	1.8	31.75	10	

4A2 12A2 DISH SHAPE DIAMOND CBN GRINDING WHEELS









4A2 12A2碟形树脂结合剂金刚石/CBN砂轮设计用于大砂轮无法使用的小房间内的工具刃磨和磨削。它在木工刀具刃磨、金属加工刀具刃磨、刀具和刀片刃磨磨削方面表现良好。

4A2 12A2 dish-shape resin bond Diamond/CBN wheels are designed for tool sharpening and grinding at small rooms, where the big wheel can't use. It performs well on woodworking tool sharpening, metalworking tool sharpening, knife and blades sharpening grinding.

特点 Features

- 锋利的金刚石砂轮
- 用于工具、锯、刀片的牙齿磨锐
- 顶面磨削和端面磨削
- 粗加工和精加工

- Sharp diamond wheels
- For tool, saw, blades teeth sharpening
- Top grinding and face grindin
- Rough and finish

应用 Application

- 圆锯片的顶部和平面磨削
- 在通用工具磨床上磨刀
- 用于木工锯刀刀片的表面磨削

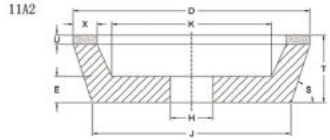
- Top and face grinding for circular saw blades
- Tool sharpening on universal tool grinders
- Surface grinding for woodworking saw knife blades

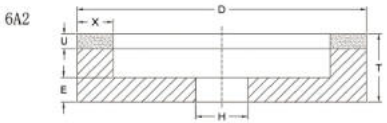
Dimensions (MM)

D	U/W	T	E	K	J	H	X
75	2-20	10-20	8/10	*	*	根据您的要求 TO YOUR REQUEST	2-8
100	2-25	10-20	8/10	*	*		2-10
125	3-15	10-25	8/10	*	*		2-10
150	3-30	12-25	8/10	*	*		2-10
175	3-30	12-25	8/10	*	*		2-20
200	3-30	12-30	8/10	*	*		2-20

6A2 11A2 BOWL–SHAPE RESIN BOND DIAMOND CBN GRINDING WHEELS









6A2 11A2 碗形砂轮专为万能工具磨床、周边磨床以及自动锯、刀具和工具磨床而设计。 通常用于刀具磨削、刀片磨削和表面磨削。
6A2 11A2 Bowl-shape Grinding wheels is designed for universal tool grinders, Peripheral Grinder and also automatic saw, cutter and tool grinders. It is usually for tool grinding, inserts grinding and surface grinding.

优点 Benefit

- 接触面积大
- 轻松徒手操作
- 易于刀尖两侧磨削
- 冷却速度高，热量扩散快
- 容易修整
- Large contacting areas
- Easy free-hand operating
- Easy for knife blades tip grinding on two sides
- High cooling rate and heat spreading quickly
- Easy dressing

应用 Application

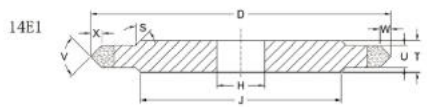
适用于磨削硬质合金，高速钢，合金钢，工具钢材质的木工刨刀、圆刀、锯片和金属加工刀具，工具等。一般用在通用工具磨床、周边磨床和自动磨床上。
Suitable for grinding woodworking planers, circular knives, saw blades and metal processing knives and tools made of carbide, high-speed steel, alloy steel, and tool steel. Generally used on general tool grinders, peripheral grinders and automatic grinders.

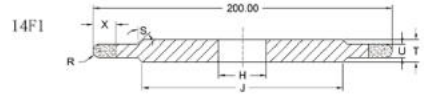
Dimensions (MM)

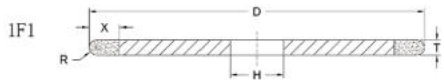
D	W	T	E	H	X
75	2–20	10–30	10	根据您的要求 TO YOUR REQUEST	3–10
100	2–25	10–30	10		3–10
125	3–15	10–30	10		3–10
150	3–30	12–40	10		3–20
175	3–30	12–40	10		3–20
200	3–30	20–50	15–30		3–20
250	3–30	20–50	15–30		3–20
300	3–30	20–50	15–30		5–30
350	3–30	20–50	15–30		5–30
450	3–30	20–50	15–30		5–30
450	3–30	20–50	15–30		5–30
500	3–30	20–50	15–30		5–30

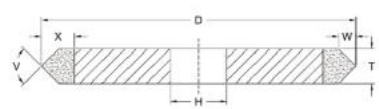
14E114F11F11E1METAL/RESIN BOND DIAMOND CBN GRINDING WHEEL FOR PROFILE GRINDING











1E1、14E1、1F1、14F1金刚石/CBN砂轮具有箭头或圆形边缘，非常适合对各种产品进行仿形、开槽和开槽。这包括对木工成形刀，冷锯齿，拉刀等复杂形状工具进行成形磨和开槽，在石头、玻璃、硬工业陶瓷以及硬质合金和高速钢工具上进行成形磨和开槽。我们的1E1、14E1、1F1、14F1金刚石/CBN砂轮采用了卓越的粘合技术和高质量的金刚石/CBN磨料，具有良好的保形性，确保了耐用稳定的性能。这大大减少了频繁修整的需要，确保了高效且具有成本效益的操作
The 1E1, 14E1, 1F1, 14F1 Diamond/ CBN grinding wheel features arrow or rounded edge, ideal for profiling, grooving, and slotting various products. This includes profiling wood mold knives, shaping teeth on cold saw blades, and creating grooves and slots in stone, glass, ceramics, as well as carbide and HSS tools. Our 1E1, 14E1, 1F1, 14F1 Diamond/ CBN grinding wheels utilize superior bonding techniques and high-quality Diamond/CBN grits, ensuring a durable and stable performance with a long-lasting rounded edge. This significantly reduces the need for frequent dressing, ensuring efficient and cost-effective operations.

特点 Features

- 高温稳定性的材料去除率提高
- 每个组件的研磨时间减少
- 低且恒定的功耗
- 知名稳定性和更好的机器生产率
- 长轮寿命和长敷料间隔
- Increased Rate Of Material Removal With High Temperature Stability
- Reduced Grinding Time Per Component
- Low and Constant Power Consumption
- High Profile Stability And Better Machine Productivity
- Long Wheel Life and Long Dressing Interval

应用 Application







磨削的工件: 木工成形刀、冷锯片、圆拉刀、花键拉刀、键槽拉刀、内孔拉刀、平面拉刀。
Grinding Workpiece: Moulder knife, Cold Saw, Round broaches, Spline broaches, Keyway broaches, Internal hole, Surface broaches.
适用的CNC工具研磨机 (Applicable CNC Tools Grinding Machine) : Weinig, UTMA, BURTON, Star, Hauser, SCHNEEBERGER.

