

June 2003



CGW

CAMEL GRINDING WHEELS, USA

**Abrasive Products for Manufacturing,
Welding, Fabricating and Construction**

- Flap Discs
- Resin Fiber Discs
- Flap Wheels
- Semiflex Sanding Discs
- Type 1 & Type 27 Cutoff Wheels
- Type 27 Depressed Center Wheels
- Bench Wheels and More!



New

**Contaminate Free
No Iron, Sulfur, or Chlorine**

Analysis of Typical Wheel Specifications



**MAXIMUM
OPERATING
SPEED**



CGW Abrasive Types

A – Dark Aluminum Oxide: The most common of all grains. This grain is used for heavy-duty general purpose work.

WA – White Aluminum Oxide: The high friability of this grain gives it the characteristic of fast and cool cutting used for light grinding of steels of all kinds, particularly on tool and stainless steel.

GC – Green Silicon Carbide: More friable than C and therefore recommended for grinding cemented carbide cutting tools.

ZA – Zirconia Aluminum Oxide: An improvement on Resin bonded wheels over basic aluminum oxide grain. Zirconia grain is sharper and the grain particle fractures thus cutting faster and lasting longer

Grain Size

Coarse: 8, 10, 12, 14, 16, 20, 24

Med: 30, 36, 46, 54, 60

Fine: 80, 100, 120, 150, 180

Very Fine: 220, 240, 280, 320, 400, 600

Grade

Soft: B, D, E, F, G, H

Med: I, J, K, L, M, N, O, P

Hard: Q, R, S, T, U, V, W, X

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New Products For 2003

- Flap Discs
 - 4-1/2" Z3 Ultimate Flap Discs – New Development
 - 4-1/2" Z3 Corner Disc Flap Discs – New Development
 - 3/8" Hub on 4" Flap Discs
 - 6" Z3 Flap Discs
 - 4-1/2" Z3 Aluminum Backed Flap Discs
 - Silicon Carbide Flap Discs
 - 2-3" Mini Type S Flap Discs
- Silicon Carbide Resin Fibre Discs
- Unmounted Flap Wheels
- Expanded Quickie Cut™ Cut-Off Wheels
- Contaminate Free Quickie Cut™ Cut-Off Wheels
- 3/32 (.094) T1 & T27 Cut-Off Wheels
- Contaminate Free Depressed Center Wheels – 1/8", 1/4"
- 20" Zirconia Cut-Off Blade
- 14" Zirconia & 14" "Mr. Stud" Chop Saw Blade
- 14" Metal /Ductile Triple Reinforced High Speed Blade
- 12-14" Metal Decking & Cable High Speed Blades (14" Triple Reinforced)

USA Made Flap Discs

CGW offers the most extensive line of flap discs in the marketplace. CGW flap discs blend and finish in one operation which replaces the traditional two-step grinding process of T27 grinding wheels and sanding discs. You will also enjoy a more consistent surface finish.

CGW flap discs will reduce your processing time, increase your productivity and thus lower your part finishing costs providing an overall cost savings.

The layered abrasive cloth flaps wear evenly, constantly exposing new, sharp grain. This, coupled with a full program of fully consumable, non-contaminating and non-abrasive fiberglass backing, allows for full use of all the coated abrasive material. We also offer a limited program of aluminum backings for rigid support for maximum aggression.



CGW Program Features

- Coated Abrasive Material Advantages

Bonding System: The superior resin bond, developed especially for flap disc applications, withstands the high temperature that develops when using coated abrasives at the speed of a flap disc in action – 16,000 SFPM (Surface feet per minute). This feature provides longer grain retention and leads to better stock removal and longer life.

Backing System: The X-weight water resistant polyester-cloth (A3, Z-Stainless) or poly-cotton (Z3) backing provides low stretch and great strength and is tougher than the regular cotton cloths prevalent in most zirconia flap discs. This feature leads to longer grain retention.

Multiple Materials: This allows you to choose the product that best meets your price-performance requirements for the job at hand.

- Diameter: 2"-7".
- Grits: 24-120.
- Design Type (Shape): Type-27 and Type-29 (see page 5)
- Available in 2 densities: Regular and XL.
The XL has approximately 60% more material than the regular.



Regular



XL

Flap discs are used for...

- Rough grinding and finishing in one step. Replaces the combined work of grinding wheels and fiber discs.
- Intermediate & finishing of welds
- Suitable for all ferrous & non-ferrous materials
- Deburring, deflashing, rust removal & snagging
- Excellent for surface finishing, blending and stock removal
- Cleaning and finishing

CGW USA Made Flap Disc Advantages vs. Grinding Wheel

- Rapid stock removal while providing long life, a smooth finish, no gouging.
- Cooler action, reduces glazing and loading with self sharpening flaps. Less re-work.
- Easier to control, provides better quality and consistency of surface finish without discoloration.
- Lightweight design reduces operator fatigue. The layering of material provides a cushioning effect, which reduces noise and vibration.

CGW USA Made Flap Disc Advantages vs. Resin Fibre Discs

- Longer life. CGW flap disc gives up to 30 times more life - offering a considerable savings on set-up time and money.
- Overall increase in worker productivity through less down-time.
- Self sharpening flaps provide a more consistent finish.
- Easier to store - no problems with humidity.
- No back-up pad required. Reinforced phenolic fiberglass backing wears away with the flaps. No marring, unlike plastic or aluminum backings.

Against resin fibre discs, always use one grit coarser (except 36, use the same).

Tip - Ask customer what resin fibre disc they use and recommend one grit coarser.

CGW Flap Discs are DSA approved and operate safely at 80 M/S (16,000 sfpm).

What Type (Shape) Of CGW Flap Disc To Use



Smooth Finishing

T-27/Flat - Used when working on flat grinding surfaces. Most efficient when used between 0-15° angle. The best choice for smooth finishing.



Most Aggressive

T-29/Conical - Built in angle for grinding, flaps are angled at 10 degrees. This angle is excellent for contour and edge work. It also provides greater surface contact and is more aggressive. Best at more dramatic angle of 15-25°.

Flap Disc Application And Best Grit Size To Use

Right Angle Grinder/Sander

24 - 40 grit	Non-ferrous metals, woods, and plastics.
60 grit	Alloyed steels, stainless steels, and tempered steels.
80 grit	High temperature alloys, stainless and heat treated steel. High tensile non-ferrous metals.
120 grit	Fine finish of all materials.



Flap Disc Performance Comparatives

Flap Disc Specimens

- Disc #1: CGW A3 Material 7"x7/8" – 40 Grit (A/O material), Type-29, Regular Density
 Disc #2: CGW Z3 Material 7"x7/8" – 40 Grit (A/Z material), Type-29, Regular Density
 Disc #3: CGW Z-Stainless Material 7"x7/8" – 40 Grit (A/Z material), Type-29, Regular Density
 Disc #4: Competitor's Material 7"x7/8" – 40 Grit (A/Z material), Type-29, Regular Density

Power Tool Source

Bosch GWS 20-80, 2KW, 8,500 RPM Right Angle Grinder

Test Parameters

- Engagement load of power tool: 11 lbs. vertical force
 Angle of disc contact: 10 degrees (disc automatically changes its tilt, left to right, 5 times/minute)
 Rotation and speed of material: Clockwise @ 21 RPM
 Measurement criteria: Each disc was tested for six 5-minute grinding cycles, totalling 30 minutes. After each 5-minute cycle the disc and material was weighed to determine weight loss during cycle.

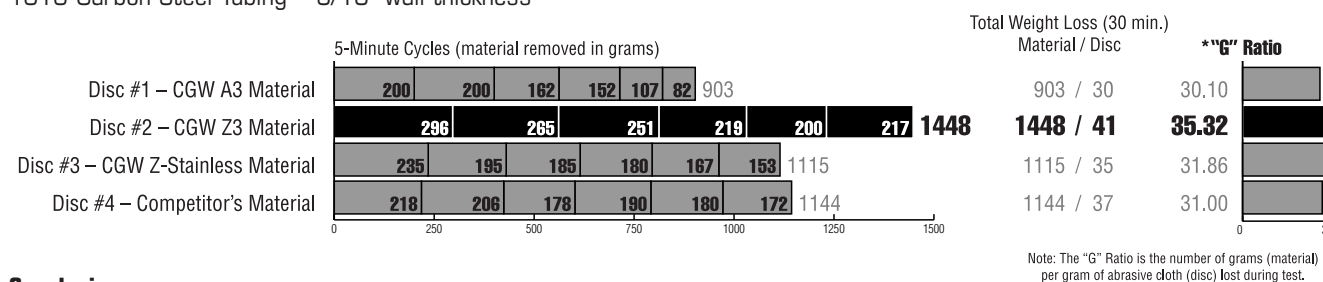
"G" Ratio

The "G" Ratio is the number of grams removed (material) per gram of abrasive cloth (disc) lost during test.

Carbon Steel Test

Test Material

1010 Carbon Steel Tubing – 5/16" wall thickness



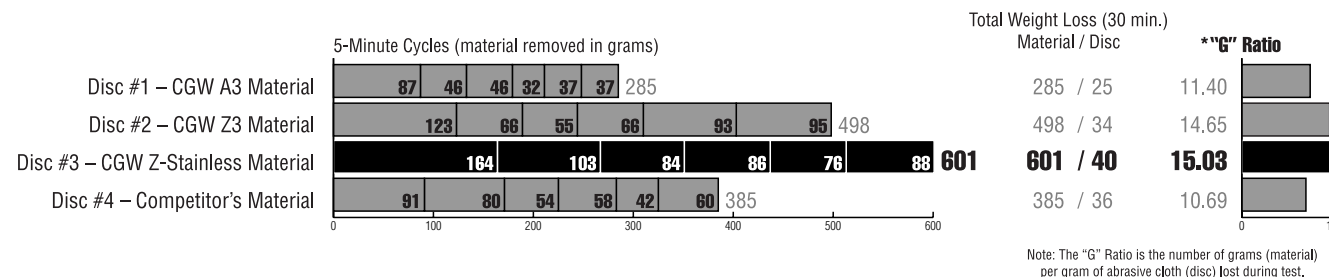
Conclusion

The stock removal rates coupled with the cost of labor gives the disc made with the CGW Z3 material a decisive advantage on carbon steel. The golden rule will always be how much work has gotten out the door at the end of the day - given a 26.6% stock removal advantage and superior "G" ratio (+13.9%) versus competitor's material, the CGW Z3 flap disc makes for an excellent choice for carbon steel applications.

Stainless Steel Test

Test Material

316 Stainless Steel Tubing – 3/16" wall thickness



Conclusion

Flap discs were initially designed for stainless steel applications. The CGW Z-Stainless material has a grinding aid that reduces heat and lubricates the grain during operation, both prominent factors in the success of this disc's performance. Boasting a significant stock removal (+56.1%) and "G" ratio (+40.6%) advantage versus competitor's material, the CGW Z-Stainless flap disc is the logical choice for stainless steel applications.

Ask about our private label program.

USA Made Flap Discs

Z3 Ultimate - Advanced Aggressive Zirconia Abrasive

Description and Applications

- Extra wide material width for extra long life. This creates extra spacing to allow zirconia to break down.
- Special design flap structure provides cushion-like impact, thus making stock removal easier to control and offering best finishing results.
- 30% longer life than regular density flap discs.
- Premium 100% Zirconia Alumina grain with a poly/cotton heat treated backing.



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Z3 Ultimate

New Development

SIZE	GRIT	RPM	CARTON QTY	T27 UPC#	T29 UPC#
4 1/2 x 7/8	36	13,300	10	54001	54021
4 1/2 x 7/8	40	13,300	10	54002	54022
4 1/2 x 7/8	60	13,300	10	54004	54024
4 1/2 x 7/8	80	13,300	10	54005	54025
4 1/2 x 5/8-11	36	13,300	10	54011	54031
4 1/2 x 5/8-11	40	13,300	10	54012	54032
4 1/2 x 5/8-11	60	13,300	10	54014	54034
4 1/2 x 5/8-11	80	13,300	10	54015	54035

USA Made Flap Discs

Z3 Corner Disc - Advanced Aggressive Zirconia Abrasive

Description and Applications

- Unique design for difficult-to-reach welds in corners or angles.
- Extra overlapping of flaps allow easy access to concave contours and tight places.
- After overlap is worn down the flap disc can be used as a traditional flap disc.
- Premium 100% Zirconia Alumina material with a poly/cotton heat treated backing.



Increased flap overhang



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Z3 Corner Disc

New Development

SIZE	GRIT	RPM	CARTON QTY	T29 UPC#
4 1/2 x 7/8	40	13,300	10	55002
4 1/2 x 7/8	60	13,300	10	55004
4 1/2 x 7/8	80	13,300	10	55005
4 1/2 x 5/8-11	40	13,300	10	55012
4 1/2 x 5/8-11	60	13,300	10	55014
4 1/2 x 5/8-11	80	13,300	10	55015

USA Made Flap Discs

Premium Z3 - Advanced Aggressive Zirconia Abrasive

Description and Applications

- Premium 100% Zirconia Alumina grain with a Poly/cotton heat treated backing. Recommended for aggressive use and heavy duty applications.
- Special optimized resin bond offers maximum cutting capacity, strong edge stability and long life.
- Active grinding agent provides cool cutting with light pressure – excellent on stainless steel.
- Provides fastest grain removal on the market for carbon based steels while also offering excellent life.



#1 Performer on Carbon
#2 Performer on Stainless



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Premium Z3

SIZE	GRIT	RPM	CARTON QTY	Thickness REGULAR		Thickness XL	
				T27 UPC#	T29 UPC#	T27 UPC#	T29 UPC#
4 x 5/8	36	15,300	10	42102	42121	SM	42131
4 x 5/8	40	15,300	10	42103	42122	42142	42132
4 x 5/8	60	15,300	10	42104	42124	42144	42134
4 x 5/8	80	15,300	10	42105	42125	42145	42135
4 x 5/8	120	15,300	10	42106	SM	42146	SM
4 x 3/8-24	36	15,300	10	42111	42131	SM	SM
4 x 3/8-24	40	15,300	10	42112	42132	42152	SM
4 x 3/8-24	60	15,300	10	42114	42134	42154	SM
4 x 3/8-24	80	15,300	10	42115	42135	42155	SM
4 x 3/8-24	120	15,300	10	42116	SM	42156	SM
4 1/2 x 7/8	24	13,300	10	42300	SM	SM	SM
4 1/2 x 7/8	36	13,300	10	42301	42321	42341	42361
4 1/2 x 7/8	40	13,300	10	42302	42322	42342	42362
4 1/2 x 7/8	60	13,300	10	42304	42324	42344	42364
4 1/2 x 7/8	80	13,300	10	42305	42325	42345	42365
4 1/2 x 7/8	120	13,300	10	42306	42326	42346	42366
4 1/2 x 5/8-11	24	13,300	10	42310	SM	SM	SM
4 1/2 x 5/8-11	36	13,300	10	42311	42331	42351	42371
4 1/2 x 5/8-11	40	13,300	10	42312	42332	42352	42372
4 1/2 x 5/8-11	60	13,300	10	42314	42334	42354	42374
4 1/2 x 5/8-11	80	13,300	10	42315	42335	42355	42375
4 1/2 x 5/8-11	120	13,300	10	42316	42336	42356	42376
5 x 7/8	36	12,200	10	42501	42521	42541	42561
5 x 7/8	40	12,200	10	42502	42522	42542	42562
5 x 7/8	60	12,200	10	42504	42524	42544	42564
5 x 7/8	80	12,200	10	42505	42525	42545	42565
5 x 7/8	120	12,200	10	42506	42526		
5 x 5/8-11	36	12,200	10	42511	42531	42551	42571
5 x 5/8-11	40	12,200	10	42512	42532	42552	42572
5 x 5/8-11	60	12,200	10	42514	42534	42554	42574
5 x 5/8-11	80	12,200	10	42515	42535	42555	42575

SM: Size/specification available as special make wheel.
100 piece minimum order.

