



TOOL POST WHEELS

SERIES 902:

ALUMINUM OXIDE ABRASIVE

Application: Ideal for grinding steel on high speed tool post grinders and universal attachments on cylindrical grinders.

Order No.	Wheel Size	Grading	Max RPM	Wheels/ Box	Price Each
For Steel/Metal					
Type 1 - For Tool Post Grinders					
09907	2 x 1/2 x 3/8	A36-P5B6	18,145	10	



PORTABLE SNAGGING CUP AND STRAIGHT WHEELS

CUP WHEELS

SERIES 893:



PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application: Best choice for grinding steel, steel alloys and cast iron. Used for grinding weld seams, cleaning metal before welding, grinding off fins and parting lines, smoothing surfaces on castings and smoothing surfaces before painting or plating.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Full Steel Back Bushing					
99694	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-QB64	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Standard Back Bushing					
09156	5 / 3-3/4 x 2 x 5/8-11 Rim 1, Back 3/4	2ZA16-QB64	7,260	10	
08397	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA14-QB64	6,000	10	
07176	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-QB64	6,000	10	
09155	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-PB64	6,000	10	

STRAIGHT WHEELS

PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application: Use when grinding with a hand-held machine. Best choice for grinding steel, steel alloys and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
09169	6 x 1 x 5/8	2ZA14-RBF64	8,000	5	
09167	8 x 1 x 5/8	2ZA14-RBF64	6,000	5	

ALUMINUM OXIDE ABRASIVE

Application: Economical choice for grinding steel, steel alloys and all ferrous metals.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Full Steel Back Bushing					
07182	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A16-PB5	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Standard Back Bushing					
09166	4 / 3 x 2 x 5/8-11 Rim 3/4, Back 3/4	A16-PB5	9,070	10	
09162	5 / 3-3/4 x 2 x 5/8-11 Rim 1, Back 3/4	A24-PB5	7,260	10	
09160	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A16-PB5	6,000	10	
09159	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A24-PB5	6,000	10	

ALUMINUM OXIDE/SILICON CARBIDE ABRASIVE BLEND

Application: Economical choice for grinding sand impregnated castings, aluminum, and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Aluminum/Cast Iron					
Full Steel Back Bushing					
07183	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	CGA16-QB5	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Aluminum/Cast Iron					
Standard Back Bushing					
07181	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	CGA16-QB5	6,000	10	

REINFORCED ALUMINUM OXIDE ABRASIVE

Application: Use when grinding with a hand-held machine. Ideal for grinding steel, steel alloys and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
9997347	8 x 1 x 5/8	GA16-P5BF5	4,540	5	



GRINDING WHEELS



Packaging for Straight Wheels:

Up to 3/4" width - 10 pcs. per carton
 3/4" width and over - 5 pcs. per carton
 All 12" Diameter - 2 pcs. per carton

See page 334 for information on Grade Selections and Grit.

WHITE ALUMINUM OXIDE SURFACE GRINDING WHEELS

SERIES 180:



Type 1 (except as noted; see below)

Size	Grit	Hardness	Order No.	Price
7 x 1/4 x 1-1/4	46	I	4601621	
7 x 1/4 x 1-1/4	60	I	4601631	
7 x 1/4 x 1-1/4	60	J	4601632	
7 x 1/4 x 1-1/4	60	K	4601633	
7 x 1/4 x 1-1/4	80	J	4601642	
7 x 1/4 x 1-1/4	80	K	4601643	
7 x 1/4 x 1-1/4	100	K	4601653	
7 x 1/4 x 1-1/4	150	K	4601673	
7 x 1/2 x 1-1/4	46	H	4603220	
7 x 1/2 x 1-1/4	46	I	4603221	
7 x 1/2 x 1-1/4	46	J	4603222	
7 x 1/2 x 1-1/4	46	K	4603223	
7 x 1/2 x 1-1/4	60	H	4603230	
7 x 1/2 x 1-1/4	60	I	4603231	
7 x 1/2 x 1-1/4	60	J	4603232	
7 x 1/2 x 1-1/4	60	K	4603233	
7 x 1/2 x 1-1/4	80	J	4603242	
7 x 1/2 x 1-1/4	80	K	4603243	
7 x 1/2 x 1-1/4	100	K	4603253	
7 x 1/2 x 1-1/4	150	K	4603273	
7 x 3/4 x 1-1/4	46	I	4604821	
7 x 3/4 x 1-1/4	46	J	4604822	
7 x 3/4 x 1-1/4	46	K	4604823	
7 x 3/4 x 1-1/4	60	I	4604831	
7 x 3/4 x 1-1/4	60	J	4604832	
7 x 3/4 x 1-1/4	60	K	4604833	
7 x 3/4 x 1-1/4	80	K	4604843	
7 x 1 x 1-1/4	46	H	4606420	
7 x 1 x 1-1/4	46	I	4606421	
7 x 1 x 1-1/4	46	J	4606422	
7 x 1 x 1-1/4	46	K	4606423	
7 x 1 x 1-1/4	60	I	4606431	
7 x 1 x 1-1/4	60	J	4606432	
7 x 1 x 1-1/4	60	K	4606433	
7 x 1 x 1-1/4	100	K	4606453	
8 x 1/2 x 1-1/4	46	K	4613241	
8 x 1/2 x 1-1/4	60	H	4613240	
8 x 1/2 x 1-1/4	60	I	4613245	
8 x 1/2 x 1-1/4	60	J	4613232	
8 x 1/2 x 1-1/4	80	K	4613243	

