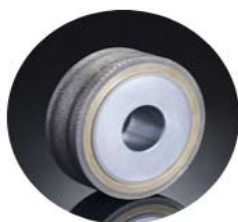


Xinxiang New Zuan Diamond Tools Co., Ltd.



Provide Diamond & CBN Grinding Wheels

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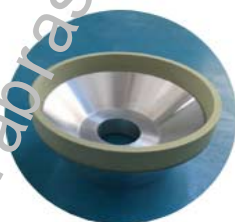
Metal Bonded Grinding Wheels

- Metal Bonded Wheels have High efficiency, good self-sharpening, high stock removal, strong hold and good abrasion resistance



Resin Bonded Grinding Wheels

- Resin bonded wheels have good self-sharpening, sharp cutting, high efficiency, low roughness of workpiece surface



Vitrified Bonded Grinding Wheels

- Vitrified bonded wheels have sharp cutting, high efficiency, long life, less heat and jam generated in grinding, easy control of the precision and easy dressing



Electroplated Grinding Wheels

- Electroplated Wheels have high grain density, sharp grinding, high efficiency, good precision, without dressing

Table of contents

Company Profile.....	3
Wheel Shapes.....	4
Superabrasivetools for CNC Tools.....	5
Superabrasive Grinding Wheels for Woodworking Tools.....	6
Peripheral Diamond Grinding Wheels for Indexable Inserts.....	7
Diamond Grinding Wheels for PCB Tools.....	8
Centerless Grinding Wheels.....	9
Diamond Grinding Wheels for PCD/PCBN Tools.....	10
Superabrasive lapping wheels.....	11
Superabrasive Grinding Wheels Series for Auto Processing Industry.....	12
.....	13
CBN Grinding Wheels for Valve.....	14
Superabrasive Internal Grinding Wheels.....	14
Optical Glass Grinding Series:.....	15
Diamond Grinding Wheel for gem.....	16
Back Grinding Wheels for Silicon Wafer Sapphire.....	16
Superabrasive Grinding Wheels for Foiler.....	17
Diamond Grinding Wheels for Sanding Belt.....	18
Diamond Grinding Wheel for Magnetic Materials.....	18
Diamond Grinding Wheels for Photoelectric Ceramic.....	19

[New Zuan Diamond Tools](#) is a professional manufacturer and supplier of superhard tools. It is located near Zhengzhou where is the birthland of abrasive in China. Our main products include grinding wheel series, dicing blade series, abrasive belt series, rotary dresser series, honing series, etc.

Grinding wheel series:

Diamond and CBN grinding wheels,

Metal bond, resin bond, electroplated bond, vitrified bond grinding wheels,

Centerless grinding wheels, cylindrical grinding wheels, internal grinding wheels, flat grinding wheels, and etc,

High precision, stable quality, good wear resistance, and also provide customized service.

Dicing blade series:

Diamond abrasive, Resin bond, metal bond, and electroplated bond, Hub type and hubless type

High precision and stable quality

Abrasive belt series:

Diamond abrasive belt and CBN abrasive belt

Resin bond and electroplated bond

Resin bond diamond abrasive belt for HVOF with excellent performance is a featured product.

Rotary dresser series:

Diamond abrasive, high precision, stable quality, can be made according to customer's precision requirements with different technologies.

Honing series:

Can produce diamond and CBN honing sticks to replace perfectly SUNNEN series honing sticks, also produce honing mandrels to be perfectly matched with SUNNEN series honing machines. We have small horizontal and vertical honing machines.

Lapping wheels:

Diamond and CBN lapping disc, Resin bond, vitrified bond and metal bond, Good wear resistance, good surface quality of the workpiece

All kinds of bond lapping discs can be customized according to the customer's needs. Our company can also sell the double-sided lapping machines.

Pellet series:

Diamond pellets

Resin bond and metal bond, Used for grinding and polishing all kinds of optical glass, Stable performance

Can also produce all kinds of grinding wheels and cut-off wheels for optical glass, and can provide the customized service according to customer's need.