XL Requires high output angle
grinders for best results.

**New
Hub
Style**

Premium Z3 (cont.)

SIZE	GRIT	RPM	CARTON QTY	Thickness REGULAR		Thickness XL	
				T27 UPC#	T29 UPC#	T27 UPC#	T29 UPC#
6 x 7/8	36	10,200	10	53001	53021	53041	53061
6 x 7/8	40	10,200	10	53002	53022	53042	53062
6 x 7/8	60	10,200	10	53004	53024	53044	53064
6 x 7/8	80	10,200	10	53005	53025	53045	53065
6 x 5/8-11	36	10,200	10	53011	53031	53051	53071
6 x 5/8-11	40	10,200	10	53012	53032	53052	53072
6 x 5/8-11	60	10,200	10	53014	53034	53054	53074
6 x 5/8-11	80	10,200	10	53015	53035	53055	53075
7 x 7/8	24	8,600	10	42700	SM		
7 x 7/8	36	8,600	10	42701	42721	SM	SM
7 x 7/8	40	8,600	10	42702	42722	42742	42762
7 x 7/8	60	8,600	10	42704	42724	42744	42764
7 x 7/8	80	8,600	10	42705	42725	42745	42765
7 x 7/8	120	8,600	10	42706	42726		
7 x 5/8-11	24	8,600	10	42710	SM		
7 x 5/8-11	36	8,600	10	42711	42731	SM	SM
7 x 5/8-11	40	8,600	10	42712	42732	42752	42772
7 x 5/8-11	60	8,600	10	42714	42734	42754	42774
7 x 5/8-11	80	8,600	10	42715	42735	42755	42775
7 x 5/8-11	120	8,600	10	42716	42736	SM	SM

SM: Size/specification available as special make wheel.
100 piece minimum order.

XL Requires high output angle grinders for best results.

USA Made Flap Discs Z3 ALU - Aluminum Backed T29

Description and Applications

- Aluminum backing plate provides rigid support and maximum aggression.
- Premium 100% Zirconia Alumina material with a poly/cotton heat treated backing.



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%



Z3 ALU

SIZE	GRIT	RPM	CARTON QTY	Thickness REGULAR		Thickness XL	
				T29 UPC#		T29 UPC#	
4 1/2 x 7/8	36	13,300	10	52321		52361	
4 1/2 x 7/8	40	13,300	10	52322		52362	
4 1/2 x 7/8	60	13,300	10	52324		52364	
4 1/2 x 7/8	80	13,300	10	52325		52365	
4 1/2 x 5/8-11	36	13,300	10	52331		52371	
4 1/2 x 5/8-11	40	13,300	10	52332		52372	
4 1/2 x 5/8-11	60	13,300	10	52334		52374	
4 1/2 x 5/8-11	80	13,300	10	52335		52375	

USA Made Flap Discs

Premium Z-Stainless

Description and Applications

- Premium blend of Zirconia and Aluminum Oxide grain with a heat treated Polyester backing and active grinding aid.
- The third layer of resin "grinding aid" contains active grinding agents to lubricate the grain. This allows the Zirconia to break down with light pressure excels in heat sensitive applications and all but eliminates heat generation.
- Best flap disc on the market for stainless steel applications, but also excels on carbon based metals.



#1 Performer on Stainless
#2 Performer on Carbon



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Premium Z-Stainless

SIZE	GRIT	RPM	CARTON QTY	Thickness REGULAR		Thickness XL	
				T27 UPC#	T29 UPC#	T27 UPC#	T29 UPC#
4 1/2 x 7/8	36	13,300	10	31011	SM	SM	SM
4 1/2 x 7/8	40	13,300	10	31012	31052	31092	31132
4 1/2 x 7/8	60	13,300	10	31014	31054	31094	31134
4 1/2 x 7/8	80	13,300	10	31015	31055	31095	31135
4 1/2 x 5/8-11	36	13,300	10	31171	SM	SM	SM
4 1/2 x 5/8-11	40	13,300	10	31172	31202	31232	31262
4 1/2 x 5/8-11	60	13,300	10	31174	31204	31234	31264
4 1/2 x 5/8-11	80	13,300	10	31175	31205	31235	31265
5 x 7/8	40	12,200	10	31022	31062	31102	31142
5 x 7/8	60	12,200	10	31024	31064	31104	31144
5 x 7/8	80	12,200	10	31025	31065	31105	31145
7 x 7/8	40	8,600	10	31032	31072	31112	SM
7 x 7/8	60	8,600	10	31034	31074	31114	SM
7 x 7/8	80	8,600	10	31035	31075	31115	SM
7 x 5/8-11	40	8,600	10	31182	31212	31242	SM
7 x 5/8-11	60	8,600	10	31184	31214	31244	SM
7 x 5/8-11	80	8,600	10	31185	31215	31245	SM

SM: Size/specification available as special make wheel.

100 piece minimum order.

Also Available in 4".

XL Requires high output angle grinders for best results.

USA Made Flap Discs

Premium A3 - Advanced Aggressive Abrasive

Description and Applications

- Premium Blue Fired AO grain with a Polyester heat treated backing. Recommended for universal use and provides rapid stock removal and extremely long life.
- Active grinding agent provides cool cutting.
- A3 can be used on ferrous metals (alloyed and unalloyed steels, high speed steel, cast iron), stainless steel, non-ferrous metals (aluminum, brass, copper, zinc) as well as on composites, plastics, and soft and hard woods.



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Premium A3

SIZE	GRIT	RPM	CARTON QTY	Thickness REGULAR		Thickness XL	
				T27 UPC#	T29 UPC#	T27 UPC#	T29 UPC#
4 x 5/8	40	15,300	10	39202	SM	39242	SM
4 x 5/8	60	15,300	10	39204	SM	39244	SM
4 x 5/8	80	15,300	10	39205	SM	39245	SM
4 x 3/8-24	40	15,300	10	39212	SM	39252	SM
4 x 3/8-24	60	15,300	10	39214	SM	39254	SM
4 x 3/8-24	80	15,300	10	39215	SM	39255	SM
4 1/2 x 7/8	24	13,300	10	39400	SM		
4 1/2 x 7/8	36	13,300	10	39401	39421	SM	SM
4 1/2 x 7/8	40	13,300	10	39402	39422	39442	39462
4 1/2 x 7/8	60	13,300	10	39404	39424	39444	39464
4 1/2 x 7/8	80	13,300	10	39405	39425	39445	39465
4 1/2 x 7/8	120	13,300	10	39406	SM	39446	SM
4 1/2 x 5/8-11	24	13,300	10	39410	SM		
4 1/2 x 5/8-11	36	13,300	10	39411	39431	SM	SM
4 1/2 x 5/8-11	40	13,300	10	39412	39432	39452	39472
4 1/2 x 5/8-11	60	13,300	10	39414	39434	39454	39474
4 1/2 x 5/8-11	80	13,300	10	39415	39435	39455	39475
4 1/2 x 5/8-11	120	13,300	10	39416	SM	39456	SM
5 x 7/8	40	12,200	10	SM	39602	SM	SM
5 x 7/8	60	12,200	10	SM	39604	SM	SM
5 x 7/8	80	12,200	10	SM	39605	SM	SM
7 x 7/8	40	8,600	10	39802	SM	39822	SM
7 x 7/8	60	8,600	10	39804	SM	39824	SM
7 x 7/8	80	8,600	10	39805	SM	39825	SM
7 x 5/8-11	40	8,600	10	39812	SM	39832	SM
7 x 5/8-11	60	8,600	10	39814	SM	39834	SM
7 x 5/8-11	80	8,600	10	39815	SM	39835	SM

SM: Size/specification available as special make wheel.
100 piece minimum order.

XL Requires high output angle
grinders for best results.

USA MADE FLAP DISCS

USA Made Flap Discs

SC Ultimate - Silicon Carbide Flap Discs

Description and Applications

- Extra wide material for extra long life.
- Polyester (40-180), cotton (220-600) backed product offers sharp aggressive cutting action that leaves a clean, smooth finish.
- Specialty grinding on granite, marble, stone, plastics, fiberglass, titanium and titanium alloys.
- 30% longer life than regular-density flap discs.



SC Ultimate

SIZE	GRIT	RPM	CARTON QTY	T27 UPC#
4 x 5/8	40	15,300	10	56002
4 x 5/8	60	15,300	10	56004
4 x 5/8	80	15,300	10	56005
4 x 5/8	120	15,300	10	56006
4 x 5/8	240	15,300	10	56007
4 x 5/8	320	15,300	10	56008
4 x 5/8	400	15,300	10	56009
4 x 5/8	600	15,300	10	56003
4 1/2 x 7/8	40	13,300	10	56012
4 1/2 x 7/8	60	13,300	10	56014
4 1/2 x 7/8	80	13,300	10	56015
4 1/2 x 7/8	120	13,300	10	56016
4 1/2 x 7/8	240	13,300	10	56017
4 1/2 x 7/8	320	13,300	10	56018
4 1/2 x 7/8	400	13,300	10	56019
4 1/2 x 7/8	600	13,300	10	56013

SIZE	GRIT	RPM	CARTON QTY	T27 UPC#
4 1/2 x 5/8-11	40	13,300	10	56022
4 1/2 x 5/8-11	60	13,300	10	56024
4 1/2 x 5/8-11	80	13,300	10	56025
4 1/2 x 5/8-11	120	13,300	10	56026
4 1/2 x 5/8-11	240	13,300	10	56027
4 1/2 x 5/8-11	320	13,300	10	56028
4 1/2 x 5/8-11	400	13,300	10	56029
4 1/2 x 5/8-11	600	13,300	10	56023
7 x 7/8	80	8,600	10	56035
7 x 7/8	120	8,600	10	56036
7 x 5/8-11	80	8,600	10	56185
7 x 5/8-11	120	8,600	10	56186

USA Made Flap Discs

2"-3" Mini Flap Discs - T27 Zirconia

Description and Applications

- These new flap discs combine grinding and finishing applications into one step, while providing the convenience and versatility of quick change discs. They are designed to prevent walking, allow access to tight areas and reduce heat build-up.
- Available in two industry standard fastening systems.



2"-3" Mini Flap Discs

SIZE	GRIT	RPM	THICKNESS	CARTON QTY	TYPE R UPC#	TYPE S UPC#
2" Roloc	36	24,000	Regular	10	30001	30021
2" Roloc	40	24,000	Regular	10	30002	30022
2" Roloc	60	24,000	Regular	10	30004	30024
2" Roloc	80	24,000	Regular	10	30005	30025
2" Roloc	120	24,000	Regular	10	30006	30026
3" Roloc	36	18,000	Regular	10	30011	30031
3" Roloc	40	18,000	Regular	10	30012	30032
3" Roloc	60	18,000	Regular	10	30014	30034
3" Roloc	80	18,000	Regular	10	30015	30035
3" Roloc	120	18,000	Regular	10	30016	30036



Semi-Flex Discs

Description and Applications

■ Rough Surfaces

Aluminum Oxide (A) for metal working.
Excellent on materials such as...

- Cold rolled
- Stainless steel
- Bronze
- Aluminum
- Iron

Silicon Carbide (C) for non-ferrous materials such as...

- Marble
- Quartz / Terrazzo / Concrete
- China clay
- Enamels / Porcelain
- Fiberglass
- Removing Epoxy, Glue or Urethane, Coatings, Mastiks

■ Must be used with back-up pads.



Right Angle Grinder/Sander



4 1/2 x 7/8 Semi-Flex Discs 13300 R.P.M.

UPC#	GRIT-HARDNESS	SPEC.	CARTON QTY	PART#
35830	16-B	A-16-B	25	X1151016
35831	24-B	A-24-B	25	X1151024
35832	36-B	A-36-B	25	X1151036
35833	16-B	C-16-B	25	X1157016
35834	24-B	C-24-B	25	X1157024
35835	36-B	C-36-B	25	X1157036
35836	60-B	C-60-B	25	X1157060
35837	80-B	C-80-B	25	X1157080
35838	120-B	C-120-B	25	X1157120

7 x 7/8 Semi-Flex Discs 8600 R.P.M.

UPC#	GRIT-HARDNESS	SPEC.	CARTON QTY	PART#
35839	16-B	A-16-B	25	X1751016
35840	24-B	A-24-B	25	X1751024
35841	36-B	A-36-B	25	X1751036
35842	16-B	C-16-B	25	X1757016
35843	24-B	C-24-B	25	X1757024
35844	36-B	C-36-B	25	X1757036
35845	60-B	C-60-B	25	X1757060
35846	80-B	C-80-B	25	X1757080
35847	120-B	C-120-B	25	X1757120

Back-up Pads

Description and Applications

- Rubber Back-up Pads - Spiral ribs provide contact points and form channels for air flow extending disc life 30% to 50%.
Use with coarse grits.
- Polypropylene Back-up Pads - Smooth face pads excellent for general purpose applications. Use with medium to fine grits.



Air Cooled Rubber Back-Up Pads

UPC#	SIZE/SPEC	CARTON QTY
48220	4 1/2" x 5/8-11 Medium Back-Up Pad w/Pad Nut	1
48221	5" x 5/8-11 Medium Back-Up Pad w/Pad Nut	1
48222	7" x 5/8-11 Medium Back-Up Pad w/Pad Nut	1
48239	9" x 5/8-11 Medium Back-Up Pad w/Pad Nut	1

Smooth Face Polypropylene Back-Up Pads

UPC#	SIZE/SPEC	CARTON QTY
48218	4" Back-Up Pad w/Pad Nut	1
48224	4 1/2" Back-Up Pad w/Pad Nut	1
48225	5" Back-Up Pad w/Pad Nut	1
48226	7" Back-Up Pad w/Pad Nut	1
48240	9" Back-Up Pad w/Pad Nut	1

Accessories

UPC#	SIZE/SPEC	CARTON QTY
48223	5/8-11 Pad Nut	10
48229	Adjustable Spanner Wrench	1

Resin Fibre Discs - Aluminum Oxide

Description and Applications

■ Aluminum Oxide

- A premium quality AO disc designed for long life, high stock removal and cool cutting action on metal and welds.
- The sharp, heat-treated AO grain electrostatically coated to a heavy duty vulcanized fibre backing with heat resistant phenolic resins. Fast, cool cutting performance.
- Applications include weld grinding, blending, finishing, deburring and high production work. Also for automotive, plastics, ferrous metals, paint, body fillers and fiberglass.
- 7" has depressed center which increases the amount of disc you can use and helps prevent premature curling during storage.