Note: 7" x 3/4" x 1 - 1/4" Wheels are recessed 1 side (3" x 1/4"); Type 5
 7" x 1" x 1 - 1/4" Wheels are recessed 1 side (3" x 1/2"); Type 5

GREEN SILICON CARBIDE SURFACE GRINDING WHEELS

SERIES 186:



TYPE 1

Size	Grit	Hardness	Order No.	Price
7 x 1/2 x 1-1/4	60	I	1407323	
7 x 1/2 x 1-1/4	80	I	1407324	
7 x 1/2 x 1-1/4	100	I	1407325	

WHITE ALUMINUM OXIDE CUP WHEELS

SERIES 181: Flaring Type 11 - 4/3 x 1-1/2 x 1-1/4

SERIES 182: Straight Type 6 - 5 x 1-1/2 x 1-1/4



Size	Grit	Hardness	Order No.	Price
4/3 x 1-1/2 x 1-1/4	46	H	1370420	
4/3 x 1-1/2 x 1-1/4	46	I	1370421	
4/3 x 1-1/2 x 1-1/4	46	J	1370422	
4/3 x 1-1/2 x 1-1/4	46	K	1370423	
4/3 x 1-1/2 x 1-1/4	60	H	1370430	
4/3 x 1-1/2 x 1-1/4	60	I	1370431	
4/3 x 1-1/2 x 1-1/4	60	J	1370432	
4/3 x 1-1/2 x 1-1/4	60	K	1370433	
4/3 x 1-1/2 x 1-1/4	80	K	1370443	
5 x 1-1/2 x 1-1/4	46	H	1375520	
5 x 1-1/2 x 1-1/4	46	I	1375521	
5 x 1-1/2 x 1-1/4	46	J	1375522	
5 x 1-1/2 x 1-1/4	46	K	1375523	
5 x 1-1/2 x 1-1/4	60	H	1375530	
5 x 1-1/2 x 1-1/4	60	I	1375531	
5 x 1-1/2 x 1-1/4	60	J	1375532	
5 x 1-1/2 x 1-1/4	60	K	1375533	
5 x 1-1/2 x 1-1/4	80	K	1375543	

Packaging for Cup Wheels: 20 Pcs. Per carton

GREEN SILICON CARBIDE PLATE MOUNTED GRINDING WHEELS

SERIES 187: MEDA - SUPERIOR IMPORT

SERIES 890: CARBORUNDUM

Type 2

SIZE: 6 x 1 x 1-1/4 with 4 bolt holes.



Grit and Hardness	Order No.	Price
60I	1410003	
80I	1410004	
100I	1410005	
120I	1410006	



Order No.	Grading	Max RPM	Wheels/Box	Price
09566	GC60-IVGC	3,600	2	
09564	GC120IVGC	3,600	2	



GREEN SILICON CARBIDE SURFACE GRINDING WHEELS

SERIES 186:



TYPE 1

Size	Grit	Hardness	Order No.	Price
7 x 1/2 x 1-1/4	60	I	1407323	
7 x 1/2 x 1-1/4	80	I	1407324	
7 x 1/2 x 1-1/4	100	I	1407325	

DISH WHEEL

SERIES 187: Type 12

For saw sharpening and tool and cutter grinding.

Size: 6 x 3/4 x 1-1/4"

Grit: 60

Hardness: H

Order No. 6340600	
Price	



ABRASIVES

TOOLROOM WHEELS

SERIES 890:



TOOLROOM GRINDING APPLICATIONS

Toolrooms are found in almost every manufacturing plant throughout the country. They may be called by other names such as: machine shops, maintenance shops or repair shops, however the work done is virtually the same. Toolroom grinding involves the production, maintenance and repair of cutting tools and machinery parts used in all types of manufacturing operations.

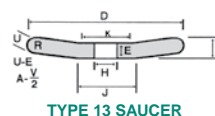
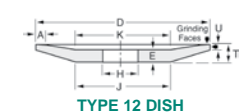
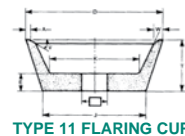
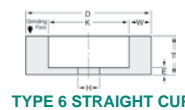
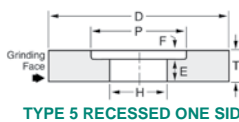
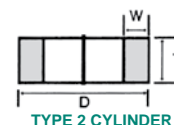
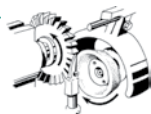
Surface Grinding

The grinding of flat, contoured or angular surfaces on a workpiece which is passed in a horizontal plane against a revolving grinding wheel. Surface grinding applications range from heavy, rapid stock removal operations to precision contouring.



