



Forture Tools
Abrasive Tools Specialist



Bonded Abrasives

Zhengzhou Forture Tools Co., Ltd.



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Chain Saw Sharpening Wheel



Chainsaw grinding wheel most popular material is pink aluminum oxide, vitrified bond. Forturetools produce this type Grinding Wheel Disc for Chainsaw Sharpener, which is widely used with Electric Power Tools chainsaw sharpener to maintain the edge of the saw chain teeth. Match with chainsaw grinder. Most often used size is 4-1/8 inch and 5-3/4, bore is 7/8 inch and 1-1/4 inch. Grain size chooses 60# or 80#. Pink aluminum oxide abrasive grain is taken as the best option for this usage.

Wheel Specification			
Diameter	Thickness	Arbor Hole	Material
4-1/8"(105mm)	1/8"(3.2mm)	7/8"(22.23mm)	PA60M5V
4-1/8"(105mm)	3/16"(4.7mm)	7/8"(22.23mm)	PA60M5V
4-1/8"(105mm)	1/4"(6.4mm)	7/8"(22.23mm)	PA60M5V
5-3/4"(145mm)	1/8"(3.2mm)	7/8"(22.23mm)	PA60M5V
5-3/4"(145mm)	3/16"(4.8mm)	7/8"(22.23mm)	PA60M5V
5-3/4"(145mm)	1/4"(6.4mm)	7/8"(22.23mm)	PA60M5V
5-3/4"(145mm)	5/16"(7.9mm)	7/8"(22.23mm)	PA60M5V



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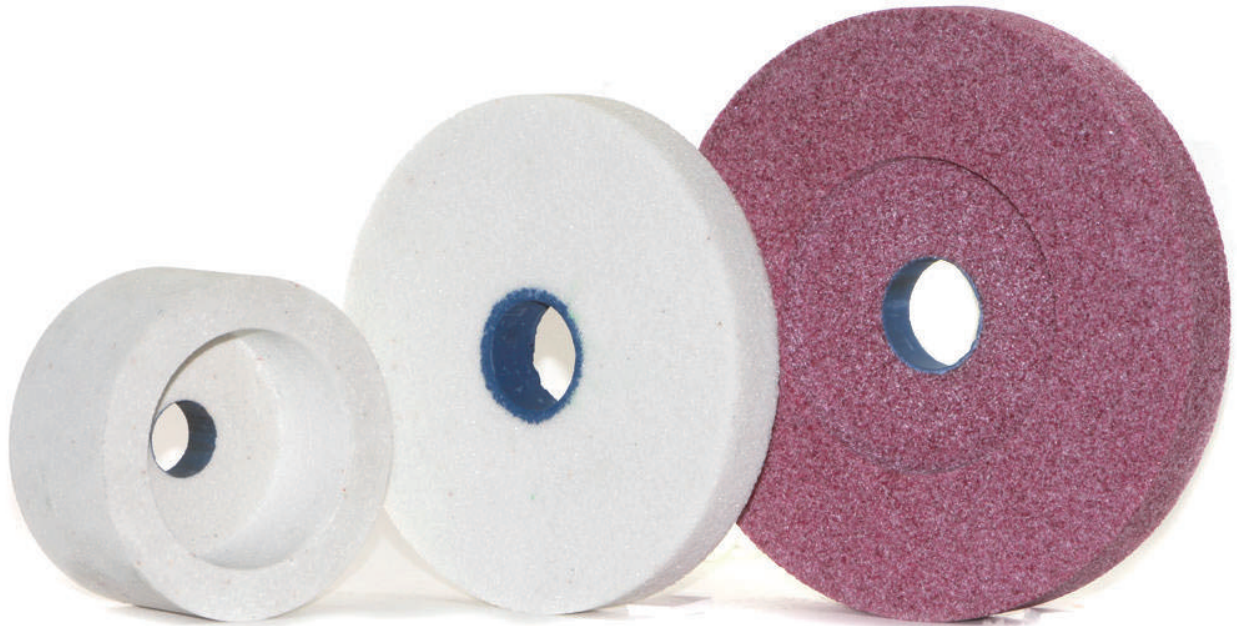


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Aluminum Oxide Grinding Wheels



Aluminum Oxide grinding wheels are used for fine grinding, dressing, honing as well as screw grinding. Not only the tools of alloy steel but also suit for high-speed steel and hardened steel. With features of exceptional strength and high hardness.