Right Angle Grinder/Sander



Aluminum Oxide Resin Fibre Discs

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY
48000	4 x 5/8	16 Grit	15,300	25
48001	4 x 5/8	24 Grit	15,300	25
48002	4 x 5/8	36 Grit	15,300	25
48004	4 x 5/8	50 Grit	15,300	25
48005	4 x 5/8	60 Grit	15,300	25
48006	4 x 5/8	80 Grit	15,300	25
48007	4 x 5/8	100 Grit	15,300	25
48008	4 x 5/8	120 Grit	15,300	25
48010	4 1/2 x 7/8	16 Grit	13,300	25
48011	4 1/2 x 7/8	24 Grit	13,300	25
48012	4 1/2 x 7/8	36 Grit	13,300	25
48014	4 1/2 x 7/8	50 Grit	13,300	25
48015	4 1/2 x 7/8	60 Grit	13,300	25
48016	4 1/2 x 7/8	80 Grit	13,300	25
48017	4 1/2 x 7/8	100 Grit	13,300	25
48018	4 1/2 x 7/8	120 Grit	13,300	25
48020	5 x 7/8	16 Grit	12,200	25
48021	5 x 7/8	24 Grit	12,200	25
48022	5 x 7/8	36 Grit	12,200	25
48024	5 x 7/8	50 Grit	12,200	25
48025	5 x 7/8	60 Grit	12,200	25
48026	5 x 7/8	80 Grit	12,200	25
48027	5 x 7/8	100 Grit	12,200	25
48028	5 x 7/8	120 Grit	12,200	25



Aluminum Oxide Resin Fibre Discs (cont.)

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY
48030	7 x 7/8	16 Grit	8,600	25
48031	7 x 7/8	24 Grit	8,600	25
48032	7 x 7/8	36 Grit	8,600	25
48034	7 x 7/8	50 Grit	8,600	25
48035	7 x 7/8	60 Grit	8,600	25
48036	7 x 7/8	80 Grit	8,600	25
48037	7 x 7/8	100 Grit	8,600	25
48038	7 x 7/8	120 Grit	8,600	25
48033	7 x 7/8	150 Grit	8,600	25
48039	7 x 7/8	180 Grit	8,600	25
48040	9 x 7/8	16 Grit	6,600	25
48041	9 x 7/8	24 Grit	6,600	25
48042	9 x 7/8	36 Grit	6,600	25
48044	9 x 7/8	50 Grit	6,600	25
48045	9 x 7/8	60 Grit	6,600	25
48046	9 x 7/8	80 Grit	6,600	25
48048	9 x 7/8	120 Grit	6,600	25
48049	9 x 7/8	150 Grit	6,600	25

Resin Fibre Discs - Silicon Carbide

Description and Applications

■ Silicon Carbide

- Aggressive cutting action leaves a clean, smooth finish. Excellent on titanium, fiberglass, plastics, and masonry products.



Right Angle Grinder/Sander



Silicon Carbide Resin Fibre Discs

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY
48320	5 x 7/8	SC 16 Grit	12,200	25
48321	5 x 7/8	SC 24 Grit	12,200	25
48322	5 x 7/8	SC 36 Grit	12,200	25
48330	7 x 7/8	SC 16 Grit	8,600	25
48331	7 x 7/8	SC 24 Grit	8,600	25
48332	7 x 7/8	SC 36 Grit	8,600	25
48334	7 x 7/8	SC 50 Grit	8,600	25
48335	7 x 7/8	SC 60 Grit	8,600	25
48336	7 x 7/8	SC 80 Grit	8,600	25
48338	7 x 7/8	SC 120 Grit	8,600	25

Resin Fibre Discs - Zirconia

Description and Applications

■ "High Performance" Zirconia

- High concentration of Zirconia and heat-treated Aluminum Oxide grain provides twice the cutting action of premium AO discs and is extremely heat resistant.
- The special fracturing characteristics of the Zirconia grain provide a consistent action throughout the disc's life.
- High performance on blending welds, stainless steel, inconel, titanium and tool steel.



Right Angle Grinder/Sander



Zirconia Resin Fibre Discs

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY
48230	4 x 7/8	Type Z 16 Grit	15,300	25
48231	4 x 7/8	Type Z 24 Grit	15,300	25
48232	4 x 7/8	Type Z 36 Grit	15,300	25
48234	4 x 7/8	Type Z 50 Grit	15,300	25
48235	4 x 7/8	Type Z 60 Grit	15,300	25
48236	4 x 7/8	Type Z 80 Grit	15,300	25
48100	4 1/2 x 7/8	Type Z 16 Grit	13,300	25
48101	4 1/2 x 7/8	Type Z 24 Grit	13,300	25
48102	4 1/2 x 7/8	Type Z 36 Grit	13,300	25
48104	4 1/2 x 7/8	Type Z 50 Grit	13,300	25
48105	4 1/2 x 7/8	Type Z 60 Grit	13,300	25
48106	4 1/2 x 7/8	Type Z 80 Grit	13,300	25
48110	5 x 7/8	Type Z 16 Grit	12,200	25
48111	5 x 7/8	Type Z 24 Grit	12,200	25
48112	5 x 7/8	Type Z 36 Grit	12,200	25
48114	5 x 7/8	Type Z 50 Grit	12,200	25
48115	5 x 7/8	Type Z 60 Grit	12,200	25
48116	5 x 7/8	Type Z 80 Grit	12,200	25
48120	7 x 7/8	Type Z 16 Grit	8,600	25
48121	7 x 7/8	Type Z 24 Grit	8,600	25
48122	7 x 7/8	Type Z 36 Grit	8,600	25
48124	7 x 7/8	Type Z 50 Grit	8,600	25
48125	7 x 7/8	Type Z 60 Grit	8,600	25
48126	7 x 7/8	Type Z 80 Grit	8,600	25
48127	7 x 7/8	Type Z 100 Grit	8,600	25
48141	9 x 7/8	Type Z 24 Grit	6,600	25
48142	9 x 7/8	Type Z 36 Grit	6,600	25
48144	9 x 7/8	Type Z 50 Grit	6,600	25
48145	9 x 7/8	Type Z 60 Grit	6,600	25
48146	9 x 7/8	Type Z 80 Grit	6,600	25

Resin Fibre Discs - Ceramic Blend

Description and Applications

- Ceramic - Type CFE (100% SG Grain with Grinding Aid)
 - The SG grain is extremely hard and actually self-sharpens during operation. SG is easy to work with as it breaks down with less pressure than Zirconia, without heat damage.
 - The "Supersize" grinding aid keeps the disc cool when grinding hard materials such as stainless steel, inconel, etc.

Right Angle Grinder/Sander



Ceramic Blend Resin Fibre Discs

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY
48181**	4 1/2" x 7/8"	Type CFE 24 Grit	15,300	25
48182**	4 1/2" x 7/8"	Type CFE 36 Grit	15,300	25
48184**	4 1/2" x 7/8"	Type CFE 50 Grit	15,300	25
48185**	4 1/2" x 7/8"	Type CFE 60 Grit	15,300	25
48186**	4 1/2" x 7/8"	Type CFE 80 Grit	15,300	25
48191**	5" x 7/8"	Type CFE 24 Grit	12,200	25
48192**	5" x 7/8"	Type CFE 36 Grit	12,200	25
48194**	5" x 7/8"	Type CFE 50 Grit	12,200	25
48195**	5" x 7/8"	Type CFE 60 Grit	12,200	25
48196**	5" x 7/8"	Type CFE 80 Grit	12,200	25
48201**	7" x 7/8"	Type CFE 24 Grit	8,600	25
48202**	7" x 7/8"	Type CFE 36 Grit	8,600	25
48204**	7" x 7/8"	Type CFE 50 Grit	8,600	25
48205**	7" x 7/8"	Type CFE 60 Grit	8,600	25
48206**	7" x 7/8"	Type CFE 80 Grit	8,600	25

** Non-stock product - available in one week.

Back-up Pads

Description and Applications

- Rubber Back-up Pads - Spiral ribs provide contact points and form channels for air flow extending disc life 30% to 50%. Use with coarse grits.
- Polypropylene Back-up Pads - Smooth face pads excellent for general purpose applications. Use with medium to fine grits.



Air Cooled Rubber Back-Up Pads

UPC#	SIZE/SPEC	CARTON QTY
48220	4 1/2" x 5/8"-11 Medium Back-Up Pad w/Pad Nut	1
48221	5" x 5/8"-11 Medium Back-Up Pad w/Pad Nut	1
48222	7" x 5/8"-11 Medium Back-Up Pad w/Pad Nut	1
48239	9" x 5/8"-11 Medium Back-Up Pad w/Pad Nut	1

Smooth Face Polypropylene Back-Up Pads

UPC#	SIZE/SPEC	CARTON QTY
48218	4" Back-Up Pad w/Pad Nut	1
48224	4 1/2" Back-Up Pad w/Pad Nut	1
48225	5" Back-Up Pad w/Pad Nut	1
48226	7" Back-Up Pad w/Pad Nut	1
48240	9" Back-Up Pad w/Pad Nut	1

Accessories

UPC#	SIZE/SPEC	CARTON QTY
48223	5/8"-11 Pad Nut	10
48229	Adjustable Spanner Wrench	1

Flap Wheels: 1/4" Shank

Description and Applications

- CGW offers 1/4" and 1/4"-20 shank mounted flap wheels featuring quality aluminum oxide coated abrasive material. The flaps, arranged like a fan around the shaft of the tool, provide for consistent cutting action, maximum performance and long life.
- CGW flap wheels can be used on all ferrous and non-ferrous materials, stainless steel, iron, brass, aluminum, plastic, fiberglass, wood and glass. Excellent for working in small, difficult to reach places.
- CGW flap wheels have increased flap counts.



3/4 x 3/4 x 1/4 Flap Wheels 30,000 R.P.M.

UPC#	SIZE	SPEC.
37098	3/4 x 3/4 x 1/4	A/O-60
37099	3/4 x 3/4 x 1/4	A/O-80
37100	3/4 x 3/4 x 1/4	A/O-120

1 x 1 x 1/4 Flap Wheels 30,000 R.P.M.

UPC#	SIZE	SPEC.
39907	1 x 1 x 1/4	A/O-40
39908	1 x 1 x 1/4	A/O-60
39909	1 x 1 x 1/4	A/O-80
39910	1 x 1 x 1/4	A/O-120

1 1/2 x 1/2 x 1/4 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39915	1 1/2 x 1/2 x 1/4	A/O-60
39916	1 1/2 x 1/2 x 1/4	A/O-80
39917	1 1/2 x 1/2 x 1/4	A/O-120

1 1/2 x 1 x 1/4 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39920	1 1/2 x 1 x 1/4	A/O-40
39921	1 1/2 x 1 x 1/4	A/O-60
39922	1 1/2 x 1 x 1/4	A/O-80
39923	1 1/2 x 1 x 1/4	A/O-120



2 x 1/2 x 1/4 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39925	2 x 1/2 x 1/4	A/O-60
39926	2 x 1/2 x 1/4	A/O-80
39927	2 x 1/2 x 1/4	A/O-120

2 x 1 x 1/4 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39931	2 x 1 x 1/4	A/O-40
39932	2 x 1 x 1/4	A/O-60
39933	2 x 1 x 1/4	A/O-80
39934	2 x 1 x 1/4	A/O-120

2 1/2 x 1/2 x 1/4 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
41015	2 1/2 x 1/2 x 1/4	A/O-60
41016	2 1/2 x 1/2 x 1/4	A/O-80
41017	2 1/2 x 1/2 x 1/4	A/O-120

2 1/2 x 1 x 1/4 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
39941	2 1/2 x 1 x 1/4	A/O-60
39942	2 1/2 x 1 x 1/4	A/O-80
39943	2 1/2 x 1 x 1/4	A/O-120

3 x 1/2 x 1/4 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
41018	3 x 1/2 x 1/4	A/O-60
41019	3 x 1/2 x 1/4	A/O-80
41020	3 x 1/2 x 1/4	A/O-120

3 x 1 x 1/4 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
39947	3 x 1 x 1/4	A/O-40
39948	3 x 1 x 1/4	A/O-60
39949	3 x 1 x 1/4	A/O-80
39950	3 x 1 x 1/4	A/O-120

Flap Wheels: 1/4"-20 Shank

- CGW flap wheels have increased flap counts.

1 x 1 x 1/4"-20 Flap Wheels 30,000 R.P.M.

UPC#	SIZE	SPEC.
39964	1 x 1 x 1/4"-20	A/O-40
39965	1 x 1 x 1/4"-20	A/O-60
39966	1 x 1 x 1/4"-20	A/O-80
39967	1 x 1 x 1/4"-20	A/O-120



1 1/2 x 1/2 x 1/4"-20 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39978	1 1/2 x 1 x 1/4"-20	A/O-60
39979	1 1/2 x 1 x 1/4"-20	A/O-80
39980	1 1/2 x 1 x 1/4"-20	A/O-120

2 1/2 x 1/2 x 1/4"-20 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
39998	2 1/2 x 1 x 1/4"-20	A/O-60
39999	2 1/2 x 1 x 1/4"-20	A/O-80
41000	2 1/2 x 1 x 1/4"-20	A/O-120

2 x 1 x 1/4"-20 Flap Wheels 25,000 R.P.M.

UPC#	SIZE	SPEC.
39988	2 x 1 x 1/4"-20	A/O-40
39989	2 x 1 x 1/4"-20	A/O-60
39990	2 x 1 x 1/4"-20	A/O-80
39991	2 x 1 x 1/4"-20	A/O-120

2 1/2 x 1 x 1/4"-20 Flap Wheels 20,000 R.P.M.

UPC#	SIZE	SPEC.
41005	3 x 1 x 1/4"-20	A/O-60
41006	3 x 1 x 1/4"-20	A/O-80
41007	3 x 1 x 1/4"-20	A/O-120

Flap Wheels: Unmounted

- CGW flap wheels have increased flap counts.



4 x 1 x 5/8 Flap Wheels 12,000 R.P.M.

UPC#	SIZE	SPEC.
41025	4 x 1 x 5/8	A/O-40
41026	4 x 1 x 5/8	A/O-60
41027	4 x 1 x 5/8	A/O-80
41029	4 x 1 x 5/8	A/O-120
41031	4 x 1 x 5/8	A/O-180

6 x 2 x 1 Flap Wheels 7,000 R.P.M.

UPC#	SIZE	SPEC.
41065	6 x 2 x 1	A/O-40
41066	6 x 2 x 1	A/O-60
41067	6 x 2 x 1	A/O-80
41069	6 x 2 x 1	A/O-120
41071	6 x 2 x 1	A/O-180

6 x 1 x 1 Flap Wheels 7,000 R.P.M.

UPC#	SIZE	SPEC.
41045	6 x 1 x 1	A/O-40
41046	6 x 1 x 1	A/O-60
41047	6 x 1 x 1	A/O-80
41049	6 x 1 x 1	A/O-120
41051	6 x 1 x 1	A/O-180

8 x 1 x 1 Flap Wheels 4,400 R.P.M.

UPC#	SIZE	SPEC.
41085	8 x 1 x 1	A/O-40
41086	8 x 1 x 1	A/O-60
41087	8 x 1 x 1	A/O-80
41089	8 x 1 x 1	A/O-120
41091	8 x 1 x 1	A/O-180

6 x 1 1/2 x 1 Flap Wheels 7,000 R.P.M.

