



Quality, Performance & Value.

PRECISION & ROUGH GRINDING | CUTTING | FINISHING | BLENDING

2024 PRODUCT CATALOG



Quality, Performance & Value.

WHO IS CGW ABRASIVES?

OUR STORY

Founded in Israel in 1956. Established U.S. operations in 1990.

We are oSa certified and proud to maintain the highest quality in our manufacturing standards. Leading manufacturer of premium grinding wheels, cutting wheels, flap discs, coated abrasives, and vitrified products. We also do private label programs for many of our North American customers. We offer both price point and premium products in all categories.



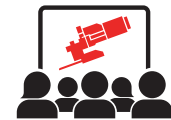
97%
Fill Rate



Stock Items Ship Within
24 Hours



2,000+
Active Stock Items



Product Training Centers
Located in Chicago, IL
and Los Angeles, CA



World Class
Product Testing Labs
Competitive &
Performance Testing



Expert
R&D
Committed to Ongoing Product
Additions and Category Expansions



Adheres to
3 Safety Standards
ANSI, oSa &
Israeli Standards Institute



ISO 9000
Compliant

60+ YEARS
EXPERIENCE

SOLD IN OVER
50 COUNTRIES

CGW Abrasives has more than 60 years of experience and sells products in more than 50 countries. Active in various industries, including:

- Metal Fabrication
- Construction
- Industrial
- Automotive
- MRD
- Aerospace
- Marine
- General Metal Working

CGW IS WORLDWIDE



OUR COMPANY

- 3 manufacturing plants in Chicago, California and Israel; Approximately 400,000 sq. ft. total
- Training facilities in Chicago & California



OUR PEOPLE

- Over 300 employees
- Extensive field sales and technical application support



RESEARCH & SERVICES

- R&D: large technical staff; world-class testing facilities
- 2,000+ stock items that ship same day/next day



OUR PROMISE

- Quality products
- Superior performance
- Value you can trust



SAFETY & MANUFACTURING

All products are recognized by the highest safety and manufacturing standards:



RETAIL MERCHANDISING

CGW Abrasives offers a full line of merchandising options that helps to organize your specific product mix. Our display systems are designed to make your customers shopping experience clean and easy. From signage to point of sale... we have you covered.

We also recognize that no one solution fits the needs of every retail setting. If you need something specific, please reach out to your CGW representative for help.

POP Available

Contact Your
CGW Representative

COMING IN 2024

The CGW Vending Machine

Perfect for inventory control on worksites.

Tower Display

14" W x 60" H | Holds Up to 432 qty 4.5 In Flap Discs

Wall System

48" W x 67" H | Planogram Assistance Available

Banner

48" W x 24" H

Banner Stands

24" W x 79" H



eXtreme II Point of Sale

7.5" W x 9.5" H x 9.5" D | Holds up to 30 Flap Discs

Tabletop Display

14" W x 20" H | Holds up to 144 Qty 4.5" Flap Discs



IN-PERSON PRODUCT TRAINING

Join us at our Niles, IL headquarters for in-person training classes.

Topics covered include:

- Cut-off Wheels
- Grinding Wheels
- Flap Discs
- Vitrified Products
- Belts
- Discs

Spend a day and a half working with our extremely knowledgeable sales team to learn all about our products, features and benefits, as well as how to effectively sell our products. Training includes classroom training and hands-on training.

Meals & hotel accommodations will be covered by CGW. Attendees are responsible for transportation, however transportation to and from the hotel on training days will be provided as requested.



INTERESTED IN ATTENDING?

Contact your local rep or tim.brown@cgwabrasives.com for current training dates.

SALES & MARKETING SUPPORT

Get the most out of partnering with the world's leading abrasives manufacturer. CGW has a full range of resources available to our customers. Social, SEO, SEM??? What do you need, what don't you need? We can help! Our marketing specialists are here to assist you with everything from website development to direct mail.



ADVERTISEMENTS & FLYERS

CGW's in-house design team can develop custom flyers, newsletters or shoppers to advertise or educate CGW products to your customer base.



WEBSITE & DIGITAL MARKETING SERVICES

Need website help or looking start a digital marketing program? The CGW Marketing team has the expertise to help you sell online!



FIELD SUPPORT

A team of knowledgeable abrasive experts available for field support, training and application assistance. CGW has representatives strategically located across the country readily available to support your existing sales and retail staff.



ANALYTICS & TRACKING

What advertising campaign is complete without tracking? From your first to last touch CGW can help track your complete customer journey and ROI with in-depth analytics.



OTHER SERVICES

- Targeted display and video
- Amazon Ads
- E-mail Marketing
- Data Lists
- Newsletters/ Shoppers

Contact one of our Marketing Specialists today for your complimentary marketing consultation!

1-800-447-4248

Nathan Dehut

Areas of Expertise: Sales, Retail Marketing, Radio/Telecommunications

Education: B.S. Business/Marketing

email: nathan.dehut@cgwabrasives.com

Tim Brown

Area of Expertise: Retail Sales, Merchandising, Customer Service

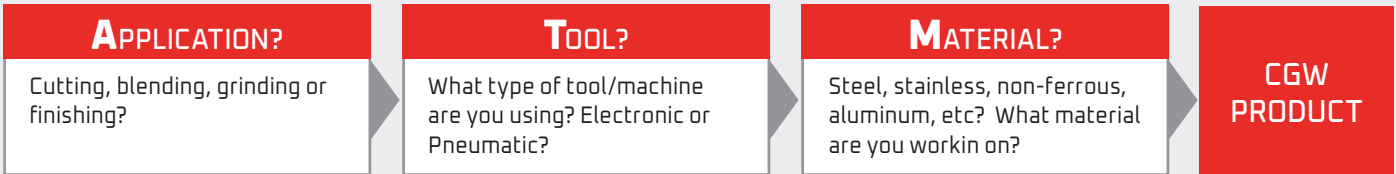
Education: M.B.A. Business/Marketing

email: tim.brown@cgwabrasives.com

CGW IS HERE TO HELP!

APPLICATION QUESTIONS? A-T-M

Just answer these simple questions (**A-T-M**) and we will quickly recommend the CGW product for any application.



ADDITIONAL CGW FIELD SALES SUPPORT

70+ reps located across the country to help serve you.

- Tool recommendations
- Cost analysis
- Process improvements
- Safety training
- Abrasive training

**Sales Support
1-800-447-4248**

CGW APPAREL



CGW American Flag Cap
Multiple Sizes Available



Building Momentum
Black & White Trucker Cap
Multiple Sizes Available



Rise & Grind White Pull Over Hoodie
Multiple Sizes Available



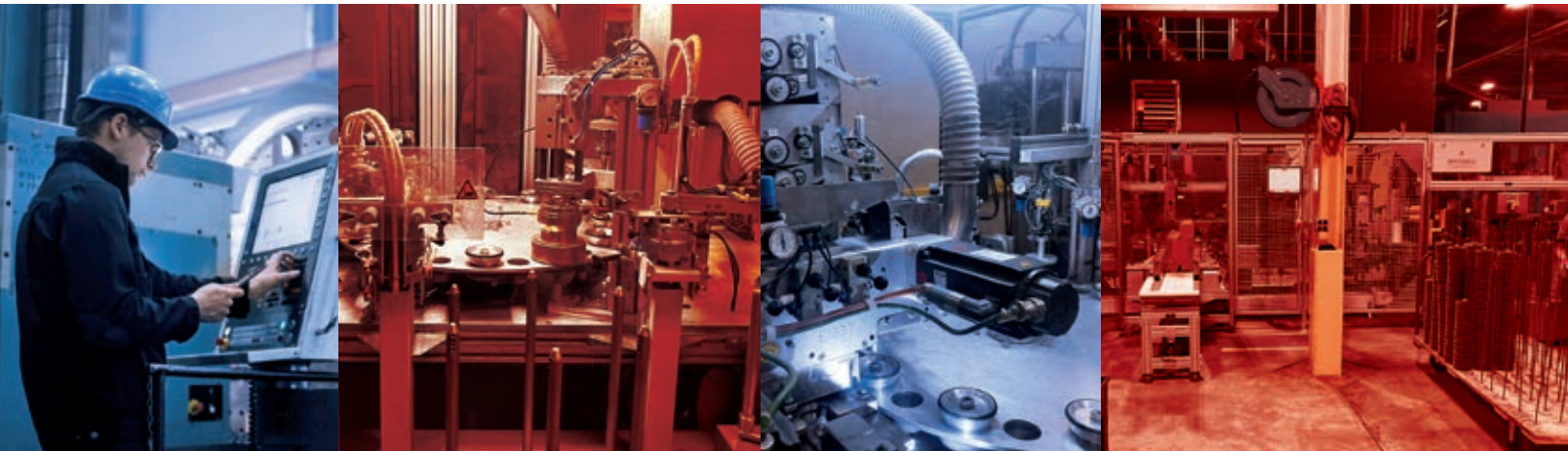
Every Cut Counts
Multiple Sizes Available

MANUFACTURING FACILITIES



CGW is one of the countries leading abrasives manufacturers. Two facilities within the USA producing over 20,000,000 abrasive products a year.

- Manufactured in the USA
- High-tech Automated Assembly
- State-of-the-art Performance Testing Facilities
- Engineered In-house
- In-house Packaging
- OEM Pricing



ABRASIVE SAFETY TRAINING

CGW offers a comprehensive FREE on-site safety training.

Thousands of angle grinder related injuries are reported each year, injuries that could have been prevented.

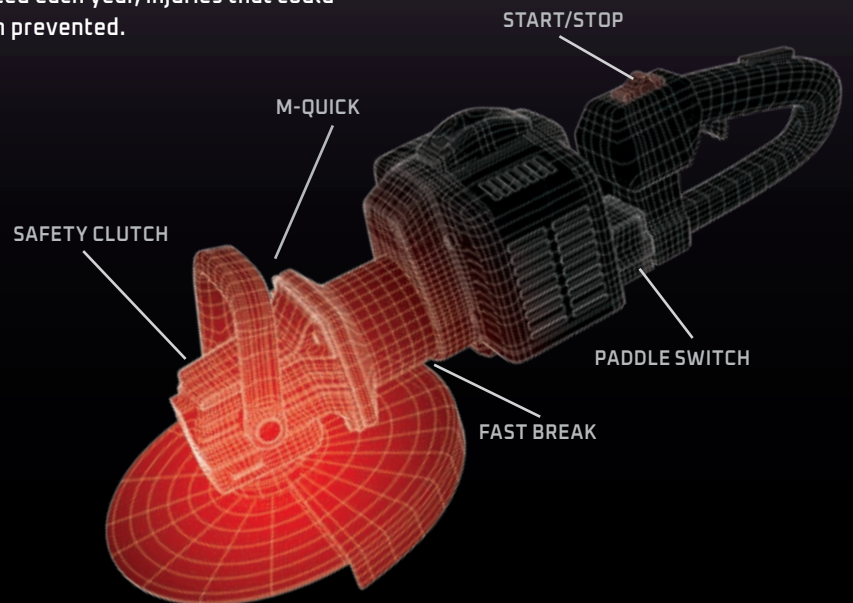
Learn why accidents happen and how to **avoid them**.

1. Fatigue
2. Rushing to finish a job
3. Lack of awareness of the potential risks
4. Use of the wrong tool or wrong accessories

Accidents Happen... F A S T !

CGW Safety training can help identify warning signs and keep your staff safe.

Reach out to tim.brown@cgwabrasives to schedule your **FREE on-site training** today!



CGW PRODUCT HIGHLIGHTS

 <p>FLAP DISCS & SPECIALTY FLAP DISCS</p>	 <p>SURFACE CONDITIONING</p>	 <p>SEMI-FLEX DISCS</p>	 <p>FIBER DISCS</p>
14 	21 	25 	26 
 <p>QUICK CHANGE DISCS</p>	 <p>FLAP WHEELS</p>	 <p>LIGHTNING CUT</p>	 <p>NEW EXTREME SAW BLADE</p>
29 	33 	40 	41 
 <p>CUTTING WHEELS</p>	 <p>GRINDING WHEELS</p>	 <p>RESIN CONES, PLUGS, CUP WHEELS</p>	 <p>DIAMOND WHEELS</p>
42 	51 	60 	61 
 <p>CGW EXPRESS</p>	 <p>SANDING DISCS</p>	 <p>SHOP ROLLS</p>	 <p>SHEET & HAND PADS</p>
66 	68 	74 	75 
 <p>BELTS</p>	 <p>WIRE BRUSHES</p>	 <p>PRECISION GRINDING VITRIFIED WHEELS</p>	 <p>TOOL & CUTTER WHEELS</p>
77 	80 	93 	109 





BLENDING/LIGHT GRINDING/POLISHING CONTENT

FLAP DISCS	14
SPECIALTY FLAP DISCS	18
BUFFING/SURFACE PREP DISCS	22
SEMI-FLEX DISCS	25
FIBER DISCS	26
QUICK CHANGE DISCS	29
FLAP WHEELS	33



FEATURED PRODUCT

Extreme II

The sharpest flap disc on the market.

- Longer Lasting
- Precise
- High Removal Rate

PAGE 12

CGW FLAP DISCS REMOVE

**25%
MORE**

MATERIAL THAN OUR CLOSEST COMPETITOR

READING FLAP DISC SPECIFICATIONS



MAXIMUM OPERATING SPEED

80 m/s, MAX.
13,300 R.P.M.

ABRASIVE GRAIN GUIDE

Zirconia

WHEEL SIZE

4-1/2" x 7/8"
WIDTH ARBOR

GRIT

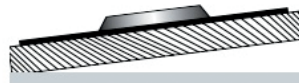
40 G

TYPE

T-27

GRAIN SIZE	
COARSE	8, 10, 12, 14, 16, 20, 24
MEDIUM	30, 36, 40, 46, 54, 60
FINE	80, 100, 120, 150, 180
VERY FINE	220, 240, 320, 400, 600

TYPE 27



GRIND AT FLATTER ANGLES:
0° - 15°

TYPE 29



GRIND AT STEEPER ANGLES:
15° - 25°

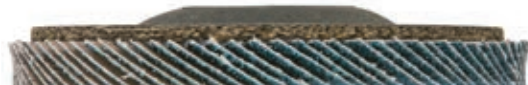
REGULAR

Firm grip and softer feel



XL

More Flaps and 35% more life

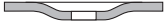




POLISHING/LIGHT GRINDING ICONS EXPLAINED

WHEEL TYPES

Type 27



Depressed center cut-off wheel for more versatile applications

Type 29



Depressed center with a curved angle ideal for steeper applications

TOOL TYPES



DIE GRINDER FASTENING TYPES



Roll-On



Turn-On

CERTIFICATIONS



Contaminant free certification for rust & corrosion free results



All Flap Discs are made by CGW at our Chicagoland plant

FLAP DISCS



BEST

BEST PRODUCTIVITY



BETTER

BEST SELLER



GOOD

BEST VALUE

FLAP DISC APPLICATION CHART

Grain	Steel	Stainless Steel	Aluminum	Copper	Bronze	All-Purpose
PSG	●	●				●
Zirconia	●	●				●
Aluminum W/ Grinding Aid			●	●	●	

●=Maximum Output

●=Ideal Output

EXTREME II FLAP DISC

- X Longer Lasting**
- X Fast Cutting**
- X High Removal Rate**

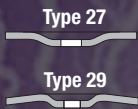
Precision Shaped Grain



The sharpest flap disc on the market. Precision Shaped Grain (PSG) stays sharper longer for more productivity. The result is a cooler, faster & more durable cut.

25%
MORE DISC LIFE
THAN OUR NEAREST COMPETITOR

34%
MORE MATERIAL REMOVAL
THAN OUR NEAREST COMPETITOR

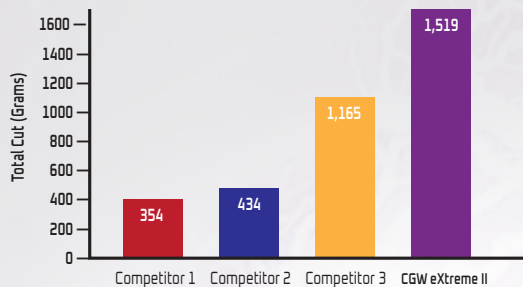


**USA
MADE**



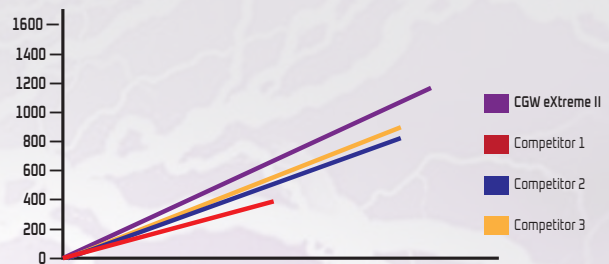
Material Removal Comparison

eXtreme II, plastic back flap discs, out-performs and removes more material than the competition



Disc Life Comparison

eXtreme II, by CGW Abrasives lasts longer than the competition



CGW 
ABRASIVES

METAL

80 M/S, MAX.

EXTREME II FLAP DISCS

eXtreme II PSG Type 27 Regular				
UPC	Size	Grit	RPM	Box Qty
42840	4-1/2 x 7/8	36	13,300	10
42841	4-1/2 x 7/8	40	13,300	10
42842	4-1/2 x 7/8	60	13,300	10
42843	4-1/2 x 7/8	80	13,300	10
43840	4-1/2 x 5/8-11	36	13,300	10
43841	4-1/2 x 5/8-11	40	13,300	10
43842	4-1/2 x 5/8-11	60	13,300	10
43843	4-1/2 x 5/8-11	80	13,300	10
43880	5 x 7/8	36	12,200	10
43881	5 x 7/8	40	12,200	10
43882	5 x 7/8	60	12,200	10

eXtreme II PSG Type 27 XL				
UPC	Size	Grit	RPM	Box Qty
42860	4-1/2 x 7/8	36	13,300	10
42861	4-1/2 x 7/8	40	13,300	10
42862	4-1/2 x 7/8	60	13,300	10
42863	4-1/2 x 7/8	80	13,300	10
43860	4-1/2 x 5/8-11	36	13,300	10
43861	4-1/2 x 5/8-11	40	13,300	10
43862	4-1/2 x 5/8-11	60	13,300	10
43863	4-1/2 x 5/8-11	80	13,300	10
43900	5 x 7/8	36	12,200	10
43901	5 x 7/8	40	12,200	10
43902	5 x 7/8	60	12,200	10

eXtreme II PSG Type 29 Regular				
UPC	Size	Grit	RPM	Box Qty
42851	4-1/2 x 7/8	40	13,300	10
42852	4-1/2 x 7/8	60	13,300	10
42853	4-1/2 x 7/8	80	13,300	10
43851	4-1/2 x 5/8-11	40	13,300	10
43852	4-1/2 x 5/8-11	60	13,300	10
43853	4-1/2 x 5/8-11	80	13,300	10

eXtreme II PSG Type 29 XL				
UPC	Size	Grit	RPM	Box Qty
42871	4-1/2 x 7/8	40	13,300	10
42872	4-1/2 x 7/8	60	13,300	10
42873	4-1/2 x 7/8	80	13,300	10
43871	4-1/2 x 5/8-11	40	13,300	10
43872	4-1/2 x 5/8-11	60	13,300	10
42873	4-1/2 x 5/8-11	80	13,300	10

EXTREME II PLASTIC FLAP DISCS

eXtreme II PSG Plastic Back Regular				
UPC	Size	Grit	RPM	Box Qty
42881	4-1/2" x 5/8-11	40	13,300	10
42882	4-1/2" x 5/8-11	60	13,300	10
42883	4-1/2" x 5/8-11	80	13,300	10
43911	5" x 5/8-11	40	12,200	10
43912	5" x 5/8-11	60	12,200	10
43913	5" x 5/8-11	80	12,200	10
43921	6" x 5/8-11	40	10,200	10
43922	6" x 5/8-11	60	10,200	10
43923	6" x 5/8-11	80	10,200	10



eXtreme

C3 CERAMIC FLAP DISCS

BEST

CERAMIC

- Self-sharpening high performance ceramic grain with a grinding aid for fast, aggressive cutting action.
- Ceramic flap discs are designed to last longer than zirconia flap discs.
- Polyester backing material for extra long life.
- Ceramic grain provides Contaminant-Free results; stainless steel will not rust.
- For steel and stainless and other heat sensitive materials.



7/8 arbor

5/8-11 hub



eXtreme | Ceramic | Type 27 | Regular

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
42401	4-1/2 x 7/8	36	13,300	10	42801	7 x 7/8	36	8,600	10
42402	4-1/2 x 7/8	40	13,300	10	42802	7 x 7/8	40	8,600	10
42404	4-1/2 x 7/8	60	13,300	10	42804	7 x 7/8	60	8,600	10
42405	4-1/2 x 7/8	80	13,300	10	42805	7 x 7/8	80	8,600	10
42411	4-1/2 x 5/8-11	36	13,300	10	42811	7 x 5/8-11	36	8,600	10
42412	4-1/2 x 5/8-11	40	13,300	10	42812	7 x 5/8-11	40	8,600	10
42414	4-1/2 x 5/8-11	60	13,300	10					
42415	4-1/2 x 5/8-11	80	13,300	10					

Type 27 XL



eXtreme | Ceramic | Type 27 | XL

UPC	Size	Grit	RPM	Box Qty
42441	4-1/2 x 7/8	36	13,300	10
42442	4-1/2 x 7/8	40	13,300	10
42444	4-1/2 x 7/8	60	13,300	10
42445	4-1/2 x 7/8	80	13,300	10
42451	4-1/2 x 5/8-11	36	13,300	10
42452	4-1/2 x 5/8-11	40	13,300	10
42454	4-1/2 x 5/8-11	60	13,300	10
42455	4-1/2 x 5/8-11	80	13,300	10

Type 29



eXtreme | Ceramic | Type 29 | Regular

UPC	Size	Grit	RPM	Box Qty
42821	7 x 7/8	36	8,600	10
42822	7 x 7/8	40	8,600	10
42831	7 x 5/8-11	36	8,600	10
42832	7 x 5/8-11	40	8,600	10



eXtra

Z3® ZIRCONIA FLAP DISCS

BETTER ZIRCONIA

- Premium Zirconia alumina grain on a poly/cotton backing. The poly/cotton combination provides both durability and finish while the Zirconia grain provides high stock removal.
- Fastest stock removal in the marketplace for steel applications.
- Recommended for aggressive use and heavy-duty applications.
- Active grinding aid provides cool cutting with light pressure.