RESIN BOND DIAMOND GRINDING WHEEL FOR SHARPENING TCT CIRCULAR SAW BLADES

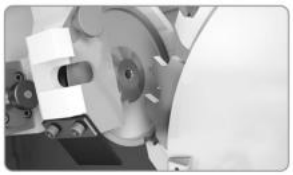




树脂结合剂金刚石砂轮主要应用于TCT圆锯片磨削领域，它能很好地进行端面磨削、顶部磨削、侧面磨削、齿磨削、硬质合金尖端磨削和钢基体磨削。

Resin bond diamond grinding wheels r mainly used in the field of TCT circular saw blade grinding. It can perform well in end face grinding, top grinding, side grinding, tooth grinding, tungsten carbide hard alloy tip grinding and steel body grinding.

磨削方式 Grinding Method



顶磨 TOP GRINDING



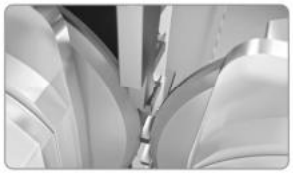
常见的规格 COMMON SPECIFICATIONS
6AA2、12A2、4A2、6AA9



面磨 FACE GRINDING



COMMON SPECIFICATIONS
12V9、12V2、15V9、1A2、4A2



边磨 SIDE GRINDING



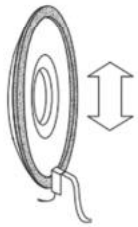
COMMON SPECIFICATIONS
1A1、3A1、14A1、6A2、6A9

优点 Benefit

- 自锐性好，切削锋利
- 高效率、高精度
- 高电阻和最佳抛光
- 工件表面粗糙度低
- 产生热量较少
- 不烧伤工件

- Good self-sharpening and sharp cutting
- High efficiency and high precision
- High resistence and best polishing
- Low roughness of work piece surface
- Less heat generating
- Without burning work piece

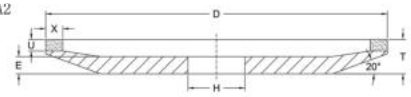
RRESIN BOND DIAMOND GRINDING WHEEL FOR SHARPENING TCT CIRCULAR SAW BLADES



4A2 12A2 12V9
15V9 12V2



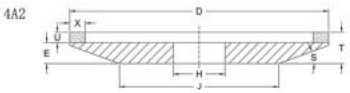
12A2



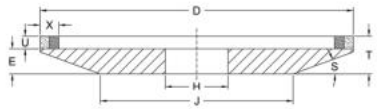


4A2 4AA2 6AA2
6AA9 12A2

4A2



4AA2







适用机器品牌(Applicable Machine Brand): Wright, Vollmer, ABM, Colonial Saw, Armstrong, Amada, Jones Saw Tools, Baileigh Industrial, Foley Belsaw, Thorvie, Bell, Acme, Autool, Nelson, JEFFER, EYAN, Walter, UTMA ,Widma, AKE, STEHLE, SATURN.

锯片适用(Saw Blade Applicable): Simonds, FREUD, FS TOOL, TENRYU, THURSTON MFG.

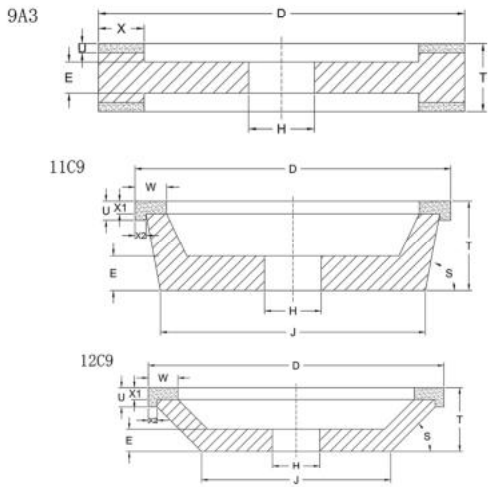
Dimensions (MM)					
形状 Shape	D(mm)	T(mm)	H(mm)	X(mm)	W(mm)
4A2, 12A2, 4BT9, 12V2, 11V2, 12V2, 6A2, 14A1, 12V9, 3V1, 11A2	50	25-40	16, 20, 31.75, 32	2-6	3-10
	75	25-40	16, 20, 31.75, 32	2-6	3-10
	100	25-40	16, 20, 31.75, 32	2-6	3-10
	125	25-40	16, 20, 31.75, 32	2-6	3-10
	150	25-40	16, 20, 31.75, 32	2-6	3-10
	175	25-40	16, 20, 31.75, 32	2-6	3-10
	200	25-40	16, 20, 31.75, 32	2-6	3-10

任何非标准尺寸和粒度尺寸都可以定制（告诉我们尺寸或图纸就足够了）。

Any nonstandard size and grits size can cuslomised (tell us size or drawing is enough).

9A3 11C9 12C9 ANGLE GRINDING DIAMOND CBN WHEELS





9A3金刚石砂轮用于硬质合金刀具的刃磨和精加工，玻璃、陶瓷、石英、半导体、硬质合金刀具的加工。

11C9, 12C9金刚石砂轮用于铰刀齿、滚齿刀、圆锯、拉丝模和硬质合金工具前表面的刃磨和精加工。

9A3 Diamond grinding wheel used for sharpening and finishing of hard alloyed tools,maching of glass, ceramic,quarts,semi-conductors, tungsten carbide cutting tools.

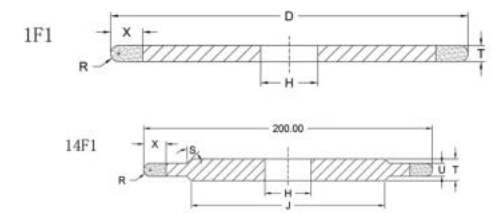
11C9, 12C9 diamond grinding wheel used for sharpening and finishing of front surface of reamer teeth,hobbing cutters,circular saws,drawing dies and tools made of hard alloys.