Contact:

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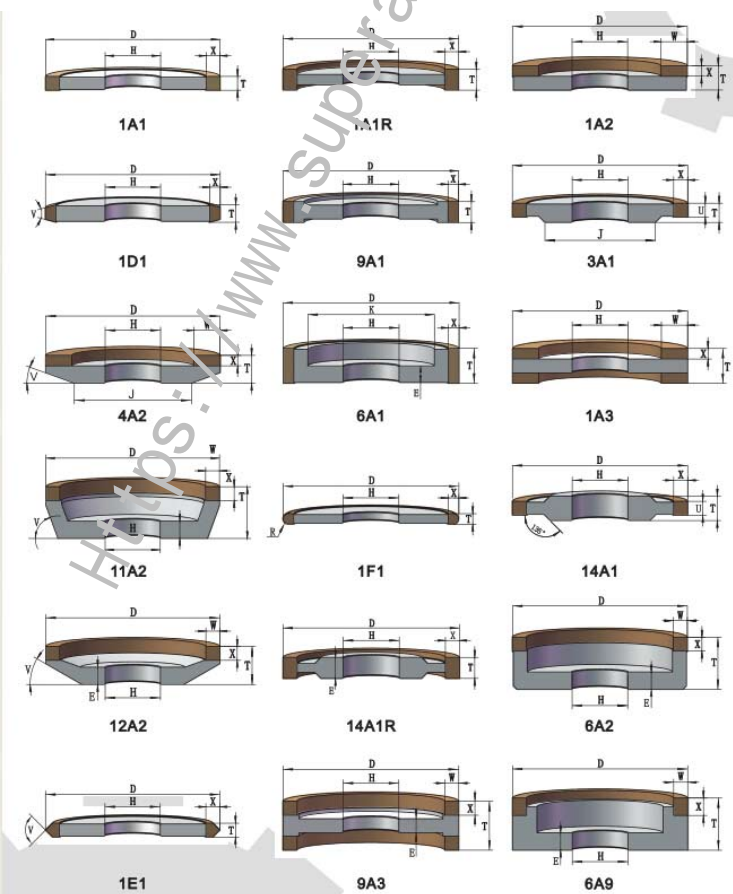
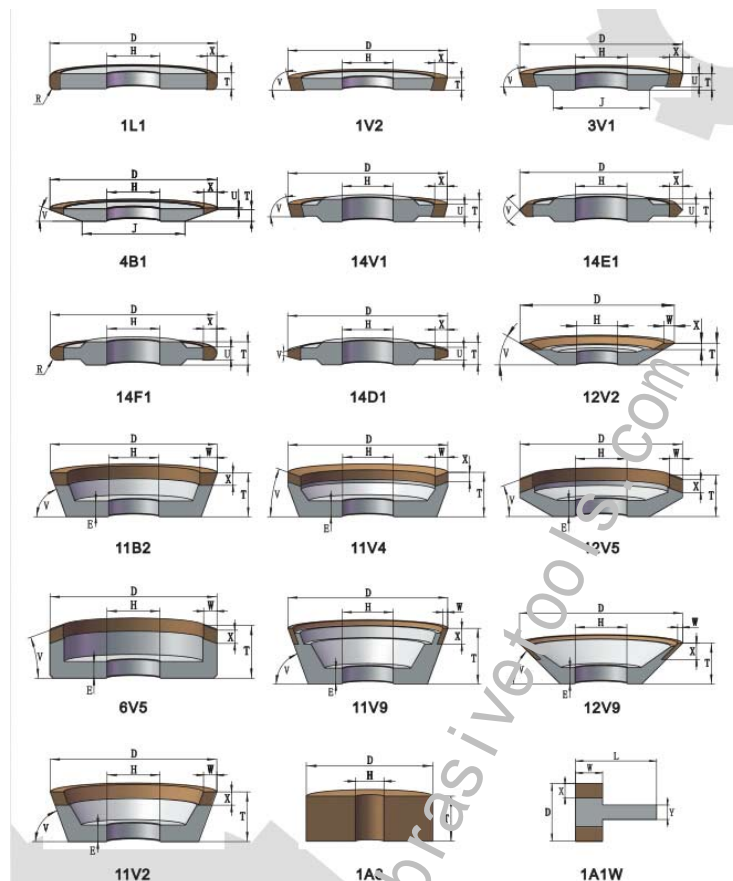
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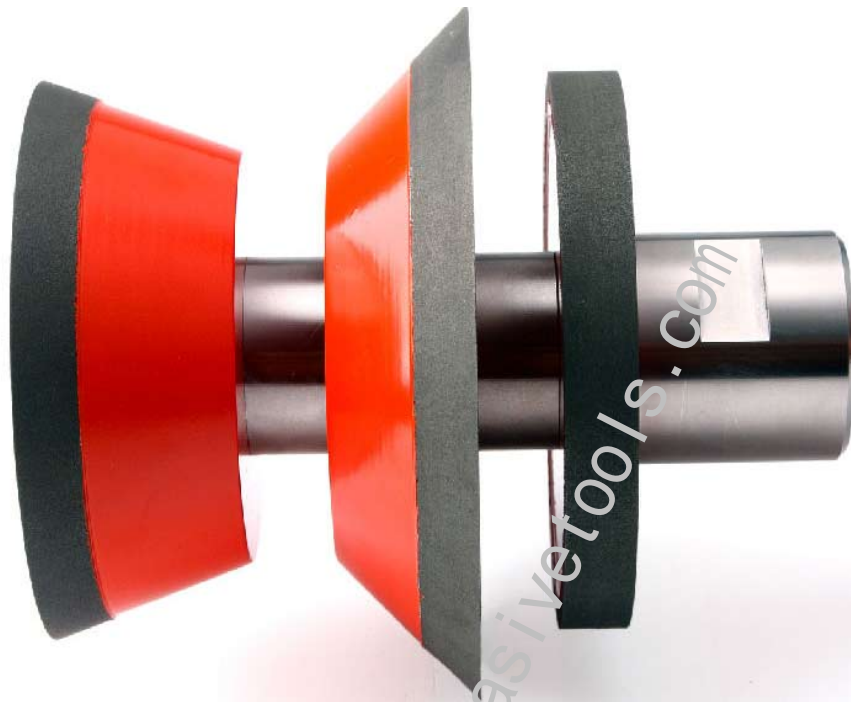
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Superabrasive Grinding Wheels for CNC Tools



