

## Toolroom Wheel Starting Recommendations

APPLICATION/MATERIAL	PERFORMANCE/PRODUCTIVITY			PERFORMANCE/PRODUCTIVITY			PERFORMANCE/PRODUCTIVITY		
	BEST	BETTER	GOOD	BEST	BETTER	GOOD	BEST	BETTER	GOOD
	NARROW CONTACT AREA			MEDIUM CONTACT AREA			WIDE CONTACT AREA		
<b>TOOL RESHARPENING</b>									
<b>HEAVY STOCK REMOVAL (&gt; .004)</b>									
- HSS & TOOL STEEL RC 50-68	MEDALIST46-KVL	32AR46-KV40	AA46-KV40	MEDALIST46-JVL	32AR46-JV40	AA46-JV40	MEDALIST46-GVLP	32AR46-GV40P	AA46-HV40
<b>MODERATE STOCK REMOVAL (.002-.004)</b>									
- HSS & TOOL STEEL RC 50-68	MEDALIST60-KVL	32AR60-KV40	AA60-KV40	MEDALIST60-JVL	32AR60-JV40	AA60-JV40	MEDALIST60-GVLP	32A60-HV40P	AA60-HV40
- CARBIDE			GC60-IVGC			GC60-IVGC			GC60-IVGC
<b>SURFACE GRINDING</b>									
<b>HEAVY STOCK REMOVAL (&gt; .004)</b>									
- HSS & TOOL STEEL RC 50-68 400 SERIES STAINLESS	MEDALIST46-JVL	32AR46-JV40	AA46-JV40	MEDALIST46-IVL	32AR46-IV40	AA46-IV40	MEDALIST46-GVLP	32AR46-GV40P	PA46-GVPP
- SOFT STEELS RC 30-45 300 SERIES STAINLESS	MEDALIST46-KVL	32AR46-KV40	AA46-KV40	MEDALIST46-JVL	32AR46-JV40	AA46-JV40	MEDALIST46-GVLP	AR46-HVPP	PA46-HVPP
- CAST IRON: DUCTILE & GRAY	MEDALIST46-KVL	32AR46-KV40	AA46-KV40	MEDALIST46-JVL	32AR46-JV40	AA46-JV40	MEDALIST46-GVLP	32AR46-HV40P	AA466-HV40
- NON-FERROUS ALLOYS			GC60-IVGC			GC60-IVGC			GC60-IVGC
<b>MODERATE STOCK REMOVAL (.002-.004)</b>									
- HSS & TOOL STEEL RC 50-68 400 SERIES STAINLESS	MEDALIST60-JVL	32AR60-JV40	AA60-JV40	MEDALIST60-IVL	32AR60-IV40	AA60-IV40	MEDALIST60-GVLP	32AR60-GV40P	AA60-HV40
- SOFT STEELS RC 30-45 300 SERIES STAINLESS	MEDALIST60-KVL	32AR60-KV40	AA60-KV40	MEDALIST60-JVL	32AR60-JV40	AA60-JV40	MEDALIST60-GVLP	32AR60-HV40P	AA60-HV40
- CAST IRON: DUCTILE & GRAY	MEDALIST60-KVL	32AR60-KV40	AA60-KV40	MEDALIST60-JVL	32AR60-JV40	AA60-JV40	MEDALIST60-GVLP	32AR60-HV40P	AA60-IV40
- NON-FERROUS ALLOYS			GC60-IVGC			GC60-IVGC			GC60-IVGC
<b>LIGHT STOCK REMOVAL AND FINISHING (&lt;.001)</b>									
- HSS & TOOL STEEL RC 50-68 400 SERIES STAINLESS		32AR80-JV40	AA80-JV40		32AR80-IV40	AA80-IV40		32AR80-HV40	AA80-HV40
- SOFT STEELS RC 30-45 300 SERIES STAINLESS		32AR80-KV40	AA80-KV40		32AR80-JV40	AA80-JV40		32AR80-IV40	AA80-IV40
- CAST IRON: DUCTILE & GRAY		32AR80-KV40	AA80-KV40		32AR80-JV40	AA80-JV40		32AR80-IV40	AA80-IV40
- NON-FERROUS ALLOYS			GC80-IVGC			GC80-IVGC			GC80-IVGC

## Toolroom Competitive Cross Reference

CARBORUNDUM	BAY STATE	CAMEL	CINCINNATI	COLONIAL	RADIAC
32AR	7A, 17A	AZ	4A, 12A, 29A, 32A		32A, WRA
AA	9A, 48A	83A, WA, AZ (BLUE)	9A, 10A, 11A, 82A	20A	WA, 9A
AR				25A	RA
C	C		6C	C	C
DA	2A, 3A, 6A, 8A	91A, DA	29A, 97A	10TA	43A, 45A, 97A, WPA
GA	TA	94A, CGW, A	A, AK	TA	A
GC	1C		5C	GC	GC
MEDALIST, MEDALIST R	3GA	AS3	3MSB	20A/VG3	7BP, 8BP
PA		PA	12A	24A	RAA



BONDED ABRASIVES

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# Toolroom Wheels

## Medalist Ceramic Alumina / Aluminum Oxide Abrasive Blend

### Features

- High-performance ceramic alumina / aluminum oxide abrasive blend – blue
- Self-sharpening abrasive
- High-performance vitrified bond
- VLP bond: induced porosity
- Best performance

### Benefits

- Fast stock removal on moderate to very heavy stock removal applications
- Cool cutting
- Less burn on part
- Dressing frequency reduced
- Enhanced wheel life
- Superior form and corner holding
- Load resistant
- Highest productivity, lowest total grinding cost

*The best choice for grinding all high speed tool steels. Medalist has the versatility to grind easy-to-difficult-to-grind steels.*

*Use VL bond for general purpose applications or medium contact areas.*

*Use VLP and VPP bonds on wide contact areas where heat is an issue.*



### TechTip

**Key Operating Tips for Maximizing Grinding Performance with Medalist Wheels**

Change one parameter at a time:

- 1 Increase infeed 50%
- 2 Increase traverse rate 25%
- 3 Reduce dressing infeed 25%

## Gold 32AR Aluminum Oxide Abrasive

### Features

- High-performance aluminum oxide abrasive - gray/purple
- Strong, sharp monocrystalline grain blend
- Tough, yet friable grain
- Strong vitrified bond
- V40P bond: induced porosity

### Benefits

- Exceptionally cool, fast cutting on medium to heavy stock removal operations
- Excellent resistance to point wear
- Good penetration on tough alloy steels
- Holds form well
- Requires less dressing
- Long wheel life
- Load resistance

*Ideal for moderate to heavy infeed rates, rapid stock removal and precision contouring – for all types of tool steels.*

*Use V40 bond for general purpose applications or medium contact areas.*

*Use V40P bond on wide contact areas where heat is an issue.*



## AR Aluminum Oxide Abrasive

### Features

- Durable aluminum oxide abrasive – ruby
- Durable vitrified bond

### Benefits

- Extremely cool cutting
- Good form holding
- Maximum grain retention
- Less dressing; longer wheel life

Engineered for medium to heavy stock removal at moderate to heavy feed rates on a wide variety of tool steels.



