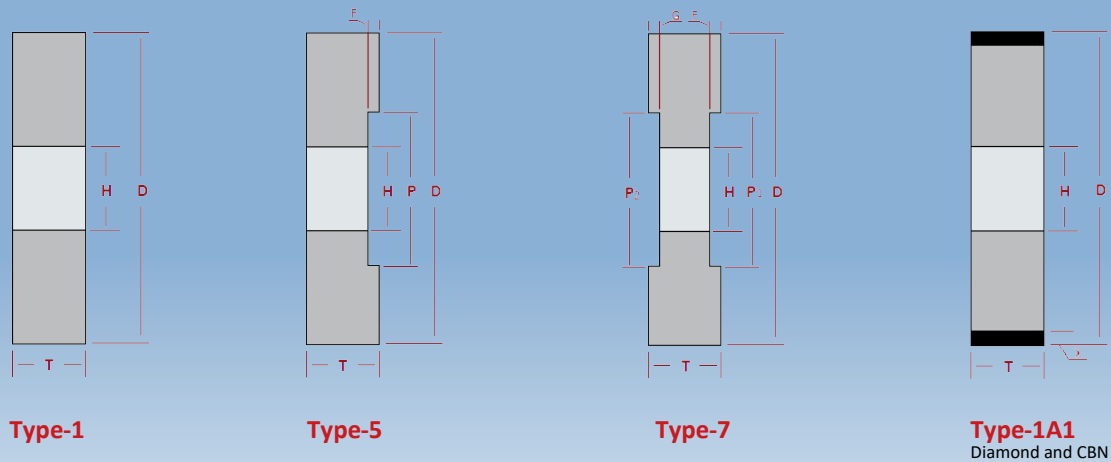
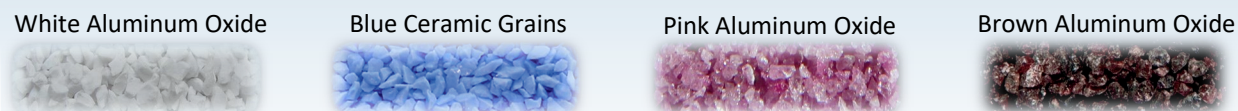


## Grades and Specifications



### Grain Types and Blends

We can custom formulate and blend grain types to suit your application.



### Bonds and Structure

Grinding wheel formulation can be tuned to meet an applications specific requirements, yielding maximum performance or operate within a broader material range. Please contact us with your material type, material hardness, machine type and production goal.

### PA 60-E 9V

Grain Type	Grit Size	Grade	Structure	Bond Type
A Brown Aluminum Oxide	24 Coarse	F Soft	0 62%	B Resinoid
WA White Aluminum Oxide	30	G	1 60	V Vitrified
PA Pink Aluminum Oxide	36	H	2 58	BX Epoxy
SA 32A Equivalent	46	I	3 56	BF Reinforced
32P 32A and PA Blend	69	J	4 54	
GC Green Silicon Carbide	80	K	5 52	
C Black Silicon Carbide	100	L	6 50	
3KG 30% Blue Ceramic Grain	120	M	7 48	
5KG 50% Blue Ceramic Grain	220	N	8 46	
	320	O	9 44	
	400	P	10 42	
	800	Q	11 40	
	1200 Fine	R Hard	12 38	
			13 36	
			14 34%	

## Your Applications

Let us know about your application and what you are looking to accomplish

### Wheel Type and Dimension

Type-1: D x T x H

Type-1A1: D x H x T x X

Type-5: D x T x H - (P x F)

Type-7: D x T x H - (P1 x F) (P2 x G)

### Current Wheel Specification

Grain Type Grit Size Grade Structure Bond Type

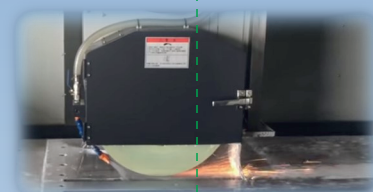
Your current wheel specification will give us a starting point to improve performance or resolve any issue

### Workpiece

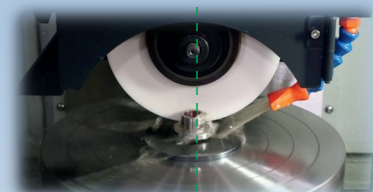
When possible please send us a workpiece drawing showing material type, material hardness, required surface finish, tolerance and *how much material is being removed*.

### Your Machine Type

Please let us know what type of machine (s) you are using, the horse power of the grinding motor, the type of coolant, filtration if any, and supply pump pressure used to cool the workpiece.



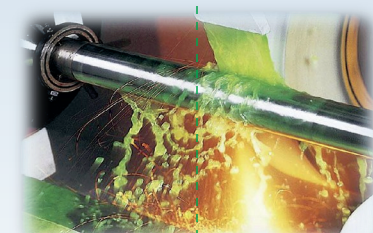
Flat Grinding



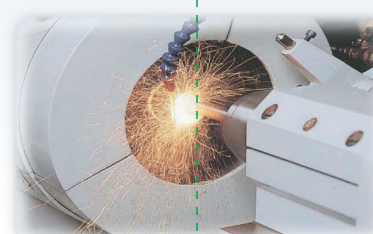
Rotary Grinding



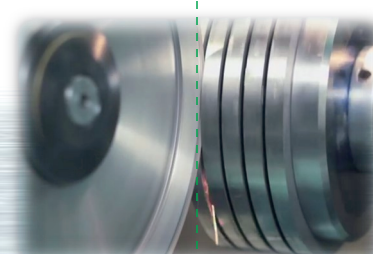
Centerless Grinding



External Grinding



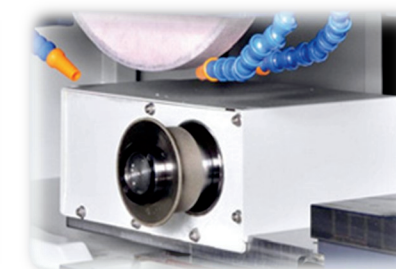
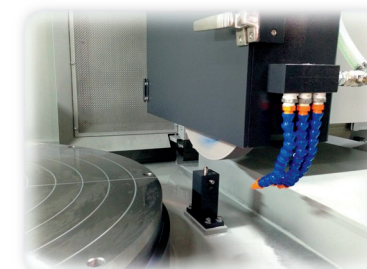
Internal Grinding



Knife Grinding

### Wheel Dressing Supplies

Diamond dressing points, hand dressing sticks and custom plated roll dressers.



### Our Inventory

It is our goal to maintain regular contact with our customer beyond the installation of their new machine by providing ongoing support via abrasive solutions. As your applications evolve we can recommend techniques, equipment options and solutions that meet with your production conditions.

Our inventory is continuously growing and evolving based on our customers requirements. Please contact us for an immediate response.

Tel: 508-987-0121 email: [info@gmsigroup.com](mailto:info@gmsigroup.com)