Tool and Cutter Grinding

The grinding or resharpener of milling cutters, reamers, drills or end mills for the purpose of restoring keen cutting edges or exact cutting angles.



Medalist Ceramic Alumina

Medalist blue wheels are ideal for grinding all high speed tool steels, especially the most difficult to grind. For the highest productivity, longest life and coolest grind on moderate to very heavy stock removal applications.



Gold 32AR

32AR abrasive is the industry's best, most versatile aluminum oxide abrasive for toolroom grinding and is ideal for grinding all types of tool steels. Great for medium to heavy stock removal. Gold 32AR wheels are gray/purple in color.



AA

AA is our most friable aluminum oxide abrasive. It is outstanding for cool, fast cutting action on high speed steels and cast alloy steels. Best for light to medium stock removal. AA wheels are white in color.



GC

GC is the abrasive of choice for grinding carbide tooling, as well as other nonferrous materials because silicon carbide is very sharp and very hard. GC wheels are green in color.

How To Use Toolroom Basics

- Abrasive:** Select abrasive type based on performance, stock removal rate and material style.
- Grit Size:** Select the grit size depending on finish required, stock removal rate needed and corner/form holding requirements.
- Bond:** Select the appropriate bond based on the abrasive selected, and the contact area.*
- Grade:** Selection based on bond selected, contact area* and heat sensitivity/thickness of material to be ground.

Toolroom Basics

Productivity	Abrasive	Color	Grit	Grade	Narrow Contact Form Holding Bond	Medium/Wide Contact Area Porous Bond	Dressing Tool
Highest	More Durable Medalist	Blue	46 (Coarse)	F (Soft)	VL	VLP	Medalist Tool
↕	↕	↕	↕	↕	↕	↕	↕
Standard	More Friable	Gray/Purple	220 (Fine)	Q (Hard)	V40	V40P	Standard Tool
	AA	White			V40	V40P	Standard Tool

Grade Selections:

General Conditions and Needs	Normal Grade Range	Starting Grade	Bond
Narrow contact area* or form holding	K - L	K	VL, V40
General surface grinding	H - K	J	VL, V40
Medium/Wide contact area*, cooler grind	F - H	H	VLP, V40P

Grit:

Grit	Requirements	Finish	Minimum Corner Radius
46	General purpose	32 Ra and rougher	0.020"
60	Commercial finish	32 Ra and better	0.015"
80	Fine finish	20 Ra and better	0.010"
120	Very fine finish	10 Ra and better	0.006"
150	Corner/form holding		0.005"
180	Corner/form holding		0.0035"
220	Corner/form holding		0.002"

*Definitions of Contact Area:

- Wide:** The contact area of the grind is greater than 50% of the wheel width or over 1/2" wide.
- Medium:** The contact area of the grind is 25% - 50% of the wheel width or over 1/4" - 1/2" wide.
- Narrow:** The contact area of the grind is less than 25% of the wheel width or less than 1/4" wide.

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TOOLROOM WHEELS

SERIES 890:
(Continued)



CarboCool high porosity wheels for heavy stock removal available; please inquire.

AA ALUMINUM OXIDE ABRASIVE

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

- Use V40 bond for general purpose applications or medium contact areas.
- Use V40P bond on wide contact areas where heat is an issue.