Dimensions (MM)

模型 Model	D(mm)	W(mm)	T(mm)	X(mm)	
				金属金刚石砂轮 metal diamond wheel	树脂金刚石砂轮 resin diamond wheel
9A3 11C9 12C9	100	4. 5		1.5 , 2, 3	2, 3
		6. 8	22		
		10			
	125	4. 6	22		
		8. 10			
	150	4. 6	25. 35		
		8. 10			
		12. 15			
	175	4. 6	25. 35		
		8. 10			
		12. 15			
	200	8. 10	30. 35		
		12. 15			

1F114F1PROFILE GRINDING DIAMOND CBN GRINDING WHEELS





1F1 14F1 具有圆边，可用于在不同产品上制作型材、凹槽、槽，例如木工成型刀的型材、冷锯片上的齿、石材、玻璃、陶瓷以及硬质合金/高速钢上的凹槽/槽 工具。

我们的1F1 14F1采用超级粘合，可以长时间保留圆边，减少修整次数。

1F1 14F1 is with round edge, which can be used for making profiles, grooves, slots on different products, such as profiles on Wood Mold knives, teeth on cold saw blades, grooves/slots on stone, glass, ceramics and also carbide/HSS tools.

Our 1F1 14F1 are using super bonding, which can retain the round edge for long time, reduce the dressing times.

特点 Features

- 超级树脂粘接
- 高级金刚石/CBN砂轮
- 减少修整次数
- 优异的轮廓保持能力
- 冷却速度快，确保工具不烧伤
- Super resin bonding
- High grade diamond/CBN grinding wheels
- Less dressing times
- Excellent profile retaining ability
- High cooling rate, which can make sure no burn on your tools

应用 Application

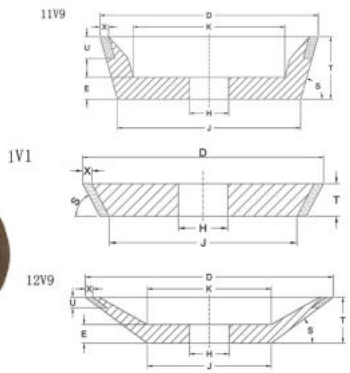
- 木工工具用 14F1 CBN 砂轮 – 模具刀片和冷锯刀片
- 1F1 14F1 钢滚硬质合金滚轮环用金刚石砂轮
- 1F1 14F1 用于陶瓷、宝石和玻璃的金刚石砂轮
- 1F1 14F1 CBN 车轮用于高速钢铸铁汽车零件
- 14F1 CBN wheels for woodworking tools – mould knife blades and cold saw blades
- 1F1 14F1 Diamond wheels for steel rolling tungsten carbide roller rings
- 1F1 14F1 Diamond wheels for ceramic, stones and glasses
- 1F1 14F1 CBN wheels for HSS Cast iron auto part

Dimensions (MM)

D		T	Radius (R)	T&H	X
(mm)	Inch	(mm)	Inch"		
50	3"	5–10	R0. 5， R0. 75, R1, R1. 5, R2. 5, R3, R4, R5.	根据您的要求 TO YOUR REQUEST	3–8mm
75	3"	5–10			3–8mm
100	4"	5–10			3–10mm
150	6"	5–10			3–12mm
175	7"	5–10			3–12mm
200	8"	5–10			3–16mm
250	10"	8–30			3–16mm
300	12"	8–30			3–20mm
350	14"	8–30			3–20mm
400	16"	8–30			3–20mm
450	18"	8–30			5–20mm
500	20"	8–30			5–20mm

1V1 11V9 12V9 RESIN BOND TAPERED FLARE CUP DIAMOND CBN GRINDING WHEEL





金属加工需要铣削、车削、镗孔、钻孔、螺纹加工、切削和切槽刀具。 这些刀具通常由高速钢、工具钢、碳化钨、合成金刚石、天然金刚石、PCD和 PCBN 制成。

所有这些材料均非常坚硬，高于 HRC30。 因此，在磨削它们时，通常需要金刚石或CBN砂轮。 欧瑞昂设计了用于磨锐的树脂结合剂金刚石和 CBN砂轮，以及用于开槽、切槽和外圆磨削的混合结合剂金刚石和 CBN 砂轮。

Metalworking needs tools of milling, turning, boring, drilling, threading, cutting and grooving. These tools are usually made of High-Speed Steel, Tool Steel, Tungsten Carbide, Synthetic Diamond, Natural Diamond, PCD and PCBN.

All these materials very hard, above HRC30. So when grind them, you usually need Diamond or CBN Grinding Wheels.AURELION designed resin bond Diamond & CBN wheels for sharpening them, and hybrid bond Diamond & CBN wheels for fluting, gashing and cylidrical grinding.



特点
Features

- 高轮廓角度保持能力
- 锋利且快速的研磨
- 优异的表面光洁度
- 修整频率低
- 生产效率高
- High Profile Retention Ability
- Sharp & Fast Grinding
- Excellent Surface Finishes
- Long Dressing Interval
- High Productivity

Parameters

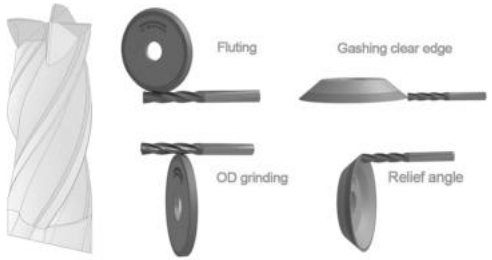
结合剂 (Bond)	树脂/混合 (Resin / Hybrid)	研磨方式 (Grinding Method)	锐化 Sharpening 开槽 Fluting 切缝 Gashing 圆柱形 Cylindrical 磨削 Grinding
车轮形状 Wheel Shape	1A1, 1V1, 11V9, 11A2, 12V9, 12A2, 1A1R	工件 Workpiece	金属切削工具 Metal cutting tools
轮径 Wheel Diameter	75, 100, 125, 150, 200mm	工件材料 Workpiece Materials	碳化钨/高速钢 Tungsten Carbide/High Speed Steel
磨料类型 Abrasive Type	SD, SDC, CBN	行业 Industries	金属加工 金属切削 Metalworking Metal Cutting
粒度 Grit	80/100/120/150/180/220/240/280/320/400	适用磨床 Suitable Grinding Machine	刀具磨床 Tool Cutter Grinder
浓度 Concentration	100, 125,150	手动&数控 Manual or CNC	手动&数控 Manual & CNC
湿磨或干磨 Wet or Dry Grinding	干、湿 Dry & Wet	机器品牌 Machine Brand	Walter Star Vollmerl SELLI

1V1 11V9 12V9 RESIN BOND TAPERED FLARE CUP DIAMOND CBN GRINDING WHEEL



对于整体硬质合金或高速钢刀具在 CNC 砂轮上进行开槽、沟槽或外径磨削，始终需要优质的金刚石 CBN 砂轮。欧瑞昂为该行业开发 G-Power 金刚石 CBN 砂轮。

For Solid Carbide or HSS Tools Fluting, Gashing or OD Grinding on CNC grinding machines, it always needs a super quality Diamond CBN Wheels. develops G-Power Diamond CBN grinding Wheels for this industry.