UPC#	SIZE	SPEC.
41055	6 x 1 1/2 x 1	A/O-40
41056	6 x 1 1/2 x 1	A/O-60
41057	6 x 1 1/2 x 1	A/O-80
41059	6 x 1 1/2 x 1	A/O-120
41061	6 x 1 1/2 x 1	A/O-180

8 x 2 x 1 Flap Wheels 4,400 R.P.M.

UPC#	SIZE	SPEC.
41096	8 x 2 x 1	A/O-60
41097	8 x 2 x 1	A/O-80
41099	8 x 2 x 1	A/O-120
41101	8 x 2 x 1	A/O-180

Quickie Cut™ Reinforced Cut-Off Wheels – Type 1

Description and Applications

- A: Aluminum Oxide – Metal & Stainless
 - A60-TB-FLEX bond wheels are .040 thick, cut fast, last long and flex.
 - A36T .045 wheels are thicker, coarser, cut fast and offer longer life.



Type 1



B-Flex

Extra Thin Cut-Off Wheels T1 A60-TB-Flex Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
45014	4 x .04 x 5/8	A60-TB-FLEX	19,000	25	P401060T
45010	4 1/2 x .035 x 7/8	A60-TB-FLEX	13,300	25	P403060T
45011	5 x .04 x 7/8	A60-TB-FLEX	12,250	25	P507060T
45051	6 x .04 x 3/8	A60-TB-FLEX	10,200	25	P616Z60T
45050	6 x .04 x 1/2	A60-TB-FLEX	10,200	25	P606Z60T
45016	6 x .04 x 5/8	A60-TB-FLEX	10,200	25	P600060T
45012	6 x .04 x 7/8	A60-TB-FLEX	10,200	25	P607060T
45013	7 x .04 x 7/8	A60-TB-FLEX	8,500	25	P707060T

Right Angle Grinder/Sander



.045 – Rigid

Thin Cut-Off Wheels T1 .045 Wheels – A36T

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35514	4 1/2 x .045 x 7/8	A36-T-BF	13,300	25	O111060R
35516	5 x .045 x 7/8	A36-T-BF	12,250	25	O517060R
35517	6 x .045 x 7/8	A36-T-BF	10,200	25	O617060R
35518	7 x .045 x 7/8	A36-T-BF	8,500	25	O717060R

Contaminate free wheel for stainless on page 22.

Advantages of CGW Type 1 & T27 Quickie Cut™ Cut-Off Wheels

- Less resistance offers shorter cutting times.
- Less work piece waste and dust generation.
- Ability to cut carbon and stainless steels with one disc.
- Maximum cutting speed with minimal burr.
- Ease of operation, less vibration.

Quickie Cut™ Thin Reinforced Cut-Off Wheels - Type 27

Description and Applications

- ZA: Mix of Zirconia with Aluminum Oxide.
General purpose wheel. Zirconia provides faster cutting, longer life.
Good on Steel/Stainless.
- A46: Aluminum Oxide Mix – Non-loading bond.
Use on Aluminum.
 - Reinforced with premium fiberglass layers.
 - Thin .045 thickness provides extremely fast cutting with burr free results.
 - Unique bond design provides for long wheel life.



Type 27

Right Angle Grinder/Sander



T27 Thin Reinforced Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
45001	4 x .045 x $\frac{5}{8}$	ZA60-S-BF	15,300	25	Q110Z24S
45002	4 $\frac{1}{2}$ x .045 x $\frac{7}{8}$	ZA60-S-BF	13,300	25	Q116Z60S
45004	4 $\frac{1}{2}$ x .045 x $\frac{7}{8}$	A46-N-BF	13,300	25	Q116C46N
45005	5 x .045 x $\frac{7}{8}$	ZA60-S-BF	12,250	25	Q125Z60S
45007	6 x .045 x $\frac{7}{8}$	ZA60-S-BF	10,200	25	Q157Z60S
45008	7 x .045 x $\frac{7}{8}$	ZA60-S-BF	8,500	25	Q179Z60S

Contaminate free wheel for stainless on page 22.

Application Chart - Quickie Cut™ Cut-Off Wheels

SPEC.	Angle Iron – General Iron / Steel Bar	Metal Decking & Cable Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting	Cast Steel	Gray Cast Iron	Ductile Iron Pipe & Concrete	Aluminum Alloys	Copper	Brass, Bronze	Titanium
A36T	✓	✓	✓	✓	•	✓	✓				•	•	•	•
A60T	✓	✓	✓	✓	•	✓	✓				•	•	•	•
A46N-ALU									•		✓	•	•	•
WA36-T	•	•	•	•	•	✓	✓							
WA60-R	•	•	•	•	•	✓	✓							
ZA60S	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
FERROUS METALS								CASTINGS		NON-FERROUS METALS				

✓ = Recommended

• = May Be Used

Contaminate-Free T1 & T27 Thin Reinforced Cut-Off Wheels

Description and Applications

- T27-WA: White Aluminum Oxide – Stainless Steel. Made iron, sulfur or chlorine free (FE+S+Cl < 0.1%) for food grade, nuclear, stainless steel, and everyday conditions so no rust will develop.
- Breakthrough formulation, first of its kind
- WA is Contaminate Free Fe+S+Cl<0.1% No iron, sulfur, or chlorine
- No corrosion, rust
- High quality grain, more friable



CF
Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%



.045 – Rigid

Type 1

CF - Thin Cut-Off Wheels Type 1 .045 Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35515	4 1/2 x .045 x 7/8	WA36-T-BF	13,300	25	0109060R
36301	5 x .045 x 7/8	WA36-T-BF	12,250	25	0516W36T
36302	6 x .045 x 7/8	WA36-T-BF	10,200	25	0616W36T

Right Angle Grinder/Sander



New

Type 27

CF - Thin Type 27 Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
45003	4 1/2 x .045 x 7/8	WA60-R-BF	13,300	25	Q116W60R
45006	5 x .045 x 7/8	WA60-R-BF	12,250	25	Q125W60R
45017	6 x .045 x 7/8	WA60-R-BF	10,200	25	Q157W60S
45009	7 x .045 x 7/8	WA60-R-BF	8,500	25	Q179W60R

Right Angle Grinder/Sander



New

Application Chart - Contaminate Free Quickie Cut™ Cut-Off Wheels

SPEC.	Angle Iron – General Iron / Steel Bar	Metal Decking & Cable Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting
WA60-R	•	•	•	•	✓	✓	
WA36-T	•	•	•	•	✓	✓	

FERROUS METALS

- ✓ = Recommended
- = May Be Used

3/32 (.094) T1 & T27 Thin Reinforced Cut-Off Wheels

Description and Applications

- A: Aluminum Oxide – Metal & Stainless
 - 3/32" (.094) thickness for cutting/notching wheels.
 - Provides more strength than Quickie Cut™ wheels.



Type 1

Right Angle Grinder/Sander

T1-3/32" (.094) Cutting/Notching Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
45028	4 1/2 x 3/32 x 7/8	A36-S-BF	13,300	25	P116036S
45030	5 x 3/32 x 7/8	A36-S-BF	12,250	25	P127036S
45032	7 x 3/32 x 7/8	A36-S-BF	8,500	25	P181036S

Type 27

Right Angle Grinder/Sander

T27-3/32" (.094) Cutting/Notching Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
45019	4 x 3/32 x 5/8	A36-S-BF	15,300	25	Q111Z36P
45020	4 1/2 x 3/32 x 7/8	A36-S-BF	13,300	25	Q116Z36P
45021	4 1/2 x 3/32 x 5/8-11	A36-S-BF	13,300	10	Q147Z36P
45022	5 x 3/32 x 7/8	A36-S-BF	12,250	25	Q127Z36P
45023	5 x 3/32 x 5/8-11	A36-S-BF	12,250	10	Q125Z36P
45024	6 x 3/32 x 7/8	A36-S-BF	10,200	25	Q157Z36P
45025	6 x 3/32 x 5/8-11	A36-S-BF	10,200	10	Q158Z36P
45026	7 x 3/32 x 7/8	A36-S-BF	8,500	25	Q181Z36P
45027	7 x 3/32 x 5/8-11	A36-S-BF	8,500	10	Q180Z36P

Application Chart - 3/32 (.094) Cut-Off Wheels

SPEC.	Angle Iron – General	Iron / Steel Bar	Metal Decking / Sheet Metal	Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting
A36-S	✓	✓	✓	✓	✓	•			

FERROUS METALS

- ✓ = Recommended
- = May Be Used

Depressed Center Wheels T27 - 1/8"

Cutting/Notching

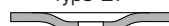
Description and Applications

- For air and electric right angle grinders.
- A24R: Aluminum Oxide, R bond. Fast cuts on steel, cast iron, and welds.
- C24R: Silicon Carbide, R bond. Cutting masonry, concrete & stone.
- *WA24S: White Aluminum Oxide, S bond. Fast cuts & long life on stainless steel, ferrous metals, and specially made for food grade and nuclear plants. Iron, sulfur and chlorine $\leq 0.1\%$. Excellent stock removal and G-ratio on carbon/stainless steel. ***WA is Contaminate Free.**
- ZA24T: Zirconia Aluminum Oxide, T bond. High performance cutting and very long life. Excellent on ferrous metals and stainless steel.



Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Type 27



Right Angle Grinder/Sander



T27 Depressed Center Wheels - 1/8" for cutting and notching

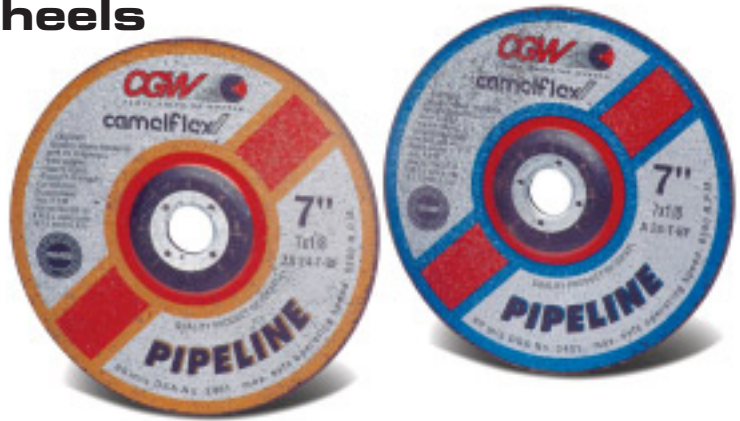
UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35671	4 x 1/8 x 3/8	A24-R-BF	15,300	25	U107024R
35609	4 x 1/8 x 5/8	A24-R-BF	15,300	25	U109024R
45043	4 x 1/8 x 3/8	ZA24-T-BF	15,300	25	U107Z24T
45044	4 x 1/8 x 5/8	ZA24-T-BF	15,300	25	U109Z24T
35612	4 1/2 x 1/8 x 7/8	A24-R-BF	13,300	25	U115024R
35613	4 1/2 x 1/8 x 5/8-11	A24-R-BF	13,300	10	U114024R
35618	4 1/2 x 1/8 x 7/8	C24-R-BF	13,300	25	U1157024
35619	4 1/2 x 1/8 x 5/8-11	C24-R-BF	13,300	10	U1147024
35616*	4 1/2 x 1/8 x 7/8	WA24-S-BF	13,300	25	U112W24R
35617*	4 1/2 x 1/8 x 5/8-11	WA24-S-BF	13,300	10	U113W24R
35614	4 1/2 x 1/8 x 7/8	ZA24-T-BF	13,300	25	U117024T
35615	4 1/2 x 1/8 x 5/8-11	ZA24-T-BF	13,300	10	U114Z24T
35675	5 x 1/8 x 7/8	A24-R-BF	12,250	25	U126024R
35676	5 x 1/8 x 5/8-11	A24-R-BF	12,250	10	U124024R
45037*	5 x 1/8 x 7/8	WA24-S-BF	12,250	25	U126W24S
45038*	5 x 1/8 x 5/8-11	WA24-S-BF	12,250	10	U124W24S
35630	6 x 1/8 x 7/8	A24-R-BF	10,200	25	U155024R
35631	6 x 1/8 x 5/8-11	A24-R-BF	10,200	10	U156024R
35634	7 x 1/8 x 7/8	A24-R-BF	8,500	25	U177024R
35635	7 x 1/8 x 5/8-11	A24-R-BF	8,500	10	U176024R
35636	7 x 1/8 x 7/8	C24-R-BF	8,500	25	U177024C
35637	7 x 1/8 x 5/8-11	C24-R-BF	8,500	10	U1767024
35638*	7 x 1/8 x 7/8	WA24-S-BF	8,500	25	U174W24R
35639*	7 x 1/8 x 5/8-11	WA24-S-BF	8,500	10	U175W24R
35648	9 x 1/8 x 7/8	A24-R-BF	6,650	25	U227024R
35649	9 x 1/8 x 5/8-11	A24-R-BF	6,650	10	U226024R
35650	9 x 1/8 x 7/8	C24-R-BF	6,650	25	U2277024
35651	9 x 1/8 x 5/8-11	C24-R-BF	6,650	10	U2267024
35652*	9 x 1/8 x 7/8	WA24-S-BF	6,650	25	U224W24R
35653*	9 x 1/8 x 5/8-11	WA24-S-BF	6,650	10	U225W24R

See application chart on page 25.

Depressed Center Wheels T27 - 1/8" Pipeline Cutting/Light Grinding

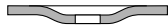
Description and Applications

- For air and electric right angle grinders.
- CGW Pipeline wheels are designed for cutting and light grinding as well as in pipeline applications such as cutting and light grinding of pipeline root pass, or weld and flame cut grinding.
- A24T: Aluminum Oxide, T bond. Fast cuts and long life on ferrous metals.
- ZA24T: Zirconia Aluminum Oxide, T bond. High performance cutting and grinding combined with extra long life. Excellent on ferrous metals and stainless steel.