GOLD 32AR ALUMINUM OXIDE ABRASIVE

Application: Ideal for moderate to heavy infeed rates, rapid stock removal and precision contouring. Use V40 bond for general purpose applications or medium contact areas. Use V40P bond on wide contact areas where heat is an issue.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Medium-to-Grind Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
09874	7 x 1/4 x 1-1/4	AA60-KV40	3,600	10	
27714	7 x 1/4 x 1-1/4	AA100-KV40	3,600	10	
09866	7 x 1/4 x 1-1/4	AA150-KV40	3,600	10	
09865	7 x 1/4 x 1-1/4	AA46-HV40	3,600	10	
09864	7 x 1/2 x 1-1/4	AA46-IV40P	3,600	5	
09863	7 x 1/2 x 1-1/4	AA46-JV40	3,600	5	
09860	7 x 1/2 x 1-1/4	AA60-IV40	3,600	5	
09859	7 x 1/2 x 1-1/4	AA60-JV40	3,600	5	
09858	7 x 1/2 x 1-1/4	AA80-HV40	3,600	5	
09854	7 x 1/2 x 1-1/4	AA80-KV40	3,600	5	
09852	7 x 1/2 x 1-1/4	AA100-IV40	3,600	5	
62180	7 x 1/2 x 1-1/4	AA46-KV40	3,600	5	
09848	7 x 3/4 x 1-1/4	AA60-IV40	3,600	5	
09844	8 x 1/4 x 1-1/4	AA100-KV40	3,600	5	
09841	8 x 1/2 x 1-1/4	AA46-HV40P	3,600	5	
09836	8 x 1/2 x 1-1/4	AA60-IV40	3,600	5	
62190	8 x 1/2 x 1-1/4	AA60-JV40	3,600	5	
27716	8 x 1/2 x 1-1/4	AA80-JV40	3,600	5	
09827	8 x 3/4 x 1-1/4	AA46-JV40	3,600	5	
09814	10 x 1 x 3	AA46-JV40	2,485	2	
09810	12 x 1 x 3	AA46-JV40	2,070	2	
01900	12 x 1 x 5	AA46-IV40	2,070	2	
09807	12 x 1 x 5	AA60-JV40	2,070	2	
09806	14 x 1 x 5	AA46-JV40	1,800	2	
62172	14 x 1-1/2 x 5	AA46-GV40P	1,800	1	
09804	14 x 1-1/2 x 5	AA46-IV40	1,800	1	
09803	14 x 1-1/2 x 5	AA46-JV40	1,800	1	
Type 5 - For Surface Grinders - For Medium-to-Grind Steels					
09798	7 x 1 x 1-1/4 Recess 1/8 x 3/8	AA46-IV40	3,600	5	
Type 6 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09793	4 x 2 x .787 (20mm) Rim 3/8, Back 3/8	AA80-JV40	5,730	5	
Type 11 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09783	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	AA60-JV40	4,585	5	
09782	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	AA60-KV40	4,585	5	
09781	6 / 4-1/2 x 2 x 1-1/4 Rim 3/8, Back 1/2	AA46-KV40	4,585	5	
Type 12 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09777	6 x 1/2 x 1-1/4 Rim 3/8, Back 5/16 J=3 K=3	AA60-JV40	4,410	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Grinding All Tool Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
27691	6 x 1/4 x 1-1/4	32AR60-KV40	4,140	10	
27692	6 x 1/2 x 1-1/4	32AR60-JV40	4,140	10	
27686	7 x 1/4 x 1-1/4	32AR46-HV40	3,600	10	
27688	7 x 1/4 x 1-1/4	32AR46-JV40	3,600	10	
27689	7 x 1/4 x 1-1/4	32AR60-IV40	3,600	10	
27311	7 x 1/4 x 1-1/4	32AR60-JV40	3,600	10	
27312	7 x 1/4 x 1-1/4	32AR60-KV40	3,600	10	
27315	7 x 1/4 x 1-1/4	32AR80-KV40	3,600	10	
62246	7 x 1/4 x 1-1/4	32AR100-JV40	3,600	10	
62249	7 x 1/4 x 1-1/4	32AR120-KV40	3,600	10	
27317	7 x 1/2 x 1-1/4	32AR46-GV40P	3,600	5	
27319	7 x 1/2 x 1-1/4	32AR46-HV40	3,600	5	
27318	7 x 1/2 x 1-1/4	32AR46-HV40P	3,600	5	
27321	7 x 1/2 x 1-1/4	32AR46-IV40	3,600	5	
27322	7 x 1/2 x 1-1/4	32AR46-JV40	3,600	5	
27323	7 x 1/2 x 1-1/4	32AR46-KV40	3,600	5	
27326	7 x 1/2 x 1-1/4	32AR60-HV40	3,600	5	
27327	7 x 1/2 x 1-1/4	32AR60-IV40	3,600	5	
27328	7 x 1/2 x 1-1/4	32AR60-JV40	3,600	5	
27329	7 x 1/2 x 1-1/4	32AR60-KV40	3,600	5	
27330	7 x 1/2 x 1-1/4	32AR80-IV40	3,600	5	
27331	7 x 1/2 x 1-1/4	32AR80-KV40	3,600	5	
27337	7 x 3/4 x 1-1/4	32AR60-KV40	3,600	5	
62264	8 x 1/4 x 1-1/4	32AR60-JV40	3,600	5	
27338	8 x 1/4 x 1-1/4	32AR60-KV40	3,600	5	
27339	8 x 1/4 x 1-1/4	32AR80-KV40	3,600	5	
27340	8 x 1/2 x 1-1/4	32AR46-GV40	3,105	5	
27342	8 x 1/2 x 1-1/4	32AR46-HV40	3,105	5	
27341	8 x 1/2 x 1-1/4	32AR46-HV40P	3,600	5	
27343	8 x 1/2 x 1-1/4	32AR46-IV40	3,105	5	
27344	8 x 1/2 x 1-1/4	32AR46-JV40	3,600	5	
27345	8 x 1/2 x 1-1/4	32AR46-KV40	3,600	5	
27347	8 x 1/2 x 1-1/4	32AR60-HV40	3,600	5	
27348	8 x 1/2 x 1-1/4	32AR60-IV40	3,600	5	

(Continued)



While we show only the most popular CARBORUNDUM ABRASIVES® items we can supply their entire range of products. See our website or inquire.