Features

- 高档角度保留能力
- 锋利且快速的研磨
- 出色的表面处理
- 数料少
- 高产品
- High Profile Retention Ability
- Sharp & Fast Grinding
- Excellent surface Finishes
- Less Dressing
- High Product



应用
Application

磨削的工件: 整体硬质合金/高速钢工具和刀片，比如：端铣刀，钻头，成形铣刀，等等。

Grinding workpiece: Solid Carbide/HSS Round tools & inserts, like endmills, drills, milling tools and others.

适用的CNC工具研磨机 (Applicable CNC Tools Grinding Machine) :
ANCA, WAlter, SCHUTTE, EWAG, SCHNEEBERGER, HUFFMANN And So On.

Parameters

纽带 Bond	树脂/混合 Resin / Hybrid	树脂/混合 Grinding Method	树脂 /混合 Sharpening Fluting Gashing Cylindrical Grinding
车轮形状 Wheel Shape	1A1, 1V1, 11V9, 11A2 12V9, 12A2, 1A1R	工件 Workpiece	金属切削工具 Metal Cutting Tools
轮径 Wheel Diameter	75, 100, 125, 150, 200mm	工件材料 Workpiece Materials	碳化钨高速钢 Tungsten Carbide HSS Steel
磨料类型 Abrasive Type	SD, SDC, CBN	行业 Industries	金属加工 MetalWorking
砂砾 Grit	80/ 100/ 120/ 150/ 180/ 220/ 240/ 280/ 320/ 400	适用磨床 Suitable Grinding Machine	刀具磨床 CNC Cutting Tool Grinding Machines
浓度 Concentration	100,125, 150	手动和数控 Manual & CNC	数控全自动 五轴 CNC full automatic 5 Axis
湿磨或干磨 Wet or Dry Grinding	干、湿 Dry & Wet	机器品牌 Machine Brand	Walter Star Vollmer ISELLI

VITRIFIED BOND SUPERABRASIVE DIAMOND CBN GRINDING WHEELS



陶瓷结合剂超硬（金刚石或CBN)砂轮是最具侵蚀性的砂轮。也由于它是高浓度超磨砂，寿命也比其他键长得多。
如果您要精密磨削和精加工超级磨料 (PCD CBN PCBN CVD MCD ND)、淬火钢或硬质合金，或者磨削非常硬的材料，或者追求高切削率，您需要一款耐用的砂轮，能够承受高磨削力并在副手中表现良好精加工应用中，RZ 陶瓷结合剂砂轮将为您提供您想要的。
Vitrified Bond Superabrasive(Diamond or CBN) grinding wheels are the most aggressive wheels. Also due to it is a high concentration superabrasive grits, the life is also much longer than other bonds.
If you’re precision grinding and finishing Superabrasive (PCD CBN PCBN CVD MCD ND), Hardened steel or tungsten carbides, or grinding on extremely hard materials, or pursuing a high stock removing rates, you need a durable wheel that will withstand high grinding forces and perform well in offhand finishing applications, RZ vitrified bond superabrasive grinding wheels will give you what you want.

特点 Features

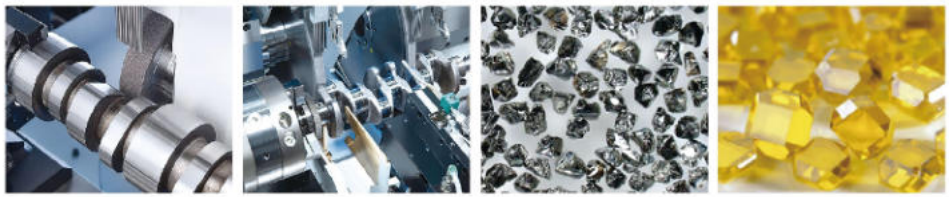
- 精度高，可用于精密切槽和切削，减少工序
- 缩小切割裂纹，大大提高原材料利用率
- 效率高、切削锋利
- 高刚性、高强度、长使用寿命

- High precision, it can be used for precision grooving and cutting, reducing process.
- Narrow cutting crack, greatly improve the utilization ratio of raw materials.
- High efficiency and sharp cutting
- High rigidity, high strength and long service life

应用 Application

- PCD PCBN MCD CVD 切削刀具和刀片磨削
- 曲轴 凸轮轴磨削
- 宝石天然钻石粗加工和研磨
- 汽车配件内圆磨削陶瓷结合剂 CBN 砂轮
- 用于磨切硅片的陶瓷结合剂金刚石砂轮
- 双面磨削陶瓷结合剂金刚石 CBN 磨盘砂轮

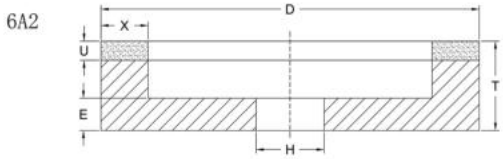
- PCD PCBN MCD CVD Cutting Tool & Inserts Grinding
- Crankshaft Camshaft Grinding
- Gemstones Natural Diamond Bruting And Grinding
- ID Grinding Vitrified bond CBN Wheels For Auto Parts
- Vitrified Bond Diamond Grinding Wheels For Grinding Cutting Silicon Wafer
- Double Face Grinding Vitrified Bond Diamond CBN Grinding Disc Wheels



热门型号(Popular Model): 6A2, 1A1/1A8, 1E1,11V9,12V2.

6A2 VITRIFIED BONDED DIAMOND CBN WHEELS FOR CUTTING TOOLS GRINDING





6A2碗形砂轮专为万能工具磨床、周边磨床以及自动锯、刀具和工具磨床而设计。 通常用于超硬刀具磨削和超硬刀片磨削。这些超硬刀具的材料一般是聚晶金刚石，聚晶立方氮化硼， 单晶金刚石和天然金刚石。
Bowl-shape Grinding wheels is designed for universal tool grinders and Peripheral Grinder. RZ Vitrified Bond 6A2 Cup-shaped Diamond Grinding Wheels are designed for superabrasive cutting tool & inserts’ tip grinding or edge grinding. The superabrasive are usually PCD CBN PCBN CVD MCD and Natural Diamonds.

