

# INDUSTRIAL KNIFE GRINDING WHEELS & SEGMENTS

RAI has a complete line of grinding wheels for the industrial knife industry. We make grinding wheels and segments for all blade re-sharpening and production machines on the market—including: Hanchett, Blanchard, MVM, Gockel, Reform, Erma, Fezer, Toyo, Universal, Swisher, Capitol, etc.

RAI has been producing industrial knife wheels for over 20 years and brings in-depth expertise to each project. Our highly reliable and knowledgeable technical team will provide you with the specification that delivers results according to *your* needs and expectations. We can even customize your formulation quickly and effectively to meet your tight production deadlines.

## Features & Benefits

RAI's products and services in this arena provide a wide range of value and benefits to those in the industry, including:

- Reliable, responsive customer support.
- Longer life with a proven track record for consistent, reliable, and superior product performance.
- Faster grinding speeds to reduce production times.
- Direct support from the most qualified product engineers and account managers.
- Continuous R&D efforts to always remain proactive in delivering innovative products.

RAI industrial grinding knife wheels are being used by many to grind chippers, planers, flakers, and trimmers, as well as zamboni blades. We are dedicated to delivering the best solutions to the industry on-time, on-budget, and according to expectations.

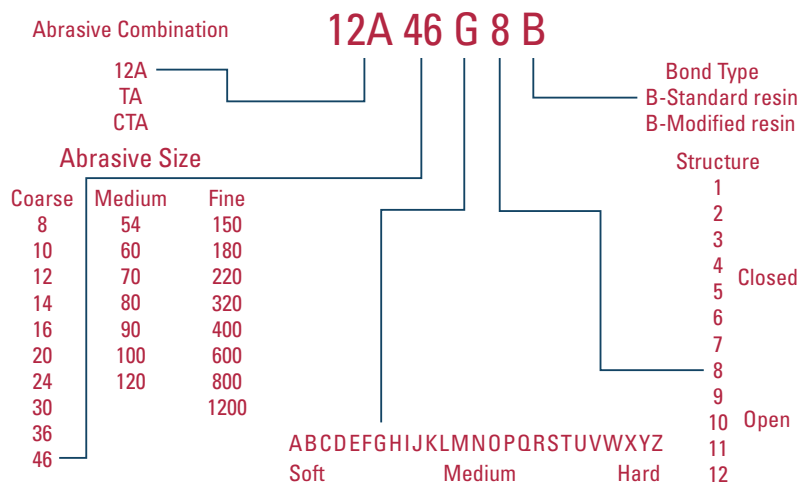
Several of our recent developments have delivered three times the life of the competition's ceramic wheel! For example, the RAI team has introduced the Epoxy lug zone on our Resin products, which is a first-to-market solution. It has improved performance by 20% and has been proven to increase the wheel's safety factor by three times.

## Unparalleled Customer Service

We offer unmatched service and turnaround time in days, not weeks, so you can meet the demands of your customers. Our products are backed by our quality assurance guarantee! If you need quick turnaround we can make and ship within 24 hours. Our seasoned technical team will work with you 24/7 to address your specific challenges and requirements. In addition, RAI has an extensive network of distributors for local warehousing and regular follow-up.

Wheel types available - Type 1, 2, 52 nut inserted and 6; Diameters 100mm to 710mm (4" to 28")

Segment styles available - CD, HA, HO, CA, NO, Rogers and many others.



# INDUSTRIAL KNIFE GRINDING WHEELS & SEGMENTS

Our Resin Bond systems utilize the highest quality materials on the market today. We offer a wide range of technologies and bond systems in conjunction with a variety of abrasive combinations which deliver the best results on the market today. Common wheel and segment shapes:

Type 1, 5, 7, and 20 thru 26  
Straight type wheels



Type 2 cylinder wheel including nut inserted  
(shown below)



Type 6  
Straight cup wheel



Type 11  
Flared cup wheel



Straight - SA



Tapered - SO



Radius Tapered - SD



Hanchett "NO"



Hanchett "HL"



Hanchett



Cortland "CD"



Some common starting points for standard blade grinding are:

Application	Material	Specification	Results	
Relieving Wheels	HSS	12A 46G 8B	Good stock removal and finish	
	Mild Steel	12A 46M 8B	Removing mild steel from the back of carbide paper knives	
	Mild Steel	VP7 30	Epoxy alternative for mild steel, longer life	
	HSS	CTA 46G 8B	Fast stock removal, good life	
	HSS	TA 46F 8B	Long life	
Knife Grinding Wheels	HSS-Paper Knives	12A 60G 8B	Good finish and stock removal	
		CTA 60G 8B	Fast stock removal, good life	
		TA 60 H 8B	Long life	
		HSS-Planers, jointers, sheeters	12A 46H 8B	Good finish and stock removal
		CTA 46I 8B	Fast stock removal, good life	
	HSS-Veener Knives	TA 46J 8B	Long life	
		12A 54H/I 8B	Great cutting, good roughing	
		12A 150 H/I 8B	Good finishing grade	
		TA 60I 8B	Excellent long life and finishing	
		Mild Steel	12A 46L 8B	Good cutting
Micro Bevels	HSS	CTA 46J 8B	Better productivity	
		12A 1200G VA	Super finishing grade	
		CTA 400 I VA	Super finishing with cool cutting	

## The GREEN WHEEL

For grinding mild and carbon steel in the same operation, the "Green Wheel" has been the standard and still leads the industry in this application.

## Epoxy Lug Zone

RAI was the first to introduce this latest advancement to the industrial knife market. With improved safety and performance being the results.

## Two & Three Zone Technology

Our latest achievement is the 3 zone technology-offering a polishing zone inside and out, so finishing on a knife grinder is made simple and super finishes are possible for all.

Variations of these standards are common and stocked. We also have our Epoxy and Plastic bond technologies to fulfill your specific needs. Please call our Technical Director with your application details for recommendations.

For more information about RAI's solutions for the Industrial Knife Industry, please contact us!