MACHINE SHOP DISCOUNT SUPPLY

TOOLROOM WHEELS

SERIES 890:
(Continued)



CarboCool high porosity wheels for heavy stock removal available. See our website or inquire.

GOLD 32AR ALUMINUM OXIDE ABRASIVE

APPLICATION:

Ideal for moderate to heavy infeed rates, rapid stock removal and precision contouring. Use V40 bond for general purpose applications or medium contact areas. Use V40P bond on wide contact areas where heat is an issue.

For Grinding All Tool Steels

Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
27349	8 x 1/2 x 1-1/4	32AR60-JV40	3,600	5	
27353	8 x 3/4 x 1-1/4	32AR46-IV40	3,105	5	
27354	8 x 3/4 x 1-1/4	32AR46-JV40	3,600	5	
27355	8 x 3/4 x 1-1/4	32AR60-IV40	3,600	5	
27356	8 x 3/4 x 1-1/4	32AR60-JV40	3,600	5	
62201	10 x 3/4 x 3	32AR60-KV40	2,485	5	
27697	10 x 1 x 3	32AR46-GV40P	2,485	5	
27359	10 x 1 x 3	32AR46-IV40	2,485	2	
27360	10 x 1 x 3	32AR60-IV40	2,485	2	
62204	10 x 1 x 3	32AR60-KV40	2,485	2	
27361	12 x 1 x 3	32AR46-HV40	2,070	2	
62216	12 x 1 x 3	32AR46-IV40	2,070	2	
27362	12 x 1 x 3	32AR60-JV40	2,070	2	
27364	12 x 1 x 3	32AR60-JV40	2,070	2	
27365	12 x 1 x 5	32AR46-IV40	2,070	2	
62221	12 x 1-1/4 x 3	32AR46-IV40	2,070	2	
27368	12 x 1-1/2 x 5	32AR46-HV40	2,070	2	
27369	12 x 1-1/2 x 5	32AR46-IV40	2,070	2	
62224	12 x 1-1/2 x 5	32AR46-JV40	2,070	2	
62226	12 x 1-1/2 x 5	32AR60-HV40	2,070	2	
62316	12 x 2 x 5	32AR46-IV40	2,070	1	
62230	14 x 1 x 5	32AR46-HV40	1,800	2	
27370	14 x 1 x 5	32AR46-JV40	1,800	2	
27371	14 x 1 x 5	32AR60-JV40	1,800	2	
27372	14 x 1-1/2 x 5	32AR46-HV40	1,800	1	
27673	14 x 1-1/2 x 5	32AR46-IV40	1,800	1	
27700	14 x 1-1/2 x 5	32AR46-JV40	1,800	1	
62240	14 x 2 x 5	32AR46-IV40	1,800	1	
62242	14 x 2 x 5	32AR60-KV40	1,800	1	

For Grinding All Tool Steels

Type 5 - For Surface Grinders

27703	7 x 1 x 1-1/4	32AR46-HV40	3,600	5	
27675	Recess 1/8 2-3/4 x 1/2	32AR46-IV40	3,600	5	
	7 x 1 x 1-1/4				
27704	Recess 1/8 2-3/4 x 1/2	32AR60-IV40	3,600	5	
	7 x 1 x 1-1/4				
27677	Recess 1/8 2-3/4 x 1/2	32AR46-IV40	3,105	5	
	8 x 1 x 1-1/4				
9927678	Recess 1/8 3-1/4 x 1/2	32AR46-JV40	3,600	5	
	8 x 1 x 1-1/4				
62277	Recess 1/8 3-1/4 x 1/2	32AR46-IV40	2,070	2	
	12 x 1-1/2 x 5				
62281	Recess 1/8 7-1/2 x 1/2	32AR60-IV40	1,800	1	
	14 x 1-1/2 x 5				
62283	Recess 1/8 8 x 1/2	32AR60-KV40	1,800	1	
	14 x 2 x 5				
	Recess 1/8 8 x 1				



Type 6 - For Tool & Cutter Grinders (Straight Cup) For Grinding all Tool Steels (con't)

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
62288	5 x 1-1/2 x 1-1/4	32AR46-KV40	4,585	5	
27705	Rim 3/8, Back 3/8	32AR60-KV40	4,585	5	
	5 x 1-1/2 x 1-1/4				
	Rim 3/8, Back 3/8				

Type 7 - For Surface Grinders - For Grinding all Tool Steels

62292	12 x 2 x 5	32AR46-HV40	2,070	1	
62294	Recess 2/S 7-1/2 x 1/2	32AR46-KV40	2,070	1	
	12 x 2 x 5				
	Recess 2/S 7-1/2 x 1/2				

For Grinding all Tool Steels

Type 11 - For Tool & Cutter Grinders (Flaring Cup)