应用 Application

- 用于PCD、PCBN超硬刀具磨削
- 用于PCBN刀具磨削
- 用于CVD刀具磨削
- 用于单一天然金刚石工具磨削
- 用于多晶金刚石复合片 (PDC) 磨削
- 用于硬质合金制品磨削
- 用于陶瓷产品研磨

- For PCD, PCBN super-hard cutting tools grinding
- For PCBN cutting tools grinding
- For CVD cutting tools grinding
- For single natural diamond tools grinding
- For polycrystalline diamond compacts (PDC) grinding
- For carbide alloy products grinding
- For ceramic product grinding

特点 Features

- 最高研磨效率
- 提高进给速度
- 高清晰度
- 外观漂亮
- 无需修剪工具
- 发烧较少
- 优良的动平衡控制
- 可切割超硬工件

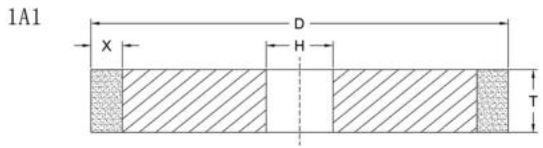
- Highest grinding efficiency
- Increase the feed rate
- High sharpness
- Beautiful appearance
- No trimming tools required
- Less fever
- Excellent dynamic balance control
- It can cut superhard workpieces

Parameters

Code	适用性 Applicability
D181- D91	PCD、PDC、PCBN原材料粗磨或半精磨。 PCD, PDC, PCBN raw materials rough grinding or semi-finish grindnig.
D91-D46	PCD、PDC 、PCBN原材料半精磨或精磨。 PCD, PDC, PCBN raw materials semi-finish grindnig or finish grinding.
D46-D20	PCD、PCBN、CBN、CVD、MCD、ND 刀具和刀片粗磨或半精磨。 PCD, PCBN, CBN, CVD, MCD, ND tools & inserts rough grinding or semi-finish grindnig.
D10-D20	PCD、PCBN、CBN、CVD、MCD、ND 刀具和刀片半精磨或精磨。 PCD, PCBN, CBN, CVD, MCD, ND tools & inserts semi-finish grindnig or finish grinding.
D0.5-D10	PCD、PCBN、CBN、CVD、MCD、ND 刀具和刀片精磨或抛光。 PCD, PCBN, CBN, CVD, MCD, ND tools & inserts finish grinding or polishing.

VITRIFIED BOND CBN GRINDING WHEEL FOR CRANKSHAFT AND CAMSHAFT





陶瓷结合剂是超级锋利的结合剂， 因此，陶瓷结合剂超硬砂轮再磨削的时候非常激进，尤其是在大批量磨削的时候。 而曲轴和凸轮轴通常是由铸铁，锻钢，或者粉末冶金的钢铁制造的，它们都属于黑色金属，所以陶瓷结合剂CBN砂轮非常适合。

Vitrified Bond is super sharp bonding, so it is performing very well on aggresive grinding, espceailly on large quantitiies. Well, crankshaft and camshaft are usually made of cast iron, forged steel, or powdered metallurgy. They are all ferrous metals, so a vitrified bond CBN wheels is a great prodcut for grinding them.

特点
Features

- 高精准度
- 加工稳定
- 寿命长
- 轻松敷料
- 修整间隔时间长

- High precision
- Stable processing
- Long life
- Easy dressing
- long dressing interval

应用
Application

曲轴和凸轮轴材料包括铸铁、灰铁、钢和粉末冶金等。 该款磨曲轴凸轮轴砂轮可用于粗糙磨削、精磨削和大进给磨削。 正常速度为80-160m/s。 轮子可单、双、组使用。 可提供一系列陶瓷结合剂。

Crankshaft and Camshaft are usually made of cast iron, grey iron, forged steel and powder metallurgy. Crankshaft camshaft wheels can be used for roughness grinding, finishing grinding and large feed grinding. Normal speed is 80-160m/s. Wheels can be single, double, group used. A series of vitrified bond can be provided.

配套磨床(Supporting grinder): JUNKER, SCHAUDT, LANDIS, TOYODA.







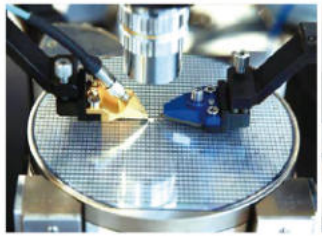


Parameters			
模型 Model	D(mm)	H/U(mm)	T(mm)
1A1	300-650	5-10	10-50
3A1/14A1	300-650	5-10	10-50
3F1	300-650	5-10	10-50
14LL1	300-650	5-10	10-50

我们还可以根据客户的要求设计、制造非标砂轮。

We can also design and make nonstandard grinding wheels according to customer's requirement.

DIAMOND GRINDING WHEELSFOR SEMICONDUCTOR INDUSTRY







我们为半导体行业和光伏行业设计了系列金刚石砂轮。它们包括减薄砂轮，划片刀，精密切割砂轮和金刚线。加工工件有硅片、单晶硅、封装切割、合成蓝宝石、氧化铝陶瓷、EMC、PCB。加工方式有背面减薄、粗精磨、磨边、划片、精密切割等。我们的金刚石砂轮在耐磨性、质量一致性和经济成本效益方面表现良好。

We designed series of diamond grinding wheels for Semiconductor Industry industries & Photovoltaic Industry. They include Thinner Grinding Wheels, Dicing Blades, Precision Cutting Wheels and Diamond Wires. The workpieces are Silicon Wafers, Monocrystalline Silicon, Package Singulation, Synthetic Sapphiers, Alumina Ceramics, EMC, PCB. The processing methods are back thinning, rough & fine grinding, edge grinding, dicing and precision cuttting. Our diamond wheels are performing well on wear resistance, quality consistency and economically cost-effective.

半导体减薄砂轮
Semiconductor Thinner Grinding Wheel



减薄砂轮主要应用于半导体晶圆的减薄和精研加工。我公司生产的减薄砂轮可替代进口产品，在日本、德国、美国、韩国及国产磨床上表现稳定，性能优秀，性价比高。

Back Thinner Grinding Wheels are applied in silicon wafter thinner and fine grinding. Our thinner grinding wheels are performing stable and cost-effective on Janpanese, Germany, Korea, and Chinese Branded Machines.