Right Angle Grinder/Sander

Type 27



T27 Depressed Center Wheels – Pipeline 1/8" for cutting and notching

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35666	4 1/2 x 1/8 x 7/8	A24-T-BF Pipeline	13,300	25	U115P24R
35664	4 1/2 x 1/8 x 5/8-11	A24-T-BF Pipeline	13,300	10	U114P24R
35667	4 1/2 x 1/8 x 7/8	ZA24-T-BF Pipeline	13,300	25	U115ZP24
35665	4 1/2 x 1/8 x 5/8-11	ZA24-T-BF Pipeline	13,300	10	U114ZP24
35679	7 x 1/8 x 7/8	A24-T-BF Pipeline	8,600	25	U177P24R
35680	7 x 1/8 x 5/8-11	A24-T-BF Pipeline	8,600	10	U176P24R
35681	7 x 1/8 x 7/8	ZA24-T-BF Pipeline	8,600	25	U177ZP24
35682	7 x 1/8 x 5/8-11	ZA24-T-BF Pipeline	8,600	10	U176ZP24
35662	9 x 1/8 x 7/8	A24-T-BF Pipeline	6,600	25	U227P24R
35663	9 x 1/8 x 5/8-11	A24-T-BF Pipeline	6,600	10	U226P24R
35683	9 x 1/8 x 7/8	ZA24-T-BF Pipeline	6,600	25	U227ZP24
37670	9 x 1/8 x 5/8-11	ZA24-T-BF Pipeline	6,600	10	U226ZP24

Application Chart – 1/8" Cutting/Notching and 1/8" Pipeline

SPEC.	Angle Iron – General Iron / Steel Bar	Metal Decking & Cable Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting	Cast Steel	Gray Cast Iron	Ductile Iron Pipe & Concrete	Aluminum Alloys	Copper	Brass, Bronze	Titanium	Asphalt / Green Concrete	Concrete	Roof – Tiles	Slate	Masonry	Marble	Paving Bricks	Firing Bricks	Solid Bricks	Clay Pipe
A24R	✓	✓	•	✓	•	•	•	✓	✓															
A24T	✓	✓	✓	✓	✓	•	✓	✓			•	•	•	•										
C24R									•	•		✓	✓	✓	•	✓	✓	✓	✓	✓	✓	✓	✓	✓
WA24S	•	•		•		•	✓	✓																
ZA24T	✓	✓	✓	✓		✓	✓	✓	✓															
FERROUS METALS								CASTINGS		NON-FERROUS METALS				MASONRY										

✓ – Recommended

✓ = Recommended

• = May Be Used

Depressed Center Wheels 1/4" Grinding

Description and Applications

- T27 & T28 for air and electric grinders.
- A24N: Aluminum Oxide, N bond. Soft bond designed for fast stock removal. Excellent ratio of stock removal/wheel loss. Recommended on metal and low grade stainless.
- A24R: Aluminum Oxide, R bond. Our #1 seller, bond design offers longer life and excellent stock removal. Recommended on metal.
- A24T: Aluminum Oxide, T bond. Harder bond offers extra longer life. Recommended when edge grinding or a harder wheel is needed. Recommended on metal.
- A30N-ALU: Aluminum Oxide, N bond. Special non-loading formulation, with soft bond, for grinding on aluminum and non-ferrous metals.
- C24R: Silicon Carbide, R bond. Silicon carbide grain for grinding masonry, concrete & stone.
- *WA24S: White Aluminum Oxide, S bond. Fast stock removal and excellent G-ratio on stainless steel, ferrous metals and food grade and nuclear plants. Iron, sulfur, or chlorine < 0.1%. ***WA is Contaminate Free.**
- ZA24T: Zirconia Aluminum Oxide, T bond. High performance grinding and very long life. Zirconia cuts faster, smoother and provides longer life. Excellent on teal, cast iron and stainless steel.



CF
Contaminate Free
Iron, Sulfur, and
Chlorine < 0.1%

Application Chart - 1/4" Depressed Center Grinding Wheels

SPEC.	Angle Iron – General	Iron / Steel Bar	Metal Decking / Sheet Metal	Pipe Line	High Tensile Steel	Stainless Steel Bars	Cast Steel	Gray Cast Iron	Aluminum Alloys	Copper	Brass, Bronze	Titanium	Asphalt / Green Concrete	Concrete	Roof – Tiles	Slate	Masonry	Marble	Paving Bricks	Firing Bricks	Solid Bricks	Clay Pipe
A24N	•	✓	•		✓		✓	•														
A24R	✓	✓	✓	✓	✓		•															
A24T	✓	✓	✓	✓	•																	
A30N-ALU								•	✓	•	•	•	•	•	•	•	•	•	•	•	•	•
C24R								✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WA24S	✓	✓	✓		✓	✓																
ZA24T	✓	✓	•	•	•	✓																
	FERROUS METALS						CASTINGS		NON-FERROUS METALS				MASONRY									

✓ = Recommended

• = May Be Used

**T27 Depressed Center Wheels - 1/4" for grinding**

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35672	4 x 1/4 x 3/8	A24-R-BF	15,300	25	U110024R
45036	4 x 1/4 x 3/8	ZA24-T-BF	15,300	25	U110Z24T
35610	4 x 1/4 x 5/8	A24-R-BF	15,300	25	U111024R
36106	4 x 1/4 x 5/8	A30-N-ALU	15,300	25	U111030N
37510	4 x 1/4 x 5/8	C24-R-BF	15,300	25	U111724R
35611	4 x 1/4 x 5/8	ZA24-T-BF	15,300	25	U111Z24T
35622	4 1/2 x 1/4 x 7/8	A24-N-BF	13,300	25	U116024N
35623	4 1/2 x 1/4 x 5/8-11	A24-N-BF	13,300	10	U117024N
35620	4 1/2 x 1/4 x 7/8	A24-R-BF	13,300	25	U116024R
35621	4 1/2 x 1/4 x 5/8-11	A24-R-BF	13,300	10	U117024R
36102	4 1/2 x 1/4 x 7/8	A24-T-BF	13,300	25	U116024T
36103	4 1/2 x 1/4 x 5/8-11	A24-T-BF	13,300	10	U118024T
36107	4 1/2 x 1/4 x 7/8	A30-N-ALU	13,300	25	U116030N
36108	4 1/2 x 1/4 x 5/8-11	A30-N-ALU	13,300	10	U117030N
37520	4 1/2 x 1/4 x 7/8	C24-R-BF	13,300	25	U116724R
37525	4 1/2 x 1/4 x 5/8-11	C24-R-BF	13,300	10	U117024R
35673	4 1/2 x 1/4 x 7/8	WA24-S-BF	13,300	25	U116W24R
35674	4 1/2 x 1/4 x 5/8-11	WA24-S-BF	13,300	10	U117W24R
35624	4 1/2 x 1/4 x 7/8	ZA24-T-BF	13,300	25	U116Z24T
35625	4 1/2 x 1/4 x 5/8-11	ZA24-T-BF	13,300	10	U117Z24T
35627	5 x 1/4 x 7/8	A24-N-BF	12,250	25	U127024N
35629	5 x 1/4 x 5/8-11	A24-N-BF	12,250	10	U125024N
35626	5 x 1/4 x 7/8	A24-R-BF	12,250	25	U127024R
35628	5 x 1/4 x 5/8-11	A24-R-BF	12,250	10	U125024R
36109	5 x 1/4 x 7/8	A30-N-ALU	12,250	25	U127030N
36110	5 x 1/4 x 5/8-11	A30-N-ALU	12,250	10	U125030N
37543*	5 x 1/4 x 7/8	WA24-S-BF	12,250	25	U127W24R
37531*	5 x 1/4 x 5/8-11	WA24-S-BF	12,250	10	U125W24R
37535	5 x 1/4 x 7/8	ZA24-T-BF	12,250	25	U127Z24T
37530	5 x 1/4 x 5/8-11	ZA24-T-BF	12,250	10	U125Z24T
35632	6 x 1/4 x 7/8	A24-R-BF	10,020	25	U157024R
35633	6 x 1/4 x 5/8-11	A24-R-BF	10,020	10	U158024R
45039	6 x 1/4 x 7/8	ZA24-T-BF	10,020	25	U157Z24T
45040	6 x 1/4 x 5/8-11	ZA24-T-BF	10,020	10	U158Z24T

Type 27

Right Angle Grinder/Sander



T27 Depressed Center Wheels - 1/4" for grinding

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35642	7 x 1/4 x 7/8	A24-N-BF	8,600	25	U181024N
35643	7 x 1/4 x 5/8-11	A24-N-BF	8,600	10	U180024N
35640	7 x 1/4 x 7/8	A24-R-BF	8,600	25	U181024R
35641	7 x 1/4 x 5/8-11	A24-R-BF	8,600	10	U180024R
36104	7 x 1/4 x 7/8	A24-T-BF	8,600	25	U181024T
36105	7 x 1/4 x 5/8-11	A24-T-BF	8,600	10	U180024T
36111	7 x 1/4 x 7/8	A30-N-ALU	8,600	25	U181030N
36112	7 x 1/4 x 5/8-11	A30-N-ALU	8,600	10	U180030N
37545	7 x 1/4 x 7/8	C24-R-BF	8,600	25	U181724R
37540	7 x 1/4 x 5/8-11	C24-R-BF	8,600	10	U180724R
35677*	7 x 1/4 x 7/8	WA24-S-BF	8,600	25	U181W24R
35678*	7 x 1/4 x 5/8-11	WA24-S-BF	8,600	10	U180W24R
35644	7 x 1/4 x 7/8	ZA24-T-BF	8,600	25	U181Z24T
35645	7 x 1/4 x 5/8-11	ZA24-T-BF	8,600	10	U180Z24T
35656	9 x 1/4 x 7/8	A24-N-BF	6,600	25	U231024N
35657	9 x 1/4 x 5/8-11	A24-N-BF	6,600	10	U230024N
35654	9 x 1/4 x 7/8	A24-R-BF	6,600	25	U231024R
35655	9 x 1/4 x 5/8-11	A24-R-BF	6,600	10	U230024R
37555	9 x 1/4 x 7/8	C24-R-BF	6,600	25	U231724R
37550	9 x 1/4 x 5/8-11	C24-R-BF	6,600	10	U230724R
35658	9 x 1/4 x 7/8	ZA24-T-BF	6,600	25	U231024Z
35659	9 x 1/4 x 5/8-11	ZA24-T-BF	6,600	10	U230Z24T

Type 28

Right Angle Grinder/Sander



T28 Depressed Center Wheels - Pipeline 1/4" for grinding

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35646	7 x 1/4 x 7/8	A24-R-B	8,600	25	U179024R
35647	7 x 1/4 x 5/8-11	A24-R-B	8,600	10	U178024R
35660	9 x 1/4 x 7/8	A24-R-B	6,600	25	U229024R
35661	9 x 1/4 x 5/8-11	A24-R-B	6,600	10	U228024R

Reusable Threaded Arbor Kit - for depressed center wheels

UPC#	SIZE/SPEC	CARTON QTY
48228	CP-50 Adaptor Kit	1

High-Speed Reinforced Cut-Off Wheels Type 1

A: Aluminum Oxide
Metal & Steel



Type 1

Portable Grinders



1 1/2"-4" High Speed Reinforced Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35687	1 1/2 X 1/32 X 1/4	A60-R-BF	45,000	50	0150060R
35688	1 1/2 X 1/16 X 1/4	A60-R-BF	45,000	50	0151060R
35689	2 X 1/32 X 3/8	A60-R-BF	30,000	50	0250060R
35690	2 X 1/16 X 3/8	A60-R-BF	30,000	50	0251060R
35691	2 X 1/8 X 3/8	A24-R-BF	30,000	50	0212024R
35500	3 X 1/32 X 1/4	A60-R-BF	23,900	50	0080060R
35501	3 X 1/32 X 3/8	A60-R-BF	23,900	50	0081060R
35502	3 X 1/16 X 1/4	A36-R-BF	23,900	50	0084036R
35503	3 X 1/16 X 3/8	A36-R-BF	23,900	50	0085036R
35504	3 X 1/8 X 1/4	A24-R-BF	23,900	50	0087024R
35505	3 X 1/8 X 3/8	A24-R-BF	23,900	50	0088024R
35506	4 X 1/32 X 1/4	A60-R-BF	19,100	50	0100060R
35507	4 X 1/32 X 3/8	A60-R-BF	19,100	50	0101060R
35508	4 X 1/16 X 1/4	A36-R-BF	19,100	50	0104036R
35509	4 X 1/16 X 3/8	A36-R-BF	19,100	50	0105036R
35510	4 X 1/16 X 5/8	A36-R-BF	19,100	50	0106036R
35511	4 X 1/8 X 1/4	A24-R-BF	19,100	50	0106024R
35512	4 X 1/8 X 3/8	A24-R-BF	19,100	50	0107024R
35513	4 X 1/8 X 5/8	A24-R-BF	19,100	50	0108024R

Mandrel Adaptor

UPC#	SIZE/SPEC	CARTON QTY	PART#
48227	1/4"-3/8" Mandrel Adaptor	5	C143824M

CGW 7".20" General Purpose Cut-Off Wheels Type 1

Description and Applications

- A: Aluminum Oxide – Metal & Steel
- C: Silicon Carbide – Stone/Concrete
- ZA: Zirconia Aluminum Oxide – Metal, Steel & Stainless
 - .045 wheels extra thin for faster cutting with less resistance.



Circular Saw



General purpose 7" metal and masonry applications

Portable or Circular Saw Blades

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
37573	7 x .045 x 5/8	A60-S-BF	8,600	25	W727030R
37574	7 x .045 x 5/8	C30-R-BF	8,600	25	W727730R
35573	7 x 3/32 x 1/2	A24-R-BF	8,600	25	W737024R
35574	7 x 3/32 x 1/2	C24-R-BF	8,600	25	W737724R

**New
Thickness**

Stationary Saw Blades Type 1

Description and Applications

- A: Aluminum Oxide – Metal & Steel
- C: Silicon Carbide – Stone/Concrete
- ZA: Zirconia Aluminum Oxide – Metal, Steel & Stainless
 - Cut-off wheels used on stationary saw to cut structural steel, bar stock, tubing and non-ferrous metals.



Stationary Saw

10-20" wheels for metal and masonry cutting applications.



Stationary Saw Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35577	10 x 1/16 x 5/8	A24-R-BF	6,110	50	W250030R
35578	10 x 3/32 x 5/8	A24-R-BF	6,110	50	W251030R
35579	10 x 1/8 x 5/8	A24-R-BF	6,110	50	W252030R
35580	10 x 1/8 x 1	A24-R-BF	6,110	30	W253030R
35581	12 x 1/8 x 1	A24-R-BF	5,100	20	W300024R
35582	14 x 1/8 x 1	A24-R-BF	4,400	20	W350024R
37671	14 x 1/8 x 1	C24-R-BF	4,400	20	W350724R
35584	16 x 5/32 x 1	A24-R-BF	3,820	15	W399024R
35585	18 x 5/32 x 1	A24-R-BF	3,300	5	W460024R
35586	20 x 5/32 x 1	A24-R-BF	3,100	5	W500024R
36153	20 x 3/16 x 1	ZA24-R-BF	3,100	5	W500Z24R

New

12-14" wheels sold in (2) 10 piece retail box, master pack of 20.

Application Chart

SPEC.	Angle Iron – General Iron / Steel Bar	Metal Decking & Cable Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting	Cast Steel	Gray Cast Iron	Ductile Iron Pipe & Concrete	Aluminum Alloys	Copper	Brass, Bronze	Titanium	Asphalt / Green Concrete	Concrete	Roof – Tiles	Slate	Masonry	Marble	Paving Bricks	Firing Bricks	Solid Bricks	Clay Pipe
A24R	✓	✓	•	✓	•	•	•	•	✓	✓														
C24R									•	•		✓	✓	✓	•	✓	✓	✓	✓	✓	✓	✓	✓	✓
ZA24R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										

FERROUS METALS

CASTINGS

NON-FERROUS METALS

MASONRY

✓ = Recommended

• = May Be Used

CGW 12"-16" Type 1 Chop Saws

Description and Applications

- A: Aluminum Oxide – Metal & Steel.
14" available in single and double fiberglass reinforced.
- ALU: Aluminum Oxide – Special non-loading formulation for cutting aluminum.
- WA: White Aluminum Oxide – Excellent on stainless steel, ferrous metals.
- ZA: Zirconia Aluminum Oxide – Metal & Stainless; High performance cutting, recommended on thicker stock applications such as angle iron, angle bars.