27679	4 / 3 x 1-1/2 x 1-1/4	32AR46-KV40	5,730	5	
27680	Rim 1/4, Back 1/2	32AR60-JV40	5,730	5	
	4 / 3 x 1-1/2 x 1-1/4				
27681	Rim 1/4, Back 1/2	32AR60-KV40	5,730	5	
	4 / 3 x 1-1/2 x 1-1/4				
27682	Rim 1/4, Back 1/2	32AR46-JV40	4,585	5	
	5 / 3-3/4 x 1-3/4 x 1-1/4				
27684	Rim 1/4, Back 1/2	32AR46-KV40	4,585	5	
	5 / 3-3/4 x 1-3/4 x 1-1/4				
27685	Rim 1/4, Back 1/2	32AR60-JV40	4,585	5	
	5 / 3-3/4 x 1-3/4 x 1-1/4				
27683	Rim 1/4, Back 1/2	32AR60-KV40	4,585	5	
	5 / 3-3/4 x 1-3/4 x 1-1/4				
62301	Rim 1/4, Back 1/2	32AR46-IV40	3,820	5	
	6 / 4-1/2 x 2 x 1-1/4				
	Rim 3/8, Back 1/2				

For Grinding All Tool Steels

Type 12 - For Tool & Cutter Grinders (Dish)

27707	6 x 1/2 x 1-1/4	32AR60-JV40	4,410	5	
62303	Rim 3/8, Back 5/16 J=3 K=3	32AR54-JV40	2,485	2	
	10 x 1 x 1-1/4				
	Rim 2, Back 11/16 J=6-1/4 K=3-5/8				



While we show only the most popular **CARBORUNDUM ABRASIVES®** items we can supply their entire range of products. See our website or inquire.

(Continued)



TOOLROOM WHEELS
SERIES 890: (Continued)



MEDALIST CERAMIC ALUMINA ABRASIVE

Application

The best choice for grinding various 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 bond on wide contact areas where heat is an issue.

Key Operating Tips for Maximizing Grinding Performance with Medalist Wheels

Change one parameter at a time.

- Increase infeed 50%
- Increase traverse rate 25%
- Reduce dressing infeed 25%



CarboCool high porosity wheels for heavy stock removal available. See our website or inquire.

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
For Difficult-to-Grind Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
62350	6 x 1/4 x 1-1/4	80-KVL	4,140	10	
62351	7 x 1/4 x 1-1/4	46-JVL	3,600	10	
27241	7 x 1/4 x 1-1/4	60-IVL	3,600	10	
27242	7 x 1/4 x 1-1/4	60-JVL	3,600	10	
27243	7 x 1/4 x 1-1/4	60-KVL	3,600	10	
27244	7 x 1/4 x 1-1/4	80-JVL	3,600	10	
27245	7 x 1/4 x 1-1/4	80-KVL	3,600	10	
27247	7 x 1/4 x 1-1/4	100-KVL	3,600	10	
27248	7 x 1/2 x 1-1/4	46-GVLP	3,600	5	
27250	7 x 1/2 x 1-1/4	46-IVL	3,600	5	
27249	7 x 1/2 x 1-1/4	46-IVLP	3,600	5	
27251	7 x 1/2 x 1-1/4	46-JVL	3,600	5	
27252	7 x 1/2 x 1-1/4	46-KVL	3,600	5	
27255	7 x 1/2 x 1-1/4	60-IVL	3,600	5	
27256	7 x 1/2 x 1-1/4	60-JVL	3,600	5	
27257	7 x 1/2 x 1-1/4	60-KVL	3,600	5	
27260	7 x 1/2 x 1-1/4	80-JVL	3,600	5	
27261	7 x 1/2 x 1-1/4	80-KVL	3,600	5	
27262	7 x 3/4 x 1-1/4	46-KVL	3,600	5	
27264	7 x 1 x 1-1/4	46-JVL	3,600	5	
9927267	8 x 1/2 x 1-1/4	46-GVLP	3,105	5	
27268	8 x 1/2 x 1-1/4	46-IVL	3,105	5	
27269	8 x 1/2 x 1-1/4	46-JVL	3,600	5	
27270	8 x 1/2 x 1-1/4	46-KVL	3,600	5	
27271	8 x 1/2 x 1-1/4	60-IVL	3,600	5	
27272	8 x 1/2 x 1-1/4	60-JVL	3,600	5	
27273	8 x 1/2 x 1-1/4	60-KVL	3,600	5	
27274	8 x 3/4 x 1-1/4	46-IVL	3,105	5	
27275	8 x 3/4 x 1-1/4	46-JVL	3,600	5	
27276	8 x 3/4 x 1-1/4	46-KVL	3,600	5	
27277	8 x 3/4 x 1-1/4	60-JVL	3,600	5	
27279	10 x 1 x 3	46-IVL	2,485	1	
27280	10 x 1 x 3	46-JVL	2,485	1	
27282	10 x 1 x 3	60-JVL	2,485	1	
27283	12 x 1 x 3	46-IVL	2,070	1	
27284	12 x 1 x 3	46-JVL	2,070	1	
27287	12 x 1 x 5	46-JVL	2,070	1	
27290	12 x 1 x 5	60-JVL	2,070	1	
62337	12 x 1-1/2 x 5	60-GVLP	2,070	1	
27292	14 x 1 x 5	46-JVL	1,800	1	
27293	14 x 1 x 5	60-JVL	1,800	1	
27294	14 x 1-1/2 x 5	46-GVLP	1,800	1	
27295	14 x 1-1/2 x 5	46-IVL	1,800	1	
27296	14 x 1-1/2 x 5	46-JVL	1,800	1	
62346	14 x 1-1/2 x 5	60-IVL	1,800	1	
27298	14 x 1-1/2 x 5	60-JVL	1,800	1	
62348	14 x 2 x 5	46-JVL	1,800	1	
62349	14 x 2 x 5	60-JVL	1,800	1	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Difficult-to-Grind Steels					
Type 5 - For Surface Grinders					
27300	7 x 1 x 1-1/4 Recess 1/5 2-3/4 x 1/2	46-JVL	3,600	5	
27301	7 x 1 x 1-1/4 Recess 1/5 2-3/4 x 1/2	60-JVL	3,600	5	
62370	7 x 1 x 1-1/4 Recess 1/5 3 x 1/2	60-KVL	3,600	5	
62366	12 x 1-1/2 x 5 Recess 1/5 7-1/2 x 1/2	46-GVLP	2,070	2	
62367	14 x 1-1/2 x 5 Recess 1/5 8 x 1/2	46-JVL	1,800	1	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 11 - For Tool & Cutter Grinders (Flaring Cup)					
27302	4 / 3 x 1-1/2 x 1-1/4 Rim 1/4, Back 1/2	46-JVL	5,730	5	
27303	4 / 3 x 1-1/2 x 1-1/4 Rim 1/4, Back 1/2	60-JVL	5,730	5	
27305	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	46-JVL	5,730	5	
27306	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	60-KVL	4,585	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 12 - For Tool & Cutter Grinders (Dish)					
27308	6 x 1/2 x 1-1/4 Rim 3/8, Back 5/16 J=3 K=3	46-JVL	4,140	5	
62380	8 x 1-9/16 x 1-1/4 Rim 7/16, Back 25/32 J=3 K=3	46-JVL	3,105	5	