XL flap disc, T27



Regular flap disc, T29

Type 27 **USA MADE** **CFI** CONTAMINANT-FREE Iron, Sulfur, and Chlorine ≤ 0.1% Right Angle Grinder

eXtra Zirconia Type 27 Regular									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
42102	4 x 5/8	36	15,300	10	42505	5 x 7/8	80	12,200	10
42103	4 x 5/8	40	15,300	10	42511	5 x 5/8-11	36	12,200	10
42104	4 x 5/8	60	15,300	10	42512	5 x 5/8-11	40	12,200	10
42105	4 x 5/8	80	15,300	10	42514	5 x 5/8-11	60	12,200	10
42106	4 x 5/8	120	15,300	10	53001	6 x 7/8	36	10,200	10
42112	4 x 3/8-24	40	15,300	10	53002	6 x 7/8	40	10,200	10
42114	4 x 3/8-24	60	15,300	10	53004	6 x 7/8	60	10,200	10
42300	4-1/2 x 7/8	24	13,300	10	53006	6 x 7/8	120	10,200	10
42301	4-1/2 x 7/8	36	13,300	10	53011	6 x 5/8-11	36	10,200	10
42302	4-1/2 x 7/8	40	13,300	10	53012	6 x 5/8-11	40	10,200	10
42304	4-1/2 x 7/8	60	13,300	10	53114	6 x 5/8-11	60	10,200	10
42305	4-1/2 x 7/8	80	13,300	10	53015	6 x 5/8-11	80	10,200	10
42306	4-1/2 x 7/8	120	13,300	10	42701	7 x 7/8	36	8,600	10
42310	4-1/2 x 5/8-11	24	13,300	10	42702	7 x 7/8	40	8,600	10
42311	4-1/2 x 5/8-11	36	13,300	10	42704	7 x 7/8	60	8,600	10
42312	4-1/2 x 5/8-11	40	13,300	10	42705	7 x 7/8	80	8,600	10
42314	4-1/2 x 5/8-11	60	13,300	10	42706	7 x 7/8	120	8,600	10
42315	4-1/2 x 5/8-11	80	13,300	10	42711	7 x 5/8-11	36	8,600	10
42316	4-1/2 x 5/8-11	120	13,300	10	42712	7 x 5/8-11	40	8,600	10
42501	5 x 7/8	36	12,200	10	42714	7 x 5/8-11	60	8,600	10
42502	5 x 7/8	40	12,200	10	42715	7 x 5/8-11	80	8,600	10
42504	5 x 7/8	60	12,200	10	42716	7 x 5/8-11	120	8,600	10

eXtra Z3® ZIRCONIA FLAP DISCS CONT'D



eXtra Zirconia Type 27 XL									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
42142	4 x 5/8	40	15,300	10	42545	5 x 7/8	80	12,200	10
42144	4 x 5/8	60	15,300	10	42551	5 x 5/8-11	36	12,200	10
42145	4 x 5/8	80	15,300	10	42552	5 x 5/8-11	40	12,200	10
42146	4 x 5/8	120	15,300	10	42554	5 x 5/8-11	60	12,200	10
42341	4-1/2 x 7/8	36	13,300	10	53041	6 x 7/8	36	10,200	10
42342	4-1/2 x 7/8	40	13,300	10	53042	6 x 7/8	40	10,200	10
42344	4-1/2 x 7/8	60	13,300	10	53044	6 x 7/8	60	10,200	10
42345	4-1/2 x 7/8	80	13,300	10	53045	6 x 7/8	80	10,200	10
42346	4-1/2 x 7/8	120	13,300	10	53051	6 x 5/8-11	36	10,200	10
42351	4-1/2 x 5/8-11	36	13,300	10	53052	6 x 5/8-11	40	10,200	10
42352	4-1/2 x 5/8-11	40	13,300	10	53054	6 x 5/8-11	60	10,200	10
42354	4-1/2 x 5/8-11	60	13,300	10	53056	6 x 5/8-11	120	10,200	10
42355	4-1/2 x 5/8-11	80	13,300	10	42742	7 x 7/8	40	8,600	10
42356	4-1/2 x 5/8-11	120	13,300	10	42744	7 x 7/8	60	8,600	10
42541	5 x 7/8	36	12,200	10	42745	7 x 7/8	80	8,600	10
42542	5 x 7/8	40	12,200	10	42752	7 x 5/8-11	40	8,600	10
42544	5 x 7/8	60	12,200	10	42754	7 x 5/8-11	60	8,600	10



eXtra Zirconia Type 29 Regular									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
42121	4 x 5/8	36	15,300	10	42532	5 x 5/8-11	40	12,200	10
42122	4 x 5/8	40	15,300	10	42534	5 x 5/8-11	60	12,200	10
42124	4 x 5/8	60	15,300	10	53021	6 x 7/8	36	10,200	10
42125	4 x 5/8	80	15,300	10	53022	6 x 7/8	40	10,200	10
42321	4-1/2 x 7/8	36	13,300	10	53024	6 x 7/8	60	10,200	10
42322	4-1/2 x 7/8	40	13,300	10	53025	6 x 7/8	80	10,200	10
42324	4-1/2 x 7/8	60	13,300	10	53032	6 x 5/8-11	40	10,200	10
42325	4-1/2 x 7/8	80	13,300	10	53034	6 x 5/8-11	60	10,200	10
42326	4-1/2 x 7/8	120	13,300	10	53035	6 x 5/8-11	80	10,200	10
42331	4-1/2 x 5/8-11	36	13,300	10	42721	7 x 7/8	36	8,600	10
42332	4-1/2 x 5/8-11	40	13,300	10	42722	7 x 7/8	40	8,600	10
42334	4-1/2 x 5/8-11	60	13,300	10	42724	7 x 7/8	60	8,600	10
42335	4-1/2 x 5/8-11	80	13,300	10	42725	7 x 7/8	80	8,600	10
42521	5 x 7/8	36	12,200	10	42731	7 x 5/8-11	36	8,600	10
42522	5 x 7/8	40	12,200	10	42732	7 x 5/8-11	40	8,600	10
42524	5 x 7/8	60	12,200	10	42734	7 x 5/8-11	60	8,600	10
42525	5 x 7/8	80	12,200	10	42735	7 x 5/8-11	80	8,600	10



eXtra Z3® ZIRCONIA FLAP DISCS CONT'D



eXtra Zirconia Type 29 XL									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
42161	4 x 5/8	36	15,300	10	42564	5 x 7/8	60	12,200	10
42162	4 x 5/8	40	15,300	10	42565	5 x 7/8	80	12,200	10
42164	4 x 5/8	60	15,300	10	42572	5 x 5/8-11	40	12,200	10
42165	4 x 5/8	80	15,300	10	42574	5 x 5/8-11	60	12,200	10
42361	4-1/2 x 7/8	36	13,300	10	42575	5 x 5/8-11	80	12,200	10
42362	4-1/2 x 7/8	40	13,300	10	53061	6 x 7/8	36	10,200	10
42364	4-1/2 x 7/8	60	13,300	10	53062	6 x 7/8	40	10,200	10
42365	4-1/2 x 7/8	80	13,300	10	53064	6 x 7/8	60	10,200	10
42366	4-1/2 x 7/8	120	13,300	10	53065	6 x 7/8	80	10,200	10
42371	4-1/2 x 5/8-11	36	13,300	10	53072	6 x 5/8-11	40	10,200	10
42372	4-1/2 x 5/8-11	40	13,300	10	53074	6 x 5/8-11	60	10,200	10
42374	4-1/2 x 5/8-11	60	13,300	10	53075	6 x 5/8-11	80	10,200	10
42375	4-1/2 x 5/8-11	80	13,300	10	42772	7 x 5/8-11	36	8,600	10
42561	5 x 7/8	36	12,200	10	42774	7 x 5/8-11	40	8,600	10
42562	5 x 7/8	40	12,200	10	42762	7 x 7/8	40	8,600	10

Fast Cut Z-PC FLAP DISCS

GOOD ZIRCONIA-BLEND

- Zirconia grain with a poly/cotton backing. The poly/cotton backing provides both durability and finish strength.
- For steel applications.




Fast Cut Zirconia Blend Type 27 Regular				
UPC	Size	Grit	RPM	Box Qty
41702	4-1/2 x 7/8	40	13,300	10
41704	4-1/2 x 7/8	60	13,300	10
41705	4-1/2 x 7/8	80	13,300	10
41712	4-1/2 x 5/8-11	40	13,300	10
41714	4-1/2 x 5/8-11	60	13,300	10
41715	4-1/2 x 5/8-11	80	13,300	10

Fast Cut Zirconia Blend Type 27 XL				
UPC	Size	Grit	RPM	Box Qty
41742	4-1/2 x 7/8	40	13,300	10
41744	4-1/2 x 7/8	60	13,300	10
41745	4-1/2 x 7/8	80	13,300	10
41752	4-1/2 x 5/8-11	40	13,300	10
41754	4-1/2 x 5/8-11	60	13,300	10


Fast Cut Z-PC FLAP DISCS CONT'D

Type 29



Fast Cut Zirconia Blend Type 29 Regular				
UPC	Size	Grit	RPM	Box Qty
41722	4-1/2 x 7/8	40	13,300	10
41724	4-1/2 x 7/8	60	13,300	10
41725	4-1/2 x 7/8	80	13,300	10
41732	4-1/2 x 5/8-11	40	13,300	10
41734	4-1/2 x 5/8-11	60	13,300	10
41735	4-1/2 x 5/8-11	80	13,300	10

Type 29 XL



Fast Cut Zirconia Blend Type 29 XL				
UPC	Size	Grit	RPM	Box Qty
41762	4-1/2 x 7/8	40	13,300	10
41764	4-1/2 x 7/8	60	13,300	10
41765	4-1/2 x 7/8	80	13,300	10
41772	4-1/2 x 5/8-11	40	13,300	10
41774	4-1/2 x 5/8-11	60	13,300	10

ALL PURPOSE FLAP DISCS

ALUMINUM OXIDE

- Premium Aluminum Oxide grain on a polyester backing.
- A3 can be used on ferrous and non ferrous metals as well as plastics and wood.



All-purpose Flap Discs | Type 27 | Regular

UPC	Size	Grit	RPM	Box Qty
39202	4 x 5/8	40	15,300	10
39204	4 x 5/8	60	15,300	10
39205	4 x 5/8	80	15,300	10
39212	4 x 3/8-24	40	13,300	10
39214	4 x 3/8-24	60	13,300	10
39402	4-1/2 x 7/8	40	13,300	10
39404	4-1/2 x 7/8	60	13,300	10
39405	4-1/2 x 7/8	80	13,300	10
39412	4-1/2 x 5/8-11	40	13,300	10
39414	4-1/2 x 5/8-11	60	13,300	10
39415	4-1/2 x 5/8-11	80	13,300	10

All-purpose Flap Discs | Type 29 | Regular

UPC	Size	Grit	RPM	Box Qty
39422	4-1/2 x 7/8	40	13,300	10
39424	4-1/2 x 7/8	60	13,300	10
39425	4-1/2 x 7/8	80	13,300	10
39432	4-1/2 x 5/8-11	40	13,300	10
39434	4-1/2 x 5/8-11	60	13,300	10
39435	4-1/2 x 5/8-11	80	13,300	10

All-purpose Flap Discs | Type 27 | XL

UPC	Size	Grit	RPM	Box Qty
39442	4-1/2 x 7/8	40	13,300	10
39444	4-1/2 x 7/8	60	13,300	10
39445	4-1/2 x 7/8	80	13,300	10

All-purpose Flap Discs | Type 29 | XL

UPC	Size	Grit	RPM	Box Qty
39462	4-1/2 x 7/8	40	13,300	10
39464	4-1/2 x 7/8	60	13,300	10
39465	4-1/2 x 7/8	80	13,300	10
39472	4-1/2 x 5/8-11	40	13,300	10
39474	4-1/2 x 5/8-11	60	13,300	10
39475	4-1/2 x 5/8-11	80	13,300	10

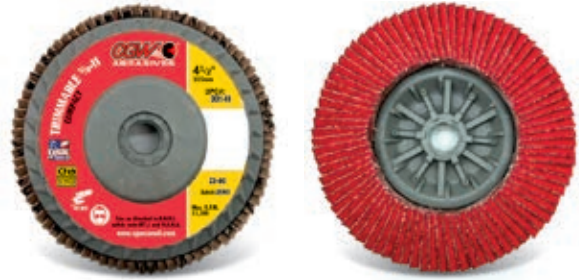


PLASTIC BACKED FLAP DISCS WITH INTERNAL 5/8-11 THREADS

CERAMIC

ZIRCONIA

- **C3 (Ceramic)** has 20% more material than regular flap discs.
- **Z3 (Zirconia)** has 20% more material than regular flap disc.
- Hybrid compact design (4-1/2", 5" and 6") – Flaps are compressed and compacted at a 4 degree angle for edge strength and longer life.



C3 (Ceramic) for aggressive cutting action. Self-sharpening ceramic grain and cool grinding aid. Ideal for hard-to-grind materials including steel and other heat sensitive materials.

Z3® (Zirconia) for fast, long-lasting grinding. Ideal for heavy-duty applications.



Plastic Back Flap Discs Ceramic Grain Regular				
UPC	Size	Grit	RPM	Box Qty
30202	4-1/2 x 5/8-11	40	13,300	10
30204	4-1/2 x 5/8-11	60	13,300	10
30205	4-1/2 x 5/8-11	80	13,300	10
30212	5 x 5/8-11	40	12,200	10
30214	5 x 5/8-11	60	12,200	10
30215	5 x 5/8-11	80	12,200	10
30222	6 x 5/8-11	40	10,200	10
30224	6 x 5/8-11	60	10,200	10
30225	6 x 5/8-11	80	10,200	10

Plastic Back Flap Discs Zirconia XL				
UPC	Size	Grit	RPM	Box Qty
30162	6 x 5/8-11	40	10,000	10
30164	6 x 5/8-11	60	10,000	10

Plastic Back Flap Discs Zirconia Regular				
UPC	Size	Grit	RPM	Box Qty
30142	4-1/2 x 5/8-11	40	13,300	10
30144	4-1/2 x 5/8-11	60	13,300	10
30145	4-1/2 x 5/8-11	80	13,300	10
30146	4-1/2 x 5/8-11	120	13,300	10



ALUMINUM GRINDING W/GRINDING AID

ALUMINUM OXIDE

- Unique design for aluminum and other non-ferrous applications.
- Aluminum Oxide with special treatment of calcium stearate to keep the material cooler and prevent loading with soft materials.



Aluminum Flap Discs Type 27 Regular				
UPC	Size	Grit	RPM	Box Qty
43081	4-1/2 x 7/8	36	13,300	10
43084	4-1/2 x 7/8	60	13,300	10
43091	4-1/2 x 5/8-11	36	13,300	10
43094	4-1/2 x 5/8-11	60	13,300	10
43241	7 x 7/8	36	8,600	10
43251	7 x 5/8-11	36	8,600	10

Aluminum Flap Discs Type 29 Regular				
UPC	Size	Grit	RPM	Box Qty
43101	4-1/2 x 7/8	36	13,300	10
43104	4-1/2 x 7/8	60	13,300	10
43111	4-1/2 x 5/8-11	36	13,300	10
43114	4-1/2 x 5/8-11	60	13,300	10
43181	5 x 7/8	36	12,200	10
43184	5 x 7/8	60	12,200	10

Z3® 2 – 3" MINI FLAP DISCS

ALUMINUM OXIDE

- Z3® Premium Zirconia alumina grain with a poly/cotton backing.
- Active grinding agent provides cool cutting with only light pressure.
- Mini flap discs are designed to access tight areas and reduce heat build-up.
- Roll-On and Turn-On attachment styles for quick disc changes.
- Type 27 shape for smooth finishes.



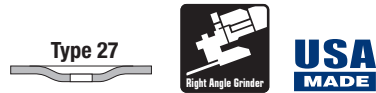
2 -3" Mini Flap Discs Zirconia Type 27					
UPC	Size	Grit	RPM	Box Qty	Holder Pad
30001	2	36	24,000	10	59732
30002	2	40	24,000	10	
30004	2	60	24,000	10	
30005	2	80	24,000	10	
30006	2	120	24,000	10	

2 -3" Mini Flap Discs Zirconia Type 27					
UPC	Size	Grit	RPM	Box Qty	Holder Pad
30011	3	36	24,000	10	59734
30012	3	40	24,000	10	
30014	3	60	24,000	10	
30015	3	80	24,000	10	
30016	3	120	24,000	10	



COTTON/FIBER, ALUMINUM OXIDE, TYPE 27

- General Fabrication, Tank Fabrication (Pharmaceutical, Petro-Chemical, Dairy), Shipbuilding, Food Service.
- Grind and finish with one wheel for long working life.
- Cotton fiber impregnated with aluminum oxide grain and latex bond for superior stainless steel and aluminum blending and finishing.
- Smooth grinding action. Aluminum will not load-up.
- Operates at 3,000 RPM for optimal performance.



Cotton/Fiber, Aluminum Oxide, Type 27				
UPC	Size	Grit	RPM	Box Qty
49549	4-1/2 x 1/4 x 7/8	36	13,300	25
49550	4-1/2 x 5/8-11	36	13,300	10
49600	4-1/2 x 1/4 x 7/8	54	13,300	25

SURFACE CONDITIONING FLAP DISCS

- Premium surface conditioning material for surface preparation.
- Three different grits for blending, deburring, and cleaning.
- For steel and stainless steel.
- **Coarse** discs (brown) are 120 grit, **Medium** discs (maroon) are 180 grit, **Very Fine** discs (blue) are 320 grit.
- Operates at 3,000 RPM for optimal performance.

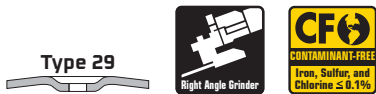


Surface Conditioning Flap Discs, Type 29, Regular									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
70120	4-1/2 x 7/8	Coarse	13,300	10	70187	5 x 7/8	Medium	13,300	10
70121	4-1/2 x 5/8-11	Coarse	13,300	10	70124	4-1/2 x 7/8	Very Fine	13,300	10
70185	5 x 7/8	Coarse	13,300	10	70125	4-1/2 x 5/8-11	Very Fine	13,300	10
70122	4-1/2 x 7/8	Medium	13,300	10	70189	5 x 7/8	Very Fine	13,300	10

INTERLEAF FLAP DISCS

ALUMINUM OXIDE

- Stainless steel finishing, light grinding, deburring.
- Alternating flaps of non-woven and coated abrasive materials provide uniform, consistent finishes with very little heat.
- Top size aluminum oxide poly cotton material for cool, yet fast cutting action for long life.
- Three grit levels of discs for a variety of work including stainless steel, aluminum, brass, steel sheet metal.
- Operates at 3,000 RPM for optimal performance.



Interleaf Flap Discs Type 29 Regular				
UPC	Size	Grit	RPM	Box Qty
49686	4-1/2 x 7/8	Coarse	13,300	10
49689	4-1/2 x 5/8-11	Coarse	13,300	10
49687	4-1/2 x 7/8	Medium	13,300	10
49690	4-1/2 x 5/8-11	Medium	13,300	10
49693	5 x 7/8	Medium	13,300	10
49688	4-1/2 x 7/8	Very Fine	13,300	10
49691	4-1/2 x 5/8-11	Very Fine	13,300	10
49694	5 x 7/8	Very Fine	13,300	10

GRIND AND FINISH WITH ONE DISC – SAVE TIME AND MONEY



COARSE
Brown – 120 grit



MEDIUM
Maroon – 180 grit
Perfect satin finish, achieves #4 finish



VERY FINE
Blue – 320 grit
High mirror polish

EZ STRIP WHEELS

- Non-woven discs for cleaning welds and fast removal of rust, scaling, oxidation, paints, sealants, and other clogging materials.
- EZ strip discs can be used on stainless steel, steel, aluminum, titanium, non-ferrous metals, Fiber glass, stone and wood.
- Red EZ strip discs are more rigid for faster working on angled and irregular surfaces.
- Black EZ strip discs clean and can provide a satin finish.



EZ Strip Wheels											
UPC	Size	Grain	Type	RPM	Box Qty	UPC	Size	Grain	Type	RPM	Box Qty
59204	4-1/2 x 7/8	Aluminum Oxide	Red	11,000	10	59200	4-1/2 x 7/8	Silicon Carbide	Black	11,000	10
59205	4-1/2 x 5/8-11	Aluminum Oxide	Red	11,000	10	59201	4-1/2 x 5/8-11	Silicon Carbide	Black	11,000	10
59208	5 x 7/8	Aluminum Oxide	Red	9,800	10	59210	5 x 7/8	Silicon Carbide	Black	9,800	10
59209	5 x 5/8 x 11	Aluminum Oxide	Red	9,800	10	59211	5 x 5/8 x 11	Silicon Carbide	Black	9,800	10
59206	7 x 7/8	Aluminum Oxide	Red	7,000	10	59202	7 x 7/8	Silicon Carbide	Black	7,000	10
59207	7 x 5/8-11	Aluminum Oxide	Red	7,000	10	59203	7 x 5/8-11	Silicon Carbide	Black	7,000	10

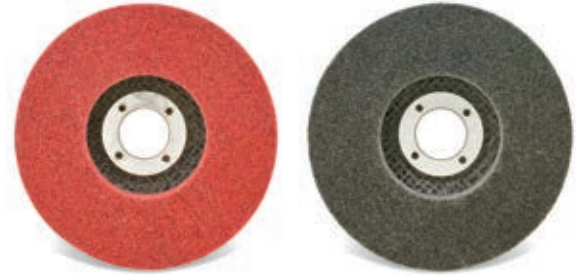


UNITIZED FIBERGLASS BACKED WHEELS

ALUMINUM OXIDE

SILICON CARBIDE

- **Very Fine:** Light pressure for fine finishing and polishing; run at slower speeds for fine finish. Very conformable.
- **Medium Fine:** Light pressure for fine finishing and polishing. Conformable with strong edge durability.



Unitized Fiberglass Wheels Aluminum Oxide Type 27				
UPC	Size	Density	RPM	Box Qty
72070	4-1/2 x 7/8	Very Fine	11,000	10
72072	4-1/2 x 7/8-11	Medium	11,000	10

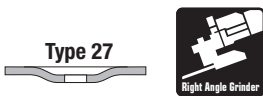
Unitized Fiberglass Wheels Silicon Carbide Type 27				
UPC	Size	Density	RPM	Box Qty
72080	4-1/2 x 7/8	Very Fine	11,000	10
72082	4-1/2 x 7/8	Fine	11,000	10
72084	4-1/2 x 7/8	Medium	11,000	10

PREMIUM UNITIZED RIGHT ANGLE GRINDER WHEELS

ALUMINUM OXIDE

SILICON CARBIDE

- Unitized material on a firm, long lasting backing for use on right angle grinders.
- Easily works on large and small areas to clean, blend, surface finish, and polish.
- For metal, plastic and composite materials.
- Operates at 3,000 RPM for optimal performance.



Premium Unitized Right Angle Grinding Wheels, Silicon Carbide, Type 27				
UPC	Size	Density/Grade	RPM	Box Qty
72050	4-1/2 x 7/8	2/5 Fine	11,000	10
72055	4-1/2 x 5/8-11	2/5 Fine	11,000	10
72053	5 x 7/8	2/5 Fine	11,000	10
72051	4-1/2 x 7/8	3/5 Fine	11,000	10

SURFACE PREPARATION WHEELS

ALUMINUM OXIDE

SILICON CARBIDE

- Non-woven material impregnated with abrasive grains for blending, finishing and removal of paint and rust.
- Blends and smoothes coated abrasive scratch patterns.
- Easily removes welding or cutting discoloration on stainless steel.
- Compact backing minimizes work piece scratches, allows for full use of disc material and softer/buffing-like finishing.
- Use on steel, aluminum, stainless and non-ferrous metals.
- Extremely conformable.
- Operates at 3,000 RPM for optimal performance.



Surface Preps Wheels Aluminum Oxide Type 27				
UPC	Size	Density	RPM	Box Qty
53241	4 x 5/8	Fine	13,700	10
53242	4-1/2 x 7/8	Fine	13,300	10
53243	4-1/2 x 5/8-11	Fine	13,300	10
53244	7 x 7/8	Fine	8,500	10
53245	7 x 5/8-11	Fine	8,500	10
53251	2" Roll-on	Medium	25,000	25
53252	3" Roll-on	Medium	25,000	10

Surface Preps Wheels Silicon Carbide Type 27				
UPC	Size	Density	RPM	Box Qty
53247	4-1/2 x 7/8	Fine	13,300	10
53248	4-1/2 x 5/8-11	Fine	13,300	10

FELT/WOOL DISCS – BUFFING FOR FAST MIRROR FINISHES

- Stainless steel, aluminum, sheet metal mild steel and brass.
- Flexible felt/wool disc easily works with contoured surfaces for consistent polishing action.
- Cool working action without burning.
- Designed for smooth polishing action, 100% virgin wool.



Felt & Wool Buffing Discs Type 27			
UPC	Size	RPM	Box Qty
49698	4-1/2 x 7/8	13,000	10
49699	5 x 7/8	12,200	10



MUST USE WITH BUFFING COMPOUND

BUFFING COMPOUND

- Compounds will not discolor metals.
- White SS51 (1,200 grit) compound helps buff aluminum, steel, stainless and natural stone to the desired finish without adding scratches. High gloss finish.
- Green C-3 (2,000 grit) premium buffing compound works on aluminum, steel and stainless steels and eliminates drag lines while still achieving the desired finish and maximum luster.