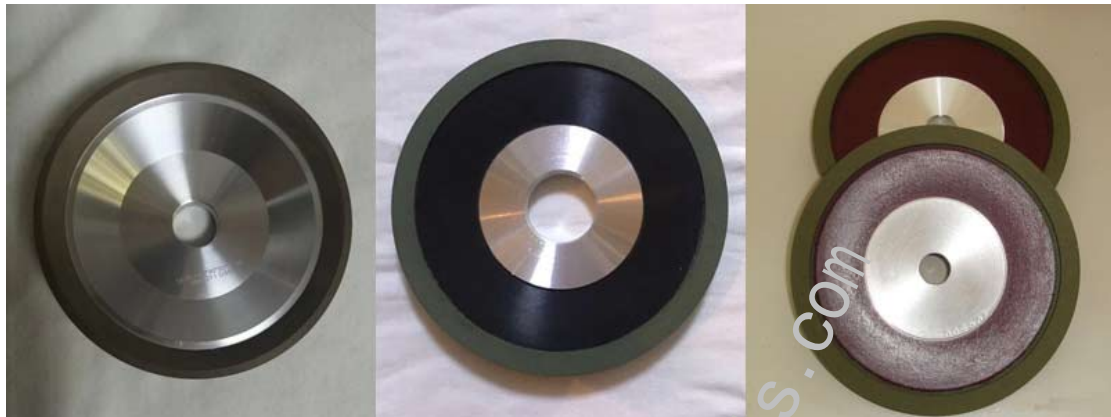
Application:

Mainly used for tungsten carbide, high-speed steel(HSS), stainless drill, end mill and reamer.

Models:

Model	Specification	
1A1	D×T×H×X	
	D	40-200
	X	3-15
	T	2-30
1V1	D×T×H×X	
	D	40-200
	X	3-15
	T	2-30
11V9	D×T×H×X×U	
	D	50-150
	X	2-10
	U	3-15
12V9	D×T×H×X×U	
	D	50-150
	X	2-10
	U	3-15

Superabrasive Grinding Wheels for Woodworking Tools



Application:

Mainly used for grinding the circular saw blades made of tungsten carbide, high speed steel and PCD, top, face and side sharpening of CNC, processing woodwork drills and mills.