Use V40 bond for general purpose applications or medium contact areas.

Use VPP bond on wide contact areas where heat is an issue.



## AA Aluminum Oxide Abrasive

### Features

- Aluminum oxide abrasive – white
- Excellent friability
- Durable, vitrified bond
- V40P bond: induced porosity

### Benefits

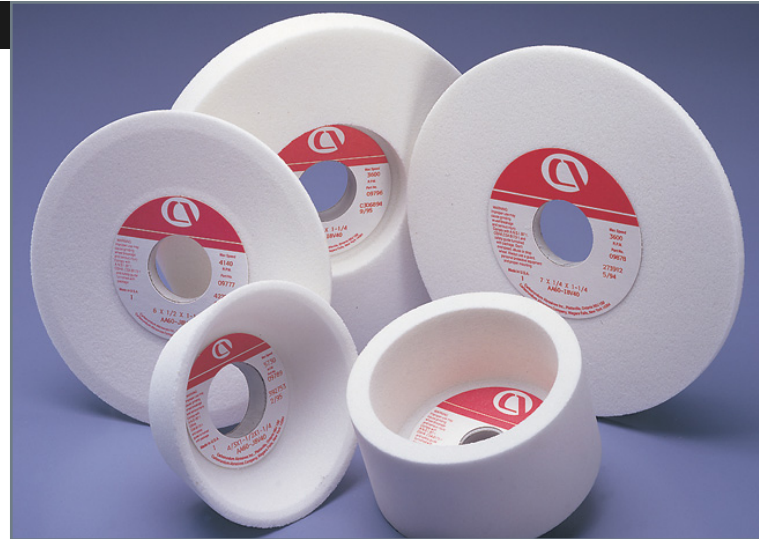
- Fast stock removal for light to medium stock removal operations
- Cool cutting action
- Long wheel life
- Load resistant

AA is ideal for grinding heat sensitive steels, as well as easy- and medium-to-grind high-speed steels and cast, alloy steels.



Use V40 bond for general purpose applications or medium contact areas.

Use V40P and VPP bonds on wide contact areas where heat is an issue.



## PA Aluminum Oxide Abrasive

### Features

- Friable, aluminum oxide abrasive – pink
- Durable vitrified bond

### Benefits

- Designed to grind a broad variety of steels at light to moderate feed rates
- Maximum grain retention
- Less dressing; longer wheel life

Excels in light to medium stock removal applications at light to moderate feed rates on tool steels (hardened, forged and stainless) and cast iron.



Use V40 bond for general purpose applications or medium contact areas.

Use VPP bond on wide contact areas where heat is an issue.



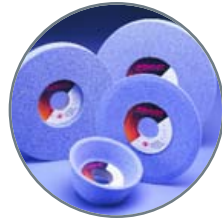
BONDED ABRASIVES

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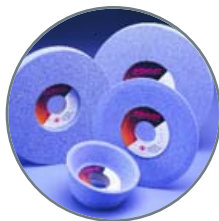
See Carbo Cool wheel listings for additional porous specifications on pages 85-87.



# Toolroom Wheels



WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 01 – For Internal Grinding</b>								
1/2 x 1/2 x 1/4	64,935	40					66253062129*	PA60-KV40
3/4 x 1 x 1/4	43,240	40					66253062131*	PA60-KV40
1 x 1/4 x 1/4	32,470	40					66253062132*	PA60-IV40
1 x 3/4 x 1/4	32,470	40					66253062133*	PA60-IV40
1 x 1 x 3/8	32,470	40					66253062138*	PA60-KV40
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>								
6 x 1/4 x 1-1/4	4,140	10	05539562350	80-KVL	05539527691*	32AR60-KV40		
6 x 1/2 x 1-1/4	4,140	10			66253051313*	32AR46-JV40	05539509882*	AA60-JV40
	4,140	10			05539527692	32AR60-JV40		
	4,140	10			05539562244*	32AR60-KV40		
6 x 3/4 x 1-1/4	4,140	10			66253051315*	32AR80-KV40		
	4,140	10			66253051675*	32AR46-JV40		
	4,140	10			66253051677*	32AR60-JV40		
6 x 1 x 1-1/4	4,140	10			66253051683*	32AR46-JV40		
	4,140	10			66253051684*	32AR60-JV40		
7 x 1/8 x 1-1/4	3,600	10					05539562175*	AA100-KV40
7 x 1/4 x 1-1/4	3,600	10	05539562351 B	46-JVL	05539527686	32AR46-HV40	66253051696	AA46-IV40
	3,600	10	05539527241	60-IVL	66253051861*	32AR46-IV40	05539509875*	AA60-JV40
	3,600	10	05539527242 B	60-JVL	05539527688	32AR46-JV40	05539509874	AA60-KV40
	3,600	10	05539527243	60-KVL	66253051862*	32AR60-HV40	66253051698	AA80-JV40
	3,600	10	05539527244	80-JVL	05539527689	32AR60-IV40	05539509871*	AA80-KV40
	3,600	10	05539527245	80-KVL	05539527311 B	32AR60-JV40	05539509870*	AA100-IV40
	3,600	10	05539527247	100-KVL	05539527312	32AR60-KV40	05539509869*	AA100-JV40
	3,600	10			05539527313*	32AR80-IV40	05539527714	AA100-KV40
	3,600	10			05539527314	32AR80-JV40	05539562176*	AA120-JV40
	3,600	10			05539527315 B	32AR80-KV40	05539509866	AA150-KV40
	3,600	10			66253051867*	32AR100-IV40	05539562177*	AA150-LV40
	3,600	10			05539562246 B	32AR100-JV40	66253051859*	AA220-KV40
	3,600	10			05539562249	32AR120-KV40	05539569194*	PA46-JV40 <b>New!</b>
	3,600	10					05539569199*	PA60-JV40 <b>New!</b>
	3,600	10					05539569200*	PA120-HV40 <b>New!</b>
	3,600	10					05539569207*	PA120-JV40 <b>New!</b>
	7 x 3/8 x 1-1/4	3,600	10			66253051936*	32AR60-HV40	
3,600		10			66253051937*	32AR60-JV40		
7 x 1/2 x 1-1/4	3,600	5	05539527248*	46-GVLP	05539527316*	32AR46-FV40P	05539509865	AA46-HV40
	3,600	5	66253051963*	46-HVL	05539527317	32AR46-GV40P	05539507039*	AA46-HV40P
	3,600	5	05539527250	46-IVL	05539527319	32AR46-HV40	05539509864	AA46-IV40
	3,600	5	05539527249 B	46-IVLP	05539527318 B	32AR46-HV40P	05539509863	AA46-JV40
	3,600	5	05539527251	46-JVL	05539527321	32AR46-IV40	05539509862*	AA46-KV40
	3,600	5	05539527252	46-KVL	05539527320*	32AR46-IV40P	66253051967	AA60-HV40
	3,600	5	05539527253*	60-GVLP	05539527322	32AR46-JV40	05539509860	AA60-IV40
	3,600	5	66253051965*	60-HVL	05539527323	32AR46-KV40	05539509859	AA60-JV40
	3,600	5	05539527255 B	60-IVL	05539527326	32AR60-HV40	05539509858	AA60-KV40
	3,600	5	05539527254*	60-IVLP	05539527325*	32AR60-HV40P	66253051969	AA80-HV40
	3,600	5	05539527256	60-JVL	05539527327	32AR60-IV40	05539509857*	AA80-IV40
	3,600	5	05539527257 B	60-KVL	05539527328	32AR60-JV40	05539509856*	AA80-JV40
	3,600	5	05539527259*	80-IVL	05539527329	32AR60-KV40	05539509854	AA80-KV40
	3,600	5	05539527260	80-JVL	05539527330*	32AR80-IV40	05539509852	AA100-IV40
	3,600	5	05539527261 B	80-KVL	05539562257*	32AR80-JV40	05539509850*	AA100-JV40
	3,600	5			05539527331	32AR80-KV40	05539562180	AA120-KV40
	3,600	5			05539562253*	32AR100-IV40	66253054721*	AA150-KV40
	3,600	5			66253061619*	AR46-HV40	66253061613*	PA46-HV40
	3,600	5			66253061620*	AR46-IV40	66253061614*	PA46-IV40
	3,600	5			66253061621*	AR60-IV40	05539566899*	PA46-JV40 <b>New!</b>
	3,600	5			66253061622*	AR60-JV40	05539569213*	PA46-KV40 <b>New!</b>
3,600	5					66253061615*	PA60-IV40	
3,600	5					05539569217*	PA60-JV40 <b>New!</b>	
3,600	5					05539569218*	PA60-KV40 <b>New!</b>	
3,600	5					05539569222*	PA80-KV40 <b>New!</b>	



WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>								
7 x 3/4 x 1-1/4	3,600	5	05539527262 B	46-KVL	66253054729*	32AR46-HV40	05539562185*	AA46-KV40 <b>New!</b>
	3,600	5	05539527263*	60-KVL	05539527334*	32AR46-IV40	05539509848	AA60-IV40
	3,600	5			05539527335*	32AR46-KV40	05539569233*	PA46-JV40 <b>New!</b>
	3,600	5			05539527336*	32AR60-IV40	05539569234*	PA60-JV40 <b>New!</b>
	3,600	5			05539527337 B	32AR60-KV40		
	3,600	5						
	3,600	5						
7 x 1 x 1-1/4	3,600	5	05539527264	46-JVL	05539509861*	32AR60-IV40 <b>New!</b>		
	3,600	5	05539562356*	60-KVL	05539562261*	32AR60-KV40		
8 x 1/4 x 1-1/4	•	5			05539562263*	32AR46-HV40	05539562188*	AA60-IV40
	3,600	5			66253054775*	32AR46-KV40	05539509844 B	AA80-JV40
	3,600	5			66253054776*	32AR60-HV40	66253054773*	AA100-KV40
	3,600	5			66253054778*	32AR60-IV40	66253054774*	AA120-KV40
	3,600	5			05539562264	32AR60-JV40		
	3,600	5			05539527338	32AR60-KV40		
	3,600	5			66253054780*	32AR80-IV40		
	3,600	5			05539527339	32AR80-KV40		
8 x 1/2 x 1-1/4	3,105	5	05539527267*	46-GVLP	05539527340 B	32AR46-GV40	05539509841	AA46-HV40
	3,105	5	05539527268	46-IVL	05539527342	32AR46-HV40	05539509840*	AA46-IV40
	3,600	5	05539527269	46-JVL	05539527341†	32AR46-HV40P	05539509839	AA46-JV40
	•	5	05539527270	46-KVL	05539527343 B	32AR46-IV40	05539509838*	AA46-KV40
	3,600	5	05539527271	60-IVL	05539527344	32AR46-JV40	05539509836	AA60-IV40
	3,600	5	05539527272	60-JVL	05539527345	32AR46-KV40	05539562190	AA60-JV40
	3,600	5	05539527273	60-KVL	05539527347	32AR60-HV40	66253052850	AA60-KV40
	3,600	5	05539562363*	80-JVL	05539527348	32AR60-IV40	05539527716*	AA80-JV40
	3,600	5			05539527349 B	32AR60-JV40	05539509831*	AA80-KV40
	3,600	5			05539562271*	32AR80-IV40	66253052540*	AA100-JV40
	3,105	5			66253061627*	AR46-HV40	66253061623*	PA46-HV40
	3,105	5			66253061628*	AR46-IV40	66253061624*	PA46-IV40
	3,600	5			66253061629*	AR60-IV40	05539569237*	PA46-JV40 <b>New!</b>
	3,600	5			66253061630*	AR60-JV40	66253061625*	PA60-IV40
	3,600	5					66253061626*	PA60-JV40
8 x 3/4 x 1-1/4	•	5	05539527274	46-IVL	66253052537*	32AR46-HV40	05539509827	AA46-JV40
	3,600	5	05539527275	46-JVL	05539527351*†	32AR46-HV40P	66253052539*	AA80-JV40
	•	5	05539527276	46-KVL	05539527353	32AR46-IV40		
	3,600	5	05539527277	60-JVL	05539527354	32AR46-JV40		
	3,600	5			05539527355	32AR60-IV40		
8 x 1 x 1-1/4	3,105	5	05539562365*	46-IVL	05539527358*	32AR46-IV40	05539562193*	AA46-IV40
	3,600	5	05539562379*	60-KVL	05539562272	32AR60-IV40		
	3,600	5			05539562318*	32AR60-KV40		

\* Non-stock. See your Carborundum Representative for current lead times.

Minimum quantity for all toolroom wheels equals box quantity.

† See 8" Max. RPM Tech Tip below.

B = Best seller

## TechTip

- 8" Type 01 and Type 05 Vitrified Toolroom Wheels' Maximum Operating Speeds:
- 46 grit, J grade and harder = 3,600 RPMs
- 54 grit, I grade and harder = 3,600 RPMs
- 60 grit and finer, H grade and harder = 3,600 RPMs
- † exceptions to the rule: speed-tested to 3,600 RPMs
- all other specifications = 3,105 RPMs



It is the user's responsibility to refer to and comply with ANSI B7.1

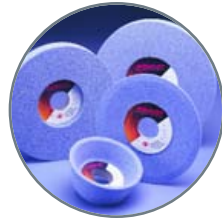


Refer to pages 74, 101 and 104 for truing and dressing products.

See Carbo Cool Wheel listings on pages 85-87 for additional porous specifications.