晶圆划片刀
Wafer Dicing Blades



公司的划片刀有树脂结合剂、金属结合剂、陶瓷结合剂和镍基结合剂。该产品表现优异，毛刺少，不堵塞，而且锋利。

Dicing blades are in resin bond, metal bond, vitrified bond and nickel bond. They are performing well, on less burrs, non-clogged and sharp cutting.

精密切割片
Precision Cutting Blades

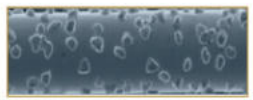


金刚石切割砂轮：主要用于陶瓷、水晶、石英、宝石、硬质合金、磁性材料、电光波玻璃管、光学玻璃等硬脆材料的切槽和切断。

Diamond cutting grinding wheel: mainly used for ceramics, crystal, quartz, gemstones, carbide, grooving and cutting of hard and brittle materials suchas magnetic materials, electro-optical glass tubes, and optical glass.

金刚线
Diamond Wires

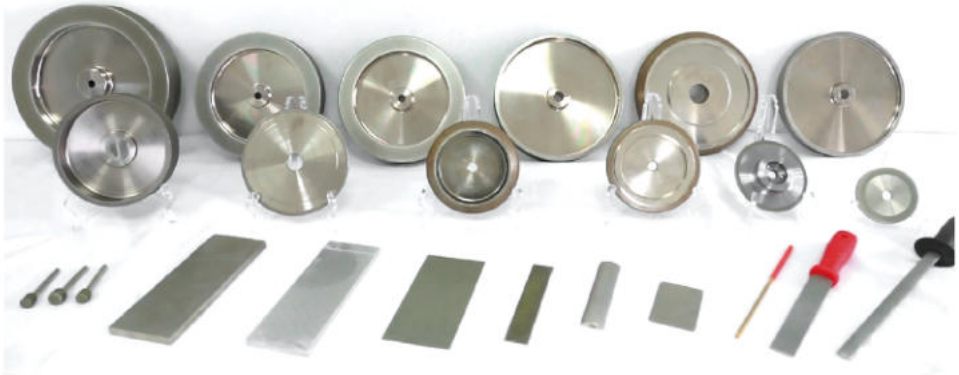




金刚线采用电镀镍的方式将金刚石颗粒镀覆在超精细钢丝表面，主要用于晶硅切割。采用高碳钢材加工制成的高强度钢丝，全流程的金刚线产品制备工艺和智能自动化电镀设备上应用镀镍上砂工艺，产品上砂均匀性、镀层均匀性和高强度的金刚石颗粒把持力。

Diamond wires uses nickel electroplating to coat diamond particles on the surface of ultra-fine steel wires,mainly used for crystal silicon cutting.
We use high strength steel wires as Mother Wire, adopt entire process quality control and automatic electroplating technology. It keeps good distribution of diamond grits, consistency of diamond layer and strong grit holding ability.

ELECTROPLATED DIAMOND CBN GRINDING WHEELS & TOOLS



电镀金刚石/立方氮化硼产品由附着在钢，铝和铜表面的单层或多层（取决于应用）金刚石或立方氮化硼颗粒制成。与传统砂轮相比，具有寿命长、无粉尘、不损失砂轮直径、冷却磨削、形状复杂、适合仿形磨削、成型磨削、无需修整等诸多优点。因此，它们广泛应用于硬质合金和高速钢工具修磨（木工刀具，金属加工刀具，工业锯片、刀和刀片）；精密磨削先进陶瓷，淬火钢，硬质合金等；成形磨削各种工具和材料；珠宝抛光等。因此电镀金刚石/CBN产品在许多行业中逐渐取代传统砂轮。越来越多的客户选择电镀金刚石/CBN 产品而不是传统的砂轮。

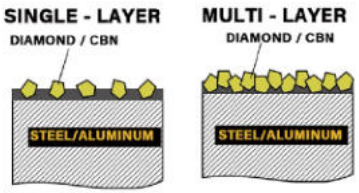
Electroplated Diamond/CBN Products are made of a single layer or multi-layers (depending on application) of diamond/CBN grits that are attached to steel, aluminum or copper. Comparing with traditional abrasive wheels, it has lots of advantages: longer life, no dusts, no loss of wheel diameter, cooling grind, complex shapes, suitable for profiling and forming grinding, no need dressing and etc. They are therefore broadly applied in sharpening of carbide and HSS tools(woodworking, metalworking, industrial saw, knives & blades); precision grinding of advanced ceramic, hardened steels, tungsten carbides and etc; forming and profiling of kinds of tools and materials; and lapidary & Gemstone polishing. So electroplated Diamond/CBN products are taking the place of traditional abrasive wheels gradually in many industries. More and more of our customers are choosing electroplated Diamond/CBN products instead of traditional abrasive wheels.

工艺介绍
Technology Introduction

电镀金刚石/立方氮化硼工具由单层或多层（取决于应用）金刚石或立方氮化硼颗粒制成，这些颗粒使用镍基体附着在工具表面。工具主体通常是钢，铝或者铜。

Electroplated Diamond/CBN Tools are made of a single layer or multi-layers (depending on application) of either diamond or CBN particle that are attached to the tool surface using a nickel matrix. The tool body is usually steel, aluminum or copper.



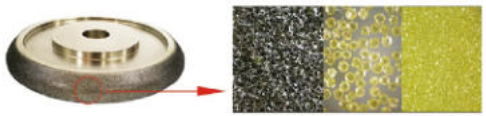


开发具有多层金刚石 CBN 的高质量金刚石 CBN 工具。 多层金刚石CBN刀具使用寿命更长。

Develops high quality diamond CBN tools with multi diamond CBN layers. Multi-layer diamond CBN tools are with longer life time.

高品质金刚石/CBN为您带来高品质工具。 为我们的工具选择了合适的优质金刚石和 CBN 磨料。

High quality Diamond / CBN bring you high quality tool selected suitable premium quality diamond and CBN abrasive for our tool.