Buffing Compound			
UPC	Spec	Grit	Box Qty
49652	White SS51	1,200	1
49653	Green C-3	2,000	1



SEMI-FLEX DISCS – RED FIBER BACKING

SILICON CARBIDE

ALUMINUM OXIDE

- **Silicon Carbide (C)** for aggressive grinding on non-ferrous materials such as: Removing Epoxy, Glue or Urethane, Coatings, Mastiks, Fiberglass (ex: boat hulls), Quartz / Terrazzo / Concrete, Marble, Enamels / Porcelain / Clay.
- **Aluminum Oxide (A)** for metal working and grinding down rough castings. Excellent on materials such as: Cold rolled steel, Stainless steel, Bronze, Aluminum, Iron.



Back-Up Pad Required



Semi-Flex Discs / Red Fiber Backing | Aluminum Oxide | Type 29

UPC	Size	Grit	RPM	Box Qty
35831	4-1/2 x 7/8	24	13,300	25
35832	4-1/2 x 7/8	36	13,300	25
49626	4-1/2 x 7/8	60	13,300	25
35839	7 x 7/8	16	8,600	25
35840	7 x 7/8	24	8,600	25
35841	7 x 7/8	36	8,600	25

Semi-Flex Discs/Flex Red Fiber Backing | Silicon Carbide | Type 29

UPC	Size	Grit	RPM	Box Qty
35833	4-1/2 x 7/8	16	13,300	25
35834	4-1/2 x 7/8	24	13,300	25
35835	4-1/2 x 7/8	36	13,300	25
35836	4-1/2 x 7/8	60	13,300	25
35837	4-1/2 x 7/8	80	13,300	25
35842	7 x 7/8	16	8,600	25
35843	7 x 7/8	24	8,600	25
35844	7 x 7/8	36	8,600	25
35845	7 x 7/8	60	8,600	25

SEMI-FLEX DISCS – RIGID *STRONG, PHENOLIC BACKING*

SILICON CARBIDE

- Rigid phenolic (fiberglass) backing for aggressive grinding applications, stronger than plastic and vulcanized fiber backings.
- Rigid disc design allows for more control when grinding corners and edges.
- No deformation due to use, heat or humidity. Use wet or dry.
No back-up pad needed.



Rigid Semi-Flex Discs | Silicon Carbide | Type 27

UPC	Size	Grit	RPM	Box Qty
49606	4-1/2 x 7/8	16	13,300	25
49608	4-1/2 x 7/8	24	13,300	25
49610	4-1/2 x 7/8	36	13,300	25
49607	4-12 x 5/8-11	16	13,300	10
49609	4-12 x 5/8-11	24	13,300	10
49611	4-12 x 5/8-11	36	13,300	10
49618	7 x 7/8	16	8,600	25

HIGH CONCENTRATE CERAMIC FIBER DISC WITH GRINDING AID

BEST

CERAMIC

- Premium Ceramic grain is extremely hard and self-sharpens during operation. Ceramic grain breaks down with less pressure than Zirconia discs without heat damage.
- Improved grain technology allows for higher stock removal rates and longer product life.
- Advanced grinding aid for cool cutting technology that reduces heat and increases performance.
- Suitable for high pressure grinding applications.



High Concentrate Ceramic Fiber Disc With Grinding Aid

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
59801	4-1/2 x 7/8	24	13,300	25	59807	5 x 7/8	60	12,200	25
59802	4-1/2 x 7/8	36	13,300	25	59808	5 x 7/8	80	12,200	25
59803	4-1/2 x 7/8	60	13,300	25	59809	7 x 7/8	24	8,600	25
59804	4-1/2 x 7/8	80	13,300	25	59810	7 x 7/8	36	8,600	25
59805	5 x 7/8	24	12,200	25	59811	7 x 7/8	60	8,600	25
59806	5 x 7/8	36	12,200	25	59812	7 x 7/8	80	8,600	25

CERAMIC FIBER DISC WITH GRINDING AID

BEST

CERAMIC

- Premium Ceramic grain is extremely hard and self-sharpens during operation.
- Grinding aid keeps the disc cool while grinding hard materials and aluminum.



Ceramic Fiber Disc With Grinding Aid

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
48181	4-1/2 x 7/8	24	13,300	25	48195	5 x 7/8	60	12,200	25
48182	4-1/2 x 7/8	36	13,300	25	48196	5 x 7/8	80	12,200	25
48184	4-1/2 x 7/8	50	13,300	25	48201	7 x 7/8	24	8,600	25
48185	4-1/2 x 7/8	60	13,300	25	48202	7 x 7/8	36	8,600	25
48186	4-1/2 x 7/8	80	13,300	25	48204	7 x 7/8	50	8,600	25
48191	5 x 7/8	24	12,200	25	48205	7 x 7/8	60	8,600	25
48192	5 x 7/8	36	12,200	25	48206	7 x 7/8	80	8,600	25
48194	5 x 7/8	50	12,200	25					



FIBER DISCS | ZIRCONIA – HIGH PERFORMANCE

BETTER

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, steel and stainless steel.



Zirconia Fiber Discs

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
48232	4 x 5/8	36	15,300	25	48114	5 x 7/8	50	12,200	25
48234	4 x 5/8	50	15,300	25	48115	5 x 7/8	60	12,200	25
48101	4-1/2 x 7/8	24	13,300	25	48116	5 x 7/8	80	12,200	25
48102	4-1/2 x 7/8	36	13,300	25	48121	7 x 7/8	24	8,600	25
48104	4-1/2 x 7/8	50	13,300	25	48122	7 x 7/8	36	8,600	25
48105	4-1/2 x 7/8	60	13,300	25	48124	7 x 7/8	50	8,600	25
48106	4-1/2 x 7/8	80	13,300	25	48125	7 x 7/8	60	8,600	25
48111	5 x 7/8	24	12,200	25	48126	7 x 7/8	80	8,600	25
48112	5 x 7/8	36	12,200	25					

FIBER DISCS | ALUMINIUM OXIDE

GOOD

ALUMINIUM OXIDE

- Premium quality Aluminum Oxide designed for long life, high stock removal and cool cutting action on steel.
- Sharp, heat-treated Aluminum Oxide grain electrostatically coated to a heavy duty vulcanized Fiber backing.



Aluminum Oxide Fiber Discs

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
48010	4-1/2 x 7/8	16	13,300	25	48030	7 x 7/8	16	8,600	25
48011	4-1/2 x 7/8	24	13,300	25	48031	7 x 7/8	24	8,600	25
48012	4-1/2 x 7/8	36	13,300	25	48032	7 x 7/8	36	8,600	25
48014	4-1/2 x 7/8	50	13,300	25	48034	7 x 7/8	50	8,600	25
48015	4-1/2 x 7/8	60	13,300	25	48035	7 x 7/8	60	8,600	25
48016	4-1/2 x 7/8	80	13,300	25	48036	7 x 7/8	80	8,600	25
48017	4-1/2 x 7/8	100	13,300	25	48037	7 x 7/8	100	8,600	25
48018	4-1/2 x 7/8	120	13,300	25	48038	7 x 7/8	120	8,600	25
48020	5 x 7/8	16	12,200	25	48033	7 x 7/8	150	8,600	25
48021	5 x 7/8	24	12,200	25	48039	7 x 7/8	180	8,600	25
48022	5 x 7/8	36	12,200	25	48041	9 x 7/8	24	6,600	25
48024	5 x 7/8	50	12,200	25	48042	9 x 7/8	36	6,600	25
48025	5 x 7/8	60	12,200	25	48044	9 x 7/8	50	6,600	25
48026	5 x 7/8	80	12,200	25	48045	9 x 7/8	60	6,600	25
48027	5 x 7/8	100	12,200	25	48046	9 x 7/8	80	6,600	25
48028	5 x 7/8	120	12,200	25					

FIBER DISCS SPINDLES

ZIRCONIA

ALUMINUM OXIDE

- Spindle-spool design provides convenient storage and keeps discs flat.



Zirconia Fiber Disc Spindles

UPC	Size	Grit	RPM	Box Qty
48528	4-1/2 x 7/8	24	13,300	50
48529	4-1/2 x 7/8	36	13,300	100
48530	4-1/2 x 7/8	50	13,300	100
48531	4-1/2 x 7/8	60	13,300	100
48532	4-1/2 x 7/8	80	13,300	100
48533	5 x 7/8	24	12,200	50
48534	5 x 7/8	36	12,200	100
48535	5 x 7/8	50	12,200	100
48536	5 x 7/8	60	12,200	100
48537	5 x 7/8	80	12,200	100

Aluminum Oxide Fiber Disc Spindles

UPC	Size	Grit	RPM	Box Qty
48501	4-1/2 x 7/8	24	13,300	50
48502	4-1/2 x 7/8	36	13,300	100
48503	4-1/2 x 7/8	50	13,300	100
48504	4-1/2 x 7/8	60	13,300	100
48505	4-1/2 x 7/8	80	13,300	100

RUBBER FIBER DISCS BACK-UP PADS

- Rubber Back-up Pads – Use with coarse grits.
- Spiral ribs provide contact points and form channels for air flow, extending disc life 30% to 50%.
- Larger air holes provide cooler operating area and longer abrasive disc life.
- Flexible Rubber Pads are recommended for contours and Rigid Pads will last longer on aggressive grinding applications.



Standard Thread Rubber Fiber Disc Back-up Pads

UPC	Size	Spec	Box Qty
48220	4-1/2 x 5/8-11	Medium	1
48221	5 x 5/8-11	Medium	1
48222	7 x 5/8-11	Medium	1
48239	9 x 5/8-11	Medium	1
49510	7 x 5/8-11	Flexible	1
49511	7 x 5/8-11	Rigid	1
49527	9 x 5/8-11	Rigid	1



Smooth Bore Rubber Fiber Disc Back-up Pads

UPC	Size	Spec	Box Qty
49521	4 x 1/2	Medium	1
49519	5	Medium	1

SMOOTH BORE RUBBER FIBER DISC BACK-UP PADS

- Polypropylene Back-up Pads – Use with medium to fine grits.



Smooth Bore Rubber Fiber Disc Back-up Pads

UPC	Size	Spec	Box Qty
48224	4-1/2 x 5/8-11	Medium	1
48225	5 x 5/8-11	Medium	1
48226	7 x 5/8-11	Flexible	1
48240	9 x 5/8-11	Flexible	1



Standard Thread Polypropylene Fiber Disc Back-up Pads

UPC	Size	Spec	Box Qty
36204	4 x 1/2	Medium	1
36205	5	Medium	1



2 – 3" QUICK CHANGE DISCS – SURFACE CONDITIONING

- For stainless steel, and ferrous & non-ferrous metals.
- Premium** – Blending and rust/burr removal.
- Finish Pro** – Economy choice, high performance design for demanding cleaning, deburring, and finishing.
- Heavy Duty** – Aggressive surface conditioning discs for tough cleaning, deburring and finishing. **2X longer working life than standard discs.**



PREMIUM Roll-On | Surface Conditioning | Quick Change Discs

UPC	Size	Density/Grain	RPM	Box Qty	UPC	Size	Density/Grain	RPM	Box Qty
59503	2"	Coarse/60	25,000	50	59508	3"	Very Fine/180-240	20,000	25
59504	2"	Medium/80-120	25,000	50	59609	3"	Ultra Fine/240-320	20,000	25
59505	2"	Very Fine/180-240	25,000	50	59509	4"	Coarse/60	12,000	25
59608	2"	Ultra Fine/240-320	25,000	50	59510	4"	Medium/80-120	12,000	25
59506	3"	Coarse/60	20,000	25	59511	4"	Very Fine/180-240	12,000	25
59507	3"	Medium/80-120	20,000	25					

FINISH PRO Roll-On | Surface Conditioning | Quick Change Discs

UPC	Size	Grit	RPM	Box Qty
59743	2"	Coarse/60	25,000	50
59744	2"	Medium/80-120	25,000	50
59745	2"	Very Fine/180-240	25,000	50
59746	3"	Coarse/60	20,000	25
59747	3"	Medium/80-120	20,000	25
59748	3"	Very Fine/180-240	20,000	25

HEAVY DUTY Roll-On | Surface Conditioning | Quick Change Discs

UPC	Size	Grit	RPM	Box Qty
59739	2"	Coarse/50-60	25,000	50
59740	2"	Medium/60-100	25,000	50
59741	3"	Coarse/50-60	20,000	25
59742	3"	Medium/60-100	20,000	25



PREMIUM Turn-On | Surface Conditioning | Quick Change Discs

UPC	Size	Grit	RPM	Box Qty
59610	2"	Coarse/60	25,000	50
59611	2"	Medium/80-120	25,000	50
59612	2"	Very Fine/180-240	25,000	50
59614	3"	Coarse/60	20,000	25
59615	3"	Medium/80-120	20,000	25

FINISH PRO Turn-On | Surface Conditioning | Quick Change Discs

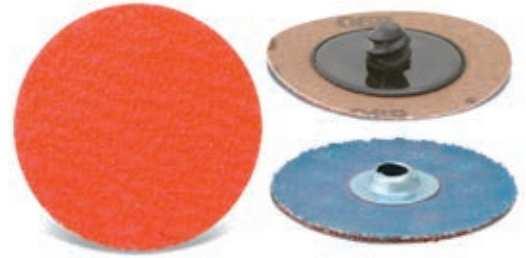
UPC	Size	Grit	RPM	Box Qty
59749	2"	Coarse/60	25,000	50
59750	2"	Medium/80-120	25,000	50
59751	2"	Very Fine/180-240	25,000	50
59752	3"	Coarse/60	20,000	25
59753	3"	Medium/80-120	20,000	25

CERAMIC QUICK CHANGE DISCS

BEST

CERAMIC

- Self-sharpening Ceramic grain and cool grinding aid for fast, aggressive cutting action on hard-to-grind materials.
- Polyester backing material for long working life.
- Use on steel, stainless and heat sensitive materials.



Ceramic Roll-On Quick Change Discs									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
59910	2"	24	25,000	50	59920	3"	24	20,000	25
59911	2"	36	25,000	50	59921	3"	36	20,000	25
59912	2"	40	25,000	50	59922	3"	40	20,000	25
59913	2"	50	25,000	50	59923	3"	50	20,000	25
59914	2"	60	25,000	50	59924	3"	60	20,000	25
59915	2"	80	25,000	50	59925	3"	80	20,000	25
59916	2"	100	25,000	50	59926	3"	100	20,000	25
59917	2"	120	20,000	50	59927	3"	120	20,000	25

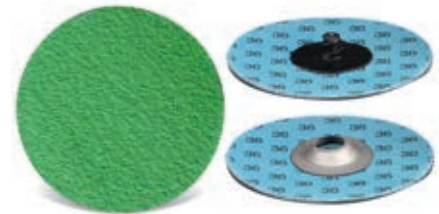
Ceramic Turn-on Quick Change Discs				
UPC	Size	Grit	RPM	Box Qty
59951	2"	36	25,000	50
59952	2"	40	25,000	50
59953	2"	50	25,000	50
59954	2"	60	25,000	50
59955	2"	80	25,000	50
59956	2"	100	25,000	50
59957	2"	120	25,000	50

ZIRCONIA W/ GRINDING AID QUICK CHANGE DISCS

BETTER

ZIRCONIA

- Zirconia for faster cutting and long working life.
- Strong 2-ply design for flat or contoured work. Grinding aid for cooler cutting.



Zirconia w/ Grinding Aid Roll-On Quick Change Discs									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
59587	2"	24	25,000	50	59594	3"	24	20,000	50
59588	2"	36	25,000	50	59595	3"	36	20,000	25
59589	2"	40	25,000	50	59596	3"	40	20,000	25
59590	2"	50	25,000	50	59597	3"	50	20,000	25
59591	2"	60	25,000	50	59598	3"	60	20,000	25
59592	2"	80	25,000	50	59599	3"	80	20,000	25
59593	2"	120	25,000	50	59600	3"	120	20,000	25

Zirconia w/ Grinding Aid Turn-on Quick Change Discs				
UPC	Size	Grit	RPM	Box Qty
59697	2"	36	25,000	50
59698	2"	40	25,000	50
59700	2"	60	25,000	50
59701	2"	80	25,000	50
59702	2"	120	25,000	50



ZIRCONIA QUICK CHANGE DISCS

BETTER

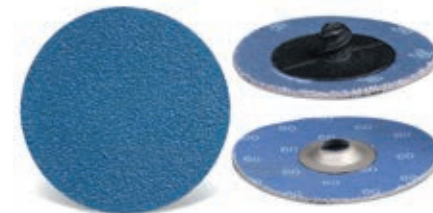
ZIRCONIA

- Zirconia for faster cutting and long working life.
- Strong 2-ply design for flat or contoured work.



Roll-On

Zirconia Roll-On Quick Change Discs									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
59718	2"	24	25,000	50	59719	3"	24	20,000	25
59565	2"	36	25,000	50	59570	3"	36	20,000	25
59566	2"	40	25,000	50	59571	3"	40	20,000	25
59567	2"	50	25,000	50	59572	3"	50	20,000	25
59568	2"	60	25,000	50	59573	3"	60	20,000	25
59569	2"	80	25,000	50	59574	3"	80	20,000	25



Turn-On

Zirconia Turn-On Quick Change Discs				
UPC	Size	Grit	RPM	Box Qty
59674	2"	36	25,000	50
59676	2"	50	25,000	50
59677	2"	60	25,000	50
59678	2"	80	25,000	50

ALUMINUM OXIDE QUICK CHANGE DISCS

GOOD

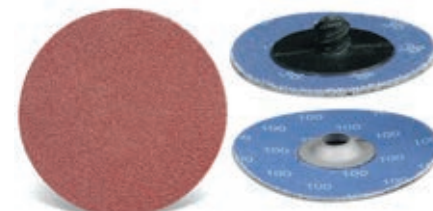
ALUMINUM OXIDE

- Aluminum Oxide for long working life.
- Strong 2-ply design for flat or contoured work.



Roll-On

Aluminum Oxide Roll-On Quick Change Discs									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
59524	2"	24	25,000	50	59536	3"	24	20,000	25
59525	2"	36	25,000	50	59537	3"	36	20,000	25
59526	2"	40	25,000	50	59538	3"	40	20,000	25
59527	2"	50	25,000	50	59539	3"	50	20,000	25
59528	2"	60	25,000	50	59540	3"	60	20,000	25
59529	2"	80	25,000	50	59541	3"	80	20,000	25
59530	2"	100	25,000	50	59542	3"	100	20,000	25
59531	2"	120	25,000	50	59543	3"	120	20,000	25



Turn-On

Aluminum Oxide Turn-On Quick Change Discs				
UPC	Size	Grit	RPM	Box Qty
59634	2"	36	25,000	50
59635	2"	40	25,000	50
59636	2"	50	25,000	50
59637	2"	60	25,000	50
59638	2"	80	25,000	50
59639	2"	100	25,000	50
59640	2"	120	25,000	50

COTTON FIBER QUICK CHANGE DISCS – ROLL ON

- Aircraft/Aerospace, Food Service, Automotive, General Fabrication.
- No smearing on titanium and stainless steel.
- Grind and finish with one disc.
- Engineered to last 10 times longer than coated discs.
- Smooth grinding action. Aluminum will not load-up.
- Flexible disc structure for specific applications.
- Ideal for light weld removal, blending, deburring and finishing.



Cotton/Fiber Quick Change Discs Aluminum Oxide Roll-On				
UPC	Size	Grit	RPM	Box Qty
49558	3	36	20,000	25



EZ STRIP QUICK CHANGE DISCS

- Non-woven discs for cleaning welds and fast removal of rust, scaling, oxidation, paints, sealants, and other clogging materials.
- EZ strip discs can be used on stainless steel, steel, aluminum, titanium, non-ferrous metals, Fiber glass, stone and wood.
- Red EZ strip discs are more rigid for faster working on angled and irregular surfaces.
- Black EZ strip discs clean and can provide a satin finish.



EZ Strip Quick Change Discs					
UPC	Size	Grain	Type	RPM	Box Qty
59060	2 x 1/2	Aluminum Oxide	Red	10,500	10
59062	3 x 1/2	Aluminum Oxide	Red	7,000	10
59061	2 x 1/2	Silicon Carbide	Black	10,500	10
59063	3 x 1/2	Silicon Carbide	Black	7,000	10



RUBBER HOLDER PADS – 1-1/2 – 4" ROLL ON / TURN ON



Roll-On External Thread Die Grinder Holder Pads		
UPC	Size	Box Qty
59730	1-1/2 x 1/4	5
59732	2 x 1/4	5
59734	3 x 1/4	5
59736	4 x 1/4	5

Turn-On Internal Thread Die Grinder Holder Pads			
UPC	Size	Thread	Box Qty
59731	1-1/2 x 1/4	Standard	5
59733	2 x 1/4	M6	5
59738	2 x 1/4	M10	5
59735	3 x 1/4	Standard	5



ALUMINUM OXIDE FLAP WHEELS

ALUMINUM OXIDE

- Firm, 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.
- Use on steel, stainless steel, iron, brass, aluminum, plastic, fiberglass, wood and glass. Excellent for working in small, difficult to reach places.



Aluminum Oxide Flap Wheels w 1/4 in Shank

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
37098	3/4 x 3/4 x 1/4	60	30,000	10	39935	2 x 1 x 1/4	180	25,000	10
37099	3/4 x 3/4 x 1/4	80	30,000	10	39937	2 x 1 x 1/4	320	25,000	10
37100	3/4 x 3/4 x 1/4	120	30,000	10	40003	2 x 1-1/2 x 1/4	40	25,000	10
39903	1 x 5/8 x 1/4	60	30,000	10	40004	2 x 1-1/2 x 1/4	60	25,000	10
39904	1 x 5/8 x 1/4	80	30,000	10	40005	2 x 1-1/2 x 1/4	80	25,000	10
39905	1 x 5/8 x 1/4	120	30,000	10	40006	2 x 1-1/2 x 1/4	120	25,000	10
39907	1 x 1 x 1/4	40	30,000	10	39938	2 x 2 x 1/4	60	25,000	10
39908	1 x 1 x 1/4	60	30,000	10	39939	2 x 2 x 1/4	80	25,000	10
39909	1 x 1 x 1/4	80	30,000	10	39941	2-1/2 x 1 x 1/4	60	20,000	10
39910	1 x 1 x 1/4	120	30,000	10	39942	2-1/2 x 1 x 1/4	80	20,000	10
39912	1 x 1 x 1/4	180	30,000	10	39943	2-1/2 x 1 x 1/4	120	20,000	10
39913	1 x 1 x 1/4	240	30,000	10	41121	2-1/2 x 1-1/2 x 1/4	60	20,000	10
39914	1 x 1 x 1/4	320	30,000	10	41122	2-1/2 x 1-1/2 x 1/4	80	20,000	10
39915	1-1/2 x 1/2 x 1/4	60	25,000	10	41018	3 x 1/2 x 1/4	60	20,000	10
39916	1-1/2 x 1/2 x 1/4	80	25,000	10	41019	3 x 1/2 x 1/4	80	20,000	10
39917	1-1/2 x 1/2 x 1/4	120	25,000	10	41020	3 x 1/2 x 1/4	120	20,000	10
39920	1-1/2 x 1 x 1/4	40	25,000	10	39947	3 x 1 x 1/4	40	20,000	10
39921	1-1/2 x 1 x 1/4	60	25,000	10	39948	3 x 1 x 1/4	60	20,000	10
39922	1-1/2 x 1 x 1/4	80	25,000	10	39949	3 x 1 x 1/4	80	20,000	10
39923	1-1/2 x 1 x 1/4	120	25,000	10	39950	3 x 1 x 1/4	120	20,000	10
39924	2 x 1/2 x 1/4	40	25,000	10	39951	3 x 1 x 1/4	180	20,000	10
39925	2 x 1/2 x 1/4	60	25,000	10	41513	3 x 1-1/2 x 1/4	60	20,000	10
39926	2 x 1/2 x 1/4	80	25,000	10	41514	3 x 1-1/2 x 1/4	80	20,000	10
39927	2 x 1/2 x 1/4	120	25,000	10	41515	3 x 1-1/2 x 1/4	120	20,000	10
39931	2 x 1 x 1/4	40	25,000	10	41044	3 x 2 x 1/4	40	20,000	10
39932	2 x 1 x 1/4	60	25,000	10	39954	3 x 2 x 1/4	60	20,000	10
39933	2 x 1 x 1/4	80	25,000	10	39955	3 x 2 x 1/4	80	20,000	10
39934	2 x 1 x 1/4	120	25,000	10	39956	3 x 2 x 1/4	120	20,000	10

Aluminum Oxide Flap Wheels w 1/4-20 in Shank

UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
39964	1 x 1 x 1/4-20	40	30,000	10	40007	2 x 1/2 x 1/4-20	60	25,000	10
39965	1 x 1 x 1/4-20	60	30,000	10	40008	2 x 1/2 x 1/4-20	80	25,000	10
39966	1 x 1 x 1/4-20	80	30,000	10	39988	2 x 1 x 1/4-20	40	25,000	10
39967	1 x 1 x 1/4-20	120	30,000	10	39989	2 x 1 x 1/4-20	60	25,000	10
39977	1-1/2 x 1 x 1/4-20	40	25,000	10	39990	2 x 1 x 1/4-20	80	25,000	10
39978	1-1/2 x 1 x 1/4-20	60	25,000	10	39998	2-1/2 x 1 x 1/4-20	60	20,000	10
39979	1-1/2 x 1 x 1/4-20	80	25,000	10					

INTERLEAF FLAP WHEELS

ALUMINUM OXIDE

- Alternating flaps of non-woven and coated abrasive materials for fast, uniform surface preparation and finishes.
- Medium grade wheels easily clean, blend, and deburr aluminum & stainless steels, and ferrous & non-ferrous metals.
- Very fine grade wheels for satin finishing on aluminum & stainless steels, and ferrous and non-ferrous metals.