Models:

Model	Specification	
4A2	$D \times T \times H \times W \times X$	
	D	50-250
	W	3-15
	X	2-10
12V9/12V2	$D \times T \times H \times W \times X$	
	D	50-250
	W	3-15
	X	2-10
11AA9	$D \times T \times H \times W(W1+W2) \times X$	
	D	75、100、125
	W1+W2	(2.5+2.5) (3+2)
	X	4-8
14AA1/14A1	$D \times T \times H \times X \times U (U1+U2) / U$	
	D	75-200
	X	3-15
	U	3-10
4A9	$D \times T \times H \times X \times U$	
	D	75-200
	X	3-15
	U	3-10

Peripheral Diamond Grinding Wheels for Indexable Inserts



Application:

Mainly used for tungsten carbide, ceramic, cermet, PCBN, PCD and etc

Models:

Model	Specification	
2A2T	D×T×H×W×X	
	D	250
	W	5-18
	X	6-10
11A2T	D×T×H×W×X	
	D	300,350,400
	W	3-18
	X	6-10
12A2T	D×T×H×W×X	
	D	220,350,400
	W	3-18
	X	6-10
6A2M	D×T×H×W×X	
	D	300,350
	W	5-30
	X	6-10

Diamond Grinding Wheels for PCB Tools



Features:

Good shape retention, perfect blade quality, good wear resistance and long life

Application:

Mainly used for grinding welded or holistic milling cutter and drills for processing PCB

Models:

Model	Specification	
4BT1/3A1	$D \times T \times H \times X$	
	D	75-250
	X	3-10
	U	1-5
6AA2/6A2	$D \times T \times H \times W(W1+W2) \times X$	
	D	75-150
	W1+W2	(4+6), (5+5) /10
	X	3-5
12M1B	$D \times T \times H \times X \times U$	
	D	125-220
	X	5-20
	U	5-20

Centerless Grinding Wheels



Features:

Efficient batch cylindrical grinding, high roundness and cylindricity of workpiece and good consistency of dimension, good surface finish after finish grinding, used for rough grinding, semi-finish grinding and finish grinding

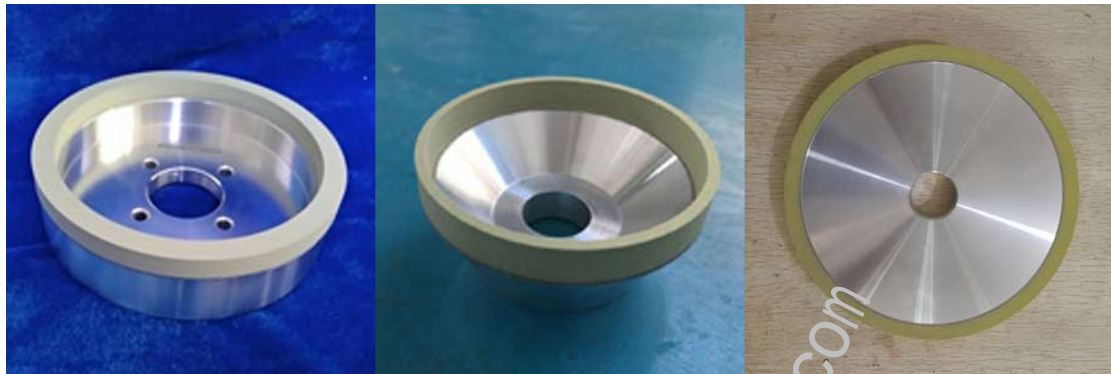
Application:

Mainly used for tungsten carbide, ceramic, magnetic material, stainless steel bar, PCD and PCBN composites

Models:

Model	Specification	
1A1	D×T×H×X	
	D	125-600
	T	50-350
	H	75,127,203
	X	5,10
6A1	D×T×H×X	
	D	125-600
	T	50-350
	H	75,127,203
	X	5,10
9A1	D×T×H×X	
	D	125-600
	T	50-350
	H	75,127,203
	X	5,10

Diamond Grinding Wheels for PCD/PCBN Tools



Features:

Long service life, stable quality
 High efficiency, coarse grinding sharp
 Good surface finish after grinding
 Diamond abrasive
 Resin and vitrified bond

Application:

PCD,PCBN tools

Models:

Application	Model	Specification			
		D	T	H	X
Cylindrical grinding/ Plane grinding	1A1 9A1	150	20	32	5
		200	25	31.75	5,10
		250	25	32	
		300	40	127	
		350	20,40	127	
		400	50,60	203	
		600	50	305	
Centerless grinding	1A1 9A1	350	125	127	5,10
		400	150	203	
		500	150	203	
		510	205	305	20
Face grinding	6A2,6A2T	100,150,200,250	40	20.32.40	10,20