SELECTED DIAMOND/ CBN

ELECTROPLATED DIAMOND CBN GRINDING WHEEL FOR BAND SAW BLADE





电镀CBN/金刚石带锯修磨砂轮是在钢基体上电镀CBN/金刚石。它最大限度地减少了锯齿断裂，灰尘的产生，并且根本不需要修整。高质量的金刚石/CBN镀层极大地提高了砂轮寿命，并确保修磨齿形的一致性。

CBN适用于双金属、钢、合金钢和淬火钢制带锯条；金刚石砂轮适用于硬质合金带锯条。

Electroplated CBN/diamond band saw sharpening wheel is coated with CBN/ Diamond on steel body. It minimizes saw teeth breakage, dust generation, and no need dressing at all. The high quality diamond/CBN coating enhances wheel durability, and ensures consistent sharpening results.

CBN is suitable for bi-metal, steel, alloy steel and hareded steel blades; Diamond is recommeded for tungsten carbide blades.

特点
Features

发热少，磨削效率更高，寿命更长，更适合磨削带锯.

钢体坚固耐用，永不变形。 一个砂轮可以帮助您磨削 1000 多把带锯.

优质钢体和精选CBN磨料，质量等于或优于原装品牌砂轮.

Less heat generation, higher grinding efficiency and longer life, more suitable for grinding band saws.

The steel body is strong and durable and will never deform. One grinding wheel can help you grind more than 1000 bandsaws.

High quality steel body and selected CBN abrasives, the quality equals or better than origional brand wheels.

应用
Application

适用机器品牌(Applicable Machine Brand): Wright, Vollmer, Wood-Mizer, Colonial Saw, Amada, Cooks, WOODLAND MILLS, TimberKing, WESTRON, Holzmann, NEVA, ISELI, Hud-Son, ZMJ, YOKEN.

锯片适用(Saw Blade Applicable): Simonds, Lenox, Wood-Mizer, Dakin-Flathers Ripper, Timber Wolf, Lenox Woodmaster, Munkfors, Fenes, Armoth, Ro-Ma, Wintersteiger, MK Morse, Forezienne, Bacho, Pilana, Disston.

Parameters

直径 (Diameter)	齿距 (Tooth Space)	孔径 (Bore Diameter)	磨料 (Abrasives)	齿形 (Profiles)
5" -127	7/8" , 1" , 1-1/8"	1/2" -12.7 or as requested	立方氮化硼或金刚石 CBN or Diamond	10/30, 9/29, 4/32, 7/39.5
6" -150	7/8" , 1" , 1-1/8"	1-1/4" -31.75 or as requested	立方氮化硼或金刚石 CBN or Diamond	10/30, 9/29, 4/32, 7/39.5
8" -203.20	7/8" , 1" , 1-1/8"	1-1/4" -31.75/32 or as requested	立方氮化硼或金刚石 CBN or Diamond	10/30, 9/29, 4/32, 7/39.5
10" or 12"	7/8" , 1" , 1-1/8"	1-1/4" -31.75/32 or as requested	立方氮化硼或金刚石 CBN or Diamond	10/30, 9/29, 4/32, 7/39.5

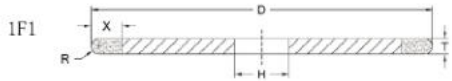
可定制产品！ 请联系我们了解更多！ 谢谢你！

Customized products can be made! Please contact us to talk more! Thank you!

DIAMOND CBN GRINDING WHEELFOR CHAINSAW SHARPENING







链锯齿通常由硬钢制成，有时也有碳化钨。我们设计了电镀金刚石/CBN和树脂结合剂金刚石/CBN砂轮用于磨削它们。电镀CBN砂轮是最受欢迎的砂轮，因为它不变形，不需要修整，直径不变小的这些有点让你从容地修磨你的链锯。如果你需要树脂结合剂或金刚石砂轮，它们也可以定制。

Chain Saw Teeth are made of hard steel usually, sometimes there is tungsten carbide teeth too. We designed electropalted and resin bond Diamond/CBN grinding wheels for grinding them. Electroplated CBN wheels are the most popular ones. Because it doesn't deform, no need dressing, and the diameter kept same always, it will save your time greatly. Well, if you need resin bond or diamond grinding wheels, they can be customized too.

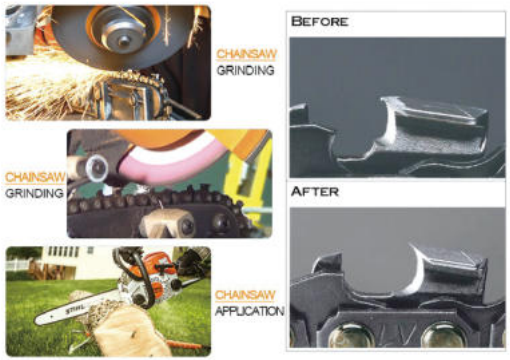
Dimensions (MM)

直径 Diameter	厚度 Thickness	孔径 Bore	圆弧 Arc	磨料 Abrasive	结合剂 Abrasive		PITCH
4"/5" 5-3/4" 8"	1/8"	1/2" 7/8" 1/2"	R1.6	PA, SA	树脂/陶瓷	Resin/Vitrified	1/4", 0.325", 3/8"LP(Low Profile)
				CBN, Diamond	电镀/树脂	Electroplated/Resin	
4"/5" 5-3/4" 8"	3/16"	1/2" 7/8" 1/2"	R2.4	PA, SA	树脂/陶瓷	Resin/Vitrified	3/8", 0.404", 7/16"
				CBN, Diamond	电镀/树脂	Electroplated/Resin	
4"/5" 5-3/4" 8"	1/4"	1/2" 7/8" 1/2"	R3.2	PA, SA	树脂/陶瓷	Resin/Vitrified	1/2", 9/16", 5/8", Rakers
				CBN, Diamond	电镀/树脂	Electroplated/Resin	
4"/5" 5-3/4" 8"	5/16"	1/2" 7/8" 1/2"	R4.0	PA, SA	树脂/陶瓷	Resin/Vitrified	3/4" Harvester
				CBN, Diamond	电镀/树脂	Electroplated/Resin	

购买前请确保该轮子适合您的机器（Please make sure this wheel fits your machine before buying）

磨削方式 Grinding Method





适用机器品牌（Applicable Machine Brand）: Oregon, Timberline, Xtremepower, Powerfist, VEVOR, Harbor Freight Tools, Tecomec Evo Bench, Maxx Bench, Simington, LOGOSOL, The Franzen, Husqvarna, BELL, FOLEY, STIHL,WINDSOR, BELSAW, JOLLY, PEERLESS, TECOMEC, MAXX, ROUGHNECK, TIMBER TUFF, EFCO, NEILSEN - BELL, SILVEY, TOTAL.