Interleaf Flap Wheels

UPC	Size	Cloth Density	Grit	RPM	Box Qty	UPC	Size	Cloth Density	Grit	RPM	Box Qty
36207	2 x 1 x 1/4	Medium	60	11,000	10	36214	3 x 1 x 1/4	Very Fine	180	8,000	10
36208	2 x 1 x 1/4	Medium	80	11,000	10	36250	3 x 2 x 1/4	Extra Course	60	8,000	10
36209	2 x 1 x 1/4	Very Fine	120	11,000	10	36215	3 x 2 x 1/4	Medium	60	8,000	10
36210	2 x 1 x 1/4	Very Fine	180	11,000	10	36216	3 x 2 x 1/4	Medium	80	8,000	10
36211	3 x 1 x 1/4	Medium	60	8,000	10	36217	3 x 2 x 1/4	Very Fine	120	8,000	10
36212	3 x 1 x 1/4	Medium	80	8,000	10	36218	3 x 2 x 1/4	Very Fine	180	8,000	10
36213	3 x 1 x 1/4	Very Fine	120	8,000	10						

MINI FLAP WHEELS

ALUMINUM OXIDE

Mini Flap Wheels

UPC	Size	Grit	RPM	Box Qty
70086	1-3/16 x 3/16 x 1/8	60	38,000	10
70087	1-3/16 x 3/16 x 1/8	80	38,000	10
70088	1-3/16 x 3/16 x 1/8	120	38,000	10

- Quality Aluminum Oxide grain with X-flex weight backing.
- Use on stainless steel, steel, alloyed steel, non-ferrous materials, aluminum, titanium, and glass.



NON WOVEN FLAP WHEELS

- 100% non woven Aluminum Oxide flap wheels provide excellent flexibility and conforms to work surface.
- Available in coarse, medium, and fine.



Non-Woven Flap Wheels

UPC	Size	Cloth Density	RPM	Box Qty	UPC	Size	Cloth Density	RPM	Box Qty
36450	1 x 1 x 1/4	Coarse	12,000	10	36456	3 x 1 x 1/4	Coarse	10,000	10
36451	1 x 1 x 1/4	Medium	12,000	10	36457	3 x 1 x 1/4	Medium	10,000	10
36452	1 x 1 x 1/4	Fine	12,000	10	36458	3 x 1 x 1/4	Fine	10,000	10
36453	2 x 1 x 1/4	Coarse	12,000	10	36459	3 x 2 x 1/4	Coarse	10,000	10
36454	2 x 1 x 1/4	Medium	12,000	10	36460	3 x 2 x 1/4	Medium	10,000	10
36455	2 x 1 x 1/4	Fine	12,000	10	36461	3 x 2 x 1/4	Fine	10,000	10





UNMOUNTED FLAP WHEELS

ALUMINUM OXIDE

- Quality Aluminum Oxide grain for consistent finishes.
- Unmounted flap wheels are recommended for cleaning, blending, deburring and finishing.



Unmounted Flap Wheels									
UPC	Size	Grit	RPM	Box Qty	UPC	Size	Grit	RPM	Box Qty
41045	6 x 1 x 1	40	5,000	5	41056	6 x 1-1/2 x 1	60	5,000	5
41046	6 x 1 x 1	60	5,000	5	41065	6 x 2 x 1	40	5,000	5
41047	6 x 1 x 1	80	5,000	5	41066	6 x 2 x 1	60	5,000	5
41049	6 x 1 x 1	120	5,000	5	41067	6 x 2 x 1	80	5,000	5
41055	6 x 1-1/2 x 1	40	5,000	5	41069	6 x 2 x 1	120	5,000	5

CONVOLUTE WHEELS

ALUMINUM OXIDE SILICON CARBIDE

- CGW convolute wheels are made for long working life even if put in contact with sharp edges.
- Convolute wheels improve work surfaces without changing shapes or dimensions.
- Convolute wheels resist heating up and loading.



Medium Aluminum Oxide Convolute Wheels					Fine Silicon Carbide Convolute Wheels				
UPC	Size	Density/Grade	RPM	Box Qty	UPC	Size	Density/Grade	RPM	Box Qty
70131	6 x 1/2 x 1	8/A Medium	6,000	4	70130	6 x 1/2 x 1	7/S Fine	6,000	4
70135	6 x 1 x 1	8/A Medium	6,000	2	70134	6 x 1 x 1	7/S Fine	6,000	2
70143	8 x 1 x 3	8/A Medium	4,500	2	70132	6 x 1/2 x 1	8/S Fine	6,000	4
					70136	6 x 1 x 1	8/S Fine	6,000	2
					70144	8 x 1 x 3	8/S Fine	4,500	2
					70133	6 x 1/2 x 1	9/S Fine	6,000	4
					70137	6 x 1 x 1	9/S Fine	6,000	2
					70145	8 x 1 x 3	9/S Fine	4,500	2





CUTTING CONTENT

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STATIONARY & GAS SAW WHEELS	47



FEATURED PRODUCT

LIGHTNING CUT

Cordless cutting made more efficient.

- Thin
- Fast
- Precise

PAGE 40

CGW WHEELS CUT
UP TO **30%**
MORE

READING CUTTING WHEEL SPECIFICATIONS



TYPE

Type 27

WHEEL SIZE

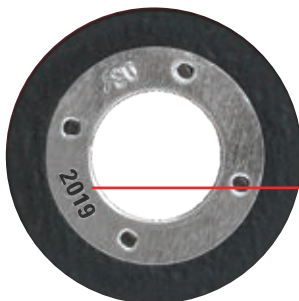
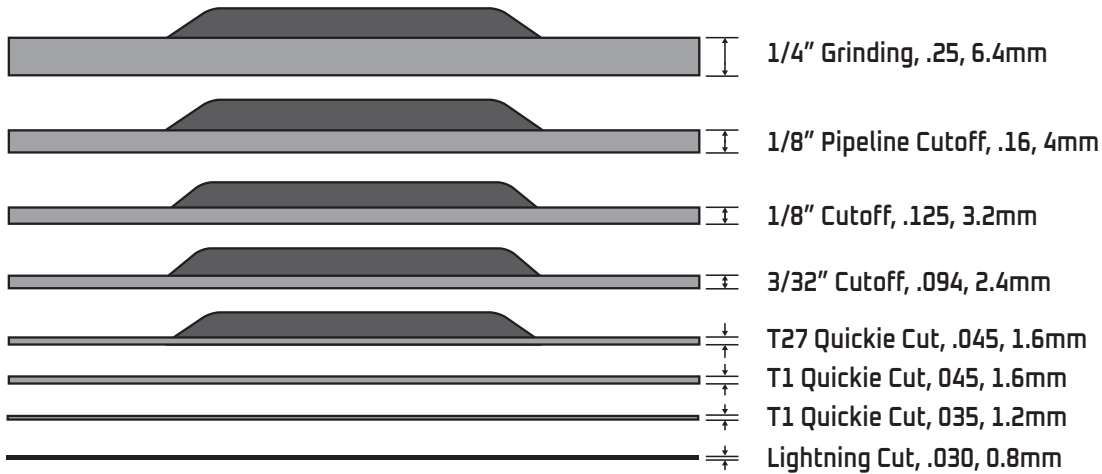
4-1/2 x **.045"** x **7/8**
WIDTH THICKNESS ARBOR

ABRASIVE GRAIN GUIDE

CER	36	T
Ceramic Grain	Grain Size	Grade

MAXIMUM OPERATING SPEED

80 m/s, MAX.
13,300 R.P.M.



EXPIRATION DATE

3 years from date of Manufacture



CUTTING ICONS EXPLAINED

WHEEL TYPES

Type 1



Completely flat cut-off wheel for efficient all-purpose cutting

Type 27



Depressed center cut-off wheel for more versatile applications

TOOL TYPES



CERTIFICATIONS



Contaminant free certification for rust & corrosion free results



Approved product from the Organization of Safety Standards

CUTTING WHEELS



BEST

BEST PRODUCTIVITY



BETTER

BEST SELLER



GOOD

BEST VALUE

SELECT THE BEST CUTTING WHEEL FOR YOUR APPLICATION

Grain	Steel	Stainless Steel	Aluminum	Copper	Bronze	All-Purpose
Ceramic	●	○				○
Zirconia	○					●
Aluminum W/Grinding Aid			○	○	○	
White Aluminum Oxide		○				

○ =Maximum Output ● =Ideal Output











LIGHTNING CUT

Cordless Cutting Made More Efficient.

.030
THICKNESS



Fast
Precise
Efficient

TOOL PERFORMANCE	
Cordless 	LIGHTNING  
	COMPETITOR  
	LIGHTNING  
	COMPETITOR  
IDEAL FOR 6 AMP/500 WATT to 15 AMP/1,500 WATT TOOLS	

Our thinnest and lightest wheel ever, made specifically for battery powered low-amp tools. Forged from the highest quality resin, providing an optimal performance to value ratio. Clean cutting performance with minimal burrs. Perfect for steel and stainless-steel applications. Lightning fast, lightning precision, providing maximum efficiency on cordless tools.

Type 1						
UPC	Size	Grain	RPM	Grit	Box QTY	
35150	4-1/2 x .030 x 7/8	White Aluminum Oxide	13,300	46	25	



**Lightning
Cut**

4-1/2 x .030 x 7/8"
115 x 0.8 x 22.23mm

COMING SUMMER 2024

EXTREME

SAW BLADE



Ferrous (CERMET)

- CERMET tips in combination with advanced thin kerf design provide outstanding wear and heat resistance.
- Cut faster with 2X-3X the life of standard carbide tipped blades.
- Precision hardened and tensioned flat plates ensure safer and cooler cuts with less sparks and no need for post-cut deburring and clean-up.
- Lowest cost per cut for angle/channel/tubing/plates.
- Designed to cut mild steel, pipe, angle iron and more.
- Use in dedicated metal cutting saws, and dry cut saws.

Non-Ferrous

- Precision hardened and tensioned flat plates ensure fast, smooth, precise cuts without need of post-cut deburring and clean-up.
- TCG Micro-Grain carbide tips in combination with thin kerf design provide outstanding cut-life.
- Lowest cost per cut for angle/channel/tubing/plates.
- Designed to cut aluminum and other non-ferrous materials.
- Ideal for use in woodworking saws.



UPC	Material	Blade Description
45400	Aluminum	7-1/4" x 60T x 5/8" KO, Alum
45401	Aluminum	12" x 80T x 1", Alum
45402	Metal	7-1/4" x 36T x 5/8" KO, Cermet tip
45403	Metal	8" x 42T x 5/8", Cermet tip
45404	Metal	12" x 54T x 1", Cermet tip
45405	Metal	14" x 66T x 1", Cermet tip
45406	Metal	14" x 81T x 1", Cermet tip

eXtreme Cut™

CERAMIC CUTTING WHEELS FOR STEEL APPLICATIONS TYPE 1 & 27

BEST

CERAMIC

- High performance sharp CERAMIC grain for extremely fast cutting.
- An advanced bonding system specially engineered to provide a longer life.
- Time and labor cost savings with maximum performance on high power machines.



Type 1



Type 27

Extreme Cut Ceramic Type 1				
UPC	Size	Spec	RPM	Box Qty
54280	4-1/2 x .045 x 7/8	CER36T	13,300	25
54281	5 x .045 x 7/8	CER36T	12,200	25
54282	6 x .045 x 7/8	CER36T	10,200	25

Extreme Cut Ceramic Type 27				
UPC	Size	Spec	RPM	Box Qty
54283	4-1/2 x .045 x 7/8	CER36T	13,300	25
54284	4-1/2 x .045 x 5/8-11	CER36T	13,300	10
54285	5 x .045 x 7/8	CER36T	12,200	25
54286	5 x .045 x 5/8-11	CER36T	12,200	10
54287	6 x .045 x 7/8	CER36T	10,200	25
54288	6 x .045 x 5/8-11	CER36T	10,200	10

CERAMIC CUTTING WHEELS FOR STAINLESS STEEL APPLICATIONS, TYPE 1 & 27

BEST

CERAMIC



Type 1



Type 27

Extreme Cut SS Ceramic Type 1				
UPC	Size	Spec	RPM	Box Qty
54290	4-1/2 x .045 x 7/8	CER46T	13,300	25
54291	5 x .045 x 7/8	CER46T	12,200	25
54292	6 x .045 x 7/8	CER46T	10,200	25

Extreme Cut SS Ceramic Type 27				
UPC	Size	Spec	RPM	Box Qty
54293	4-1/2 x .045 x 7/8	CER46T	13,300	25
54294	4-1/2 x .045 x 5/8-11	CER46T	13,300	10
54295	5 x .045 x 7/8	CER46T	12,200	25
54296	5 x .045 x 5/8-11	CER46T	12,200	10
54297	6 x .045 x 7/8	CER46T	10,200	25
54298	6 x .045 x 5/8-11	CER46T	10,200	10



Quickie Cut™ #1 BEST SELLER

STRAIGHT CUT-OFF WHEELS, TYPE 1, ENGINEERED IN BOTH A FLEX AND RIGID DESIGN

BETTER ZIRCONIA

- A Zirconia and Aluminum Oxide mixture allowing for faster cutting and longer life.
- Excellent on steel and stainless steel.



FLEX				
UPC	Size	Spec	RPM	Box Qty
45014	4 x .040 x 5/8	ZA60T	15,300	25
45010	4-1/2 x .035 x 7/8	ZA60T	13,300	25
45011	5 x .040 x 7/8	ZA60T	12,200	25
45012	6 x .040 x 7/8	ZA60T	10,200	25
45013	7 x .045 x 7/8	ZA60T	8,500	25

RIGID				
UPC	Size	Spec	RPM	Box Qty
35514	4-1/2 x .045 x 7/8	ZA36T	13,300	25
35516	5 x .045 x 7/8	ZA36T	12,200	25
35517	6 x .045 x 7/8	ZA36T	10,200	25
35518	7 x .045 x 7/8	ZA36T	8,500	25

DEPRESSED CENTER CUT-OFF WHEELS, TYPE 27

BETTER ZIRCONIA



Quickie Cut Type 27									
UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
45001	4-1/2 x .045 x 5/8	ZA60S	15,300	25	45143	6 x .045 x 5/8-11	ZA60S	10,200	10
45002	4-1/2 x .045 x 7/8	ZA60S	13,300	25	45008	7 x .045 x 7/8	ZA60S	8,500	25
45141	4-1/2 x .045 x 5/8-11	ZA60S	13,300	10	45144	7 x .045 x 5/8-11	ZA60S	8,500	10
45005	5 x .045 x 7/8	ZA60S	12,200	25	45047	9 x .045 x 7/8	ZA60S	6,600	25
45142	5 x .045 x 5/8-11	ZA60S	12,200	10	45145	9 x .045 x 5/8-11	ZA60S	6,600	10
45007	6 x .045 x 7/8	ZA60S	10,200	25					

CONTAMINANT-FREE CUT-OFF WHEELS, TYPE 1 & 27

WHITE ALUMINUM OXIDE

- Contaminant-free wheels contains $\leq 0.1\%$ iron, sulfur, or chlorine for rust-free and corrosion-free results.
- High quality grain mixture is more friable and cuts freely.



Type 1



Type 27

Contaminant-Free Cut-Off Wheels Type 1				
UPC	Size	Spec	RPM	Box Qty
35515	4-1/2 x .045 x 7/8	WA36T	13,300	25
36301	5 x .045 x 7/8	WA36T	12,200	25
36302	6 x .045 x 7/8	WA36T	10,200	25
53260	9 x .045 x 7/8	WA36T	6,600	25

Contaminant-Free Cut-Off Wheels Type 27				
UPC	Size	Spec	RPM	Box Qty
45003	4-1/2 x .045 x 7/8	WA60R	13,300	25
45154	4-1/2 x .045 x 5/8-11	WA60R	13,300	10
45006	5 x .045 x 7/8	WA60R	12,200	25
45017	6 x .045 x 7/8	WA60R	10,200	25
45009	7 x .045 x 7/8	WA60R	8,500	25

ALUMINUM W/GRINDING AID CUT OFF WHEELS, TYPE 1 & 27

ALUMINUM OXIDE

- Premium Aluminum Oxide grain engineered for superior non-loading cutting action.
- Clean steady cuts. Minimal burrs.
- Suitable for aluminum cutting and non-ferrous metals.
- Applications:** Aluminum, copper and bronze fabrication, sheet and plate work.



Type 1



Type 27

Aluminum W/Grinding Aid Cut-Off Wheels Type 1				
UPC	Size	Spec	RPM	Box Qty
53255	4-1/2 x .045 x 7/8	A46N	13,300	25
53256	5 x .045 x 7/8	A46N	12,200	25

Aluminum W/Grinding Aid Cut-Off Wheels Type 27				
UPC	Size	Spec	RPM	Box Qty
45004	4-1/2 x .045 x 7/8	A46N	13,300	25
70114	5 x .045 x 7/8	A46N	12,200	25
70115	6 x .045 x 7/8	A46N	10,200	25



3-IN-1 WHEELS .094 CUT/GRIND/FINISH – HIGH PERFORMANCE!

ALUMINUM OXIDE

- High performance wheels made to cut quickly, grind easily and finish work surfaces with ONE wheel.
- Contaminant free wheel has ≤0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results.
- Cost effective wheel eliminates frequent wheel changes and increases production times.
- Three layers of fiberglass net reinforcement provides added strength and flexibility.



3-in-1 Wheels | .094, Cut/Grind/Finish | Type 27

UPC	Size	Spec	RPM	Box Qty
45218	4-1/2 x .094 (3/32) x 7/8	A365	13,300	25
45219	4-1/2 x .094 (3/32) x 5/8-11	A365	13,300	10
45220	5 x .094 (3/32) x 7/8	A365	12,200	25
45221	5 x .094 (3/32) x 5/8-11	A365	12,200	10
45222	6 x .094 (3/32) x 7/8	A365	10,200	25
45223	6 x .094 (3/32) x 5/8-11	A365	10,200	10

THIN REINFORCED CUT-OFF WHEELS

ALUMINUM OXIDE

- Metal & Stainless. 3/32" (.094) thickness for cutting/notching wheels.
- Externally reinforced with a unique bond for long wheel life and faster cutting action.



Thin Reinforced Cut-Off Wheels | Type 27

UPC	Size	Grit	RPM	Box Qty
45020	4-1/2 x 3/32 x 7/8	WA365	13,300	25
45021	4-1/2 x 3/32 x 5/8-11	WA365	13,300	10
45024	6 x 3/32 x 7/8	WA365	10,200	25
45025	6 x 3/32 x 5/8-11	WA365	10,200	10
45026	7 x 3/32 x 7/8	WA365	8,500	25
45027	7 x 3/32 x 5/8-11	WA365	8,500	10

CERAMIC DIE GRINDER WHEELS

BEST

CERAMIC

Type 1

**USA
MADE**



Ceramic Die Grinder Wheels

UPC	Size	Spec	RPM	Box Qty
36181	3 x 1/32 x 3/8	CER60R	25,000	50
36182	3 x 1/16 x 3/8	CER36R	25,000	50
36183	4 x 1/32 x 3/8	CER60R	19,100	50
36184	4 x 1/16 x 3/8	CER36R	19,100	50

ZIRCONIA DIE GRINDER WHEELS, 1/4" & 3/8" ARBOR HOLE

BETTER

ZIRCONIA

Type 1

**USA
MADE**



Zirconia Die Grinder Wheels | 1/4" Arbor

UPC	Size	Spec	RPM	Box Qty
36175	3 x 1/32	ZA60R	25,000	50
36173	3 x 1/16	ZA36R	25,000	50

Zirconia Die Grinder Wheels | 3/8" Arbor

UPC	Size	Spec	RPM	Box Qty
36176	3 x 1/32	ZA60R	25,000	50
36174	3 x 1/16	ZA36R	25,000	50
36180	4 x 1/32	ZA60R	19,100	50
36178	4 x 1/16	ZA36R	19,100	50

DIE GRINDER MANDREL ADAPTOR

Die Grinder Mandrel Adaptor

UPC	Size	Box Qty
48227	1/4"-3/8" Mandrel Adaptor	1
48245	3/8"-24 Mandrel Adaptor	1





ALUMINUM OXIDE DIE GRINDER WHEELS

GOOD

ALUMINUM OXIDE

- **A:** Aluminum Oxide for cutting steel.



Aluminum Oxide Die Grinder Wheels | 1/4" Arbor Hole

UPC	Size	Spec	RPM	Box Qty
35687	1-1/2 x 1/32	A60R	45,000	50
45066	2 x 1/16	A60R	30,000	50
35500	3 x 1/32	A60R	23,900	50
35502	3 x 1/16	A36R	23,900	50
45085	3 x 1/16	A60R	23,900	50
35504	3 x 1/8	A24R	23,900	25
35506	4 x 1/32	A60R	22,000	50
35508	4 x 1/16	A36R	22,000	50
45088	4 x 1/16	A60R	22,000	50
35511	4 x 1/8	A24R	22,000	25

Aluminum Oxide Die Grinder Wheels | 5/8" Arbor Hole

UPC	Size	Spec	RPM	Box Qty
35510	4 x 1/16	A60R	22,000	50



Aluminum Oxide Die Grinder Wheels | 3/8" Arbor Hole

UPC	Size	Spec	RPM	Box Qty
35688	1-1/2 x 1/32	A60R	45,000	50
35689	2 x 1/32	A60R	30,000	50
35690	2 x 1/16	A60R	30,000	50
35691	2 x 1/8	A24R	30,000	50
35501	3 x 1/32	A60R	23,900	50
35503	3 x 1/16	A36R	23,900	50
45086	3 x 1/16	A60R	23,900	50
35505	3 x 1/8	A24R	23,900	25
35507	4 x 1/32	A60R	22,000	50
35509	4 x 1/16	A36R	22,000	50
45087	4 x 1/16	A60R	22,000	50
35512	4 x 1/8	A24R	22,000	25

PREMIUM & PRIMARY BOND 10-20" STATIONARY SAW WHEELS

Stationary saw cut-off wheels cut structural steel, bar stock, tubing and non-ferrous metals.