Aluminum Oxide also called corundum. The material includes Brown aluminum oxide (A), White aluminum oxide (WA), Pink aluminum oxide (PA), Single crystal aluminum oxide (SA) and Microcrystal aluminum oxide (MA).

Material	Diameter	Thickness	Hole	Popular Grit
Aluminum oxide	100	20	20	60#/80#
	125	20	32	
	150	20	32	
	175	20	32	
	200	20	32	
	200	25	32	
	300	40	127	
	350	40	127	
	400	40	127	
	450	63	203	



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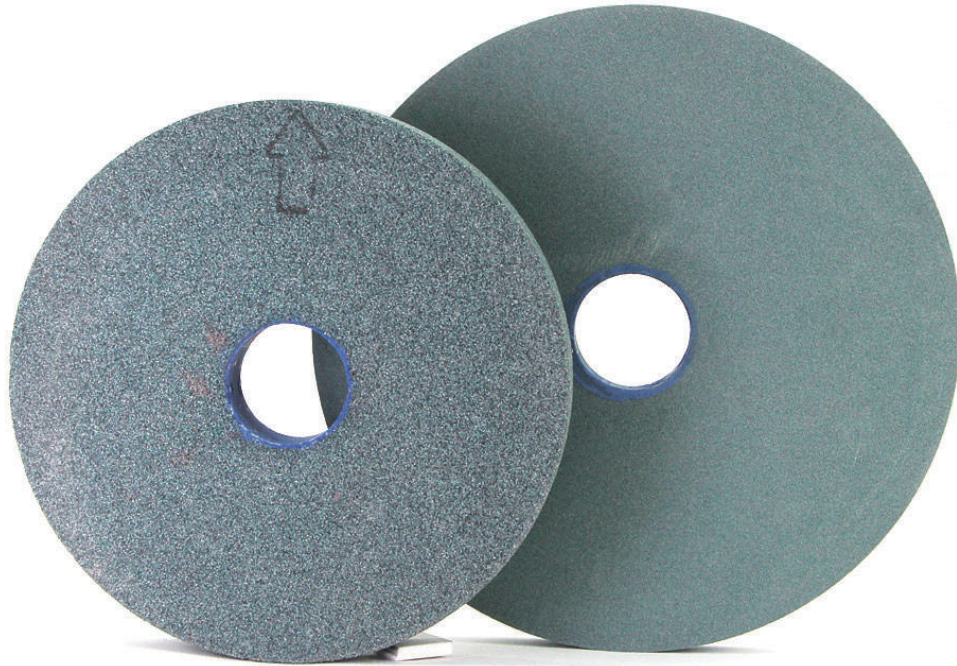


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Silicon Carbide Grinding Wheels



Silicon Carbide grinding wheels are used for brittle and hard carbide materials, like glass, gem, stone grinding, cutting, or superfine grinding. The material includes Black silicon carbide (C), Green silicon carbide (GC) etc.

Silicon carbide abrasive sand and vitrified bond will be formed into bonded abrasives like Surface Grinding Wheels, Centerless Grinding Wheels, Cylindrical Grinding Wheels, Internal Grinding Wheels, Grinding Discs, Cutting discs, Mounted Points, and Sharpening Stones etc.