BONDED ABRASIVES

# Toolroom Wheels



WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>								
10 x 1/2 x 3	2,485	5					66253052916*	AA46-HV40
	2,485	5					05539569344*	AA60-JV40
10 x 3/4 x 3	2,485	2			66253052918*	32AR46-HV40		
	2,485	2			05539562201	32AR46-IV40		
	2,485	2			<b>New!</b> 05539562202*	32AR60-IV40		
	2,485	2			05539527696	32AR60-JV40		
10 x 1 x 2	2,485	2					66253053091*	AA46-HV40
	2,485	2					66253053090*	AA46-IV40
10 x 1 x 3	2,485	2	05539527278	46-GVLP	05539527697*	32AR46 GV40P	05539569070*	AA46-HV40 <b>New!</b>
	2,485	2	05539527279	46-IVL	66253054449*	32AR46-HV40	66253054439*	AA46-IV40
	2,485	2	05539527280	46-JVL	<b>New!</b> 05539569253*	32AR46-HV40P	05539509814	AA46-JV40
	2,485	2	05539527282	60-JVL	05539527359	32AR46-IV40	66253054445*	AA60-HV40
	2,485	2			<b>New!</b> 05539567967*	32AR46-JV40	66253054446*	AA60-IV40
	2,485	2			05539527360	32AR60-IV40	66253054447*	AA60-JV40
	2,485	2			05539562204	32AR60-KV40	66253054448*	AA80-JV40
	2,485	2					05539569240*	PA46-IV40 <b>New!</b>
	2,485	2					05539569242*	PA60-IV40 <b>New!</b>
	12 x 3/4 x 1-1/4	2,070	1	05539562382	46-OVL			
12 x 3/4 x 3	2,070	2			05539562210*	32AR46-HV40P	66253054540*	AA46-HV40
	2,070	2			<b>New!</b> 05539562211*	32AR46-IV40	66253054541*	AA46-IV40
	2,070	2			66253054542*	32AR46-JV40	05539569054*	AA60-IV40 <b>New!</b>
	2,070	2			66253054544*	32AR60-JV40		
12 x 3/4 x 5	2,070	2				66253054552*	AA60-JV40	
12 x 1 x 3	2,070	2	05539562325*	46-HVLP	05539527361	32AR46-HV40	66253054555*	AA46-HV40
	2,070	2	05539527283	46-IVL	05539562216 B	32AR46-IV40	66253054556*	AA46-IV40
	2,070	2	05539527284	46-JVL	05539527362	32AR46-JV40	05539509810*	AA46-JV40
	2,070	2	05539562328*	60-GVLP	05539527363*	32AR60-IV40	66253054557*	AA46-KV40
	2,070	2	05539527285*	60-IVL	05539527364	32AR60-JV40	05539569246*	PA46-KV40 <b>New!</b>
	2,070	2			66253054558*	32AR60-KV40		
	2,070	2						
12 x 1 x 5	2,070	2	05539562332*	46-IVL	05539527365	32AR46-IV40	05539524572*	AA46-HV40
	2,070	2	05539527287	46-JVL	66253053098*	32AR60-IV40	05539501900	AA46-IV40
	2,070	2	05539527290	60-JVL	66253053100*	32AR60-JV40	66253053092*	AA46-JV40
	2,070	2			66253053101*	32AR60-KV40	66253053094*	AA46-KV40
	2,070	2					05539562163*	AA60-IV40
	2,070	2					05539509807	AA60-JV40
	2,070	2					66253053096*	AA60-KV40
2,070	2					60253053097*	AA80-JV40	
12 x 1-1/4 x 3	2,070	2			05539562221	32AR46-IV40		
12 x 1-1/2 x 3	2,070	2			05539562222*	32AR60-JV40		
12 x 1-1/2 x 5	2,070	2	05539562337 B	60-GVLP	05539562223*	32AR46-GV40P		
	2,070	2			05539527368 B	32AR46-HV40		
	2,070	2			05539527369	32AR46-IV40		
	2,070	2			05539562224	32AR46-JV40		
	2,070	2			05539562226	32AR60-HV40		
	2,070	2			05539562227*	32AR46-KV40		
12 x 2 x 1-1/4	2,070	2			05539562316	32AR46-IV40	05539562166*	AA46-HV40
12 x 2 x 5	2,070	2			<b>New!</b> 05539569544*	32AR46-JV40		
	2,070	2						
14 x 1 x 3	1,800	2	05539562339*	46-IVL	66253054713*	32AR46-HV40		
	1,800	2			66253054716*	32AR60-IV40		
14 x 1 x 5	1,800	2	05539527291*	46-GVLP	05539562230	32AR46-HV40	66253054785*	AA46-IV40
	1,800	2	05539562341*	46-HVLP	05539527370	32AR46-JV40	05539509806	AA46-JV40
	1,800	2	05539562342*	46-IVL	05539527371	32AR60-JV40	66253054786*	AA46-KV40
	1,800	2	05539527292	46-JVL	66253061056*	32AR60-KV40	66253054787*	AA60-IV40
	1,800	2	05539527293	60-JVL			05539562170*	AA80-KV40
	1,800	2	05539562345*	80-JVL			05539569202*	PA46-IV40 <b>New!</b>
	1,800	2					05539569204*	PA60-JV40 <b>New!</b>

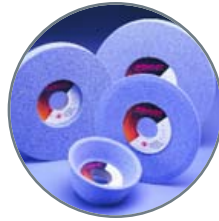
See Carbo Cool Wheel listings on pages 85-87 for additional porous specifications.

Refer to pages 74, 101 and 104 for truing and dressing products.

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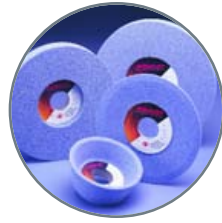


WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>								
14 x 1-1/2 x 5	1,800	1	05539527294	46-GVLP	05539562234*	32AR46-GV40P	05539524608*	AA46-HV40 <b>New!</b>
	1,800	1	05539527295 B	46-IVL	05539527372 B	32AR46-HV40	05539562172	AA46-IV40
	1,800	1	05539527296	46-JVL	05539527673	32AR46-IV40	05539509804 B	AA46-JV40
	1,800	1	05539562346 B	60-IVL	05539527700	32AR46-JV40	66253054791*	AA46-KV40
	1,800	1	05539527298	60-JVL	05539562236*	32AR46-KV40	66253054792*	AA60-HV40
	1,800	1	05539562347*	80-KVL	05539562237	32AR60-HV40	05539509803	AA60-JV40
	1,800	1			05539527674*	32AR60-IV40		
	1,800	1			05539527701*	32AR60-JV40		
14 x 2 x 5	1,800	1	05539562348	46-JVL	05539562240	32AR46-IV40	66253054797*	AA46-HV40
	1,800	1	05539562349	60-JVL	05539562241*	32AR46-KV40	66253054798*	AA46-JV40
	1,800	1			05539562242	32AR60-KV40	66253054799*	AA60-JV40
16 x 1-1/2 x 5	1,550	1					66253059029*	AA46-HV40
	1,550	1					66253059030*	AA46-JV40
	1,550	1					66253059031*	AA60-KV40
16 x 2 x 5	1,550	1					66253059032*	AA46-IV40
	1,550	1					66253059033*	AA46-JV40
	1,550	1					66253059038*	AA60-KV40
<b>Type 02 – For Surface and Tool &amp; Cutter Grinders</b>								
6 x 1 x 4	3,600	5			66253052535*	32AR46-KV40		
Rim 1, Fits Both: Four 9/32 Holes on 3-1/4" Bolt Circle & Four 7/16 Holes on 3-1/4" Bolt Circle								
9 x 2 x 5 Rim 2-1/32,	2,546	2			05539562315	32AR70-JV40P	05539503517	AA70-JV40P
Six 9/32 Holes on 4" Bolt Circle								
<b>Type 05 – For Internal Grinding</b>								
1/2 x 1/2 x 1/8	14,935	40					66253062125*	PA60-KV40
Recess 1/5 1/4 x 5/32								
1 x 1 x 3/8	32,470	40					66253062136*	PA60-KV40
Recess 1/5 1/2 x 1/2								
1-1/2 x 1 x 3/8	21,645	40					66253062140*	PA60-KV40
Recess 1/5 5/8 x 1/2								
2 x 1 x 3/8	15,980	40					66253062141*	PA60-KV40
Recess 1/5 3/4 x 1/2								
<b>Type 05 – For Surface Grinders</b>								
7 x 3/4 x 1-1/4	3,600	5			05539527702*	32AR46-IV40		
Recess 1/5 2-3/4 x 1/4	3,600	5			05539568013*	32AR60-IV40		<b>New!</b>
	3,600	5			05539562312*	32AR60-KV40		
	3,600	5					66253054745*	AA46-HV40
7 x 3/4 x 1-1/4	3,600	5					66253054746	AA46-IV40
Recess 1/5 3 x 1/4	3,600	5					66253054748	AA46-JV40
	3,600	5					66253054755*	AA60-HV40
	3,600	5					66253054756	AA60-JV40
	3,600	5						
7 x 1 x 1-1/4	3,600	5	05539527300	46-JVL	05539527703	32AR46-HV40		
Recess 1/5 2-3/4 x 1/2	3,600	5	05539527301	60-JVL	05539527675	32AR46-IV40		
	3,600	5			05539527704	32AR60-IV40		
	3,600	5					66253054764*	AA46-HV40
7 x 1 x 1-1/4	3,600	5	05539562369*	46-IVL	05539562284*	32AR46-HV40P	66253054765*	AA46-IV40
Recess 1/5 3 x 1/2	3,600	5	05539562370	60-KVL	05539562285*	32AR46-KV40	05539509798	AA46-IV40
	3,600	5					66253054767	AA46-JV40
	3,600	5					66253054768	AA46-KV40
	3,600	5					05539509796*	AA60-IV40
	3,600	5					66253054769	AA60-JV40
	3,600	5					05539505805*	AA60-KV40 <b>New!</b>
	3,600	5						
	3,600	5						

\* Non-stock. See your Carborundum Representative for current lead times.  
Minimum quantity for all toolroom wheels equals box quantity.  
B = Best seller

BONDED ABRASIVES

# Toolroom Wheels



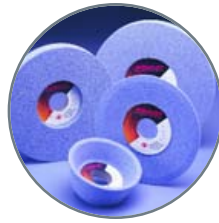
WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 05 – For Surface Grinders</b>								
7 x 1-1/4 x 1-1/4	3,600	5			05539562286*	32AR60-IV40		
Recess 1/S 2-3/4 x 5/8								
7 x 1-1/2 x 1-1/4	3,600	5			05539562287*	32AR46-IV40		
Recess 1/S 2-3/4 x 3/4								
8 x 3/4 x 1-1/4	3,105	5					05539564321*	AA46-HV40 <b>New!</b>
Recess 1/S 3 x 1/4	3,105	5					66253052857*	AA46-HV40P
	3,105	5					05539569071*	AA46-IV40 <b>New!</b>
	3,600	5					66253052856*	AA46-JV40
	3,600	5					66253052859*	AA60-IV40
	3,600	5					66253052858*	AA60-JV40
	3,600	5					66253052860*	AA60-KV40
8 x 1 x 1-1/4	3,105	5					66253052861*	AA46-HV40P
Recess 1/S 3 x 1/2	3,600	5					66253052862*	AA60-HV40
	3,600	5					66253054864*	AA60-IV40
	3,600	5					66253052866*	AA60-JV40
	3,600	5					66253052868*	AA60-KV40
8 x 1 x 1-1/4	3,105	5			05539527677	32AR46-IV40		
Recess 1/S 3-1/4 x 1/2	3,600	5			05539527678	32AR46-JV40		
	3,600	5			05539527676*	32AR60-IV40		
12 x 1-1/2 x 3	2,070	2					66253053107*	AA46-HV40
Recess 1/S 7-1/2 x 1/2	2,070	2					66253053108*	AA46-IV40
	2,070	2					66253054575*	AA46-JV40
	2,070	2						
12 x 1-1/2 x 5	2,070	2	05539562366	46-GVLP	<b>New!</b> 05539569121*	32AR46-HV40	66253054583*	AA46-KV40
Recess 1/S 7-1/2 x 1/2	2,070	2			05539562277	32AR46-IV40	66253054578*	AA60-IV40
	2,070	2					66253054584*	AA60-JV40
14 x 1-1/2 x 5	1,800	1	05539562367	46-JVL	05539562279	32AR46-IV40	05539562195*	AA46-HV40
Recess 1/S 8 x 1/2	1,800	1	05539562368*	60-JVL	<b>New!</b> 05539562280*	32AR46-KV40	05539567482*	AA46-IV40 <b>New!</b>
	1,800	1			05539562281	32AR60-IV40	66253054794*	AA46-JV40
	1,800	1			66253061063*	32AR60-JV40	66253054796*	AA60-HV40
	1,800	1			<b>New!</b> 05539562282*	32AR60-KV40	05539569087*	AA60-IV40 <b>New!</b>
	1,800	1			<b>New!</b> 05539568664*	32AR46-KV40	66253054800*	AA46-HV40
14 x 2 x 5	1,800	1			05539562283	32AR60-KV40	66253054801*	AA46-IV40
Recess 1/S 8 x 1	1,800	1					66253054802*	AA46-JV40
	1,800	1					66253054803*	AA46-KV40
	1,800	1					66253054804*	AA60-IV40
	1,800	1					66253054805*	AA60-JV40
<b>Type 06 – For Tool &amp; Cutter Grinders</b>								
4 x 2 x .787 (20mm)	5,730	5					05539509793	AA80-JV40
Rim 3/8, Back 3/8								
5 x 1-1/2 x 1-1/4	4,585	5			05539562288	32AR46-KV40		
Rim 3/8, Back 3/8	4,585	5			05539527705	32AR60-KV40		
6 x 1-1/2 x 1-1/4	3,820	5			66253052239*	32AR46-JV40		
Rim 3/8, Back 3/8	3,820	5			66253052240*	32AR60-JV40		
6 x 1-1/2 x 1-1/4	3,820	5					05539509792*	AA60-JV40
Rim 1-1/2, Back 1/2								
<b>Type 07 – For Surface Grinders</b>								
12 x 2 x 3	2,070	1					66253054700*	AA46-IV40
Recess 2/S 6-1/2 x 1/2	2,070	1					66253054703*	AA60-JV40
12 x 2 x 3	2,070	1			05539562291*	32AR46-JV40		
Recess 2/S 7-1/4 x 1/2								
12 x 2 x 5	2,070	1			05539562292	32AR46-HV40	66253054706*	AA46-IV40
Recess 2/S 7-1/2 x 1/2	2,070	1			05539562294	32AR46-KV40	66253054708*	AA46-JV40
	2,070	1					66253054709*	AA60-HV40
	2,070	1					66253054711*	AA60-JV40
	2,070	1					66253054712*	AA60-KV40

\* Non-stock. See your Carborundum Representative for current lead times.  
Minimum quantity for all toolroom wheels equals box quantity.