- **A:** Aluminum Oxide – Metal & Steel.



Stationary Saw Wheels | Premium Bond

UPC	Size	Spec	RPM	Box Qty
35582	14 x 1/8 x 1	A24R	4,400	10
35584	16 x 5/32 x 1	A24R	3,820	10
35851	20 x 7/32 x 1	A30R	3,100	10

Stationary Saw Wheels | Primary Bond

UPC	Size	Spec	RPM	Box Qty
70105	12 x 1/8 x 1	A24R	5,100	10
70108	20 x 5/32 x 1	A24R	3,100	10
70109	20 x 3/16 x 1	A24R	3,100	10



10 – 16" CHOP SAW WHEELS

ALUMINUM OXIDE

- **A:** Aluminum Oxide – Metal & Steel. 14" available in **single (SR)** and **double (DR)** fiberglass reinforced.
- **Fast Cut:** Economical choice for metal, steel and general applications.

Type 1



10"-16" Chop Saw Wheels

UPC	Size	Spec	RPM	Box Qty	Layers
35575	12 x 3/32 x 1	A36P	5,100	10	DR
35576	14 x 3/32 x 1	A36P	4,400	10	DR
35670	14 x 3/32 x 1	A30P	4,400	10	SR
36234	14 x 7/64 x 1	A36S	4,400	10	DR
36133	16 x 3/32 x 1	A36P	3,820	10	DR

14" CHOP SAW SPECIALTY WHEELS

ZIRCONIA

14" Specialty Chop Saw Wheel For Iron/Heavy Bars

- Zirconia grain, excellent on all ferrous metal applications, especially thicker stock.
- Our #1 performing chop saw cut-off wheel.

Type 1



14" Chop Saw Specialty Wheels

UPC	Size	Spec	RPM	Box Qty	Layers
36125	14 x 3/32 x 1	ZA24S	4,400	10	DR

WHITE ALUMINUM

14" Specialty Chop Saw Wheel For Stainless Steel

- Designed for stainless steel applications.
- Contaminant-Free, Fe+S+C≤0.1%



14" Specialty Chop Saw Wheels for Stainless Wheels

UPC	Size	Spec	RPM	Box Qty	Layers
36123	14 x 3/32 x 1	WA36P	4,400	10	SR

ALUMINUM OXIDE

14" Specialty Chop Saw Wheel For Studs

- Designed for aluminum drywall stud, aluminum shelving, light gauge steel.

14" Specialty Chop Saw Wheels for Studs

UPC	Size	Spec	RPM	Box Qty	Layers
36124	14 x 3/32 x 1	A30R	4,400	10	DR

ALUMINUM OXIDE

14" Chop Saw Wheel For Aluminum

- Aluminum Oxide – Special non-loading formulation for cutting aluminum.

14" Chop Saw Wheel for Aluminum

UPC	Size	Grit	RPM	Box Qty	Layers
36122	14 x 3/32 x 1	A30N	4,400	10	DR



12-16" GENERAL USE HIGH SPEED GAS SAWS FOR METAL, STEEL & STAINLESS

ALUMINUM OXIDE

Type 1



General Use High Speed Gas Saw | Metal, Steel, & Stainless

UPC	Size	Spec	RPM	Box Qty	Layers
35587	12 x 5/32 x 20mm	A24R	6,400	10	DR
35589	12 x 5/32 x 1	A24R	6,400	10	DR
36158	14 x 5/32 x 20mm	A24R	5,500	10	DR
36159	14 x 5/32 x 1	A24R	5,500	10	DR
35599	14 x 5/32 x 20mm	A24R-TR	5,500	10	TR
35600	14 x 5/32 x 1	A24R-TR	5,500	10	TR
36143	16 x 5/32 x 1	A24R-TR	4,800	10	TR



EB – Electronically Balanced. All 12-14" wheels are safer, cause less vibration and are more consistent.



Triple reinforced (TR) to provide extra safety.

12-16" HIGH SPEED GAS SAWS FOR DUCTILE IRON

ALUMINUM OXIDE/SILICON CARBIDE

Type 1



High Speed Gas Saw | Ductile Iron

UPC	Size	Spec	RPM	Box Qty	Layers
36160	14 x 5/32 x 20mm	AC24R	5,500	10	DR
36161	14 x 5/32 x 1	AC24R	5,500	10	DR
35601	14 x 5/32 x 20mm	A24R-TR	5,500	10	TR
35602	14 x 5/32 x 1	A24R-TR	5,500	10	TR

14-16" RAIL TRACK CUT-OFF WHEELS

ZIRCONIA

- Premium mix of Zirconia and Aluminum Oxide to maximize number of cuts while cutting quickly and not burning the work piece.



Rail Track Cut-Off Wheels

UPC	Size	Spec	RPM	Box Qty	Layers
36162	14 x 1/8 x 1	ZA24R	5,500	10	DR
36163	16 x 1/8 x 1	ZA24R	4,800	10	DR







HEAVY GRINDING CONTENT

GRINDING WHEELS	55
RESIN CONES & PLUGS	60

NEW & IMPROVED FORMULAS



FEATURED PRODUCT

QUICKIE GRIND/ PIPELINE

Backed by a premium zirconia grain.

- Reengineered
- Increased Removal Rate
- Improved Wheel Life

PAGE 54

**20%
MORE**
REMOVAL & DISC LIFE
THAN OUR NEAREST
COMPETITOR

READING GRINDING WHEEL SPECIFICATIONS



TYPE

Type 27

WHEEL SIZE

4-1/2 x **1/4"** x **7/8**
 WIDTH THICKNESS ARBOR

ABRASIVE GRAIN GUIDE

CER **24** **T**
 Ceramic Grain Grain Size Grade

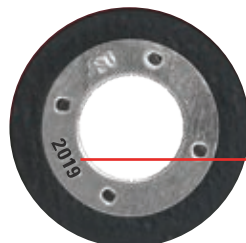
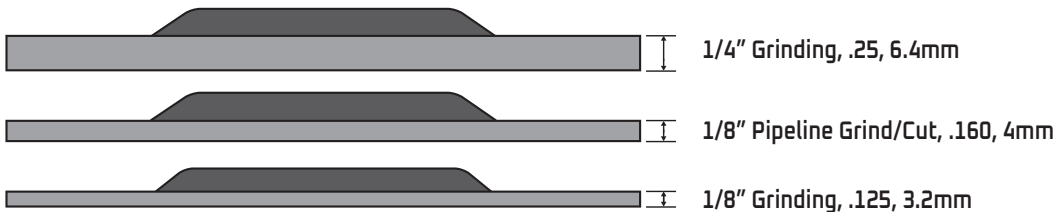
MAXIMUM OPERATING SPEED

80 m/s, MAX.
 13,300 R.P.M.

GRAIN SIZE	
COARSE	8, 10, 12, 14, 16, 20, 24
MEDIUM	30, 36, 46, 54, 60
FINE	80, 100, 120, 150, 180
VERY FINE	220, 240, 320, 400, 600

GRADE	
SOFT	B, D, E, F, G, H
MEDIUM	I, J, K, L, M, N, O, P
HARD	Q, R, S, T, U, V, W, X

WHEEL THICKNESS



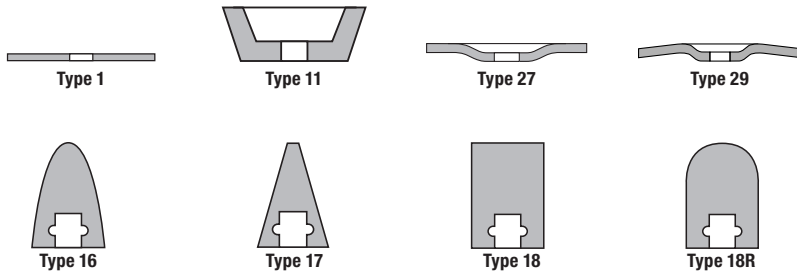
EXPIRATION DATE

3 years from date of Manufacture



GRINDING ICONS EXPLAINED

WHEEL TYPES



TOOL TYPES



CERTIFICATIONS



Contaminant free certification for rust & corrosion free results



Approved product from the Organization of Safety Standards

GRINDING WHEELS



BEST

BEST PRODUCTIVITY



BETTER

BEST SELLER



GOOD

BEST VALUE

GRINDING WHEEL APPLICATION CHART

	Mild Steel	Hardened Steel	Stainless Steel	Exotic Metals	Aluminum	Non-Ferrous
CERT24 T		●	●	●		
ZA24T	●	•	•	•		
WA24T			•			
A24R	•					
A30N					●	●

● = Maximum Output • = Ideal Output

NEW AND IMPROVED FORMULAS

QUICKIEGRIND

PIPELINE

- **Reengineered**
- **Increased Removal Rate**
- **Improved Wheel Life**

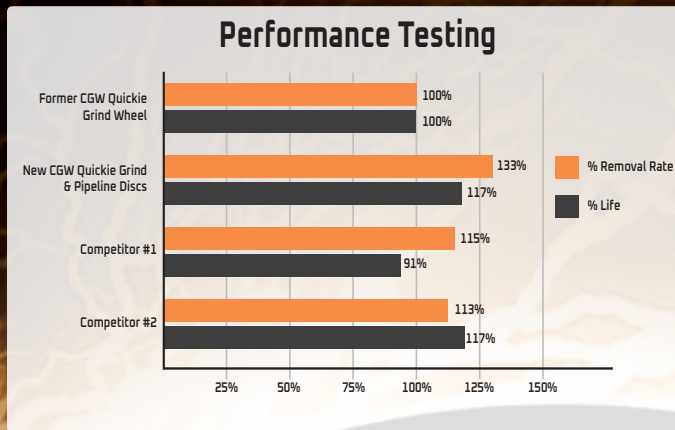
A new & improved formula backed by a premium zirconia grain. These premium quick grind discs are the new standard for High efficiency grinding wheels. Ideal for steel, cast iron & stainless-steel applications.

Zirconia Grain



Pipeline Zirconia Grain Type 27				
UPC	Size	Spec	RPM	Box Qty
35667	4-1/2 x 1/8 x 7/8	ZA24T	13,300	25
35665	4-1/2 x 1/8 x 5/8-11	ZA24T	13,300	10
45203	6 x 1/8 x 7/8	ZA24T	10,200	25
45202	6 x 1/8 x 5/8-11	ZA24T	10,200	10
35681	7 x 1/8 x 7/8	ZA24T	8,600	25
35682	7 x 1/8 x 5/8-11	ZA24T	8,600	10

Quickie Grind Zirconia Grain Type 27				
UPC	Size	Spec	RPM	Box Qty
35624	4-1/2 x 1/4 x 7/8	ZA24T	13,300	25
35625	4-1/2 x 1/4 x 5/8-11	ZA24T	13,300	10
37535	5 x 1/4 x 7/8	ZA24T	12,250	25
37530	5 x 1/4 x 5/8-11	ZA24T	12,250	10
45039	6 x 1/4 x 7/8	ZA24T	10,200	25
45040	6 x 1/4 x 5/8-11	ZA24T	10,200	10
35644	7 x 1/4 x 7/8	ZA24T	8,600	25
35645	7 x 1/4 x 5/8-11	ZA24T	8,600	10
35658	9 x 1/4 x 7/8	ZA24T	6,600	25
35659	9 x 1/4 x 5/8-11	ZA24T	6,600	10



Quickie Grind

Quickie Cut & Grind PIPELINE 4- Notching Cutting and Light Gri

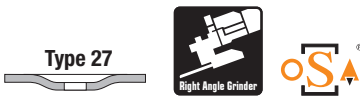


eXtreme GRINDING WHEELS

BEST

CERAMIC

- Extremely fast stock removal – high performance **CERAMIC** grain.
- Advanced bonding system – specially engineered to provide longer life and fast grind.
- Dual layer structure:
 - Grinding layer with aggressive coarse ceramic grains
 - Supporting layer for better surface finish and smoother grinding
- High density, uniform grain structure is self-sharpening and provides a cooler cut.
- Labor cost savings – grinds fast and much more efficiently compared to conventional grinding wheels.
- Can be used on steel, stainless steel, and high tensile metals.
- Best choice for heavy material removal applications.
- Maximum performance on high power machines.



eXtreme Grind Type 27 Ceramic									
UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
54270	4-1/2 x 1/4 x 7/8	CER24T	13,300	25	54274	6 x 1/4 x 7/8	CER24T	10,200	25
54271	4-1/2 x 1/4 x 5/8-11	CER24T	13,300	10	54275	6 x 1/4 x 5/8-11	CER24T	10,200	10
54272	5 x 1/4 x 7/8	CER24T	12,250	25	54276	7 x 1/4 x 7/8	CER24T	8,500	25
54273	5 x 1/4 x 5/8-11	CER24T	12,250	10	54277	7 x 1/4 x 5/8-11	CER24T	8,500	10

1/4" (.25, 6.4MM) DEPRESSED CENTER GRINDING WHEELS

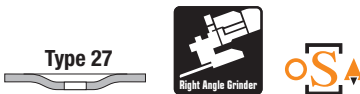
BETTER

ALUMINUM OXIDE

- A24R: Aluminum Oxide Grain**
- #1 selling 1/4" Depressed Center Grinding Wheel.
- R-grade bond for longer life and excellent stock removal.



Our Best Selling Grinding Wheel



Ultra Type 27 Aluminum Oxide									
UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
35620	4-1/2 x 1/4 x 7/8	A24R	13,300	25	35633	6 x 1/4 x 5/8-11	A24R	10,200	10
35621	4-1/2 x 1/4 x 5/8-11	A24R	13,300	10	35640	7 x 1/4 x 7/8	A24R	8,600	25
35626	5 x 1/4 x 7/8	A24R	12,250	25	35641	7 x 1/4 x 5/8-11	A24R	8,600	10
35628	5 x 1/4 x 5/8-11	A24R	12,250	10	35654	9 x 1/4 x 7/8	A24R	6,600	25
35632	6 x 1/4 x 7/8	A24R	10,200	25	35655	9 x 1/4 x 5/8-11	A24R	6,600	10

1/4" (.25) WHITE ALUMINUM OXIDE STAINLESS STEEL GRINDING WHEELS

WHITE ALUMINUM OXIDE

- Contaminant-free design for fast-cutting stainless steel, ferrous metals.
- Contains less than .01% iron, sulfur or chlorine for rust-free and corrosion-free results.



Stainless Steel | Type 27 | White Aluminum Oxide

UPC	Size	Spec	RPM	Box Qty
35673	4-1/2 x 1/4 x 7/8	WA24S	13,300	25
35674	4-1/2 x 1/4 x 5/8-11	WA24S	13,300	10
35643	5 x 1/4 x 7/8	WA24S	12,250	25
37531	5 x 1/4 x 5/8-11	WA24S	12,250	10
45048	6 x 1/4 x 7/8	WA24S	10,200	25
45049	6 x 1/4 x 5/8-11	WA24S	10,200	10
35677	7 x 1/4 x 7/8	WA24S	8,600	25
35678	7 x 1/4 x 5/8-11	WA24S	8,600	10
45081	9 x 1/4 x 7/8	WA24S	6,600	25
45082	9 x 1/4 x 7/8	WA24S	6,600	10

Fast Cut 1/4" (.25) DEPRESSED CENTER GRINDING WHEELS

GOOD

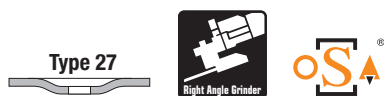
ALUMINUM OXIDE

A24N Fast Cut: Aluminum Oxide Grain

- Soft N-grade bond for fast stock removal.
- Excellent ratio of stock removal/wheel loss.

A24R Fast Cut: Aluminum Oxide Grain

- R-grade bond for excellent life and stock removal.



Fast Cut | Type 27 | Aluminum Oxide | N - Grade Bond

UPC	Size	Spec	RPM	Box Qty
35699	4-1/2 x 1/4 x 5/8	A24N	15,300	25
35622	4-1/2 x 1/4 x 7/8	A24N	13,300	25
35623	4-1/2 x 1/4 x 5/8-11	A24N	13,300	10
35627	5 x 1/4 x 7/8	A24N	12,250	25
35629	5 x 1/4 x 5/8-11	A24N	12,250	10
36231	6 x 1/4 x 7/8	A24N	10,200	25
36232	6 x 1/4 x 5/8-11	A24N	10,200	10
36242	7 x 1/4 x 7/8	A24N	8,600	25
35643	7 x 1/4 x 5/8-11	A24N	8,600	10
35656	9 x 1/4 x 7/8	A24N	6,600	25
35657	9 x 1/4 x 5/8-11	A24N	6,600	10

Fast Cut | Type 27 | Aluminum Oxide | R - Grade Bond

UPC	Size	Spec	RPM	Box Qty
36255	4-1/2 x 1/4 x 7/8	A24R	13,300	25
36256	4-1/2 x 1/4 x 5/8-11	A24R	13,300	10
36259	6 x 1/4 x 7/8	A24R	10,200	25
36260	6 x 1/4 x 5/8-11	A24R	10,200	10
36261	7 x 1/4 x 7/8	A24R	8,600	25
36262	7 x 1/4 x 5/8-11	A24R	8,600	10

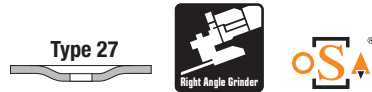


ALUMINUM W/GRINDING AID DEPRESSED CENTER WHEELS

ALUMINUM

ALUMINUM OXIDE

- Premium AD Grain – Aluminum A30N
- 1/4" (.25 Thick) Type 27 grinding wheels for aluminum guaranteed to outperform competitor wheels.
- Soft N-grade bond for weld removal.
- Recommended for aluminum, copper, zinc, and other non-ferrous materials.



Aluminum | Type 27 | Aluminum Oxide

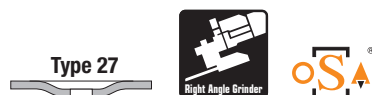
UPC	Size	Spec	RPM	Box Qty
36107	4-1/2 x 1/4 x 7/8	A30N	13,300	25
36108	4-1/2 x 1/4 x 5/8-11	A30N	13,300	10
36109	5 x 1/4 x 7/8	A30N	12,200	25
36110	5 x 1/4 x 5/8-11	A30N	12,200	10
36156	9 x 1/4 x 7/8	A30N	6,600	25
36157	9 x 1/4 x 5/8-11	A30N	6,600	10

1/8" (.125) DEPRESSED CENTER GRINDING WHEELS

ALUMINUM OXIDE

BETTER

- Premium wheels made from superior raw materials and advanced technologies for longer working life.
- Ultra Wheels give consistent cutting action for faster and easier performance.
- **A24R: Aluminum Oxide** grain. R-grade bond for fast cutting and long life. Works well on steel, cast iron, and welds.



Ultra | Type 27 | Aluminum Oxide

UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
35612	4-1/2 x 1/8 x 7/8	A24R	13,300	25	35631	6 x 1/8 x 5/8-11	A24R	10,200	10
35613	4-1/2 x 1/8 x 5/8-11	A24R	13,300	10	35634	7 x 1/8 x 7/8	A24R	8,600	25
35675	5 x 1/8 x 7/8	A24R	12,250	25	35635	7 x 1/8 x 5/8-11	A24R	8,600	10
35676	5 x 1/8 x 5/8-11	A24R	12,250	10	35648	9 x 1/8 x 7/8	A24R	6,650	25
35630	6 x 1/8 x 7/8	A24R	10,200	25	35649	9 x 1/8 x 5/8-11	A24R	6,650	10

1/8" (.125) WHITE ALUMINUM OXIDE STAINLESS STEEL GRINDING WHEELS

WHITE ALUMINUM

- White Aluminum Oxide grain with S-grade bond. Contaminant Free wheel for fast cutting of stainless steel, ferrous metals. Contains ≤0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results.

Ultra Type 27 White Aluminum Stainless Steel				
UPC	Size	Spec	RPM	Box Qty
35616	4-1/2 x 1/8 x 7/8	WA24S	13,300	25
35617	4-1/2 x 1/8 x 5/8-11	WA24S	13,300	10
36189	6 x 1/8 x 7/8	WA24S	10,200	25
36190	6 x 1/8 x 5/8-11	WA24S	10,200	10



1/8" (.160) ULTRA PIPELINE T-BOND GRINDING WHEELS

BETTER

ALUMINUM OXIDE

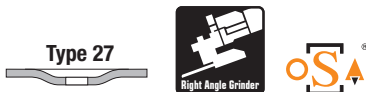
- Ideal for cutting & light grinding.

Ultra T-Bond Type 27 Aluminum Oxide				
UPC	Size	Spec	RPM	Box Qty
35666	4-1/2 x 1/8 x 7/8	A24T	13,300	25
35664	4-1/2 x 1/8 x 5/8-11	A24T	13,300	10
45200	5 x 1/8 x 7/8	A24T	12,250	25
45201	5 x 1/8 x 5/8-11	A24T	12,250	10
45206	6 x 1/8 x 7/8	A24T	10,200	25
45207	6 x 1/8 x 5/8-11	A24T	10,200	10
35679	7 x 1/8 x 7/8	A24T	8,600	25
35680	7 x 1/8 x 5/8-11	A24T	8,600	10



Fast Cut 1/8" (.160) PIPELINE T-BOND GRINDING WHEELS

GOOD



Fast Cut T-Bond Type 27 Aluminum Oxide				
UPC	Size	Spec	RPM	Box Qty
59100	4-1/2 x 1/8 x 7/8	A24T	13,300	25
59101	4-1/2 x 1/8 x 5/8-11	A24T	13,300	10
36246	6 x 1/8 x 7/8	A24T	10,200	25
36247	6 x 1/8 x 5/8-11	A24T	10,200	10
36248	9 x 1/8 x 7/8	A24T	6,650	25
36249	9 x 1/8 x 5/8-11	A24T	6,650	10





C3 GREEN WHEEL

BEST

CERAMIC

- High concentration of ceramic grain provides for very fast grinding and long life.
- Contains less than 0.1% of iron, sulfur & chlorine.
- Use on: stainless steel, steel, hard face, titanium, inconel, aluminum.



1/8" / 3.2mm / .125

Aluminum C3 Grinding Wheels | Ceramic | Type 27

UPC	Size	Spec	RPM	Box Qty
49750	4-1/2 x 1/8 x 7/8	ASL36P	13,300	25
49751	4-1/2 x 1/8 x 5/8-11	ASL36P	13,300	10

GREEN GRIND GRINDING WHEELS

BETTER

ZIRCONIA

- Zirconia Premium grain allows for high performance grinding action.
- Faster metal removal than aluminum oxide wheels.
- Ideal for tank fabrication, power plant maintenance and metal fabrication.
- Contains less than 0.1% of iron, sulfur & chlorine.
- Grain and bond engineered for cooler working. Does not discolor or warp stainless steel.
- Made for smoother, quieter working and less operator fatigue.
- Use on: stainless steel, steel, hard face, titanium, inconel, aluminum.



5/32" / 4mm / .16

Aluminum Green Grind Grinding Wheels | Zirconia | Type 27

UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
49543	4-1/2 x 5/32 x 7/8	ZA36	13,300	25	49548	7 x 5/32 x 5/8-11	ZA36	8,500	10
49544	4-1/2 x 5/32 x 5/8-11	ZA36	13,300	10	49752	4-1/2 x 1/4 x 7/8	ZA36	13,300	10
49545	5 x 5/32 x 7/8	ZA36	12,250	25	49753	4-1/2 x 1/4 x 5/8-11	ZA36	13,300	10
49547	7 x 5/32 x 7/8	ZA36	8,500	25					

MINI DEPRESSED CENTER GRINDING WHEEL

ALUMINUM OXIDE

- Automotive parts manufacturing, sheet metal production, finishing work, weld spot cleaning, ornamental iron work, rough die cast cleaning & detailing, light to heavy stock removal.
- Compact and lightweight for easy use in hard to reach work areas.
- Advanced abrasive grain blend for smooth grinding.
- Designed to last longer than traditional sanding discs and some carbide burs in the market.
- Fiberglass reinforced for overall safety.