Material	Diameter	Thickness	Hole	Popular Grit
Silicon carbide	100	20	20	60#/80#
	125	20	32	
	150	20	32	
	175	20	32	
	200	20	32	
	200	25	32	
	300	40	127	
	350	40	127	
	400	40	127	
	450	63	203	



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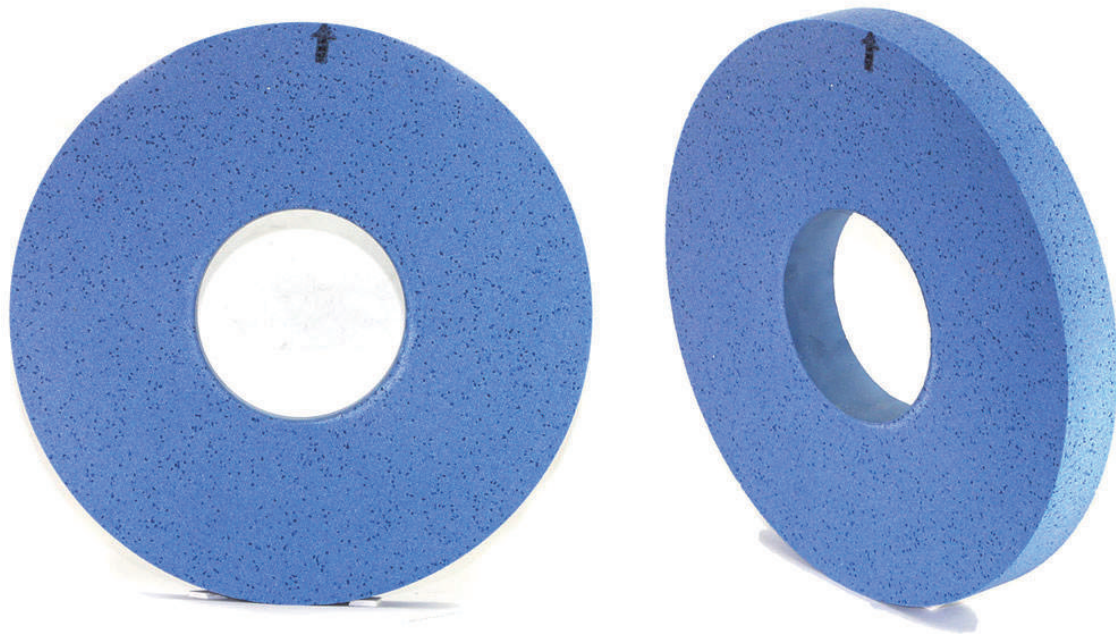


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SG Grinding Wheel



SG Grinding Wheels Application: Precision grinding for unhardened and hardened steels, such as cast iron, carbon steels, alloy steels, tool steels and so on.

Features of SG grinding wheel :

- 1, SG grinding wheel is a new type of grinding wheel which can be developed for multiple usages. SG material solved the problem of grinding burn.
- 2, SG abrasive is high purity, ceramic aluminum oxide abrasive with a submicron crystalline structure deprived of a seeded gel sintering process.
- 3, Due to superior hardness, strength, and fracture toughness to conventional fused aluminum oxide abrasive, SG abrasive provides excellent durability and high stock removal rate characteristics on the most demanding applications.

Features of grinding wheel with high porosity :

Compared with other ceramic grinding wheels, the high porosity grinding wheel has the same raw material, specifications and hardness in addition to the different structure.

Because the structure of the grinding wheel is loose, the pore size is much larger than the size of abrasive particles, therefore, It has a series of properties:

No blocking when grinding, especially suitable for grinding non-ferrous metal and rubber. Ceramic high porosity grinding wheels also suit for grinding heat sensitive materials (like, tungsten, silver alloy) and workpiece deformation.