Superabrasive lapping wheels



Resin Bond Superabrasive lapping wheels

Application:

Parts of air conditioning compressor: cylinder block (grey cast iron or nodular cast iron), sleeve (alloy cast iron), Slide (high speed steel)

Hydraulic parts: vane of vane pump (high speed steel)

Tungsten carbide cutting tools: cutters (YG tungsten carbide)

Magnetic material: magnetic soft ferrite material

Sapphire, glass, crystal, zircon

Models:

Model	Specification	
6A2M	$D \times T \times H \times W \times X$	
	D	250-1200
	W	10-350
	X	3-10
6A2H	$D \times T \times H \times W \times X$	
	D	250-1200
	W	10-350
	X	3-10

Vitrified Bond Superabrasive lapping wheels

Application:

Sealing components: silicon carbide, alumina ceramics, zirconia ceramics, cermets, etc

Tools: carbide, PCD, PCBN, high speed steel

Ceramic valves

All kinds of powder metallurgy and YG series carbide products

Models:

Model	Specification	
1A2T	$D \times T \times H \times W \times X$	
	D	534-1200
	W	10-350
	X	3-10
6A2B	$D \times T \times H \times W \times X$	
	D	534-1200
	W	10-350
	X	3-10

Superabrasive Grinding Wheels Series for Auto Processing Industry



Vitrified Bond CBN Grinding Wheels with Camshaft, Crankshaft and Gear Shaft

Application:

Mainly used for high efficiency high speed grinding of the camshaft or CAM

Mainly used for high efficiency high speed grinding of crankpin, main journal, flange neck, thrust face and end face

Electroplated Grinding Wheel for Crankshaft

Application:

Used for rough grinding the camshaft of motor

Applied material for the above 2 kinds of grinding wheels

Cast iron: Chilled cast iron, nodular cast iron, grey cast iron, alloy cast iron, etc.

Steel: 20Cr, GCr15, CF53, 45# steel, 55# steel, 80B high carbon steel

Specifications

Specifications of Grinding Wheel for Crankshaft

Model	Specification	
1A1	D×T×H×X	
	D	400-950
	X	5-10
	T	10-50
3A1	D×T×H×X×U	
	D	400-950
	X	5-10
	U	10-50
14LL1	D×T×H×X×U	
	D	400-950
	X	5-10
	U	10-50

Specifications of Grinding Wheel for Camshaft

Model	Specification	
1A1	D×T×H×X	
	D	100-750
	X	3-10
	T	10-70
14A1	D×T×H×X×U	
	D	100-750
	X	3-10
	U	10-70
9A1B	D×T×H×X×(U1+U2)	
	D	100-400
	X	3-10
	U1,U2	10-30
3A1	D×T×H×X×U	
	D	100-750
	X	3-10
	T	10-70
3Q1	D×T×H×X	
	D	50-150
	X	10-15
	U	5-20
9A1	D×T×H×X	
	D	350-750
	X	3-10
	T	20-70

CBN Grinding Wheels for Valve



Electroplated bond and vitrified bond

Application:

Mainly used for form grinding auto engine(arc, slope, cylindrical and other parts of intake& exhaust)

Workpiece material: 20Cr, 20CrMo, middle carbon alloyed steel, high temperature steel, 40Cr, 40Cr9Si2Mo, etc.

Superabrasive Internal Grinding Wheels



Application:

Hydraulic tappet of auto motor, pump stator of auto, roller, cylinder, flange cover of air condition compressor

Optical Glass Grinding Series:

Flat Diamond Milling Grinding Wheels: used for rough grinding and finish grinding of optical glass such as lens, prism and etc.



Sphere Diamond Milling Grinding Wheels:

used for spherical milling grinding and chamfering such as optical lens, optical glass, etc.