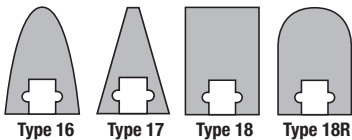
Type 27



Mini Grinding Discs Aluminum Oxide				
UPC	Size	Spec	RPM	Box Qty
49682	2-5/16 x 5/32 x 3/8	A40	20,000	25
49683	2-5/16 x 5/32 x 3/8	A60	20,000	25
49684	2-5/16 x 5/32 x 3/8	A80	20,000	25

RESIN CONES & PLUGS

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



Resin Cones Aluminum Oxide Type 16				
UPC	Size	Spec	RPM	Box Qty
49017	1-1/2 x 2-1/2 x 5/8-11	A16R	24,100	10
49018	1-1/2 x 3 x 3/8-24	A16R	24,100	10
49019	1-1/2 x 3 x 5/8-11	A16R	24,100	10
36238	2 x 3 x 5/8-11	A24R	18,800	10
49021	2 x 3 x 5/8-11	A16R	18,800	10
49022	2-3/4 x 3-1/2 x 5/8-11	A16R	13,200	10
49023	3 x 3 x 5/8-11	A16R	13,200	10

Resin Cones Aluminum Oxide Type 17				
UPC	Size	Spec	RPM	Box Qty
49027	1-1/2 x 2-1/2 x 5/8-11	A16R	24,100	10
49028	2-1/2 x 3 x 5/8-11	A16R	18,800	10
49029	2 x 3 x 5/8-11	A16R	18,800	10

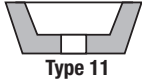
Resin Plugs Aluminum Oxide Type 18				
UPC	Size	Spec	RPM	Box Qty
49031	1-1/2 x 2-1/2 x 5/8-11	A16R	24,100	10
49032	1-1/2 x 3 x 3/8-24	A16R	24,100	10
49033	1-1/2 x 3 x 5/8-11	A16R	24,100	10
36239	2 x 3 x 5/8-11	A24R	18,800	10
49035	2 x 3 x 5/8-11	A16R	18,800	10

Resin Plugs Aluminum Oxide Type 18R				
UPC	Size	Spec	RPM	Box Qty
49038	1-1/2 x 2-1/2 x 5/8-11	A16R	24,100	10
49039	1-1/2 x 3 x 3/8-24	A16R	24,100	10
49040	1-1/2 x 3 x 5/8-11	A16R	24,100	10
36240	2 x 3 x 5/8-11	A24R	18,800	10
49042	2 x 3 x 5/8-11	A18R	18,800	10
49043	3x 3 x 5/8-11	A16R	13,200	10



RESIN CUP WHEELS

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

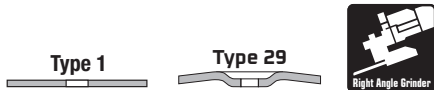


Resin Cup Wheels Type 11 No Steel Back				
UPC	Size	Spec	RPM	Box Qty
49000	4/3 x 2 x 5/8-11	A16Q	9,070	1
49002	4/3 x 2 x 5/8-11	SC16N	9,070	1
49003	4/3 x 2 x 5/8-11	CA16N	9,070	1
49004	5/4 x 2 x 5/8-11	A16Q	7,260	1
49005	5/4 x 2 x 5/8-11	A24Q	7,260	1
49007	5/4 x 2 x 5/8-11	CA16N	7,260	1
35900	6/4-3/4 x 2 x 5/8-11	A16Q	6,048	5
49010	6/4-3/4 x 2 x 5/8-11	A24Q	6,048	5

Resin Cup Wheels Type 11 W/ Steel Back				
UPC	Size	Spec	RPM	Box Qty
49001	4/3 x 2 x 5/8-11	A16Q	9,070	1
49009	6/4-3/4 x 2 x 5/8-11	A16Q	6,048	1
49012	6/4-3/4 x 2 x 5/8-11	A24Q	6,048	1
49013	6/4-3/4 x 2 x 5/8-11	SC16N	6,048	1
49015	6/4-3/4 x 2 x 5/8-11	CA16Q	6,048	1

D3-DIAMOND – DEPRESSED CENTER DIAMOND

- Longer working life - advanced brazing process and high-quality diamonds for less down time for increased production times.
- Can be used on sheet metal up to 3/8" thick or metal bar up to 3/4" thick.
- Cleaner and easier working – designed to produce fewer sparks, no odor and less material debris.
- Safer working – solid steel body. No fractures and breaks.

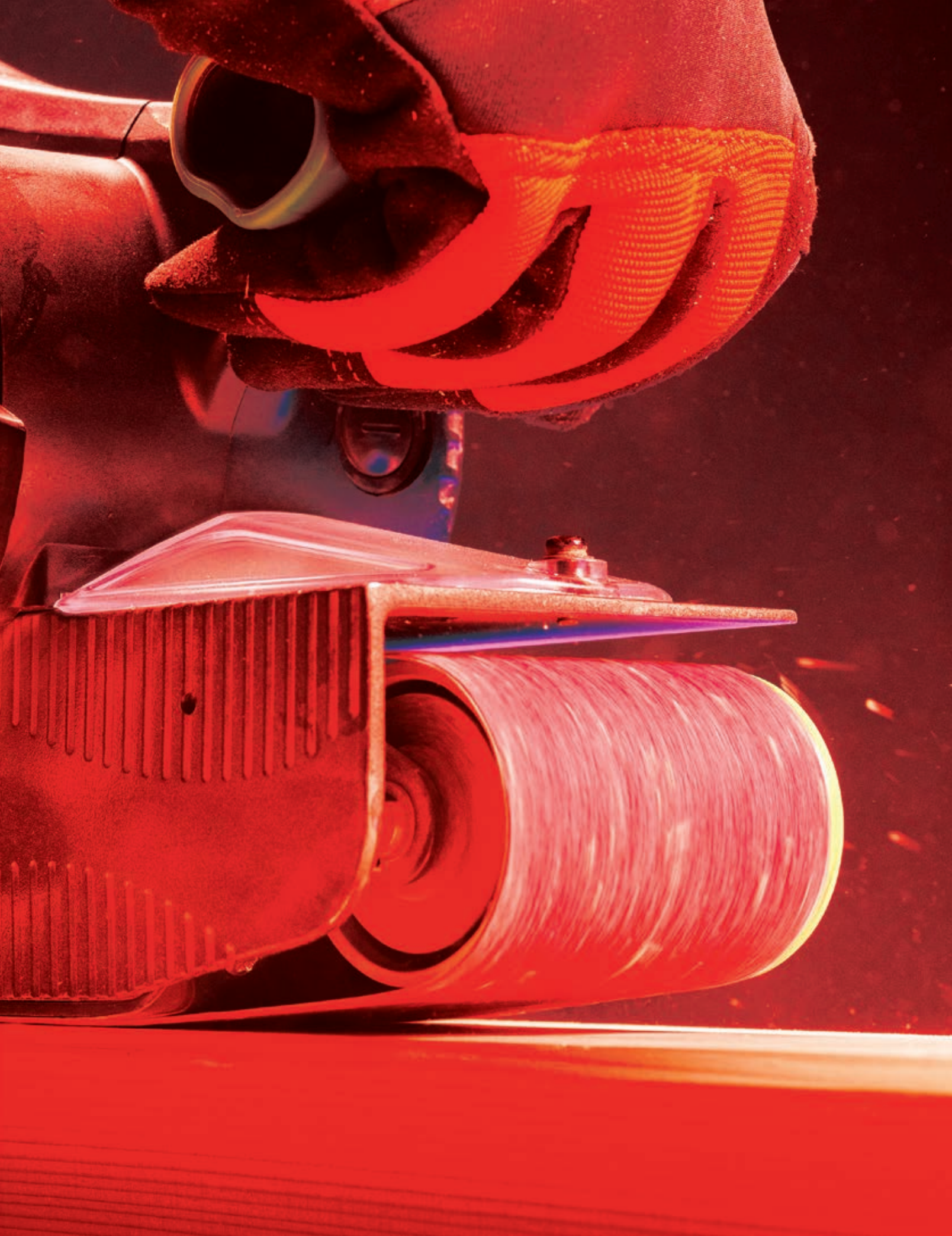


Diamond Depressed Center Grinding Wheel Type 29				
UPC	Size	Use	Grit	Box Qty
70401	4-1/2 x 5/8-11	Notch/Cut/Grind	24	1
70407	7 x 5/8-11	Notch/Cut/Grind	24	1

Diamond High Speed Grinding Wheels Type 1				
UPC	Size	Use	Grit	Box Qty
70430	16 x .15 x 1	Cut-Off Wheel	30	1
70432	20 x .17 x 1	Cut-Off Wheel	30	1

At Least
25X
the Life of
Resin Wheels

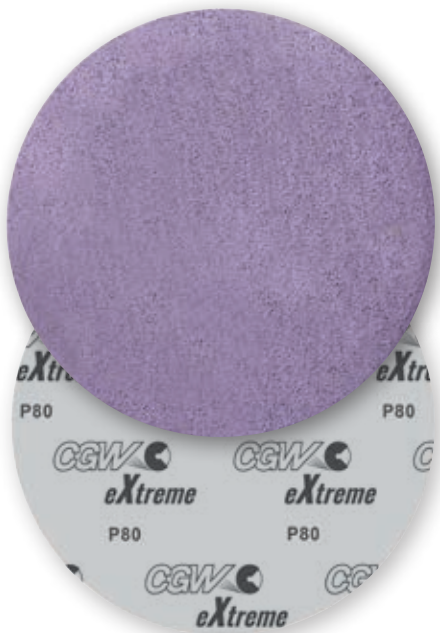






SANDING CONTENT

PAPER SANDING DISCS	68
FILM SANDING DISCS	70
CLOTH SANDING DISCS	71
FINISHING SANDING DISCS	72
SANDING DISC PADS	73
SANDING SHEETS	75
BELTS	77



FEATURED PRODUCT

eXtreme paper sanding discs

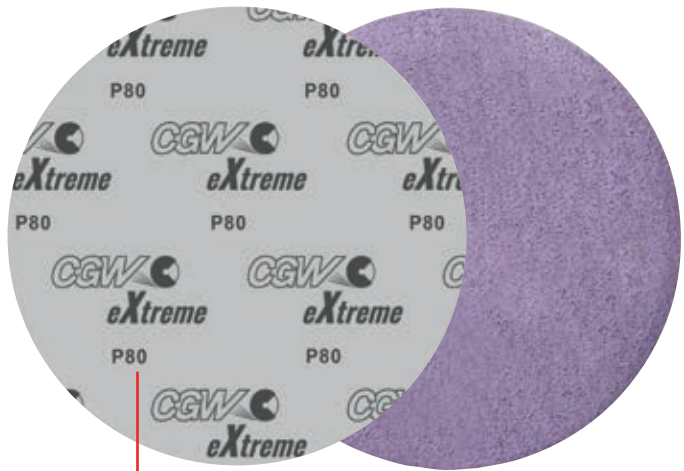
- Premium sharp ceramic grain for best sanding results.
- Consistent finish with 2X life over conventional discs.
- Anti-clogging with stearate coating resists loading.
- Maximum performance relative to cost.

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UP TO **2X**

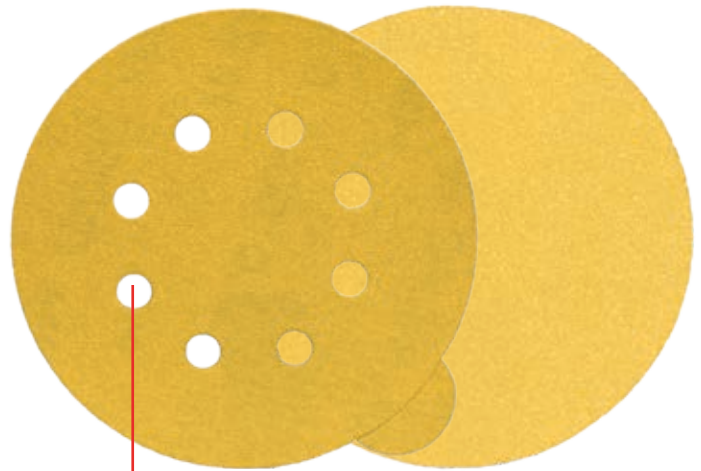
THE LIFE OF
CONVENTIONAL
SANDING PRODUCTS

READING SANDING SPECIFICATIONS



GRIT

P80
P=FEPA Standard

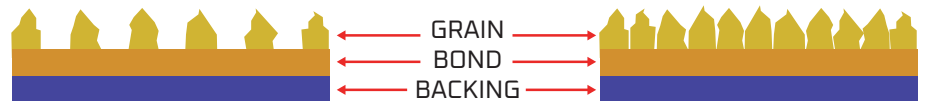


8 VAC

Number of
Vacuum Holes

Flexibility	Paper Backing Weight	Cloth Backing Weight	Application/Use
Higher	B		Light
↑	C	F	↑
	D	J	
↓	E	X	↓
	F	Y	

ABRASIVE GRAIN SPACING AND WEIGHT



OPEN COAT
Greater flexibility, faster cutting, coarser finish and provide a greater resistance to loading.

CLOSED COAT
Better finish and a higher amount of stock removal during the life of the product.



SANDING ICONS EXPLAINED

DISC TERMS

DOR=Disc on roll

DWT=Disc with tab

PSA=Pressure sensitive adhesive

VAC=Vacuum holes

Hook & Loop=Rapid change and reusable discs

TOOL TYPES



MATERIAL APPLICATIONS



CERTIFICATIONS



Contaminant free certification for rust & corrosion free results

SANDING GRAINS

BEST



CERAMIC
BEST PRODUCTIVITY

BETTER



ZIRCONIA
BEST SELLER

GOOD



ALUMINUM OXIDE
BEST VALUE



MADE-TO-ORDER

CGW Abrasives NEW Express Belt Program offers you fast and competitively priced made-to-order service on narrow and wide belts used for stock removal, deburring, blending, shaping and polishing on a range of materials.

Narrow Belts				
	Width	Minimum Order Qty	Case Qty	Lead Times
	0.5" to 2" width and up to 60" length	100	200	5 days
	Over 2" to 8"	10	50	5 days
	Over 8" to 12"	10	20	5 days

Wide Belts				
	Width	Minimum Order Qty	Case Qty	Lead Times
	14"-27" – 100 grit and finer	6	6	5 days
	14"-27" – 80 and coarser	4	4	5 days
	27"+ – 100 grit and finer	5	5	5 days
	27"+ – 80 and coarser	3	3	5 days



Metalworking

	BEST	BETTER	GOOD
GRAIN	Ceramic	Zirconia Zirconia w/Grinding Aid	Aluminum Oxide
APPLICATION	Heavy stock removal on metals Stainless steel, exotic metals	Excels on stainless steel Metal, stainless steel, wood	General purpose: metal, aluminum,brass, wood

Woodworking

	BETTER		GOOD		
GRAIN	Aluminum Oxide	Silicon Carbide	Aluminum Oxide Poly Cotton Back	Silicon Carbide, Paper Back	Aluminum Oxide, Paper Back
APPLICATION	Long life on solid woods, plywood	MDF, particle board, panel	General purpose: all wood types	Best choice for superior finish	Antistatic coating to minimize dust

TO GET STARTED ON A CUSTOM ORDER,
CONTACT CUSTOMER SERVICE AT
800.447.4248
ORDERS@CGWABRASIVES.COM

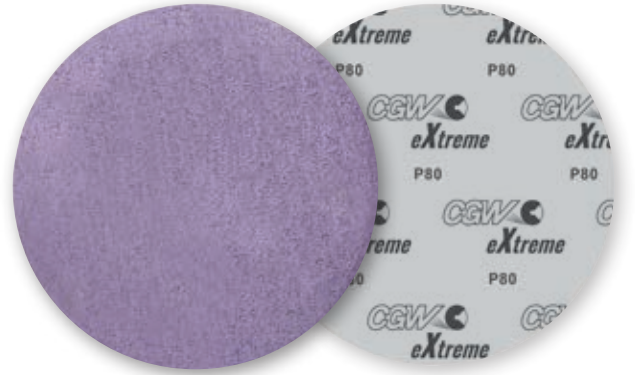
eXtreme PAPER SANDING DISCS

BEST

CERAMIC

Ceramic, C-Weight Latex Paper Backing, Open Coat

- Premium sharp ceramic grain for best sanding results.
- Consistent finish with 2X life over conventional discs.
- Anti-clogging with stearate coating resists loading.
- Maximum performance relative to cost.



eXtreme Paper Sanding Discs | Ceramic | Hook & Loop | Disc on a Roll

UPC	Size	VAC	Grit	QTY
52274	5	0	P60	100
52275	5	0	P80	100
52276	5	0	P100	100
52277	5	0	P120	100
52278	5	0	P150	100
52279	5	0	P180	100
52280	5	0	P220	100
52281	5	0	P320	100
52311	5	0	P400	100
52312	5	0	P600	100
52313	5	0	P800	100
52314	6	0	P60	100
52282	6	0	P80	100
52283	6	0	P100	100
52284	6	0	P120	100
52285	6	0	P150	100
52286	6	0	P180	100
52287	6	0	P220	100
52288	6	0	P320	100
52315	6	0	P400	100
52316	6	0	P600	100
52317	6	0	P800	100

eXtreme Paper Sanding Discs | Ceramic | Pressure Sensitive Adhesive | Disc on a Roll

UPC	Size	VAC	Grit	QTY
52370	5	0	P60	100
52289	5	0	P80	100
52290	5	0	P100	100
52291	5	0	P120	100
52292	5	0	P150	100
52293	5	0	P180	100
52294	5	0	P220	100
52295	5	0	P320	100
52308	5	0	P400	100
52309	5	0	P600	100
52310	5	0	P800	100
52306	6	0	P60	100
52296	6	0	P80	100
52297	6	0	P100	100
52298	6	0	P120	100
52299	6	0	P150	100
52300	6	0	P180	100
52301	6	0	P220	100
52302	6	0	P320	100
52303	6	0	P400	100
52304	6	0	P600	100
52305	6	0	P800	100



ALUMINUM OXIDE PAPER SANDING DISCS

BETTER

ALUMINUM OXIDE

- Made with a strong tear resistant material that out performs other gold weight discs.
- Stearated paper with heat treated aluminum oxide grain and a full phenolic bond system provides uniform scratch pattern.
- Open coat disc delivers fast cut and exceptionally long life.



Aluminum Oxide Paper Sanding Discs Discs on a Roll				
UPC	Size	VAC	Grit	QTY
49761	5	0	P60	50
49762	5	0	P80	100
49763	5	0	P100	100
49764	5	0	P120	100
49765	5	0	P150	100
49766	5	0	P180	100
49767	5	0	P220	100
49776	6	0	P60	50
49777	6	0	P80	100
49778	6	0	P100	100
49779	6	0	P120	100
49780	6	0	P150	100
49781	6	0	P180	100
49782	6	0	P220	100

Aluminum Oxide Paper Sanding Discs Disc with Tab									
UPC	Size	VAC	Grit	QTY	UPC	Size	VAC	Grit	QTY
49790	5	0	P40	50	49855	5	8	P150	100
49791	5	0	P60	50	49805	6	0	P40	50
49792	5	0	P80	100	49806	6	0	P60	50
49793	5	0	P100	100	49807	6	0	P80	100
49794	5	0	P120	100	49808	6	0	P100	100
49795	5	0	P150	100	49809	6	0	P120	100
49796	5	0	P180	100	49810	6	0	P150	100
49797	5	0	P220	100	49811	6	0	P180	100
49798	5	0	P240	100	49812	6	0	P220	100
49800	5	0	P320	100	49813	6	0	P240	100
49801	5	0	P400	100	49815	6	0	P320	100
49852	5	8	P80	100	49816	6	0	P400	100
49853	5	8	P100	100	49818	6	0	P600	100
49854	5	8	P120	100					

Aluminum Oxide Paper Sanding Discs Hook & Loop Discs on a Roll				
UPC	Size	VAC	Grit	QTY
49925	5	0	P40	50
49926	5	0	P60	50
49927	5	0	P80	100
49928	5	0	P100	100
49929	5	0	P120	100
49930	5	0	P150	100
49931	5	0	P180	100
49932	5	0	P220	100
49935	5	0	P320	100
49936	5	0	P400	100

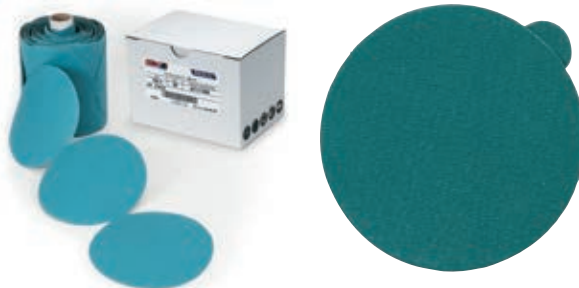
Aluminum Oxide Paper Sanding Discs Hook & Loop Disc with Tab									
UPC	Size	VAC	Grit	QTY	UPC	Size	VAC	Grit	QTY
49956	5	5	P60	50	49986	5	8	P60	50
49957	5	5	P80	100	49987	5	8	P80	100
49958	5	5	P100	100	49988	5	8	P100	100
49959	5	5	P120	100	49989	5	8	P120	100
49960	5	5	P150	100	49990	5	8	P150	100
49961	5	5	P180	100	49991	5	8	P180	100
49962	5	5	P220	100	49992	5	8	P220	100
49985	5	8	P40	50	49995	5	8	P320	100

FILM SANDING DISCS

BETTER

ALUMINUM OXIDE

- Film is the best choice for dry and wet sanding applications.
- Film backing – fast, consistent finish, longer life. Strong, yet pliable .003 Mylar backing.
- Film offers up to 4X the life vs. paper discs.



Aluminum Oxide Film Sanding Discs Pressure Sensitive Adhesive Disc on roll				
UPC	Size	VAC	Grit	QTY
51015	5	0	P80	100
51017	5	0	P120	100
51018	5	0	P150	100
51019	5	0	P180	100
51020	5	0	P220	100

Aluminum Oxide Film Sanding Discs Pressure Sensitive Adhesive Disc with Tab				
UPC	Size	VAC	Grit	QTY
51051	5	0	P80	100
51052	5	0	P100	100
51353	5	0	P120	100
51054	5	0	P150	100
51055	5	0	P180	100
51056	5	0	P220	100
51059	5	0	P320	100
51060	5	0	P400	100
51062	5	0	P600	100
51063	5	0	P800	100

Aluminum Oxide Film Sanding Discs Hook and Loop Disc on Roll				
UPC	Size	VAC	Grit	QTY
51231	5	0	P80	100
51232	5	0	P100	100
51233	5	0	P120	100
51234	5	0	P150	100
51235	5	0	P180	100

Aluminum Oxide Film Sanding Discs Hook and Loop Disc with Tab				
UPC	Size	VAC	Grit	QTY
51303	5	8	P80	100
51304	5	8	P100	100
51305	5	8	P120	100
51306	5	8	P150	100
51307	5	8	P180	100
51308	5	8	P220	100

PREMIUM ZA Y-WEIGHT RESIN CLOTH PSA DISCS W/GRINDING AID

BEST

ZIRCONIA AD

- Y-Weight resin bond polyester cloth disc with two coatings of grinding aid. Applications: Cast iron, nickel, stainless steel.

Premium ZA Y-Weight Resin Cloth Pressure Sensitive Adhesive Sanding Discs			
UPC	Size	Grit	QTY
52819	20	36	25
52820	20	40	25
52773	5	50	50
52774	5	60	50
52822	20	60	25
52775	5	80	50
52823	20	80	80





PREMIUM ZA Y-WEIGHT RESIN CLOTH PSA DISCS

BEST
ZIRCONIA

- Y-Weight resin bond polyester cloth disc with active filler for fast cutting action.
- Very cool cutting action and long disc life. Applications: Stainless steel, steel & aluminum.