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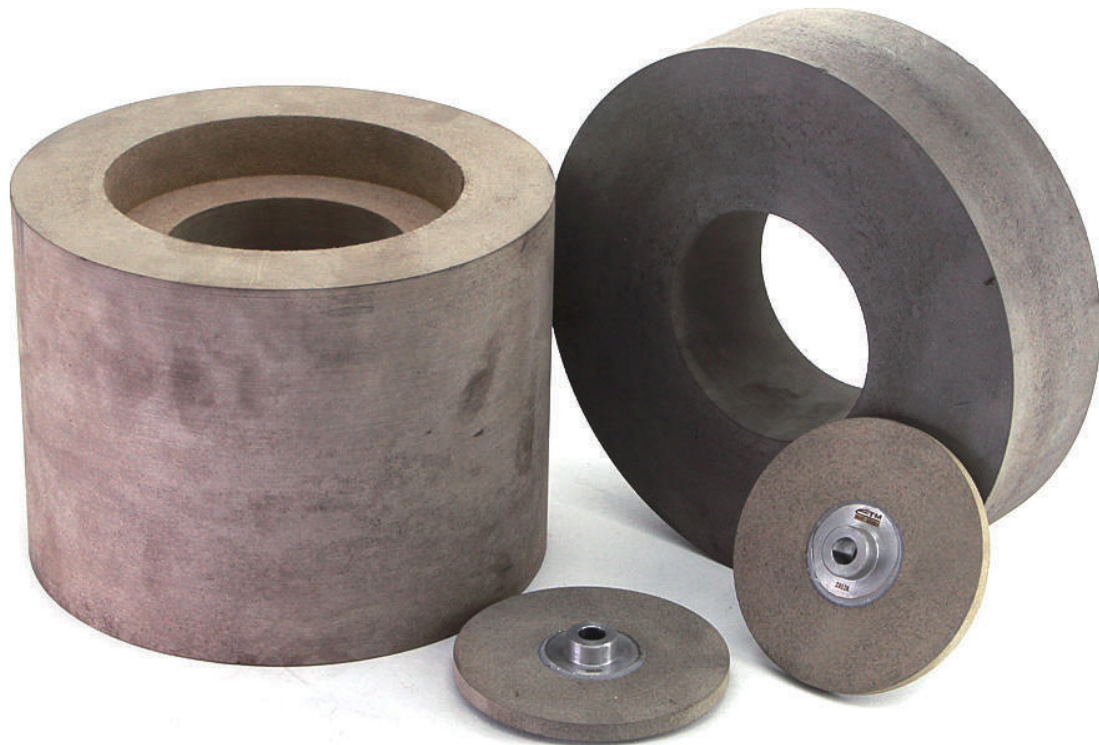


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Rubber Control Wheel



Rubber Control Wheel is used for grinding wheel guiding usage, rubber grinding wheel is used for fine grinding purpose, it includes rubber centerless grinding wheel, rubber surface grinding wheel etc. These rubber wheels are widely used in Bearing Industry, Automobile Industry, Hydraulic Industry, Cutting Tool Industry and so on.

Diameter	Thickness	Hole	Abrasive	Grit	Hardness	Structurer	Speed
200	100	75	A WA	80# 100# 120#	K	80# 100# 120#	33m/s
250	125	127			L		35m/s
300	150~350	127			M		40m/s
350	125~250	127			N		45m/s
400	100~380	127~203			P		50m/s
500	100~200	305			Q		60m/s