Chop Saw



General Purpose, Double Reinforced Chop Saw Blades

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35575	12 x $\frac{3}{32}$ x 1	A36-P-BF	5,100	20	W328024R
35576	14 x $\frac{3}{32}$ x 1	A36-P-BF	4,400	20	W348036R
36133	16 x $\frac{3}{32}$ x 1	A36-P-BF	3,820	20	W399036R

Chop Saw



General Purpose, Single Reinforced Chop Saw Blades

- 1 layer of fiberglass with coarse sides, designed for thicker metals, fastest cutting

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35670	14 x $\frac{3}{32}$ x 1 Single	A302-P-BF	4,400	20	W348030R

Chop Saw



5-Pack Merchandiser - 14" Chop Saw Blades

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35685	14 x $\frac{3}{32}$ x 1	A36-P-BF (Double)	4,400	20	S348024C
35686*	14 x $\frac{3}{32}$ x 1	A302-P-BF (Single)	4,400	20	S348030S

*SR=Single or internal reinforced chop saw blade

Aluminum Double Reinforced Chop Saw Blades

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
36122	14 x $\frac{3}{32}$ x 1	A30N-BF-ALU	4,400	20	W348030N

12-14" wheels sold in (2) 10 piece retail box, master pack of 20.

CGW 12"-16" Chop Saws



MR. STUD, Double Reinforced Chop Saw Blades



- Designed for drywall stud, aluminum shelving, thin metal

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
36124	14 x 3/32 x 1	A30-R-BF	4,400	20	W349030R

Angle Iron/Heavy Bars, Zirconia, Double Reinforced Chop Saw Blades



- Zirconia grain, excellent on all ferrous metal applications, especially thicker stock

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
36125	14 x 3/32 x 1	ZA24-S-BF	4,400	20	W348036S

Stainless Steel, Single Reinforced Chop Saw Blades

- Designed for stainless steel applications
- Contamination Free, Fe+S+Cl<0.1%
- No iron, sulfur or chlorine



UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
36123	14 x 3/32 x 1	WA36-P-BF	4,400	20	W348W30S

12-14" wheels sold in (2) 10 piece retail box, master pack of 20.

Application Chart - Chop Saw Blades

SPEC.	Angle Iron - General	Iron / Steel Bar	Metal Decking & Cable	Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting	Cast Steel	Gray Cast Iron	Ductile Iron Pipe & Concrete	Aluminum Alloys	Copper	Brass, Bronze	Titanium
A36P / A302P*	✓	✓	•	•	•	✓	•	•	•	•	•	•	•	•	•	•
A30R-Mr Stud					✓											
A30N-ALU											•		✓	•	•	•
WA36P						✓	✓	✓								
ZA24S	✓	✓	✓	✓	✓	✓	✓	✓	✓							

*A302 is single reinforced (SR). The SR blades have a lower G-ratio but higher cutting rate compared to the double reinforced.

- ✓ = Recommended
- = May Be Used

CGW 12"-16" High Speed Cut-Off Wheels - Type 1

Description and Applications

- A24R: Aluminum Oxide – Metal & Steel, Stainless, general purpose. 14" are triple reinforced.
- A24T: Aluminum Oxide – Metal Decking & Cable. Harder bond for more cuts on thinner metals. 14" are triple reinforced.
- AC: (Mix of A/C) – Used on Ductile Iron. 14" are triple reinforced.
- C16: Silicon Carbide – Asphalt/Green Concrete
- C24: Silicon Carbide – Stone/Concrete.



- **EB – Electronically Balanced.** All 12-14" wheels are automatically balanced during manufacturing. All 12-14" wheels are guaranteed to be less than 3 and 3.5 grams out of balance. CGW wheels are safer, cause less vibration and are more consistent.



- CGW uses heavy duty fiberglass reinforcement, so our 12-14" high speed wheels meet speed specifications for all machines on the market.
- 14" A24R, A24T, AC & 16" wheels are **triple reinforced (TR)** as standard to provide extra safety.
- 12 & 14" wheels can be used with both gas and electric high speed machines.
- 12 & 14" wheels sold in (2) 10 piece retail boxes, master pack contains 20 pieces.

Gas Saw



A24R, Metal & Steel, General Purpose 12-16" High Speed Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35587	12 x $\frac{5}{32}$ x 20mm	A24-R-BF	6,400	20	W302024R
35589	12 x $\frac{5}{32}$ x 1	A24-R-BF	6,400	20	W303024R
35599	14 x $\frac{5}{32}$ x 20mm	A24-R-BF TR	5,500	20	W348024R
35600	14 x $\frac{5}{32}$ x 1	A24-R-BF TR	5,500	20	W347024R
36142	16 x $\frac{5}{32}$ x 20mm	A24-R-BF TR	4,800	20	W398024R
36143	16 x $\frac{5}{32}$ x 1	A24-R-BF TR	4,800	20	W397024R

A24T, Metal Decking & Cable, Thinner Metals 12-14" High Speed Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
36114	12 x $\frac{5}{32}$ x 20mm	A24-T-BF	6,400	20	W302024T
36115	12 x $\frac{5}{32}$ x 1	A24-T-BF	6,400	20	W303024T
36113	14 x $\frac{5}{32}$ x 20mm	A24-T-BF TR	5,500	20	W348024T
36126	14 x $\frac{5}{32}$ x 1	A24-T-BF TR	5,500	20	W347024T



AC24R, Ductile Iron 12-16" High Speed Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35590	12 x $\frac{5}{32}$ x 20mm	AC24-R-BF	6,400	20	W302924R
35592	12 x $\frac{5}{32}$ x 1	AC24-R-BF	6,400	20	W303924R
35601	14 x $\frac{5}{32}$ x 20mm	AC24-R-BF TR	5,500	20	W348924R
35602	14 x $\frac{5}{32}$ x 1	AC24-R-BF TR	5,500	20	W347924R
36144	16 x $\frac{5}{32}$ x 20mm	AC24-R-BF TR	4,800	20	W398924R
36145	16 x $\frac{5}{32}$ x 1	AC24-R-BF TR	4,800	20	W399924R

TR=Triple Reinforced



10-20" wheels for metal and masonry cutting applications.

C16U, Asphalt/Green Concrete 12-14" High Speed Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35593	12 x $\frac{5}{32}$ x 20mm	C16-U-BF	6,400	20	W302716U
35595	12 x $\frac{5}{32}$ x 1	C16-U-BF	6,400	20	W303716U
35603	14 x $\frac{5}{32}$ x 20mm	C16-U-BF	5,500	20	W348716U
35604	14 x $\frac{5}{32}$ x 1	C16-U-BF	5,500	20	W347716U

C24R, Stone/Concrete 12-16" High Speed Cut-Off Wheels

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35596	12 x $\frac{5}{32}$ x 20mm	C24-R-BF	6,400	20	W302724R
35598	12 x $\frac{5}{32}$ x 1	C24-R-BF	6,400	20	W300724R
35605	14 x $\frac{5}{32}$ x 20mm	C24-R-BF	5,500	20	W348724R
35606	14 x $\frac{5}{32}$ x 1	C24-R-BF	5,500	20	W347724R
36146	16 x $\frac{5}{32}$ x 20mm	C24-R-BF	4,800	20	W398724R
36147	16 x $\frac{5}{32}$ x 1	C24-R-BF	4,800	20	W399724R

Walk Behind Saws



14" wheels for Walk Behind Saws - Asphalt/concrete

Walk Behind Saws with PH (Pinhole)

UPC#	SIZE	SPEC.	R.P.M.	CARTON QTY	PART#
35608	14 x $\frac{3}{16}$ x 1 + PH	C16-U-BF	5,500	20	W355716U
37672	14 x $\frac{3}{16}$ x 1 + PH	C24-R-BF	5,500	20	W355724R

Application Chart - 12-14" High Speed Cut-Off Wheels

SPEC.	Angle Iron - General Iron / Steel Bar	Metal Decking & Cable Pipe Line	Wall Studs	High Tensile Steel	Stainless Steel Sheets	Stainless Steel Bars	Rail Cutting	Cast Steel	Gray Cast Iron	Ductile Iron Pipe & Concrete	Aluminum Alloys	Copper	Brass, Bronze	Titanium	Asphalt / Green Concrete	Concrete	Roof - Tiles	Slate	Masonry	Marble	Paving Bricks	Firing Bricks	Solid Bricks	Clay Pipe
A24R	✓	✓	•	✓	•	✓	✓	✓	✓	✓														
A24T	✓	✓	✓	✓	✓	✓	✓																	
AC24R										✓														
C24R									•	•		✓	✓	✓	•	✓	✓	✓	✓	✓	✓	✓	✓	✓
C16U															✓									

FERROUS METALS

CASTINGS

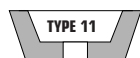
NON-FERROUS
METALS

MASONRY

✓ = Recommended

• = May Be Used

Resin Cup Wheels, Cones & Plugs



Cups

- A: Aluminum Oxide; For tough steel, ferrous metal applications
- CA: Aluminum Oxide/Silicon Carbide Mix; Excellent for castings, cast iron, aluminum
- C: Ideal for grinding and cleaning concrete, masonry and stone

4/3 x 2 x 5/8-11 9,070 R.P.M.

UPC#	SIZE	SPEC.	CARTON	UNIT
NO STEEL BACK				
49000	4/3 x 2 x 5/8-11	A16-Q6-B	1	10
49002	4/3 x 2 x 5/8-11	C16-N-B	1	10
49003	4/3 x 2 x 5/8-11	CA16-N-B	1	10
WITH STEEL BACK				
49001	4/3 x 2 x 5/8-11	A16-Q6-B	1	10

5/4 x 2 x 5/8-11 7,260 R.P.M.

UPC#	SIZE	SPEC.	CARTON	UNIT
NO STEEL BACK				
49004	5/4 x 2 x 5/8-11	A16-Q6-B	1	10
49005	5/4 x 2 x 5/8-11	A24-Q6-B	1	10
49006	5/4 x 2 x 5/8-11	C16-N-B	1	10
49007	5/4 x 2 x 5/8-11	CA16-N-B	1	10

6/4-3/4 x 2 x 5/8-11 6,048 R.P.M.

UPC#	SIZE	SPEC.	CARTON	UNIT
NO STEEL BACK				
35900	6/4-3/4 x 2 x 5/8-11	A16-Q6-B	5	10
49008	6/4-3/4 x 2 x 5/8-11	A16-Q6-B	1	10
49010	6/4-3/4 x 2 x 5/8-11	A24-Q6-B	5	10
49011	6/4-3/4 x 2 x 5/8-11	A24-Q6-B	1	10
35901	6/4-3/4 x 2 x 5/8-11	C16-N-B	1	10
49014	6/4-3/4 x 2 x 5/8-11	CA16-Q6-B	1	10
WITH STEEL BACK				
49009	6/4-3/4 x 2 x 5/8-11	A16-Q6-B	1	10
49012	6/4-3/4 x 2 x 5/8-11	A24-Q6-B	1	10
49013	6/4-3/4 x 2 x 5/8-11	C16-N-B	1	10
49015	6/4-3/4 x 2 x 5/8-11	CA16-Q6-B	1	10

*35900 and 49010 are packed 5 to a box.
All other items are individually packed.



Cones & Plugs

- A: Aluminum Oxide Grain; Used for grinding and finishing metals in hard to reach areas.

Cones

UPC#	SIZE	SPEC.	R.P.M.	CARTON	UNIT
TYPE 16					
49016	1 1/2 x 2 1/2 x 3/8-24	A16R	24,192	10	20
49017	1 1/2 x 2 1/2 x 5/8-11	A24R	24,192	10	20
49018	1 1/2 x 3 x 3/8-24	A24R	24,192	10	20
49019	1 1/2 x 3 x 5/8-11	A24R	24,192	10	20
49021	2 x 3 x 5/8-11	A24R	18,144	10	20
49022	2 3/4 x 3 1/2 x 5/8-11	A24R	13,195	10	20
49023	3 x 3 x 5/8-11	A24R	12,096	10	20
TYPE 17					
49024	1 1/2 x 2 1/2 x 3/8-24	A24R	24,192	10	20
49026	1 1/2 x 3 x 3/8-24	A24R	24,192	10	20
49027	1 1/2 x 3 x 5/8-11	A24R	24,192	10	20
49028	2 x 3 x 5/8-11	A24R	18,144	10	20
49029	2 1/2 x 3 x 5/8-11	A24R	14,515	10	20

Plugs

UPC#	SIZE	SPEC.	R.P.M.	CARTON	UNIT
TYPE 18					
49030	1 1/2 x 2 1/2 x 3/8-24	A24R	24,192	10	20
49031	1 1/2 x 2 1/2 x 5/8-11	A24R	24,192	10	20
49032	1 1/2 x 3 x 3/8-24	A24R	24,192	10	20
49033	1 1/2 x 3 x 5/8-11	A24R	24,192	10	20
49035	2 x 3 x 5/8-11	A24R	24,192	10	20
49036	2 x 3 1/2 x 5/8-11	A24R	24,192	10	20
TYPE 18R					
49037	1 1/2 x 2 1/2 x 3/8-24	A24R	24,192	10	20
49038	1 1/2 x 2 1/2 x 5/8-11	A24R	24,192	10	20
49039	1 1/2 x 3 x 3/8-24	A24R	24,192	10	20
49040	1 1/2 x 3 x 5/8-11	A24R	24,192	10	20
49042	2 x 3 x 5/8-11	A24R	24,192	10	20
49043	3 x 3 x 5/8-11	A24R	24,192	10	20

Bench & Pedestal Wheels Type 1

Description and Applications

- Straight vitrified wheels used for off-hand tool sharpening and grinding.
- A: General purpose off-hand work
- GC: Used on non-ferrous metals, tungsten carbide
 - 6-8" include bushings for $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " and 1" (for 8") arbor hole
 - 10"-12"x1 $\frac{1}{4}$ " includes bushings for 1 $\frac{1}{4}$ ", 1" and $\frac{3}{4}$ " arbors
 - 12"x2"-14"x2" includes bushings for 1 $\frac{1}{2}$ ", 1 $\frac{1}{4}$ " and 1" arbors
- Also available in a shipable single pack box as well as Premium Grain (white, pink, blue) in 6"-8" sizes.



6" Bench Wheels

4,456 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35000	38001	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A24-Q-V
35001	38002	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A36-O-V
35002	38003	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35003	38004	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35004	38005	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A80-M-V
35008	38006	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A24-Q-V
35009	38007	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A36-O-V
35010	38008	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35011	38009	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35012	38010	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A80-M-V
35017	38011	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A24-Q-V
35018	38012	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A36-O-V
35019	38013	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35020	38014	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35021	38015	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A80-M-V
GREEN SILICON CARBIDE:			
35005	38501	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35006	38502	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35007	38503	6 x $\frac{1}{2}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V
35013	38504	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35014	38505	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35015	38506	6 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V
35022	38507	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35023	38508	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35024	38509	6 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V

Carton Pack is 10

7" Bench Wheels

3,760 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35028	38561	7 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35029	38562	7 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35034	38016	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A24-Q-V
35035	38017	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A36-O-V
35036	38018	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35037	38019	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35038	38020	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A80-M-V
GREEN SILICON CARBIDE:			
35031	38510	7 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35032	38511	7 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35033	38512	7 x $\frac{3}{4}$ x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V
35039	38513	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35040	38514	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35041	38515	7 x 1 x 1 ($\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V

Carton Pack is 10

8" Bench Wheels*

3,600 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35044		8 x $\frac{3}{4}$ x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35046	38021	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A24-Q-V
35047	38022	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A36-O-V
35048	38023	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A46-M-V
35049	38024	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A60-M-V
35050	38025	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	A80-M-V
GREEN SILICON CARBIDE:			
35051	38516	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC60-I-V
35052	38517	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC80-I-V
35053	38518	8 x 1 x 1 $\frac{1}{4}$ (1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$)	GC100-I-V

Carton Pack is 10

*8"x1" wheels will be changed to 1 $\frac{1}{4}$ " arbor in 2003.
Call for stock levels.