Premium ZA Y-Weight Resin Cloth | Pressure Sensitive Adhesive | Sanding Disc | Disc on Roll

UPC	Size	Grit	QTY	UPC	Size	Grit	QTY
52714	5	36	50	52747	12	40	25
52716	5	50	50	52748	12	50	25
52717	5	60	50	52749	12	60	25
52718	5	80	50	52750	12	80	25
52720	5	120	50	52762	20	36	25
52746	12	36	25				



PREMIUM AO X-WEIGHT RESIN CLOTH SANDING DISCS

GOOD
ALUMINUM OXIDE

- Tough and durable X-Weight resin bond cloth disc for general purpose work.

Premium AO X-Weight Resin Cloth Pressure Sensitive Adhesive Sanding Discs | Disc on roll

UPC	Size	Grit	QTY
52636	5	36	50
52637	5	40	50
52638	5	50	50
52639	5	60	50
52640	5	80	50
52642	5	120	50
52647	6	36	50
52648	6	40	50
52650	6	60	50
52651	6	80	50
52653	6	120	50
52680	12	36	25
52681	12	40	25
52682	12	50	25
52683	12	60	25
52684	12	80	25
52686	12	120	25



ALUMINUM OXIDE J-WEIGHT SANDING DISCS

GOOD

ALUMINUM OXIDE

- Flexible J-Weight polyester/cotton cloth is an outstanding product for the right applications and is worth the higher cost of cloth disc compared to paper.
- Applications: wood sanding, mold sanding, contour sanding, breaking edges.



Aluminum Oxide J-Weight Cloth Pressure Sensitive Adhesive Sanding Discs | Disc on roll

UPC	Size	Grit	QTY	UPC	Size	Grit	QTY
51657	5	P60	50	51661	5	P150	100
51658	5	P80	50	51662	5	P180	100
51659	5	P100	100	51663	5	P220	100
51660	5	P120	100				

FINISHING DISCS – HOOK AND LOOP

- Impregnated with abrasive grain for fast material removal.
- Designed for long working life and resists loading.
- Use on steel, stainless steel, aluminum, titanium and alloys, fiber glass, plastic and glass fiber.



Finishing Discs | Hook & Loop

UPC	Size	Spec	RPM	Box Qty	UPC	Size	Spec	RPM	Box Qty
70006	4-1/2	Coarse/Brown	12,000	10	70013	5	Medium/Maroon	10,000	10
70007	4-1/2	Medium/Maroon	12,000	10	70014	5	Very Fine/Blue	10,000	10
70008	4-1/2	Very Fine/Blue	12,000	10	70022	7	Heavy Duty/Brown/Coarse	6,000	10
70010	4-1/2	Heavy Duty/Brown/Coarse	12,000	10	70023	7	Coarse/Brown	6,000	10
70011	4-1/2	Heavy Duty/Maroon/Medium	12,000	10	70024	7	Medium/Maroon	6,000	10
70012	5	Coarse/Brown	10,000	10	70025	7	Very Fine/Blue	6,000	10

FINISHING DISCS – HOOK AND LOOP WITH ARBOR HOLE

Finishing Discs | Hook & Loop with Arbor Hole

UPC	Size	Spec	RPM	Box Qty
70029	4-1/2 x 7/8	Coarse/Tan	12,000	10
70030	4-1/2 x 7/8	Medium/Maroon	12,000	10
70031	4-1/2 x 7/8	Very Fine/Blue	12,000	10
70032	5 x 7/8	Coarse/Tan	10,000	10
70033	5 x 7/8	Medium/Maroon	10,000	10
70034	5 x 7/8	Very Fine/Blue	10,000	10





7000 SERIES FIBERGLASS HUBBED DISC PADS

Disc Pad Selection Information

- **Firm Pads** – designed for use on flat surfaces & with grits 100 and coarser.
- **Medium Pads** – designed for use on both flat & curved surfaces with grits 120 – finer.

Molded urethane body:

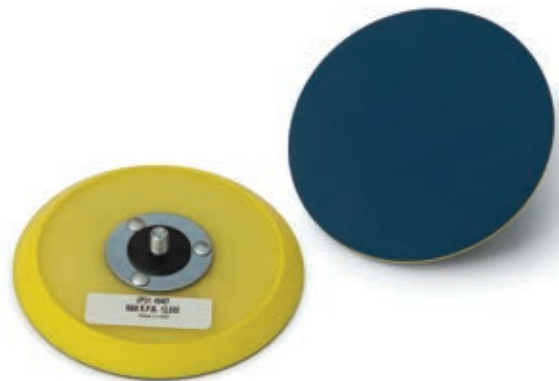
- Hub, foam & facing are all one molded unit.
- More durable and longer lasting than bonded pads.

FIBERGLASS HUBBED PSA DISC PADS

- Durable vinyl face for production sanding.
- Strong hub for heat resistance.
- To use with **Orbital Sander only**.

**USA
MADE**

Fiberglass Hubbed PSA Disc Pads				
UPC	Size	Pad Type	RPM	Qty
49406	5 x 5/16-24	Medium	10,000	1
49407	5 x 5/16-24	Firm	12,000	1
49423	6 x 5/16-24	Medium	10,000	1
49424	6 x 5/16-24	Firm	10,000	1



FIBERGLASS HUBBED HOOK & LOOP DISC PADS

- "J" hook face for strong hook & loop attachment for production sanding.
- Strong hub for heat resistance.
- To use with **Orbital Sander only**.

**USA
MADE**

Fiberglass Hubbed Hook & Loop Disc Pads				
UPC	Size	Pad Type	RPM	Qty
49413	5 x 5/16-24	Medium	10,000	1
49426	6 x 5/16-24	Medium	10,000	1



BACKING PADS

- 4-8" pads with internal 5/8-11 threads.
- 1/4" foam for medium stiffness and maximum grip for hook and loop discs.



Backing Pads		
UPC	Size	Qty
49532	4 x 5/8-11	1
49533	4-1/2 x 5/8-11	1
49534	5 x 5/8-11	1
49536	7 x 5/8-11	1

SHOP ROLLS

ALUMINUM OXIDE

- High flexibility cotton cloth and bonding technology with special flexible Phenolic Resin. This bonding technology provides limited grain shedding.
- Semi-friable Aluminum Oxide abrasive grains provides aggressive sanding while long lasting performance.
- Perfect for plumbing, working on lathes, details of fine craftsmanship.



Shop Rolls											
UPC	Grit	Size	Qty	UPC	Grit	Size	Qty	UPC	Grit	Size	Qty
63092	40	1" x 50 YDS	1	63095	40	1-1/2" x 50 YDS	1	63098	40	2" x 50 YDS	1
63062	60	1" x 50 YDS	1	63072	60	1-1/2" x 50 YDS	1	63082	60	2" x 50 YDS	1
63063	80	1" x 50 YDS	1	63073	80	1-1/2" x 50 YDS	1	63083	80	2" x 50 YDS	1
63064	100	1" x 50 YDS	1	63074	100	1-1/2" x 50 YDS	1	63084	100	2" x 50 YDS	1
63065	120	1" x 50 YDS	1	63075	120	1-1/2" x 50 YDS	1	63085	120	2" x 50 YDS	1
63066	150	1" x 50 YDS	1	63076	150	1-1/2" x 50 YDS	1	63086	150	2" x 50 YDS	1
63067	180	1" x 50 YDS	1	63077	180	1-1/2" x 50 YDS	1	63087	180	2" x 50 YDS	1
63068	220	1" x 50 YDS	1	63078	220	1-1/2" x 50 YDS	1	63088	220	2" x 50 YDS	1
63069	240	1" x 50 YDS	1	63079	240	1-1/2" x 50 YDS	1	63089	240	2" x 50 YDS	1
63070	320	1" x 50 YDS	1	63080	320	1-1/2" x 50 YDS	1	63090	320	2" x 50 YDS	1
63071	400	1" x 50 YDS	1	63081	400	1-1/2" x 50 YDS	1	63091	400	2" x 50 YDS	1

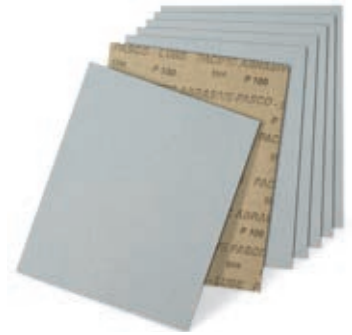


CSA STEARATED PAPER SHEETS 9"X11" A WEIGHT - OPEN COAT

ALUMINUM OXIDE

- Aluminum oxide grain treated with zinc stearate for non-loading lubricating effect. The best finishing sheet in the industry.

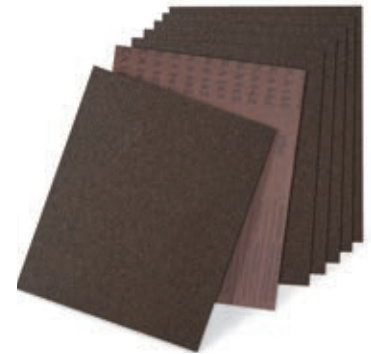
CSA Stearated Paper Sheets A-Weight		
UPC	Grit	Box Qty
44837	320	100
44838	280	100
44839	220	100
44841	120	100



FLEXIBLE CLOTH SHEETS, J-WEIGHT - CLOSED COAT

- Used extensively for metal working and maintenance departments.

Flexible Cloth Sheets J-Weight					
UPC	Grit	Box Qty	UPC	Grit	Box Qty
44917	400	50	44860	150	50
44919	320	50	44924	120	50
44921	240	50	44861	100	50
44922	220	50	44862	80	50
44923	180	50	44925	60	50



WATERPROOF SILICON CARBIDE SHEET, B-WEIGHT

- Hand or random orbital sanders. Can be used wet or dry. For metal working applications and final sanding of lacquered wood products. Backing is latex paper.

Waterproof Silicon Carbide Sheets B-Weight			Waterproof Silicon Carbide Sheets C-Weight		
UPC	Grit	Box Qty	UPC	Grit	Box Qty
44889	2000	50	44846	220	50
44865	1200	50	44847	180	50
44866	1000	50	44848	120	50
44867	800	50	44849	100	50
44843	600	50	44873	80	50
44844	400	50			
44845	320	50			
44871	240	50			



SILICON CARBIDE STEARATED SHEETS, A-WEIGHT

- Silicon carbide grain treated with zinc stearate for non-loading lubricating effect. For sanding and finishing of very hard surfaces such as lacquer and enamels.

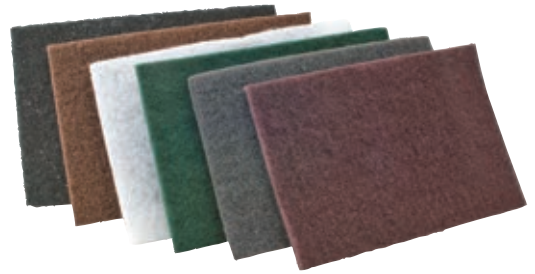


Silicon Carbide Stearated Sheets, A-Weight					
UPC	Grit	Box Qty	UPC	Grit	Box Qty
44851	320	100	44855	180	100
44852	280	100	44856	150	100
44854	220	100	44857	120	100

PREMIUM HAND PADS

BEST

- Strong, yet flexible premium pad construction for surface preparation.
- Maroon pads for rust removal, cleaning and surface preparation.
- Grey pads for fine finishing and surface preparation.
- Green pads for heavy duty cleaning.
- White pads are constructed from a non-abrasive material for light duty cleaning.
- Tan pads for rust removal and coarse finishes
- Black pads for aggressive use; heavy cleaning, deburring and finishing.



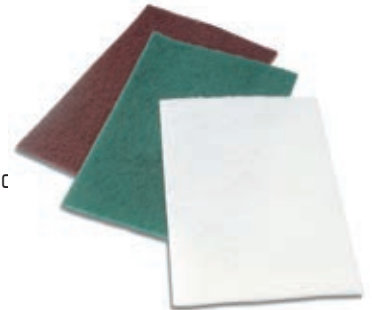
Premium, Longer Lasting, Hand Pads					
UPC	Color	Box Qty	UPC	Color	Box Qty
36287	Maroon	20	36286	Tan	20
36283	Grey	20	36288	Maroon	100
36284	Green	20	71151	Black	20
36285	White	20			



HAND PADS – ECONOMY

GOOD

- Non-woven material engineered for surface preparation.
- **Maroon – All Purpose**
 - Impregnated with abrasive grain and synthetic resin for long-lasting, versatile use.
 - Recommended for removing rust and corrosion and in surface preparation and cleaning applicatic
- **Green – General Cleaning**
 - Impregnated with medium abrasive grain for easy use and rinsing.
 - Recommended for cleaning all types of equipment, metal surfaces and other durable surfaces.
- **White – Light Duty**
 - Non-abrasive material does not make scratches and is long lasting.
 - Recommended for cleaning sensitive surfaces, metal, formica, solid surfaces, glass, and mirror.



Economy Hand Pads		
UPC	Color	Box Qty
36241	Maroon	60
36242	Green	60
36243	White	60





WIDE X-WEIGHT WOODWORKING BELTS

ALUMINUM OXIDE

- Durable grain on X-Weight backing, closed coat for rapid stock removal and long life.
- For plastics and wood.



Wide X-Weight Woodworking Belts

UPC	Size	Grit	Qty	UPC	Size	Grit	Qty
52870	37 x 60	80	3	52886	43 x 75	100	5
52871	37 x 60	100	5	52887	43 x 75	120	5
52872	37 x 60	120	5	52888	43 x 75	150	5
52873	37 x 60	150	5	52889	43 x 75	180	5
52874	37 x 60	180	5	52890	52 x 103	80	3
52875	37 x 75	80	3	52892	52 x 103	120	5
52876	37 x 75	100	5	52895	52 x 75	80	3
52877	37 x 75	120	5	52897	52 x 75	120	5
52878	37 x 75	150	5	52899	52 x 75	180	5
52879	37 x 75	180	5	52901	54 x 103	120	3
52885	43 x 75	80	3	52902	54 x 103	150	5

WIDE X-WEIGHT METALWORKING BELTS

ALUMINUM OXIDE

- Durable grain on X-Weight backing, closed coat for rapid stock removal and long life.
- For ferrous metals, stainless steel, non ferrous metals, & composites



Wide X-Weight Metalworking Belts

UPC	Size	Paper Weight	Grit	Qty
52865	37 x 60	X	180	5
52868	37 x 75	X	180	5
52869	37 x 75	X	220	5

Wide Y-Weight Metalworking Belts

UPC	Size	Paper Weight	Grit	Qty
52861	37 x 60	Y	80	3
52863	37 x 60	Y	120	5
52864	37 x 60	Y	150	5
52866	37 x 75	Y	120	5

NARROW BELTS: FILE & PORTABLE, BENCHSTAND/BACKSTAND BELTS

ALUMINUM OXIDE

GOOD

- Durable grain on X-Weight backing, closed coat for rapid stock removal and long life.
- For ferrous metals, stainless steel, non ferrous metals, composites, plastics and wood.

ZIRCONIA

BETTER

- **Premium Zirconia** on Y-Weight backing, closed coat for aggressive use and heavy duty applications.
- For steel and stainless steel.



Aluminum Oxide File Belts			
UPC	Size	Grit	Box Qty
61033	1/2 x 18	36	50
61034	1/2 x 18	40	50
61036	1/2 x 18	60	50
61037	1/2 x 18	80	50
61039	1/2 x 18	120	50
61041	1/2 x 24	36	50
61042	1/2 x 24	40	50
61044	1/2 x 24	60	50
61045	1/2 x 24	80	50
61047	1/2 x 24	120	50
61057	3/4 x 18	36	50
61060	3/4 x 18	60	50
61061	3/4 x 18	80	50
61063	3/4 x 18	120	50

Zirconia File Belts			
UPC	Size	Grit	Box Qty
61525	1/2 x 18	36	50
61526	1/2 x 18	40	50
61527	1/2 x 18	50	50
61528	1/2 x 18	60	50
61529	1/2 x 18	80	50
61531	1/2 x 24	36	50
61532	1/2 x 24	40	50
61534	1/2 x 24	60	50
61535	1/2 x 24	80	50
61543	3/4 x 18	36	50
61546	3/4 x 18	60	50
61547	3/4 x 18	80	50



Aluminum Oxide Portable Metalworking Belts			
UPC	Size	Grit	Box Qty
61249	4 x 24	36	50
61250	4 x 24	40	50
61252	4 x 24	60	50
61253	4 x 24	80	50
61255	4 x 24	120	50

Aluminum Oxide Bench & Backstand Belts			
UPC	Size	Grit	Box Qty
61118	2 x 48	40	50
61120	2 x 48	60	50
61121	2 x 48	80	50
61123	2 x 48	120	50
61291	6 x 48	36	50
61292	6 x 48	40	50
61293	6 x 48	50	50
61294	6 x 48	60	50
61295	6 x 48	80	50
61297	6 x 48	120	50

Zirconia Bench & Backstand Belts			
UPC	Size	Grit	Box Qty
61579	2 x 48	36	50
61580	2 x 48	40	50
61581	2 x 48	50	50
61582	2 x 48	60	50
61583	2 x 48	80	50
61633	6 x 48	36	50
61634	6 x 48	40	50
61635	6 x 48	50	50
61636	6 x 48	60	50
61637	6 x 48	80	50



SURFACE CONDITIONING BELTS

Surface Conditioning material utilizes a substrate base (nylon fiber), a resin bond (phenolic or polyurethane) and abrasive grain. The fiber and resin are fully waterproof so the product can be used wet or dry. The structure is open so that the product resists loading and runs cool compared to coated abrasives.

- For cleaning, finishing, blending and deburring applications.
- Belts provide a linear grain scratch pattern for blending stainless welds.
- Blends and finishes without undercutting or gouging work pieces.
- Belts 40 inches and less are made from X-Flex material for flexibility. For hand held tools.
- Belts 40 inches and higher are made from Low Stretch material for reliable dimension holding – no stretching. For stationary machines.

Low Stretch Material is available as special order with 5-day conversion lead-time.



The product is available in three grades:

- Coarse (Brown)** – equivalent to 120 grit finish;
- Medium (Maroon)** – equivalent to 180 grit finish;
- Very Fine (Blue)** – equivalent to 320 grit finish.

X-Flex material is modified to give increased flexibility. For longer belts. Low Stretch material resists stretch in the length direction.

X-Flex Surface Conditioning Belts

UPC	Size	Spec	Box Qty	UPC	Size	Spec	Box Qty
59223	1/4 x 24	Coarse/Brown	50	59230	1/2 x 18	Medium/Maroon	50
59226	1/2 x 12	Coarse/Brown	50	59233	1/2 x 24	Medium/Maroon	50
59229	1/2 x 18	Coarse/Brown	50	59236	3/4 x 18	Medium/Maroon	50
59232	1/2 x 24	Coarse/Brown	50	59272	3 x 10-11/16	Medium/Maroon	50
59235	3/4 x 18	Coarse/Brown	50	59284	3-1/2 x 15-1/2	Medium/Maroon	10
59241	1 x 18	Coarse/Brown	50	59228	1/2 x 12	Very Fine/Blue	50
59271	3 x 10-11/16	Coarse/Brown	50	59231	1/2 x 18	Very Fine/Blue	50
59283	3-1/2 x 15-1/2	Coarse/Brown	50	59234	1/2 x 24	Very Fine/Blue	50
59221	1/4 x 18	Medium/Maroon	50	59237	3/4 x 18	Very Fine/Blue	50
59224	1/4 x 24	Medium/Maroon	50	59285	3-1/2 x 15-1/2	Very Fine/Blue	50
59227	1/2 x 12	Medium/Maroon	50				



WEAR-EYE
PROTECTION



WIRE BRUSH CONTENT

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CGW
WIRE
BRUSHES

20%
MORE LIFE THAN
TRADITIONAL
ABRASIVES



READING WIRE BRUSH SPECIFICATIONS

BRUSH SIZE
4"

TRIM LENGTH
13/13"

MAXIMUM OPERATING SPEED
20,000 R.P.M.

ARBOR SIZE
5/8-11

WIRE PATTERN & SIZE
Standard Knot - .014

FACE WIDTH
1/2"

SHANK SIZE
1"

Wire Size Specifications			
0.014	Finer Finish	↕	Longer Life
0.020			
0.025			
0.035	More Aggressive		Decreased Production Time



WIRE BRUSHES ICONS EXPLAINED

WIRE BRUSH TYPES



Knot Wire Wheel Brush – Standard

- Standard wire twist knot design for aggressive, yet uniform brushing action.
- For surface preparation, weld cleaning, heavy duty applications, general cleaning, weld cleaning, removal of rubber flash, scale, rust, and pipeline cleaning.



Knot Wire Wheel Brush – Stringer Bead

- Tightly twisted wire knots easily reach into narrow or recessed areas for quick material removal.
- For pipeline welding junctions, cleaning bead welds.



Knot Wire Wheel Brush – Cable Twist

- Sharp wire tip for aggressive action.



Crimped Wire

- Frayed wire design for pieces requiring rigorous work.
- For deburring, cleaning, blending, polishing and finishing.

WIRE BRUSH MATERIAL



Carbon Steel, the most durable, high strength fill material available for general purpose cleaning applications, is suitable for light to heavy duty cleaning depending on the wire diameter.



Stainless Steel fill material is suitable on metals such as aluminum and stainless steel when corrosion resistance and non-contaminant brushing actions are desired.



Oil Drawn Wire-Enhanced durability and flexibility, making it suitable for various applications such as springs and wire forms. Increased resistance to fatigue, improved strength, and the ability to withstand high stress and repeated bending.

WIRE APPLICATIONS

Workplace Material	Carbon Steel	Stainless Steel
Iron	○	
Carbon Steel/Metal	○	
Stainless Steel		○

REINFORCED KNOT WIRE WHEEL BRUSHES - STANDARD TWIST

- Knotted steel wire brushes designed for long time use.
- Optimal rust, corrosion, and paint removal.
- Ideal for contouring edges, corners and surfaces.



Reinforced Knot Wire Wheel Brushes - Standard Twist

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60001	4"	Carbon	0.014	5/8-11	1/2"	13/16"	20,000	6
60006	4"	Stainless	0.014	5/8-11	1/2"	13/16"	20,000	6
60011	4"	Stainless	0.020	5/8-11	1/2"	13/16"	20,000	6
60012	4"	Carbon	0.020	5/8-11	1/2"	7/8"	20,000	6
60013	5"	Carbon	0.020	5/8-11	1/2"	1"	12,000	6
60014	5"	Stainless	0.020	5/8-11	1/2"	1"	12,000	6
60052	6"	Carbon	0.020	5/8-11	1/2"	1-1/2"	9,000	6

REINFORCED KNOT WIRE WHEEL BRUSHES - STRINGER BEAD



Reinforced Knot Wire Wheel Brushes - Stringer Bead

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60020	4"	Carbon	0.020	5/8-11	1/4"	13/16"	20,000	6
60025	4"	Stainless	0.020	5/8-11	1/4"	13/16"	20,000	6
60035	5"	Carbon	0.020	5/8-11	1/4"	1"	12,000	6
60037	5"	Stainless	0.020	5/8-11	1/4"	1"	12,000	6

FAST CUT KNOT WIRE WHEEL BRUSHES - STANDARD TWIST



Knot Wire Wheel Brushes - Standard Twist

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60502	4"	Carbon	0.020	5/8-11	1/2"	7/8"	20,000	5
60503	5"	Carbon	0.020	5/8-11	1/2"	1"	12,000	5
60505	6"	Carbon	0.020	5/8-11	1/2"	1-3/8"	9,000	5



FAST CUT KNOT WIRE WHEEL BRUSHES - STRINGER BEAD



Knot Wire Wheel Brushes - Stringer Bead

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60520	4"	Carbon	0.020	5/8-11	1/4"	7/8"	20,000	5
60521	4"	Stainless	0.020	5/8-11	1/4"	7/8"	20,000	5
60522	5"	Carbon	0.020	5/8-11	1/4"	7/8"	11,000	5
60523	6"	Carbon	0.020	5/8-11	1/4"	1-1/4"	12,000	5
60524	6"	Stainless	0.020	5/8-11	1/4"	1-1/4"	12,000	5

FAST CUT KNOT WIRE WHEEL BRUSHES - CABLE TWIST



Knot Wire Wheel Brushes - Cable Twist

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60514	4"	Carbon	0.020	5/8-11	1/2"	7/8"	20,000	5
60515	4"	Stainless	0.020	5/8-11	1/2"	7/8"	20,000	5

REINFORCED WIRE CUP BRUSHES - KNOT

- Wire brushes made from oil tempered wire.
- Wire twist knot for high productivity and long life.
- For scale removal, deburring, weld cleaning and flat surfaces.
- For general cleaning and cleaning of corners and flat or curved work pieces.