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WHEEL SIZE	MAX. RPM	WHEELS/ BOX	BEST – MEDALIST		BETTER – 32AR & AR		GOOD – AA & PA	
			PART NO.	GRADING	PART NO.	GRADING	PART NO.	GRADING
<b>Type 07 – For Surface Grinders</b>								
14 x 2 x 5	1,800	1					66253054806*	AA46-IV40
Recess 2/S 8 x 3/8	1,800	1					66253054808*	AA46-JV40
	1,800	1					66253054809*	AA46-KV40
<b>Type 11 – For Tool &amp; Cutter Grinders</b>								
3-1/2 /2-3/4 x	7,640	5			66253051978*	32AR46-JV40		
1-1/2 x 1-1/4	7,640	5			66253051992*	32AR46-KV40		
Rim 3/4, Back 3/8	7,640	5			66253051993*	32AR60-JV40		
	7,640	5			66253041994*	32AR60-KV40		
4 / 3 x 1-1/2 x 1-1/4	5,730	5	05539562371*	46-IVLP	05539527679	32AR46-KV40	05539509790*	AA46-KV40
Rim 1/4, Back 1/2	5,730	5	05539527302	46-JVL	05539527680	32AR60-JV40	05539509788*	AA60-KV40
	5,730	5	05539569173*	60-HVLP <b>New!</b>	05539527681	32AR60-KV40		
	5,730	5	05539527303	60-JVL	66253051997*	32AR80-JV40		
	5,730	5	05539562373*	80-KVL	05539569167*	32AR120-KV40 <b>New!</b>		
5 / 3-3/4 x 1-3/4 x 1-1/4	4,585	5	05539527305	46-JVL	05539527682	32AR46-JV40	05539567353*	AA46-HV40 <b>New!</b>
Rim 1/4, Back 1/2	4,585	5	05539569177*	60-IVL <b>New!</b>	05539527684	32AR46-KV40	05539569412*	AA46-JV40 <b>New!</b>
	4,585	5	05539527306	60-KVL	05539527685	32AR60-JV40	05539569097*	AA46-KV40 <b>New!</b>
	4,585	5			05539527683	32AR60-KV40	05539509783	AA60-JV40
	4,585	5					05539509782	AA60-KV40
6 / 4-1/2 x 2 x 1-1/4	3,820	5			05539562301	32AR46-IV40	05539509781	AA46-KV40
Rim 3/8, Back 1/2	3,820	5			66253052001*	32AR46-JV40		
<b>Type 12 – For Tool &amp; Cutter Grinders</b>								
4 x 1/2 x 3/4	6,210	5			66253051996*	32AR80-JV40		
U = 3/8, E = 5/16								
6 x 1/2 x 1-1/4	4,140	5	05539527308	46-JVL	05539527707	32AR60-JV40	05539509777	AA60-JV40
U = 3/8, E = 5/16	4,140	5	05539527309*	60-LVL	05539562306*	32AR60-KV40		
J = 3, K = 3								
6 x 3/4 x 1-1/4	4,140	5	05539527310*	60-KVL	66253051999*	32AR46-JV40	66253051998*	AA60-KV40
U = 3/8, E = 3/8, J = 3, K = 3		5			66253052000*	32AR60-JV40		
7 x 1/2 x 1-1/4	3,600	5			05539562275*	32AR60-KV40		
U = 7/16, E = 11/32, J = 2-3/4, K = 3-1/4								
7 x 3/4 x 1-1/4	3,600	5			05539562313 *	32AR60-KV40		
U = 1/2, E = 1/2, J = 2-3/4, K = 3-1/4								
8 x 1-9/16 x 1-1/4	3,105	4	05539562380	46-JVL				
U = 7/16, E = 25/32, J = 3, K = 3								
10 x 1 x 1-1/4	2,485	2			05539562303	32AR54-JV40		
U = 2, E = 11/16, J = 6-1/4, K = 3-5/8								
<b>Refer to diagram on page 73 for dimension key.</b>								
<b>Type 37 – For Surface Grinders</b>								
10 x 3-1/2 x 8	2,105	1	05539562383	54-IVL				
Rim 1, Eight 1/4-20 Bolts on 9" Bolt Circle								

\* Non-stock. See your Carborundum Representative for current lead times.  
Minimum quantity for all toolroom wheels equals box quantity.

See Carbo Cool Wheel listings on pages 85-87 for additional porous specifications.  
Refer to pages 74, 101 and 104 for truing and dressing products.

## Skate Sharpening Wheels - Gold 32AR Aluminum Oxide Abrasive

### Features

- Premium aluminum oxide abrasive - gray/purple
- Strong vitrified bond
- Plastic bushing

### Benefits

- Fast, cool cutting action
- No burn
- Consistent form holding
- Long life
- Provides a tighter fit – reducing vibrations and arbor-wear on the skate grinder

Sharpening all types of skate blades.



Refer to pages 74, 101 and 104 for truing and dressing products.

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>Type 01 - For Skate Sharpening Machines</b>				
05539528044*	8 x 5/16 x 1-1/4	32AR80-KV40	3,600	5
<b>Type 01 Cross Grind - For Skate Sharpening Machines</b>				
05539509972	6 x 1 x 1	60 - Medium	4,140	5

## Saw Gumming Wheels - Premier Red Zirconia Alumina Abrasive - Resin Bond

### Features

- Durable 2ZA zirconia alumina abrasive

### Benefits

- Designed specifically for large, timber-harvesting, circular and band saw steel blades

Saw gumming wheels are used primarily to shape and resharpen various timber and woodworking saws.

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>Type 01 - For Saw Gumming</b>				
66253062023*	10 x 5/8 x 1-1/4	2ZA36-NB67	3,630	5
66253062026*	12 x 5/8 x 1-1/4	2ZA36-NB67	3,025	5
66253062029*	12 x 3/4 x 1-1/4	2ZA36-NB67	3,025	5
66253062030*	12 x 7/8 x 1-1/4	2ZA36-NB67	3,025	5
66253062031*	12 x 1 x 1-1/4	2ZA36-NB67	3,025	5

\* Non-stock. See your Carborundum Representative for current lead times.

## Saw Gumming Wheels - Gold 32AR Aluminum Oxide Abrasive - Vitrified Bond

### Features

- High-performance aluminum oxide abrasive and strong vitrified bond

### Benefits

- Long wheel life on medium to heavy stock removal operations on lower-speed machines

Saw gumming wheels are used primarily to shape and resharpen various timber and woodworking saws.

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>Type 01 - For Saw Gumming</b>				
66253061632*	8 x 3/16 x 1-1/4	32AR46-MV40	4,535	5
66253062014*	10 x 3/8 x 1-1/4	32AR46-MV40	3,630	5
66253062013*	10 x 1/2 x 1-1/4	32AR46-MV40	3,630	5

\* Non-stock. See your Carborundum Representative for current lead times.