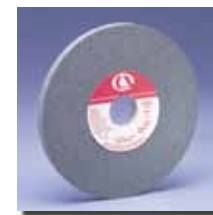
TOOLROOM WHEELS
SERIES 890:



GC SILICON CARBIDE ABRASIVE

Application

GC abrasive is used for grinding hard cemented carbide tooling.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Carbide					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
09585	6 x 1/2 x 1-1/4	GC80-IVGC	4,140	5	
09582	6 x 1/2 x 1-1/4	GC120-IVGC	4,140	5	
09581	6 x 3/4 x 1-1/4	GC60-IVGC	4,140	5	
09580	6 x 3/4 x 1-1/4	GC80-IVGC	4,140	5	
09578	6 x 3/4 x 1-1/4	GC120-IVGC	4,140	5	
09576	7 x 1/2 x 1-1/4	GC60-IVGC	3,600	5	
09575	7 x 1/2 x 1-1/4	GC80-IVGC	3,600	5	
09572	8 x 1/2 x 1-1/4	GC60-IVGC	3,600	5	
62395	8 x 1/2 x 1-1/4	GC100-IVGC	3,600	5	
09570	8 x 3/4 x 1-1/4	GC60-IVGC	3,600	5	
62397	8 x 1 x 1-1/4	GC60-JVGC	3,600	5	
62398	8 x 1 x 1-1/4	GC80-IVGC	3,600	5	
62386	14 x 1 x 5	GC60-IVGC	1,800	2	

ABRASIVES



BENCH GRINDING WHEELS



BENCH AND PEDESTAL WHEELS

SERIES 902:



Packaging for Straight Wheels:
Up to 3/4" width - 10 pcs. per carton
3/4" width and over - 5 pcs. per carton
All 12" Diameter - 2 pcs. per carton

Where "hole size" is not specified, each wheel is supplied with a "telescoping" bushing that cover a range of hole sizes from 1/2" to 1" (to 1-1/4" for 10" and 12" wheels).