10" Bench Wheels 2,483 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35055	38026	10 x 1 x 1 ¹ / ₄	A24-Q-V
35056	38027	10 x 1 x 1 ¹ / ₄	A36-O-V
35057	38028	10 x 1 x 1 ¹ / ₄	A46-M-V
35058	38029	10 x 1 x 1 ¹ / ₄	A60-M-V
35059	38030	10 x 1 x 1 ¹ / ₄	A80-M-V
35064		10 x 1 ¹ / ₄ x 1 ¹ / ₄	A46/54-M-V
35065	38031	10 x 1 ¹ / ₂ x 1 ¹ / ₄	A24-Q-V
35066	38032	10 x 1 ¹ / ₂ x 1 ¹ / ₄	A36-O-V
35067	38033	10 x 1 ¹ / ₂ x 1 ¹ / ₄	A46-M-V
35068	38034	10 x 1 ¹ / ₂ x 1 ¹ / ₄	A60-M-V
35069	38035	10 x 1 ¹ / ₂ x 1 ¹ / ₄	A80-M-V
35073		10 x 2 x 1 ¹ / ₄	A30/36-O-V
35074		10 x 2 x 1 ¹ / ₄	A54-M-V
GREEN SILICON CARBIDE:			
35060	38519	10 x 1 x 1 ¹ / ₄	GC60-I-V
35061	38520	10 x 1 x 1 ¹ / ₄	GC80-I-V
35062	38521	10 x 1 x 1 ¹ / ₄	GC100-I-V
35070	38522	10 x 1 ¹ / ₂ x 1 ¹ / ₄	GC60-I-V
35071	38523	10 x 1 ¹ / ₂ x 1 ¹ / ₄	GC80-I-V
35072	38524	10 x 1 ¹ / ₂ x 1 ¹ / ₄	GC100-I-V

12" Bench Wheels 2,220 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35075	38036	12 x 1 x 1 ¹ / ₄	A24-Q-V
35077	38038	12 x 1 x 1 ¹ / ₄	A46-M-V
35078	38039	12 x 1 x 1 ¹ / ₄	A60-M-V
35083	38041	12 x 1 ¹ / ₂ x 1 ¹ / ₄	A24-Q-V
35084	38042	12 x 1 ¹ / ₂ x 1 ¹ / ₄	A36-O-V
35085	38043	12 x 1 ¹ / ₂ x 1 ¹ / ₄	A46-M-V
35086	38044	12 x 1 ¹ / ₂ x 1 ¹ / ₄	A60-M-V
35091	38046	12 x 2 x 1 ¹ / ₂	A24-Q-V
35092	38047	12 x 2 x 1 ¹ / ₂	A36-O-V
35093	38048	12 x 2 x 1 ¹ / ₂	A46-M-V
35094	38049	12 x 2 x 1 ¹ / ₂	A60-M-V
35095	38050	12 x 2 x 1 ¹ / ₂	A80-M-V
GREEN SILICON CARBIDE:			
35080	38525	12 x 1 x 1 ¹ / ₄	GC60-I-V
35088	38528	12 x 1 ¹ / ₂ x 1 ¹ / ₄	GC60-I-V
35089	38529	12 x 1 ¹ / ₂ x 1 ¹ / ₄	GC80-I-V
35096	38531	12 x 2 x 1 ¹ / ₂	GC60-I-V
35097	38532	12 x 2 x 1 ¹ / ₂	GC80-I-V
35098	38533	12 x 2 x 1 ¹ / ₂	GC100-I-V

14" Bench Wheels 1,773 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35099	38051	14 x 2 x 1 ¹ / ₂	A24-Q-V
35100	38052	14 x 2 x 1 ¹ / ₂	A36-O-V
35101	38053	14 x 2 x 1 ¹ / ₂	A46-M-V
35102	38054	14 x 2 x 1 ¹ / ₂	A60-M-V
35103	38055	14 x 2 x 1 ¹ / ₂	A80-M-V
35107		14 x 3 x 1 ¹ / ₂ -1 ¹ / ₄	A24/30-Q-V
35108		14 x 3 x 1 ¹ / ₂ -1 ¹ / ₄	A46/54-M-V
GREEN SILICON CARBIDE:			
35104	38534	14 x 2 x 1 ¹ / ₂	GC60-I-V
35105	38535	14 x 2 x 1 ¹ / ₂	GC80-I-V

16" Bench Wheels 1,550 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35109		16 x 2 x 1 ¹ / ₂	A24-Q-V
35110		16 x 2 x 1 ¹ / ₂	A36-O-V

18" Bench Wheels 1,485 R.P.M.

CARTON PACK UPC	INDIVIDUAL BOX UPC	SIZE	SPEC.
BROWN ALUMINUM OXIDE:			
35112		18 x 3 x 1 ¹ / ₂	A24-Q-V
35113		18 x 3 x 1 ¹ / ₂	A36-O-V
35114		18 x 3 x 1 ¹ / ₂	A54-O-V

Bench Wheel Bushings

UPC#	DESCRIPTION
51000	1/2" Wide (Thick) 1"-1 1/2" – Bushings (1", 3/4", 5/8", 1/2")
51001	3/4" Wide (Thick) 1"-1 1/2" – Bushings (1", 3/4", 5/8", 1/2")
51002	1" Wide (Thick) 1"-1 1/2" – Bushings (1", 3/4", 5/8", 1/2")
51003	1/2" Wide (Thick) 1 1/4"-1" – Bushings (1 1/4", 1")
51004	3/4" Wide (Thick) 1 1/4"-1" – Bushings (1 1/4", 1")
51005	1" Wide (Thick) 1 1/4"-1" – Bushings (1 1/4", 1")
51006	1/2" Wide (Thick) 1 1/2"-1 1/4" – Bushings (1 1/2", 1 1/4")
51007	3/4" Wide (Thick) 1 1/2"-1 1/4" – Bushings (1 1/2", 1 1/4")
51008	1" Wide (Thick) 1 1/2"-1 1/4" – Bushings (1 1/2", 1 1/4")

Premium Grain Bench Wheels - Type 1

Description and Applications

- Straight vitrified wheels used for off-hand tool sharpening and grinding.
- AZ: Friable grain and a cooler bond. Excellent on materials RC 55 and above, but can also be used on general purpose tool steel. The bond allows free cutting action while pulling heat away from the part and into the matrix of the wheel. Recommended for grinding aluminum and stainless steels, as well as very hard steels.
- WA: The high friability of this grain gives it the characteristic of fast and cool cutting used for light grinding of steels of all kinds, particularly on tool and die steels.
 - Premium grain bench wheels are individually packed
 - 6"-8" include bushings for 1/2", 5/8", 3/4", and 1" arbor hole



6" Premium Grain Bench Wheels 4,456 R.P.M.

UPC#	SIZE	SPEC.
WHITE ALUMINUM OXIDE:		
38611	6 x 3/4 x 1 (3/4, 5/8, 1/2)	WA36-K-V
38612	6 x 3/4 x 1 (3/4, 5/8, 1/2)	WA46-K-V
38613	6 x 3/4 x 1 (3/4, 5/8, 1/2)	WA60-K-V
38616	6 x 3/4 x 1 (3/4, 5/8, 1/2)	WA120-K-V
38621	6 x 1 x 1 (3/4, 5/8, 1/2)	WA36-K-V
38622	6 x 1 x 1 (3/4, 5/8, 1/2)	WA46-K-V
38623	6 x 1 x 1 (3/4, 5/8, 1/2)	WA60-K-V
38626	6 x 1 x 1 (3/4, 5/8, 1/2)	WA120-K-V
PREMIUM BLUE ALUMINUM OXIDE:		
38111	6 x 3/4 x 1 (3/4, 5/8, 1/2)	AZ36-K-V32A
38113	6 x 3/4 x 1 (3/4, 5/8, 1/2)	AZ60-K-V32A
38114	6 x 3/4 x 1 (3/4, 5/8, 1/2)	AZ80-K-V32A
38116	6 x 3/4 x 1 (3/4, 5/8, 1/2)	AZ120-K-V32A
38121	6 x 1 x 1 (3/4, 5/8, 1/2)	AZ36-K-V32A
38123	6 x 1 x 1 (3/4, 5/8, 1/2)	AZ60-K-V32A
38124	6 x 1 x 1 (3/4, 5/8, 1/2)	AZ80-K-V32A
38126	6 x 1 x 1 (3/4, 5/8, 1/2)	AZ120-K-V32A

7" Premium Grain Bench Wheels 3,760 R.P.M.

UPC#	SIZE	SPEC.
WHITE ALUMINUM OXIDE:		
38661	7 x 1 x 1 (3/4, 5/8, 1/2)	WA36-K-V
38662	7 x 1 x 1 (3/4, 5/8, 1/2)	WA46-K-V
38663	7 x 1 x 1 (3/4, 5/8, 1/2)	WA60-K-V
38666	7 x 1 x 1 (3/4, 5/8, 1/2)	WA120-K-V
PREMIUM BLUE ALUMINUM OXIDE:		
38161	7 x 1 x 1 (3/4, 5/8, 1/2)	AZ36-K-V32A
38163	7 x 1 x 1 (3/4, 5/8, 1/2)	AZ60-K-V32A
38164	7 x 1 x 1 (3/4, 5/8, 1/2)	AZ80-K-V32A
38166	7 x 1 x 1 (3/4, 5/8, 1/2)	AZ120-K-V32A

8" Premium Grain Bench Wheels 3,600 R.P.M.

UPC#	SIZE	SPEC.
WHITE ALUMINUM OXIDE:		
38701	8 x 1 x 1 (3/4, 5/8, 1/2)	WA36-K-V
38702	8 x 1 x 1 (3/4, 5/8, 1/2)	WA46-K-V
38703	8 x 1 x 1 (3/4, 5/8, 1/2)	WA60-K-V
38706	8 x 1 x 1 (3/4, 5/8, 1/2)	WA120-K-V
PREMIUM BLUE ALUMINUM OXIDE:		
38201	8 x 1 x 1 (3/4, 5/8, 1/2)	AZ36-K-V32A
38203	8 x 1 x 1 (3/4, 5/8, 1/2)	AZ60-K-V32A
38204	8 x 1 x 1 (3/4, 5/8, 1/2)	AZ80-K-V32A
38206	8 x 1 x 1 (3/4, 5/8, 1/2)	AZ120-K-V32A

Mounted Points

Premium Pink Aluminum Oxide

Description and Applications

- Used in almost every industry but primarily in tool and die shops, and foundries.
- General applications: Deburring, Tool sharpening, Finishing cavities, Removing mold marks and parting lines
- Mounted points are classified by shape groups A, B, and W.
- The semi-friable pink PA abrasive is used to produce sharp, consistent cutting action.

- PA: Premium Pink Aluminum Oxide, 60 grit

100 Piece Mounted Point Set with 1/4" Spindle

- Contains 10 each of the following:
A-4, A-12, A-14, A-21, A-32, A-37, A-39, A-40, W-206, W-217



UPC#	SHANK	PART#	CARTON	UNIT
35950	1/4 shank	MTPTKIT	—	1

A-Shaped Mounted Points R.P.M.*

UPC#	SIZE	SPEC.	SHANK	CARTON
35951	A-1	7/8 x 2 1/2	1/4 shank	50
35953	A-3	7/8 x 2 3/4	1/4 shank	50
35954	A-4	1 1/4 x 1 1/4	1/4 shank	50
35955	A-5	3/4 x 1 1/8	1/4 shank	50
35957	A-11	7/8 x 2	1/4 shank	50
35958	A-12	1 1/16 x 1 1/4	1/4 shank	50
35962	A-21	1 x 1	1/4 shank	50
35965	A-24	1/4 x 3/4	1/4 shank	50
35966	A-25	1 x 1	1/4 shank	50
35973	A-36	1 5/8 x 3/8	1/4 shank	50
35975	A-38	1 x 1	1/4 shank	50

B-Shaped Mounted Points R.P.M.*

UPC#	SIZE	SPEC.	SHANK	CARTON
35980	B-44	7/32 x 3/8	1/8 shank	50
35981	B-45	3/16 x 5/16	1/8 shank	50
35985	B-52	3/8 x 3/4	1/8 shank	50
35986	B-53	1/4 x 5/8	1/8 shank	50
35998	B-97	3/32 x 3/8	1/8 shank	50
36006	B-121	1/2 x 1/2	1/8 shank	50
36009	B-132	3/8 x 1/2	1/8 shank	50
36012	B-135	1/4 x 1/4	1/8 shank	50

W-Shaped Mounted Points - 1/8 Shank R.P.M.*

UPC#	SIZE	SPEC.	SHANK	CARTON
36016	W-146	1/8 x 1/2	1/8 shank	50
36032	W-177	3/8 x 3/4	1/8 shank	50
36042	W-189	1/2 x 2	1/8 shank	50
36044	W-196	5/8 x 1	1/8 shank	50

W-Shaped Mounted Points - 1/4 Shank R.P.M.*

UPC#	SIZE	SPEC.	SHANK	CARTON
36050	W-204	3/4 x 3/4	1/4 shank	50
36052	W-207	3/4 x 1 1/2	1/4 shank	50
36058	W-220	1 x 1	1/4 shank	50
36060	W-222	1 x 2	1/4 shank	50
36061	W-225	1 1/4 x 1/4	1/4 shank	50
36067	W-236	1 1/2 x 1/2	1/4 shank	50

*No matter what factors of wheel size, shape, specification, mandrel size, overhang, or machine conditions are changed, the speed of 10,000 SFPM shall not be exceeded.