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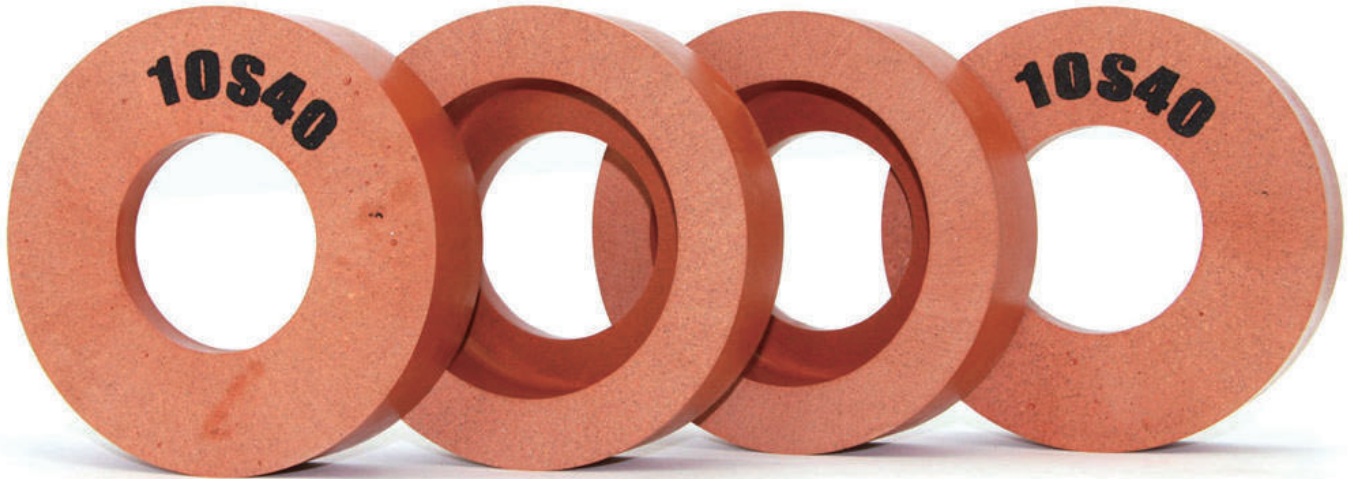


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Polishing Wheels



Forture Tools offers its customers a complete array of Glass Polishing Wheels to attain a high level of superiority and precision. These glass tools are used for grinding glass edges as well as surfaces. The glass polishing wheels are designed to give the best processing speed.

Our world class glass polishing wheels include the popular 10S Polishing wheel, 9R polishing wheel, CE-3 Polishing wheel, BK polishing wheel, BD polishing wheel, Low-E Glass Coating Edge Removing & Deletion wheel and woolen polishing wheel.



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Sharpening Stones



Double-side sharpening stones



Rubber tapping knife sharpening stones



Dressing Stick



Abrasive Sticks

Sharpening stones, also known as whetstones are normally used to grind and sharpen the cutting edges of tools and implements. There are sharpening stones of different materials, sizes and shapes. The sharpening stones are used for sharpening scissors, scythes, knives, razors and tools such as chisels, hand scrapers and plane blades. Some can be used for grinding wheel dressing. They have a wide range of shapes and various grades.



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Mounted Points



Aluminum Oxide Mounted Points



Diamond Mounted Points



CBN Mounted Points

Mounted Points are small sized grinding wheels, which are bonded onto a spindle or shaft. They are used for internal grinding of small parts, which made of carbides, glass, ceramics, tool & die, also widely used for precision grinding, finishing and deburring of aerospace, automotive, fabrication and jewelry etc.

Diamond mounted wheels are miniscule diamond tools, that are used in a jig grinder on hard material. Clients usually use vitrified and resin bonded mounted points for deburring applications, particularly in foundries. Other material like CBN (cubic boron nitride), aluminum oxide, silicon carbide, rubber, woollen can be used for your different demands.

There are many different shapes, such as Cylindrical, 60-degree cone, oval cone, truncated cone, ball, hemispherical etc. All of them can be customized according to your requirement.



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Abrasives and Application



Main abrasive selection reference chart

Variety	Symbol	Color	Application
Brown alumina	A	Brown	For carbon steel, alloy steel, malleable castiron, or hard bronze grinding and cutting.
White alumina	WA	White	For fine grinding, dressing, honing, or screw grinding the tools of alloy steel, high speed steel, hardened steel, etc., with great strength and high hardness.
Pink alumina	PA	Pink	For general grinding and coarse grinding the internal tools, gears, and instrument frame of alloy steel, tool steel, and hardened steel.
Black silicon carbide	C	Black	For cast iron, non-ferrous steel, and non-metallic material grinding, cutting, or honing.
Green silicon carbide	GC	Green	For brittle and hard carbide, glass, gem, and stone grinding, cutting, or super fine grinding.



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