Refer to pages 74, 101 and 104 for truing and dressing products.

## Carbo Cool Medalist R Ceramic Alumina Abrasive

### Features

- Ceramic Medalist R abrasive with VPP porous bond – purple
- Controlled porosity bond
- Durable bond post
- Maximum depth of cut

### Benefits

- Maximum productivity; lowest total grinding costs
- Increased chip clearance, maximum coolant flow, reduced loading
- Cool cutting – wet or dry – in heat-sensitive applications
- Maximum grain retention
- Less dressing; longer wheel life
- Consistent grinding action at high metal removal rates

High porosity for heavy stock removal, heat-sensitive applications.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Heavy Stock Removal</b>				
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>				
05539564481*	7 x 1/2 x 1-1/4	46-HVPP	3,600	5
05539564497*	8 x 1/2 x 1-1/4	46-GVPP	3,600	5
05539564503		46-HVPP	3,600	5
05539564505*	12 x 1 x 3	46-HVPP	2,710	2

\* Non-stock. See your Carborundum Representative for current lead times. Minimum quantity for all toolroom wheels equals box quantity.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Heavy Stock Removal</b>				
<b>Type 05 – For Surface Grinders</b>				
05539564493*	7 x 1 x 1-1/4	46-GVPP	3,600	5
05539564495*	Recess 1/8 2-3/4 x 1/2	60-GVPP	3,600	5
05539564504*	8 x 1 x 1-1/4	46-HVPP	3,600	5
05539564516*	Recess 1/8 3-1/4 x 1/2	60-HVPP	3,600	5
05539564500*	12 x 1-1/2 x 5	46-GVPP	2,710	2
05539564518*	Recess 1/8 7-1/2 x 1/2	60-HVPP	2,710	2
05539564508*	14 x 1-1/2 x 5	46-HVPP	2,320	1
	Recess 1/8 8 x 1/2			

## Carbo Cool AR Aluminum Oxide Abrasive

### Features

- Durable aluminum oxide abrasive with VPP porous bond – ruby
- Controlled porosity bond
- Durable bond post

### Benefits

- Extremely cool cutting
- Good form holding
- Increased chip clearance, maximum coolant flow, reduced loading
- Cool cutting – wet or dry – in heat-sensitive applications
- Maximum grain retention
- Less dressing; longer wheel life

Engineered for medium to heavy stock removal, heat-sensitive applications.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Medium/Heavy Stock Removal</b>				
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>				
66253051674*	6 x 1/2 x 1-1/4	AR60-HVPP	5,410	5
66253051678*	6 x 3/4 x 1-1/4	AR46-HVPP	5,410	5
66253051679*		AR60-GVPP	5,410	5
66253051680*		AR60-HVPP	5,410	5
05539564480*	7 x 1/2 x 1-1/4	AR46-GVPP	3,600	5
05539564484		AR46-HVPP	3,600	5
66253054724*		AR46-IVPP	3,600	5
05539564486*		AR60-HVPP	3,600	5
66253054725*		AR60-IVPP	3,600	5
66253054728*		AR80-HVPP	3,600	5
66253054734*	7 x 3/4 x 1-1/4	AR46-GVPP	3,600	5
66253054741*		AR60-GVPP	3,600	5

continued



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Medium/Heavy Stock Removal (cont'd)</b>				
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>				
66253052852*	8 x 1/2 x 1-1/4	AR46-GVPP	3,600	5
05539564530		AR46-HVPP	3,600	5
66253052855*		AR60-GVPP	3,600	5
66253053087*	10 x 3/4 x 3	AR46-GVPP	3,250	5
66253054530*	10 x 1 x 3	AR46-GVPP	3,250	5
66253054561*	12 x 1 x 3	AR46-HVPP	2,710	2
66253053102*	12 x 1 x 5	AR46-GVPP	2,710	2
66253053106*		AR46-HVPP	2,710	2
66253061069*	14 x 1 x 5	AR46-GVPP	2,320	2
66253061070*		AR46-HVPP	2,320	2
66253061074*	14 x 1-1/2 x 5	AR46-GVPP	2,320	2

BONDED ABRASIVES

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# Carbo Cool Toolroom Wheels

## Carbo Cool AR Aluminum Oxide Abrasive (continued)

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>High Porosity – For Medium/Heavy Stock Removal (cont'd)</b>				
<b>Type 05 – For Surface Grinders</b>				
66253054759*	7 x 3/4 x 1-1/4	AR46-GVPP	3,600	5
66253054760*	Recess 1/S 3 x 1/4	AR46-HVPP	3,600	5
66253054761*		AR60-GVPP	3,600	5
05539564529*	7 x 1 x 1-1/4	AR46-HVPP	3,600	5
05539564545*	Recess 1/S 2-3/4 x 1/2	AR60-HVPP	3,600	5
66253054771*	7 x 1 x 1-1/4	AR46-GVPP	3,600	5
66253054772*	Recess 1/S 3 x 1/2	AR60-GVPP	3,600	5
05539564531*	8 x 1 x 1-1/4	AR46-HVPP	3,600	5
05539564538*	Recess 1/S 3-1/4 x 1/2	AR60-GVPP	3,600	5
05539564547*		AR60-HVPP	3,600	5
05539564535*	14 x 1-1/2 x 5	AR46-HVPP	2,320	1
	Recess 1/S 8 x 1/2			

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>High Porosity – For Medium/Heavy Stock Removal (cont'd)</b>				
<b>Type 07 – For Surface Grinders</b>				
05539564534*	12 x 2 x 5	AR46-HVPP	2,710	1
	Recess 2/S 7-1/2 x 1/2			

\* Non-stock. See your Carborundum Representative for current lead times. Minimum quantity for all toolroom wheels equals box quantity.

Refer to pages 74, 101 and 104 for truing and dressing products.

## Carbo Cool PA Aluminum Oxide Abrasive

### Features

- Friable, aluminum oxide abrasive with VPP porous bond – pink
- Controlled porosity bond
- Durable bond post

### Benefits

- Designed to grind a broad variety of steels at light to moderate feed rates
- Increased chip clearance and maximum coolant flow
- Reduced loading
- Cool cutting – wet or dry – in heat-sensitive applications
- Maximum grain retention
- Less dressing; longer wheel life

Excels in light to medium stock removal, heat-sensitive applications.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>High Porosity – For Light/Medium Stock Removal</b>				
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>				
66253051941*	7 x 3/8 x 1-1/4	PA60-IVPP	3,600	5
05539564477	7 x 1/2 x 1-1/4	PA46-GVPP	3,600	5
05539564490		PA46-HVPP	3,600	5
05539564491*		PA60-GVPP	3,600	5
05539564492*		PA60-HVPP	3,600	5
05539564554*	8 x 1/2 x 1-1/4	PA46-GVPP	3,600	5
05539564562*		PA46-HVPP	3,600	5
05539564576*		PA60-HVPP	3,600	5
66253053088*	10 x 3/4 x 3	PA46-HVPP	3,250	5
66253054537*	10 x 1 x 3	PA46-IVPP	3,250	5
66253054538*		PA60-IVPP	3,250	5
66253054545*	12 x 3/4 x 3	PA46-HVPP	2,710	2
66253054551*		PA46-IVPP	2,710	2
66253054567*	12 x 1 x 3	PA46-IVPP	2,710	2
66253053104*	12 x 1 x 5	PA46-IVPP	2,710	2
66253054717*	14 x 1 x 3	PA46-IVPP	2,320	2
66253061075*	14 x 1-1/2 x 5	PA46-IVPP	2,320	2