Side Grinding Wheels, Forming Grinding Wheel Mold:

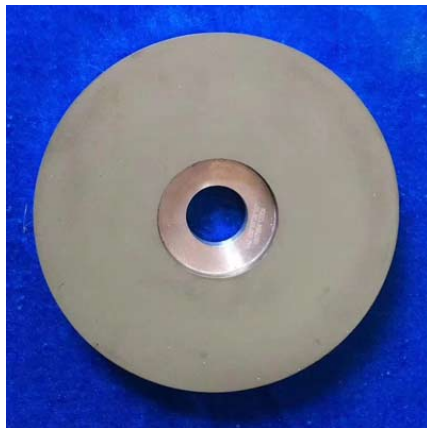
For optical glass



such as lens, prisms forming, chamfering and side grinding

Click [here](#), check the detailed parameter information of optical glass processing

Diamond Grinding Wheel for gem



Suitable for polishing zircon, crystal, etc

Specifications	1A1-350 × 440 × 127 × 10
	1A2 -400× 20× 27× 141× 5
	1A2 -400× 21× 27× 145× 6

Back Grinding Wheels for Silicon Wafer Sapphire



Application:

Used for sapphire substrate epitaxial wafer, Sic substrate epitaxial wafer, Si substrate wafer, zirconia ceramic, etc

Workpiece materials: artificial sapphire, Sic, monocrystalline silicon, etc

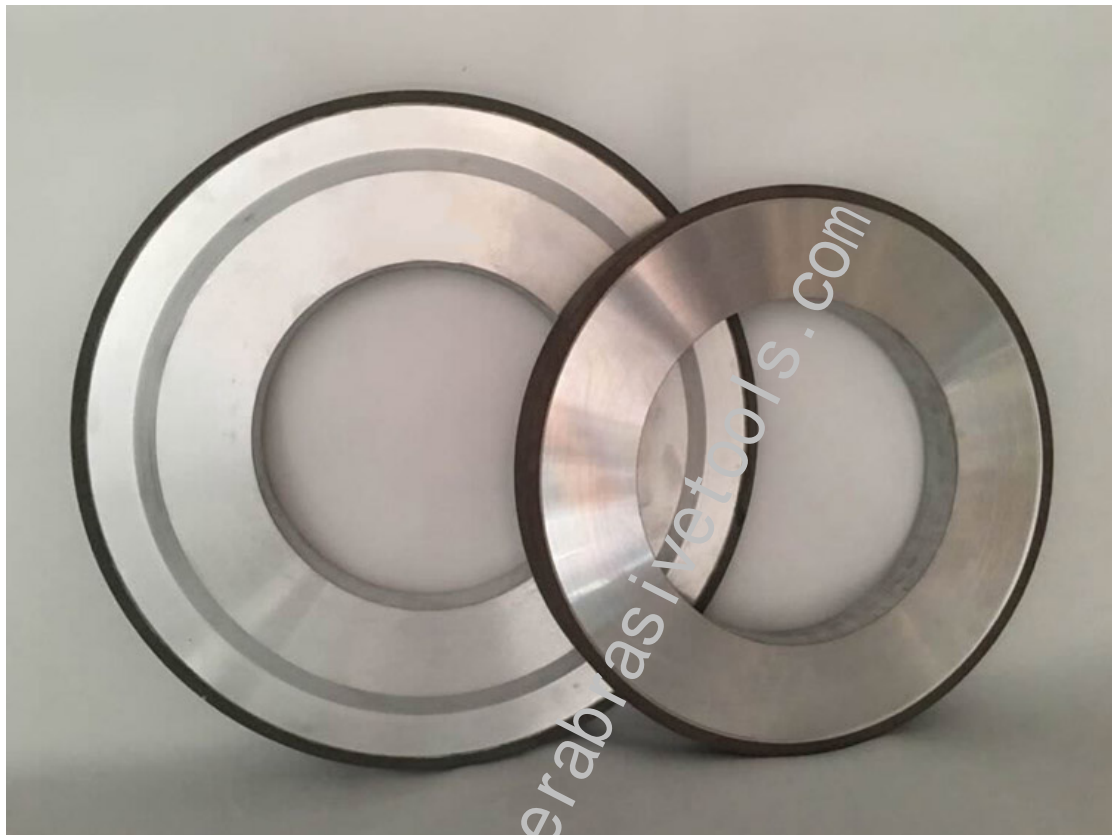
Specifications:

Bond type: vitrified bond, resin bond, metal bond

Outer diameter: $\phi 175$ 、 $\phi 195$ 、 $\phi 209$ 、 $\phi 255$ 、 $\phi 305$ 、 $\phi 355$