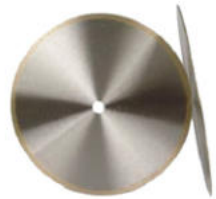
锯片适用（Saw Blade Applicable）: Stihl, Briggs & Stratton, Kohler, Tecumseh, Echo, Kawasaki, Honda, Robin, Yamaha, Wacker, Oleo Mac, Partner, Craftsm, Husqvarna.

METAL BOND DIAMOND GRINDING WHEELS









金属结合剂金刚石砂轮是一种高性能的研磨工具。它的主要特征是它使用金刚石颗粒作为磨料颗粒和金属粉末（例如镍，钴，铁等）作为粘合剂，并在高温和高压下烧结。这种类型的磨轮因其出色的耐磨性，高温稳定性和切割效率而受到青睐。

The metal bonded diamond grinding wheel is a high-performance grinding wheels & tools. Its main feature is that it uses diamond particles as abrasive particles and metal powder (such as nickel, cobalt, iron, etc.) as a bonding agent, and is sintered under high temperature and high pressure. This type of grinding wheel is favored for its excellent wear resistance, high temperature stability and high profile retention.

特点 Features

- 超高耐磨性
- 高热稳定性
- 高保形性
- Super Wear Reistance
- High-temperature stability
- High profile Retention

应用 Application

精密磨，切，钻玻璃，石材，陶瓷等。
精密磨削，珩磨工具，刀具，硬化钢，汽车部件和航天部件等。
金属烧结的金刚石修整工具。
Precision grinding, cutting & drilling of glass, Stone, Ceramic .
Precison grinding & honing of tools, hardeded steels, automobile parts, aeroscape parts and etc.
Metal bond sintered diamond dressing tools.

Parameters

D		T		H	X
(mm)	Inch	(mm)	Inch"		
100	4"	5-25. 4	0. 2-1"	根据您的要求 TO YOUR REQUEST	3-12mm
150	6"	5-25. 4	0. 2-1"		3-12mm
175	7"	5-25. 4	0. 2-1"		3-16mm
200	8"	5-50. 8	0. 2-2"		3-16mm
250	10"	5-50. 8	0. 2-2"		3-20mm
300	12"	10-50. 8	0. 4-2"		3-20mm
350	14"	10-50. 8	0. 4-2"		3-20mm
400	16"	10-50. 8	0. 4-2"		3-20mm
450	18"	10-50. 8	0. 4-2"		5-20mm
500	20"	16-50. 8	0. 6-2"		10-20mm
600	24"	16-50. 8	0. 6-2"		10-20mm

GLASS GRINDING WHEELS



欧瑞昂设计了一系列磨玻璃的金刚石磨边轮和抛光砂轮，它们具有良好的质量，用于抛光建筑玻璃、家具玻璃、装饰玻璃等。无论在手动玻璃磨边机还是CNC全自动磨边机，不管是低速还是高速磨边机，我们的砂轮都有着优异的表现。

AURELION has designed a series of edge grinding diamond wheels and polishing wheels, which are of good quality and used for polishing architectural glass, furniture glass, decorative glass, etc. Whether it is a manual glass edge grinding machines or a CNC fully automatic edge grinding machines, whether it is a low-speed or high-speed edger, our grinding wheels have excellent performance.

特点 Features

- 透明性能，满足抛光效果高要求
- 硬度适中，不易塌边
- 弹性好
- 超过500米续航时间，工作更高效
- 耐磨性好

- Transparent performance, satisfy high request on polishing effect
- Moderate hardness, not easy to collapse edge
- Good elasticity
- Over 500 meter life times, more efficient on work
- Good wear resistance

应用 Application

玻璃最终抛光，适用于形状磨床和直线铅笔/平面/OG机器。

Glass Final Polishing, for Shape Grinding Machine & Straight-line pencil/flat/OG machine.






Parameters

产品名称 Products	直径 Diameter(MM)	孔径 Bore(MM)	砂轮厚度 Wheel Thick(MM)	玻璃厚度 Glass Thick(MM)	适用机器 Applicable machines
BD轮 BD Polishing Wheel BK轮 BK Polishing Wheel 金刚石砂轮 Diamond Grinding Wheel	50	12	10/15/20/25/30	2-20	玻璃直线升降斜边机 Glass Straight-Lift Beveling Machine 玻璃直线磨边机 Glass Linear Edging Machine 玻璃双边机 Glass Bilateral Machine 玻璃异形机 Glass Profiler Machine 玻璃数控中心 Glass CNC Center
	100	22			
	120				
	130				
	150				
	175				
	200	22/90			

DIAMOND DRESSING TOOL DIAMOND DRESSERS AND DIAMOND DRESSING ROLLERS



当砂轮变钝或需要整形时，整形和修整是必要的。金刚石修整器和修整辊可以帮助您获得最大的砂轮性能。

在欧瑞昂我们提供天然金刚石和合成金刚石的修整工具，通常是单晶金刚石、CVD和PCD。采用金属结合烧结和电镀技术将其附着在钢芯上。

单点金刚石修整器、多点金刚石修整机、金刚石轮廓辊修整器和金刚石数控辊修整器均可用。

When gridning wheels becomes dull or need reshaping, truing and dressing is necessary. Diamond dressers and dressing rollers can help you achieve maximum grinding wheel performance.

At AURELION we supplied dressing tools in Natural Diamond and Sythetic Diamond, which are usually Mono Crystal Diamond, CVD and PCD. They are attached to the steel core with technology of metal bond sintered and electroplated.

Single Point Diamond Dresser, Multi Point Diamond Dresser, Diamond profile roller dressers and Diamond CNC roller dressers are all available.

特点 Features

- 单位工件修整成本低
- 发挥机器和砂轮最优性能
- 自动化修整
- 保证每次精密修整
- 快速修整复杂形状

- Low dressing costs per workpiece
- Optimized utilization of machine & grinding wheels capacity
- Automatic dressing process
- High precision of every dressing
- Rapid dressing complex profiles

应用 Application


单点金刚石修整器系列
Single-point Diamond Dresser Series


金刚石成型刀（斧头修理刀）系列
Diamond Forming Knife (AxeRepair Knife) Series


天然金刚石砂轮刀系列
Natural Diamond GrindingWheel Knives Series


多点金刚石修整器系列
Multi-point Diamond Dresser Series


成型金刚石滚轮
Formed Diamond Roller


数控修整滚轮
CNC Dressing Roller