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>High Porosity – For Light/Medium Stock Removal (cont'd)</b>				
<b>Type 05 – For Surface Grinders</b>				
05539564565*	12 x 1-1/2 x 5	PA46-HVPP	2,710	2
05539564572*	Recess 1/S 7-1/2 x 1/2	PA60-GVPP	2,710	2
05539564560*	14 x 1-1/2 x 5	PA46-GVPP	2,320	1
05539564567*	Recess 1/S 8 x 1/2	PA46-HVPP	2,320	1
05539564574*		PA60-GVPP	2,320	1
05539564581*		PA60-HVPP	2,320	1
<b>Type 07 – For Surface Grinders</b>				
05539564566*	12 x 2 x 5	PA46-HVPP	2,710	1
	Recess 2/S 7-1/2 x 1/2			

\* Non-stock. See your Carborundum Representative for current lead times. Minimum quantity for all toolroom wheels equals box quantity.

## Carbo Cool AA Aluminum Oxide Abrasive

### Features

- Most friable aluminum oxide abrasive with VPP porous bond – white
- Versatile
- Controlled porosity bond
- Durable bond post

### Benefits

- Exceptionally cool cutting in light pressure grinding applications, or where burn is a concern
- Ideal for use across a broad variety of tool steels
- Increased chip clearance, maximum coolant flow, reduced loading
- Cool cutting – wet or dry – in heat-sensitive applications
- Maximum grain retention
- Less dressing; longer wheel life

Excellent for light stock removal, heat-sensitive applications.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Light Stock Removal</b>				
<b>Type 01 – For Surface, Cylindrical and Tool &amp; Cutter Grinders</b>				
05539564479	7 x 1/2 x 1-1/4	AA46-GVPP	3,600	5
05539564487*		AA46-HVPP	3,600	5
05539564488*		AA60-GVPP	3,600	5
05539564592*	8 x 1/2 x 1-1/4	AA46-GVPP	3,600	5
05539564599*		AA46-HVPP	3,600	5
05539564606*		AA60-GVPP	3,600	5
05539564601*	12 x 1 x 3	AA46-HVPP	2,710	2



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>High Porosity – For Light Stock Removal</b>				
<b>Type 05 – For Surface Grinders</b>				
05539564602*	12 x 1-1/2 x 5	AA46-HVPP	2,710	2
05539564609*	Recess 1/S 7-1/2 x 1/2	AA60-GVPP	2,710	2
<b>Type 07 – For Surface Grinders</b>				
05539564603*	12 x 2 x 5	AA46-HVPP	2,710	1
	Recess 2/S 7-1/2 x 1/2			

\* Non-stock. See your Carborundum Representative for current lead times. Minimum quantity for all toolroom wheels equals box quantity.

## GC Silicon Carbide Abrasive

### Features

- High performance, sharp, silicon carbide abrasive – green
- Performance vitrified bond

### Benefits

- Fast stock removal
- Cool, free cut
- Long life

GC abrasive is used for grinding hard, cemented carbide tooling and non-ferrous materials.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Carbide</b>				
<b>Type 01 – For Surface and Tool &amp; Cutter Grinders</b>				
05539509586*	6 x 1/2 x 1-1/4	GC60-IVGC	4,140	5
05539509585 B		GC80-IVGC	4,140	5
05539509582		GC120-IVGC	4,140	5
05539509581	6 x 3/4 x 1-1/4	GC60-IVGC	4,140	5
05539509580		GC80-IVGC	4,140	5
05539509578		GC120-IVGC	4,140	5
66253060303*	7 x 1/4 x 1-1/4	GC60-IVGC	3,600	5
66253060304*		GC80-IVGC	3,600	5
66253060305*		GC100-IVGC	3,600	5
<b>New!</b> 05539569208*		GC120-HVGC	3,600	5
05539509576	7 x 1/2 x 1-1/4	GC60-IVGC	3,600	5
05539509575		GC80-IVGC	3,600	5
05539562390*		GC80-JVGC	3,600	5
05539509574*		GC100-IVGC	3,600	5
05539509573*		GC120-IVGC	3,600	5

continued



BONDED ABRASIVES

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Carbide</b>				
<b>Type 01 – For Surface and Tool &amp; Cutter Grinders (cont'd)</b>				
05539562392*	7 x 3/4 x 1-1/4	GC80-JVGC	3,600	5
66253060314*	8 x 1/4 x 1-1/4	GC80-IVGC	3,600	5
05539509572	8 x 1/2 x 1-1/4	GC60-IVGC	3,600	5
66253060315*		GC80-IVGC	3,600	5
05539562395 B		GC100-IVGC	3,600	5

continued

# Toolroom Wheels

## GC Silicon Carbide Abrasive (continued)

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
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### For Carbide

#### Type 01 - For Surface and Tool & Cutter Grinders (continued)

05539509570	8 x 3/4 x 1-1/4	GC60-IVGC	3,600	5
05539562397	8 x 1 x 1-1/4	GC60-JVGC	3,600	5
05539562398		GC80-IVGC	3,600	5
66253061066*	10 x 1 x 3	GC60-JVGC	2,485	2
05539562386	14 x 1 x 5	GC60-IVGC	1,800	2
05539562388	14 x 2 x 5	GC60-JVGC	1,800	1

#### Type 02 - For Surface and Tool & Cutter Grinders

05539509566	6 x 1 x 4	GC60-IVGC	3,600	2
05539509565*	Rim 1, Fits Both:	GC100-IVGC		2
05539509564	Four 9/32 Holes on 3-1/4" Bolt Circle Four 7/16 Holes on 3-1/4" Bolt Circle	GC120-IVGC		2
66253059203*	14 x 4 x 1-1/4 Rim 1-1/2", Plate Mounted, Tape Wound	GC60-IVGC	1,640	1

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
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### For Carbide

#### Type 05 - For Surface Grinding

66253060309*	7 x 3/4 x 1-1/4	GC60-IVGC	3,600	5
66253060310*	Recess 1/S 3 x 1/4	GC80-IVGC	3,600	5
66253060311*		GC100-IVGC	3,600	5
66253060312*	7 x 1 x 1-1/4	GC60-IVGC	3,600	5
05539569224*	Recess 1/S 3 x 1/2	GC80-IVGC	3,600	5
66253060316*	8 x 1 x 1-1/4 Recess 1/S 3 x 1/2	GC60-IVGC	3,600	5

**New!**

\* **Non-stock. See your Carborundum Representative for current lead times.**

**Minimum quantity for all toolroom wheels equals box quantity.**

**B = Best seller**