Diamond grain size: 200#、400#、800#、1200#、1500#、3000#、6000#、8000#、15000#、30000#

Superabrasive Grinding Wheels for Roller



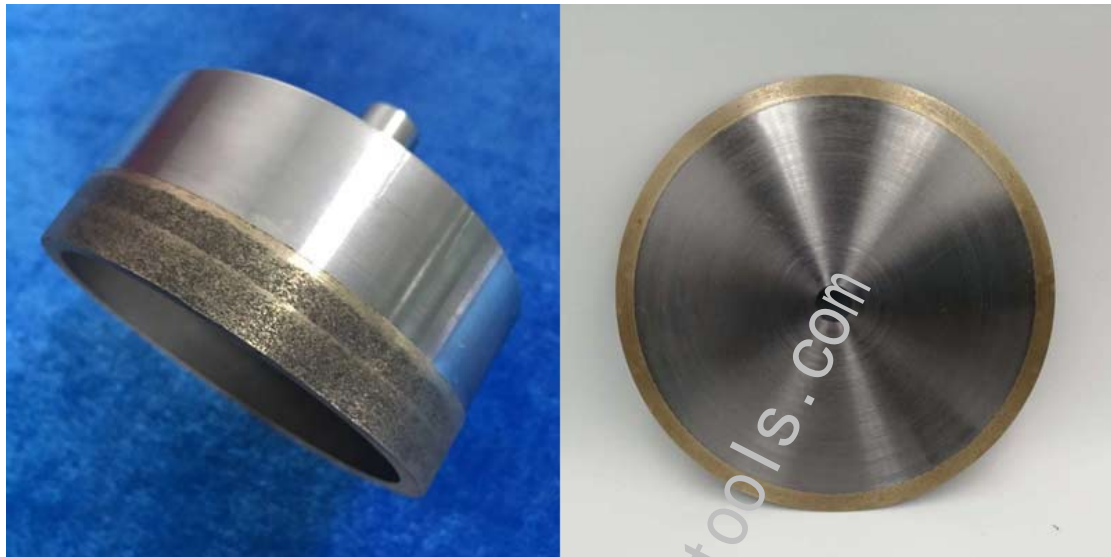
Application:

Used for tungsten carbide thermal spray roll, chromium oxide thermal spray roll, high speed steel roll, stainless steel roll, etc.

Specification:

Specification	1A1- 300×30×127×5
	1A1- 600×45×305×10
	1A1- 750×40×305×10
	1A1- 750×75×305×10
	1A1- 850×50×305×10

Diamond Grinding Wheels for Sanding Belt



Used for cutting and grinding of abrasive belts such as zirconia fused alumina, brown fused alumina, green silicon carbide, black silicon carbide and other abrasive belt products.

Specification	1A1 -150×1.5×32×5
	6A2 -75×25×25×3×5
	6A2H-75×35×20×2×6

Diamond Grinding Wheel for Magnetic Materials



The flat grinding wheel is used for the flat grinding of magnetic materials, and the centerless grinding wheel is used for cylindrical grinding of magnetic materials such as neodymium iron boron.

Specifications:

Flat grinding	1A1 -350×40×127×10
	1A2T-450×70×370×40×10
Centerless grinding	9A1-300×100×120×10
	9A1-350×125×127×10
	9A1-500×150×305×10
	9A1-600×200×305×10

Diamond Grinding Wheels for Photoelectric Ceramic

Mainly used for forming grinding, rough grinding, fine grinding and polishing of zirconia, alumina and other optoelectronic ceramics (such as ceramic ferrule, ferrule sleeve, etc.).

Specifications:



Bond	Grinding type	Specification	D	T	H	W	X
Vitrified bond	Sphere Grinding Wheels	1A8	8.5	12	6	1.25	12
			18.6	12	15.8	1.35	12
	Centerless Grinding Wheel	3A1	128	60	30	6	50
Resin bond	Face Grinding Wheel	6A2T	350	75	70	45	5
						50	
						80	
						100	
						45	5
						50	
						80	
						100	
		6A2T	200	60	138	10	8
		6A2	150	30	M12	4	5
	Centerless Grinding Wheel	9A1	200	70	75	10	70
		1A1	350	125	127	12	125
	Slide Grinding Wheel	1A1	103	0.5	40	6	0.5