CGW Counter Top Merchandisers

Quickie Cut Cut-Off Wheel Counter Top Merchandisers

- No freight charges with any one merchandiser!
- 1,200+ piece volume pricing on every item!
- Most popular selling products
- Die grinder cut-off wheels
- Right angle grinder cut-off wheels

#99025



Quickie Cut Cut-Off Wheel Counter Top Merchandiser

CGW UPC#	DESCRIPTION	FEATURE	QTY ON RACK	PACKAGE QTY
35500	3" x 1/32" x 3/8" A60-R-BF, T-1	General Purpose	50	50
35003	3" x 1/16" x 3/8" A36-R-BF, T-1	General Purpose	50	50
35007	4" x 1/32" x 3/8" A60-R-BF, T-1	General Purpose	50	50
35009	4" x 1/16" x 3/8" A60-R-BF, T-1	General Purpose	50	50
45010	4 1/2" x .035 x 7/8" A60-T-BFLEX, T-1	X-Thin/Flexible	50	50
45012	6" x .040 x 7/8" A60-T-BFLEX, T-1	X-Thin/Flexible	50	50
45002	4 1/2" x .045 x 7/8" ZA60-S-BF, T-27	Thin/Long Life	50	50
45002	4 1/2" x .045 x 7/8" WA60-R-BF, T-27	Stainless Steel	50	50
99024	Wire Display Rack	Just 18" Wide	1	1
99029	Vinyl Display Header		1	1

CGW Counter Top Merchandisers

Premium Flap Disc Counter Top Merchandisers

- No freight charges with any one merchandiser!
- 1,200+ piece volume pricing on every item!
- Most popular selling products
- Z3 – 100% Zirconia Flap Discs
- Z-Stainless – Zirconia Flap Discs with grinding aid

#99026



Premium Flap Disc Counter Top Merchandis

CGW UPC#	DESCRIPTION	FEATURE	QTY ON RACK	PACKAGE QTY
42322	4 1/2" x 7/8" 40Z Grit, T-29 Z3 Regular	Carbon Steel	10	10
42324	4 1/2" x 7/8" 60Z Grit, T-29 Z3 Regular	Carbon Steel	10	10
42325	4 1/2" x 7/8" 80Z Grit, T-29 Z3 Regular	Carbon Steel	10	10
42334	4 1/2" x 5/8"-11 60Z Grit, T-27 Z3 Regular	Carbon Steel	10	10
31052	4 1/2" x 7/8" 40Z Grit, T-29 Z-S Regular	Stainless Steel	10	10
31054	4 1/2" x 7/8" 60Z Grit, T-29 Z-S Regular	Stainless Steel	10	10
31055	4 1/2" x 7/8" 80Z Grit, T-29 Z-S Regular	Stainless Steel	10	10
31204	4 1/2" x 5/8"-11 60Z Grit, T-29 Z-S Regular	Stainless Steel	10	10
99024	Wire Display Rack	Just 18" Wide	1	1
99029	Vinyl Display Header			

CGW Merchandisers

Bonded Abrasive Merchandiser

- No freight charges with any one merchandiser!
- 1,200+ piece volume pricing on every item!
- Most popular selling products

■ Products Included:

- Quickie Cut Cut-Offs
- Die Grinder Cut-Offs
- Depressed Center Grinding Wheels
- Chop and Stationary Blades
- Bench Wheels

(gondola and peg hooks
not included)



#99030

Bonded Abrasive Merchandiser

CGW UPC#	DESCRIPTION	FEATURE	QTY ON RACK	PACKAGE QTY
35501	3" x 1/32" x 3/8" A60-R-BF, T-1 (Cut-off)	General Purpose	50	50
35003	3" x 1/16" x 3/8" A36-R-BF, T-1 (Cut-off)	General Purpose	50	50
35009	4" x 1/16" x 3/8" A36-R-BF, T-1 (Cut-off)	General Purpose	50	50
45010	4 1/2" x .035 x 7/8" A60-T-BFLEX, T-1 (Quickie Cut)	X-Thin/Flexible	25	25
45012	6" x .040 x 7/8" A60-T-BFLEX, T-1 (Quickie Cut)	X-Thin/Flexible	25	25
35514	4 1/2" x .045 x 7/8" A36-T-BF, T-1 (Quickie Cut)	Thin/Gen. Purpose	25	25
35515	4 1/2" x .045 x 7/8" WA60-R-BF, T-1 (Quickie Cut)	Stainless Steel	25	25
45007	6" x .045 x 7/8" ZA60-S-BF, T-1 (Quickie Cut)	Thin/Long Life	25	25
45002	4 1/2" x .045 x 7/8" ZA60-S-BF, T-27 (Quickie Cut)	Thin/Long Life	25	25
45003	4 1/2" x .045 x 7/8" WA60-R-BF, T-27 (Quickie Cut)	Stainless Steel	25	25
35609	4" x 1/8" x 5/8" A24-R-BF, T-27 (DCW)	Notching/Cutting	25	25
35612	4 1/2" x 1/8" x 7/8" A24-R-BF, T-27 (DCW)	Notching/Cutting	25	25
35613	4 1/2" x 1/8" x 5/8"-11 A24-R-BF, T-27 (DCW)	Notching/Cutting	10	10
35610	4" x 1/4" x 5/8" A24-R-BF, T-27 (DCW)	Grinding	25	25
35620	4 1/2" x 1/8" x 7/8" A24-R-BF, T-27 (DCW)	Long Life	25	25
35622	4 1/2" x 1/8" x 7/8" A24-N-BF, T-27 (DCW)	Fast Grinding	25	25
35621	4 1/2" x 1/8" x 5/8"-11 A24-R-BF, T-27 (DCW)	Long Life	10	10
35673	4 1/2" x 1/8" x 7/8" WA24-R-BF, T-27 (DCW)	Stainless Steel	25	25
35624	4 1/2" x 1/8" x 7/8" ZA24-T-BF, T-27 (DCW)	X-Long Life	25	25
35640	7" x 1/4" x 7/8" A24-R-BF, T-27 (DCW)	Long Life	25	25
35641	7" x 1/4" x 5/8"-11 A24-R-BF, T-27 (DCW)	Long Life	10	10
35644	7" x 1/4" x 5/8"-11 ZA24-T-BF, T-27 (DCW)	X-Long Life	10	10
35655	9" x 1/4" x 5/8"-11 A24-R-BF, T-27 (DCW)	Long Life	10	10
35573	7" x 3/32" x 5/8"-<> A24-R-BF, T-27 (Circular Saw Blade)	Metal	25	25
35670	14" x 3/32" x 1" A24-R-BF, T-27 (Chop Saw Blade)	General Purpose	20	20
35576	14" x 3/32" x 1" ZA24-T-BF, T-27 (Chop Saw Blade)	General Purpose	30	30
35582	14" x 3/32" x 1" A24-R-BF, T-27 (Stationary Saw Blade)	Metal	10	10
38012	6" x 1" x H* A36-O-V (Bench Wheel)	Coarse Grain	2	2
38022	8" x 1" x H* A36-O-V, T-1 (Bench Wheel)	Coarse Grain	2	2
H* = 1" arbor hole with 3/4", 5/8" and 1/2" bushings				
99021	8" x 23" Vinyl Header	Adhesive Strip	1	1
99022	23" x 48" Vinyl Header	with Push Pins	1	1

CGW Merchandisers

Coated Abrasive Merchandiser

- Z3 – 100% Zirconia Flap Discs
- Z-Stainless – Zirconia Flap Discs with grinding aid
- Resin Fibre Discs
- Flap Wheels

#99031

(gondola and peg hooks
not included)



Coated Abrasive Merchandiser

CGW UPC#	DESCRIPTION	FEATURE	QTY ON RACK	PACKAGE QTY
42301	4 1/2" x 7/8" 36Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42302	4 1/2" x 7/8" 40Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42304	4 1/2" x 7/8" 60Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42305	4 1/2" x 7/8" 80Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42306	4 1/2" x 7/8" 120Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42314	4 1/2" x 5/8"-11 60Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42315	4 1/2" x 5/8"-11 80Z Grit, T-27 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42342	4 1/2" x 7/8" 40Z Grit, T-27 Z3 XL (Flap Disc)	60% more mat'l	10	10
42344	4 1/2" x 7/8" 60Z Grit, T-27 Z3 XL (Flap Disc)	60% more mat'l	10	10
42345	4 1/2" x 7/8" 80Z Grit, T-27 Z3 XL (Flap Disc)	60% more mat'l	10	10
42322	4 1/2" x 7/8" 40Z Grit, T-29 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42324	4 1/2" x 7/8" 60Z Grit, T-29 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42325	4 1/2" x 7/8" 80Z Grit, T-29 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42732	7" x 5/8"-11 40Z Grit, T-29 Z3 Regular (Flap Disc)	Carbon Steel	10	10
42734	7" x 5/8"-11 60Z Grit, T-29 Z3 Regular (Flap Disc)	Carbon Steel	10	10
31052	4 1/2" x 7/8" 40Z Grit, T-29 Z-S Regular (Flap Disc)	Stainless Steel	10	10
31054	4 1/2" x 7/8" 60Z Grit, T-29 Z-S Regular (Flap Disc)	Stainless Steel	10	10
31055	4 1/2" x 7/8" 80Z Grit, T-29 Z-S Regular (Flap Disc)	Stainless Steel	10	10
48012	4 1/2" x 7/8" 36A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48015	4 1/2" x 7/8" 60A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48016	4 1/2" x 7/8" 80A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48022	5" x 7/8" 36A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48025	5" x 7/8" 60A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48026	5" x 7/8" 80A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48031	7" x 7/8" 24A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48032	7" x 7/8" 36A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48035	7" x 7/8" 60A/O Grit (Resin Fibre Disc)	General Purpose	25	25
48102	4 1/2" x 7/8" 36Z Grit (Resin Fibre Disc)	Stainless Steel	25	25
48105	4 1/2" x 7/8" 60Z Grit (Resin Fibre Disc)	Stainless Steel	25	25
48112	5" x 7/8" 36Z Grit (Resin Fibre Disc)	Stainless Steel	25	25
48121	7" x 7/8" 24Z Grit (Resin Fibre Disc)	Stainless Steel	25	25
48122	7" x 7/8" 36Z Grit (Resin Fibre Disc)	Stainless Steel	25	25
39908	1" x 1" x 1/4" Shank 60A/O Grit (Flap Wheel)	General Purpose	10	10
39909	1" x 1" x 1/4" Shank 80A/O Grit (Flap Wheel)	General Purpose	10	10
39932	2" x 1" x 1/4" Shank 60A/O Grit (Flap Wheel)	General Purpose	10	10
39933	2" x 1" x 1/4" Shank 80A/O Grit (Flap Wheel)	General Purpose	10	10
39948	3" x 1" x 1/4" Shank 60A/O Grit (Flap Wheel)	General Purpose	10	10
39949	3" x 1" x 1/4" Shank 80A/O Grit (Flap Wheel)	General Purpose	10	10
99021	8" x 23" Vinyl Header	Adhesive Strip	1	1
99022	23" x 48" Vinyl Header	with Push Pins	1	1

UPC	PAGE #	UPC	PAGE #	UPC	PAGE #	UPC	PAGE #
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30005	12	31264	10	35078	38	35602	34
30006	12	31265	10	35080	38	35603	35
30011	12	35000	37	35084	38	35604	35
30012	12	35002	37	35085	38	35605	35
30014	12	35003	37	35086	38	35606	35
30015	12	35004	37	35088	38	35608	35
30016	12	35005	37	35089	38	35609	24
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30022	12	35007	37	35092	38	35611	27
30024	12	35008	37	35093	38	35612	24
30025	12	35009	37	35094	38	35613	24
30026	12	35010	37	35095	38	35614	24
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30035	12	35014	37	35099	38	35618	24
30036	12	35015	37	35100	38	35619	24
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31012	10	35017	37	35102	38	35621	27
31014	10	35018	37	35104	38	35622	27
31015	10	35019	37	35105	38	35623	27
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31032	10	35023	37	35110	38	35627	27
31034	10	35024	37	35112	38	35628	27
31035	10	35025	37	35113	38	35629	27
31052	10	35028	37	35114	38	35630	24
31054	10	35029	37	35500	29	35631	24
31055	10	35031	37	35501	29	35632	27
31062	10	35032	37	35502	29	35633	27
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31065	10	35034	37	35504	29	35635	24
31072	10	35035	37	35505	29	35636	24
31074	10	35036	37	35506	29	35637	24
31075	10	35037	37	35507	29	35638	24
31092	10	35038	37	35508	29	35639	24
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31095	10	35040	37	35510	29	35641	28
31102	10	35041	37	35511	29	35642	28
31104	10	35042	37	35512	29	35643	28
31105	10	35044	37	35513	29	35644	28
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31144	10	35053	37	35575	32	35652	24
31145	10	35054	37	35576	32	35653	24
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31172	10	35056	38	35578	31	35655	28
31174	10	35057	38	35579	31	35656	28
31175	10	35058	38	35580	31	35657	28
31182	10	35059	38	35581	31	35658	28
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31204	10	35064	38	35586	31	35662	25
31205	10	35065	38	35587	34	35663	25
31212	10	35066	38	35589	34	35664	25
31214	10	35067	38	35590	34	35665	25
31215	10	35068	38	35592	34	35666	25
31232	10	35069	38	35593	35	35667	25
31234	10	35070	38	35595	35	35670	32
31235	10	35071	38	35596	35	35671	24
31242	10	35073	38	35598	35	35672	27

UPC	PAGE #	UPC	PAGE #	UPC	PAGE #	UPC	PAGE #
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35676	24	36108	27	38031	38	38562	37
35677	28	36109	27	38032	38	38611	39
35678	28	36110	27	38033	38	38612	39
35679	25	36111	28	38034	38	38613	39
35680	25	36112	28	38035	38	38616	39
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35682	25	36114	34	38038	38	38622	39
35683	25	36115	34	38039	38	38623	39
35685	32	36122	33	38041	38	38626	39
35686	32	36123	33	38042	38	38661	39
35687	29	36124	33	38043	38	38662	39
35688	29	36125	33	38044	38	38663	39
35689	29	36126	34	38046	38	38666	39
35690	29	36133	32	38047	38	38701	39
35691	29	36142	34	38048	38	38702	39
35830	13	36143	34	38049	38	38703	39
35831	13	36144	34	38050	38	38706	39
35832	13	36145	34	38051	38	39202	11
35833	13	36146	35	38052	38	39204	11
35834	13	36147	35	38053	38	39205	11
35835	13	36153	31	38054	38	39212	11
35836	13	36301	22	38055	38	39214	11
35837	13	36302	22	38111	39	39215	11
35838	13	37098	18	38113	39	39242	11
35839	13	37099	18	38114	39	39244	11
35840	13	37100	18	38116	39	39245	11
35841	13	37510	27	38121	39	39252	11
35842	13	37520	27	38123	39	39254	11
35843	13	37525	27	38124	39	39255	11
35844	13	37530	27	38126	39	39400	11
35845	13	37531	27	38161	39	39401	11
35846	13	37535	27	38163	39	39402	11
35847	13	37540	28	38164	39	39404	11
35900	36	37543	27	38166	39	39405	11
35901	36	37545	28	38201	39	39406	11
35950	40	37550	28	38203	39	39410	11
35951	40	37555	28	38204	39	39411	11
35953	40	37573	30	38206	39	39412	11
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36067	40	38024	37	38529	38	39604	11
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36104	28	38027	38	38533	38	39804	11

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41007	.19	42306	.8	42571	.8	45043	.24
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UPC	PAGE #	UPC	PAGE #	UPC	PAGE #	UPC	PAGE #
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48021	.14	48226	.13 & 17	52322	.9	56014	.12
48022	.14	48227	.29	52324	.9	56015	.12
48024	.14	48228	.28	52325	.9	56016	.12
48025	.14	48229	.13 & 17	52331	.9	56017	.12
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48221	.13 & 17	51005	.38	56007	.12		
48222	.13 & 17	51006	.38	56008	.12		
48223	.13 & 17	51007	.38	56009	.12		
48224	.13 & 17	51008	.38	56012	.12		