GENERAL PURPOSE ALUMINUM OXIDE BENCH GRINDING WHEELS

SERIES 185:



Wheel Size	Grit/Hard	Order No.	Price	Wheel Size	Grit/Hard	Order No.	Price
6 x 1/2	24Q	1396320		7 x 1	46Q	1397642	
6 x 1/2	36Q	1396321		7 x 1	60N	1397643	
6 x 1/2	46Q	1396322		7 x 1	80N	1397644	
6 x 1/2	60N	1396323		8 x 1	24Q	1398640	
6 x 1/2	80N	1396324		8 x 1	36Q	1398641	
6 x 3/4	24Q	1396480		8 x 1	46Q	1398642	
6 x 3/4	36Q	1396481		8 x 1	60N	1398643	
6 x 3/4	46Q	1396482		8 x 1	80N	1398644	
6 x 3/4	60N	1396483		10 x 1	24Q	1390640	
6 x 3/4	80N	1396484		10 x 1	36Q	1390641	
6 x 1	24Q	1396640		10 x 1	46Q	1390642	
6 x 1	36Q	1396641		10 x 1	60N	1390643	
6 x 1	46Q	1396642		10 x 1	80N	1390644	
6 x 1	60N	1396643		12 x 2	24Q	1852000	
6 x 1	80N	1396644		12 x 2	36Q	1852001	
7 x 1	24Q	1397640		12 x 2	46Q	1852002	
7 x 1	36Q	1397641		12 x 2	60P	1852003	

GENERAL PURPOSE SILICON CARBIDE BENCH GRINDING WHEELS

SERIES 186:

Hardness: I



Wheel Size	Grit	Order No.	Price	Wheel Size	Grit	Order No.	Price
6 x 1/2	60	1406323		7 x 1/2*	80	1407324	
6 x 1/2	80	1406324		7 x 1/2*	100	1407325	
6 x 1/2	100	1406325		7 x 3/4	60	1407483	
6 x 3/4	60	1406483		7 x 3/4	80	1407484	
6 x 3/4	80	1406484		7 x 3/4	100	1407485	
6 x 3/4	100	1406485		7 x 1	60	1407643	
6 x 1	60	1406643		7 x 1	80	1407644	
6 x 1	80	1406644		7 x 1	100	1407645	
6 x 1	100	1406645		8 x 1	60	1408643	
7 x 1/2*	60	1407323		8 x 1	80	1408644	
				8 x 1	100	1408645	

*1-1/4 Hole Diameter for surface grinding.

ALUMINUM OXIDE ABRASIVE

Application: Ideal for removing burrs on steel parts, as well as sharpening high speed steel cutting tools.

Note: Bushings included.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Metal/Steel					
Type 1 - For Bench and Pedestal Grinders					
09978	6 x 1/2 x 1	60-M	4,140	5	
09976	6 x 3/4 x 1	36-M	4,140	5	
09975	6 x 3/4 x 1	60-M	4,140	5	
09974	6 x 3/4 x 1	100-K	4,140	5	
09973	6 x 1 x 1	36-M	4,140	5	
09972	6 x 1 x 1	60-M	4,140	5	
09971	6 x 1 x 1	100-K	4,140	5	
09966	7 x 1 x 1	36-M	3,600	5	
09965	7 x 1 x 1	60-M	3,600	5	
09964	7 x 1 x 1	100-K	3,600	5	
09962	8 x 3/4 x 1	36-M	3,600	5	
09961	8 x 3/4 x 1	60-M	3,600	5	
09960	8 x 1 x 1	24-P	3,600	5	
09959	8 x 1 x 1	36-M	3,600	5	
09956	8 x 1 x 1	60-M	3,600	5	
09955	10 x 1 x 1-1/4	24-P	2,485	2	
09953	10 x 1 x 1-1/4	36-M	2,485	2	
09952	10 x 1 x 1-1/4	60-M	2,485	2	
09950	10 x 1-1/4 x 1-1/4	36-M	2,485	2	
09948	10 x 1-1/2 x 1-1/4	24-P	2,485	2	
09947	10 x 1-1/2 x 1-1/4	36-M	2,485	2	
09941	12 x 1-1/2 x 1-1/2	36-M	2,070	2	
09939	12 x 2 x 1-1/2	24-P	2,070	1	
09938	12 x 2 x 1-1/2	36-M	2,070	1	
09937	12 x 2 x 1-1/2	60-M	2,070	1	
09935	14 x 2 x 1-1/2	24-P	1,800	1	
09934	14 x 2 x 1-1/2	36-M	1,800	1	

SILICON CARBIDE ABRASIVE

Application: Ideal for sharpening carbide-tipped cutting tools.

Note: Bushings included.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Carbide/Nonferrous Metals					
Type 1 - For Bench and Pedestal Grinders					
09929	6 x 3/4 x 1	60-I	4,140	5	
09928	6 x 3/4 x 1	80-I	4,140	5	
09927	6 x 3/4 x 1	120-I	4,140	5	
09926	6 x 1 x 1	60-I	4,140	5	
09925	6 x 1 x 1	80-I	4,140	5	
09924	6 x 1 x 1	120-I	4,140	5	
09922	7 x 1 x 1	80-I	3,600	5	
09920	7 x 1 x 1	120-I	3,600	5	
09916	8 x 1 x 1	60-I	3,600	5	
09915	8 x 1 x 1	80-I	3,600	5	
09914	8 x 1 x 1	120-I	3,600	5	
09913	10 x 1 x 1-1/4	60-I	2,485	2	
09912	10 x 1 x 1-1/4	80-I	2,485	2	
09911	10 x 1 x 1-1/4	120-I	2,485	2	