Reinforced Wire Cup Brushes - Knot

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60060	2-3/4"	Carbon	0.014	5/8-11	2-3/4"	1"	14,000	6
60065	2-3/4"	Stainless	0.014	5/8-11	2-3/4"	1"	14,000	6
60070	2-3/4"	Carbon	0.020	5/8-11	2-3/4"	1"	14,000	6
60076	2-3/4"	Stainless	0.020	5/8-11	2-3/4"	1"	14,000	6
60090	3-1/2"	Carbon	0.020	5/8-11	3-1/2"	1-3/8"	12,500	1
60091	3-1/2"	Stainless	0.020	5/8-11	3-1/2"	1-3/8"	12,500	1
60104	4"	Carbon	0.020	5/8-11	4"	1-1/4"	9,000	1
60105	4"	Stainless	0.020	5/8-11	4"	1-1/4"	9,000	1
60106	6"	Carbon	0.020	5/8-11	6"	1-3/4"	6,600	1
60100	6"	Carbon	0.035	5/8-11	6"	1-3/4"	6,600	1



REINFORCED WIRE CUP BRUSHES - CRIMPED

- Knot wire cup brushes are designed for rigorous work pieces.
- For metal surface preparation, cleaning, removal of weld scale and rust.
- Removing scale, deburring, cleaning welds or flat surfaces, heavy duty application burr removal.



MADE IN USA



Reinforced Wire Cup Brushes - Crimped

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60120	2-3/4"	Carbon	0.014	5/8-11	2-3/4"	7/8"	14,000	6
60125	2-3/4"	Stainless	0.014	5/8-11	2-3/4"	7/8"	14,000	6
60110	4"	Carbon	0.020	5/8-11	4"	1-1/8"	9,000	1
60112	6"	Carbon	0.020	5/8-11	6"	1-1/2"	6,600	1

FAST CUT WIRE CUP BRUSHES - KNOT



Wire Cup Brushes - Knot

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60535	2-3/4"	Carbon	0.014	5/8-11	2-3/4"	1"	12,500	5
60536	2-3/4"	Stainless	0.014	5/8-11	2-3/4"	1"	12,500	5
60537	2-3/4"	Carbon	0.020	5/8-11	2-3/4"	1"	12,500	5
60538	2-3/4"	Stainless	0.020	5/8-11	2-3/4"	1"	12,500	5
60539	4"	Carbon	0.020	5/8-11	4"	1-1/4"	8,500	5
60540	4"	Stainless	0.020	5/8-11	4"	1-1/4"	8,500	5
60541	6"	Carbon	0.020	5/8-11	6"	1-3/4"	6,500	5
60542	6"	Stainless	0.020	5/8-11	6"	1-3/4"	6,500	5



FAST CUT WIRE CUP BRUSHES - CRIMPED



Wire Cup Brushes - Crimped

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60560	3"	Carbon	0.012	5/8-11	3"	7/8"	12,500	5
60561	3"	Stainless	0.012	5/8-11	3"	7/8"	12,500	5
60562	4"	Carbon	0.014	5/8-11	4"	1-1/8"	8,500	5
60563	4"	Stainless	0.014	5/8-11	4"	1-1/8"	8,500	5
60564	6"	Carbon	0.020	5/8-11	6"	1-1/2"	6,500	5





REINFORCED WIRE END BRUSHES - KNOT

- Wire brushes made from oil tempered wire.
- Designed for tight work spaces and higher brushing speeds (up to 22,000 RPM).
- For pipeline cleaning, CNC equipment maintenance/cleaning, removal of rust or scale.



MADE IN USA



Reinforced Wire End Brushes - Knot

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60130	3/4"	Carbon	0.014	1/4"	3/4"	1-1/8"	22,000	12
60131	1"	Carbon	0.020	1/4"	1"	1"	22,000	12
60132	1"	Stainless	0.020	1/4"	1"	1"	22,000	12

REINFORCED WIRE END BRUSHES - CRIMPED

- Wire brushes made from oil tempered wire.
- Designed for tight work spaces and higher brushing speeds (up to 22,000 RPM).
- For general use including blending, cleaning, and polishing.



MADE IN USA



Reinforced Wire End Brushes - Crimped

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60140	3/4"	Carbon	0.014	1/4"	3/4"	1"	22,000	12
60141	1"	Carbon	0.020	1/4"	1"	1"	22,000	12

FAST CUT WIRE END BRUSHES - KNOT



Wire End Brushes - Knot

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60575	3/4"	Carbon	0.014	1/4"	3/4"	1-1/8"	20,000	5
60576	3/4"	Carbon	0.020	1/4"	3/4"	1-1/8"	20,000	5
60577	3/4"	Stainless	0.014	1/4"	3/4"	1-1/8"	20,000	5
60578	1"	Carbon	0.014	1/4"	1"	1"	20,000	5
60579	1"	Stainless	0.014	1/4"	1"	1"	20,000	5
60580	1"	Carbon	0.020	1/4"	1"	1"	20,000	5

FAST CUT WIRE END BRUSHES - CRIMPED



Wire End Brushes - Crimped								
UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60590	3/4"	Carbon	0.014	1/4"	3/4"	1"	20,000	5
60591	3/4"	Stainless	0.014	1/4"	3/4"	1"	20,000	5
60592	1"	Carbon	0.014	1/4"	1"	1"	20,000	5
60593	1"	Stainless	0.012	1/4"	1"	1"	20,000	5

REINFORCED CRIMPED WIRE WHEEL BRUSHES - CONCAVE WITH SHANK

- Wire brushes made from oil tempered wire.
- Uniform brush design for use on drill presses or offhand for internal and external cleaning and deburring.
- For removal of rust, scale paint and weld splatter.



Reinforced Crimped Wire Wheel Brushes - Concave with Shank								
UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60160	1-1/2"	Carbon	0.012	1/4"	1/4"	1"	20,000	10
60161	2-1/2"	Carbon	0.014	1/4"	1/4"	2/3"	20,000	10
60162	3"	Carbon	0.014	1/4"	1/4"	1"	20,000	10

REINFORCED CRIMPED WIRE WHEEL BRUSHES - CONCAVE WITH SHANK

- Wire brushes made from oil tempered wire.
- Uniform brush design for use on drill presses or offhand for internal and external cleaning and deburring.
- For removal of rust, scale paint and weld splatter.



Reinforced Crimped Wire Wheel Brushes - with Shank								
UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60170	2"	Carbon	0.014	1/4"	1/4"	1/2"	25,000	10
60171	2"	Carbon	0.014	1/4"	1/4"	1"	25,000	10
60172	3"	Stainless	0.014	1/4"	1/4"	1"	25,000	10



REINFORCED CRIMPED WIRE WHEEL BRUSHES - HIGH SPEED



**MADE IN
USA**

Reinforced Crimped Wire Wheel Brushes - High Speed

UPC	Size	Type	Wire Size	Arbor Size	Face Width	Trim Length	RPM	Box Qty
60150	4"	Carbon	0.014	5/8-11"	2/7"	5/6"	15,000	6

REINFORCED CRIMPED WIRE WHEEL BRUSHES - NARROW FACE

- Flexible design can easily be paired to work on wide surfaces.
- For deburring narrow work pieces and paint and rust removal.



**MADE IN
USA**

Reinforced Crimped Wire Wheel Brushes - Narrow Face

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60180	8"	Carbon	0.014	1-1/4"	1/4"	1-1/2"	4,500	1
60182	6"	Carbon	0.014	1/2-5/8"	1/4"	1-1/8"	6,000	1

REINFORCED CRIMPED WIRE WHEEL BRUSHES - MEDIUM FACE

- For edge blending, deburring, rust removal, surface finishing.



**MADE IN
USA**

Reinforced Crimped Wire Wheel Brushes - Medium Face

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60190	6"	Carbon	0.014	1/2-5/8"	1/3"	1"	6,000	1

REINFORCED CRIMPED WIRE WHEEL BRUSHES - WIDE FACE

- For deburring, rust removal, surface finishing.



**MADE IN
USA**

Reinforced Crimped Wire Wheel Brushes - Wide Face

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60195	7"	Carbon	0.014	5/8"	1/2"	1-5/9"	6,000	1

FAST CUT CRIMPED WIRE WHEEL BRUSHES - HIGH SPEED



Crimped Wire Wheel Brushes - High Speed

UPC	Size	Type	Wire Size	Shank Size	Face Width	Trim Length	RPM	Box Qty
60650	4"	Carbon	0.014	5/8-11	2/7"	5/6"	15,000	5
60651	4"	Stainless	0.014	5/8-11	2/7"	5/6"	15,000	5

SCRATCH BRUSHES - CURVED

- Designed with kiln-dried hardwood handles for maximum tuft retention and high-quality, staple set wire for long life.

Curved Scratch Brushes With Hang-up Hole

UPC	Rows	Type	Box Qty
60201	3 x 19	Carbon Steel	12
60202	3 x 19	Stainless	12

Small Cleaning Scratch Brush

UPC	Rows	Type	Box Qty
60211	3 x 7	Stainless	36



CHIP BRUSHES

Chip / Paint Brushes

UPC	Size	Box Qty
60226	1"	36
60228	2"	24
60229	3"	12
60230	4"	12





WIRE BRUSHES - IN BULK



Bulk Knot Wire Wheel Brushes - Standard Twist

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49635	4"	Carbon	0.020	5/8-11	20,000	10	50	60502	84
49636	4"	Stainless	0.020	5/8-11	20,000	10	50	60011	84

Bulk Knot Wire Wheel Brushes - Cable Twist Wheel Brush

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49638	4"	Stainless	0.020	5/8-11	20,000	10	50	60515	85

Bulk Knot Wire Wheel Brushes- Stinger Bead

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49639	4"	Carbon	0.020	5/8-11	20,000	10	50	60520	85
49640	4"	Stainless	0.020	5/8-11	20,000	10	50	60521	85
49641	6"	Carbon	0.020	5/8-11	12,000	10	50	60523	85

Bulk Knot Wire Cup Brushes

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49645	2-3/4"	Carbon	0.014	5/8-11	12,500	10	50	60535	86
49646	2-3/4"	Carbon	0.020	5/8-11	12,500	10	50	60537	86
49647	4"	Carbon	0.020	5/8-11	8,500	10	50	60539	86

Reinforced Bulk Knot End Brushes with 1/4" Shank

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
60133	1"	Carbon	0.006	1/4"	22,000	12	144	60131	87

Bulk Knot End Brushes with 1/4" Shank

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49650	1"	Carbon	0.020	1/4"	22,000	20	100	60580	87

Bulk Crimped Wire Wheel Brushes with 1/4" Shank

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49643	2"	Carbon	0.014	1/4"	25,000	20	200	60170	88
49644	3"	Carbon	0.014	1/4"	25,000	20	200	60171	88

Bulk Crimped Wire Wheel Brushes

UPC	Size	Type	Wire Size	Arbor Hole	RPM	Boxes	Qty	Indiv. UPC	Page #
49642	4"	Carbon	0.014	5/8-11	15,000	10	50	60650	90





PRECISION GRINDING VITRIFIED WHEEL CONTENT

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FEATURED PRODUCT

Custom Vitrified Wheels

Made-to-order vitrified wheels are available in a range of sizes down to the millimeter.

- 12-week lead time
- Available in all grains and grit
- OSA and ANSI certified

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**TOP
PERFORMING
VITRIFIED
PRODUCTS
SINCE 1956**

READING VITRIFIED WHEEL SPECIFICATIONS



WHEEL SIZE

8	x	1/2	x	7/8
WIDTH		THICKNESS		ARBOR

ABRASIVE GRAIN GUIDE

RA	46	H	12	VP
ABRASIVE	GRAIN SIZE	GRADE	STRUCTURE	BOND

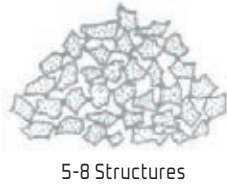
MAXIMUM OPERATING SPEED

3,600 R.P.M.

GRADE		Bond	
SOFT	B, D, E, F, G, H	Vitrified	V, VN18, V32A, VD18, VD, VN
MEDIUM	I, J, K, L, M, N	Vitrified Porous	VP, V18P, VPB, VCERP

STRUCTURE

DENSE ← → OPEN/POROUS													
3	4	5	6	7	8	9	10	11	12	18			
Closed-Non-Porous										Open-Porous			



VITRIFIED WHEEL SAFETY RING TEST

Vitrified wheels have a long shelf-life, however it can be damaged in storage.

ALWAYS TEST THE WHEEL BEFORE OPERATING.

1. Suspend the wheel on a pin within the center hole.
2. Tap the wheel with the back of a screwdriver on four sections at 45° intervals.

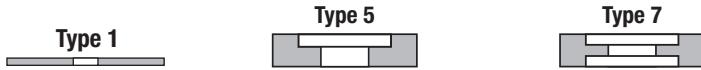
-If a **sharp distinct ring** is heard the **wheel is safe**.
 -If it sounds dull, the wheel is damaged-**DISCARD WHEEL**.
DO NOT USE DAMAGED WHEELS.





VITRIFIED WHEEL ICONS EXPLAINED

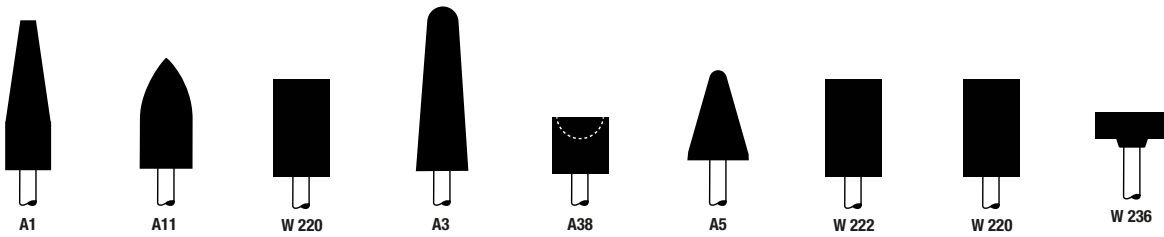
SURFACE, BENCH, PEDESTAL & CENTERLESS WHEEL TYPES



TOOL & CUTTER WHEEL TYPES



MOUNTED POINT TYPES



CERTIFICATIONS



BEST



A53
High Performance
with most Durability

BETTER



32A
Versatility and
Performance

AZ/BAS
Combination of Sharpness
and Durability

GOOD



PA/PASP
Sharpening and Grinding
of Tool Steel

WA/WAG
Light Stock Removal,
General Purpose Use

TYPES OF GRINDING

Surface Grinding - Wheels with straight recessed, or profiled wheels, as well as segments, cups, and cylindrical wheels.

Cylindrical Grinding - Mostly associated with outside diameter grinding where the part being ground is held and turns between center, while the grinding wheels turns and moves across the part.

Centerless Grinding - The process of removing material from the outside diameter of a workpiece held between two wheels; the grinding wheel and the feed regulating wheel.

ABRASIVE GRAIN SELECTION CHART



Vitrified Cross Reference					
		SAINT-GOBAIN		TYROLIT	
CGW Spec	Abrasive Grain	NORTON	CARBORUNDUM	CINCINNATI / BAYSTATE	RADIAC
AS3	Ceramic Aluminum Oxide	3SG, 5SG, 3NQ, 5NQ	3SG, 5SG	3BP, 5MSB, 3MSB, 3GA, 5GA	7BW, 8BW, 8BP
32A	Mono-Chrystalline Aluminum Oxide	32A	32AR	32A	32A
AZ / 91AB / 94AB	Premium Blue Aluminum Oxide	19A, 23A, 32A, 38A, 53A, 55A, 57A, 64A	GA, DA	2A, 3A, 9A, 12A, 17A, 32A, 48A, 97A	32A, SA WAA, WA, JA, FA, NA
PA / PASP	Pink Aluminum Oxide	55A, 32A, 25A, 86A	PA	87A, 12A, 17A, 32A	WAA, RAA, WRA
WA / WAG / 83A	White Aluminum Oxide	38A, 23A, 19A	98A, AA	9A, 97A, 12A, 48A	WA, 9A, RAA, WPA, SA, WA
A	Brown Aluminum Oxide	A, 57A	A	A	A
RA	Ruby Aluminum Oxide	48A	-	-	RA
GC	Green Silicon Carbide	39C	GC	51C, 1C	GC

ABRASIVE GRAINS & CUSTOM VITRIFIED WHEELS



AS3 – CERAMIC ALUMINUM OXIDE

BEST – HIGH PERFORMANCE WITH MOST DURABILITY

- Engineered for fast metal removal with reduced dressing frequency.
- Excels at grinding 50 Rockwell C and harder.
- Submicron crystal structure continually fractures to produce sharp new grinding points.

32A – MONO-CRYSTALLINE ALUMINUM OXIDE

BETTER – VERSATILITY AND PERFORMANCE

- Mono-crystalline Aluminum Oxide grain offers excellent versatility and performance on a wide range of applications and materials.
- Ideal for medium to heavy stock removal.

AZ / BAS– PREMIUM BLUE ALUMINUM OXIDE

BETTER – COMBINATION OF SHARPNESS AND DURABILITY

- The premium grain and bond technology makes AZ the best choice for applications that demand both sharpness and durability.
- Exceptionally fast and cool cutting characteristics suitable for grinding heat sensitive, alloy steels and mold steels (high speed steels under 58RC).
- More durable than WA and PA with superior sharpness.



PA / PASP – PINK ALUMINUM OXIDE

GOOD – SHARPENING AND GRINDING OF TOOL STEEL

- Ideal for fast & cool cutting of heat sensitive & hard alloys.
- More durable than WA on tool steel & stainless at light to moderate feed rates.

WA / WAG – WHITE ALUMINUM OXIDE

GOOD – LIGHT STOCK REMOVAL, GENERAL PURPOSE USE

- Used when easy cutting action is needed on all surfaces.
- Ideal for grinding heat-sensitive steels and easy to grind high speed steels.

A – BROWN ALUMINUM OXIDE

GENERAL PURPOSE – THE CHOICE FOR BENCH WHEELS

- The most common of all grains. This grain is used for heavy-duty applications.

RA – RUBY ALUMINUM OXIDE

SPECIALTY – THE CHOICE FOR SPECIAL MATERIAL APPLICATIONS

- Ideal for rough grinding of all tool steels including steel with high levels of chromium.
- A tough, sharp friable abrasive with high material removal and strong form holding.

GC – GREEN SILICON CARBIDE

- Non-Ferrous Metals
- Carbide, Granite, Ceramic and Chrome.

BC-BLACK SILICON CARBIDE

- Non-Ferrous Metals
- Carbide, Granite, Ceramic and Chrome.

For any inquiries on specialty, made-to-order, vitrified wheels please contact
orders@cgwabrasives.com | 800.447.4248

SURFACE GRINDING WHEELS

- Surface grinding is the most common of the grinding operations. Surface grinding wheels can be used for heavy stock removal to a very precise finish and size requirements. Matching the right wheel with the application is very important to achieve the needs of the grinder.
- Surface grinding is done on both planer and rotary-type machines, using either vertical and horizontal spindle design.
- Popular Markets – Machine shops, cutting tools, aerospace, food processing, automotive, mold and fixture shops.

Vitrified Surface Grinding Wheels											
Size	Type	Grit	Grade	AS3 Ceramic	32A Mono-Crystalline	AZ/BAS Premium Blue AluminumOxide	RA Ruby	PA/PASP Pink	WA/WAG White	GC Green Silicon Carbide	
6 x 1/2 x 1-1/4	T1	60	K			34301					
7 x 1/4 x 1-1/4	T1	46	H		34250		59081				
7 x 1/4 x 1-1/4	T1	46	I			34303			34600		
7 x 1/4 x 1-1/4	T1	60	I			34308			34603	34611	
7 x 1/4 x 1-1/4	T1	60	J			34309	59025		34604		
7 x 1/4 x 1-1/4	T1	60	K			34310			34605		
7 x 1/4 x 1-1/4	T1	80	I							34612	
7 x 1/4 x 1-1/4	T1	80	J			34312			34606		
7 x 1/4 x 1-1/4	T1	80	K	34207		34313		58002	34607		
7 x 1/4 x 1-1/4	T1	100	I							34613	
7 x 1/4 x 1-1/4	T1	100	K			34315					
7 x 1/4 x 1-1/4	T1	120	K						34609		
7 x 1/4 x 1-1/4	T1	150	K			34317			34610		
7 x 1/2 x 1-1/4	T1	46	H	34208	37700	34318	34633	58004	34615		
7 x 1/2 x 1-1/4	T1	46	I	34210	37701	34319			34616		
7 x 1/2 x 1-1/4	T1	46	J	34209	37702	34320	34634	58006	34617		
7 x 1/2 x 1-1/4	T1	46	K		37703	34321			34618		
7 x 1/2 x 1-1/4	T1	60	H						34619		
7 x 1/2 x 1-1/4	T1	60	I			34324			34620	34627	
7 x 1/2 x 1-1/4	T1	60	J	34212	37705	34325	34635		34621		
7 x 1/2 x 1-1/4	T1	60	K	34213	37706	34326		58011	34622		
7 x 1/2 x 1-1/4	T1	80	H			34328					
7 x 1/2 x 1-1/4	T1	80	I							34628	
7 x 1/2 x 1-1/4	T1	80	K	37768	37728	34329	59000	58012	34623		
7 x 1/2 x 1-1/4	T1	100	I							34629	
7 x 1/2 x 1-1/4	T1	100	K			34330			34624		
7 x 1/2 x 1-1/4	T1	120	K						34625		
7 x 1/2 x 1-1/4	T1	150	K			34332			34626		
7 x 1/2 x 1-1/4	T1	46	H-12 Porous			34333					
7 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	46	H			34335			34636		
7 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	46	I			34336					
7 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	46	J			34337	59001		34638		
7 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	60	I							34644	
7 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	60	J			34341	59002				



Vitrified Surface Grinding Wheels Cont'd

Size	Type	Grit	Grade	AS3 Ceramic	32A Mono-Crystalline	AZ/BAS Premium Blue Aluminum Oxide	RA Ruby	PA/PASP Pink	WA/WAG White	GC Green Silicon Carbide
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	H		37732	34342			34647	
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	I			34343			34648	
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	J		37733	34344	59003	58017		
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	K			34345				
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	I						34652	34655
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	J			34348			34653	
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	K			34349				
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	80	I							34656
7 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	100	I							34657
8 x 1/4 x 1-1/4	T1	60	J	34114						
8 x 1/4 x 1-1/4	T1	60	K						34663	
8 x 1/4 x 1-1/4	T1	60	I							34669
8 x 1/4 x 1-1/4	T1	80	J						34664	
8 x 1/2 x 1-1/4	T1	46	H		37707	34350	59005	58019	34671	
8 x 1/2 x 1-1/4	T1	46	I		37708	34351			34672	
8 x 1/2 x 1-1/4	T1	46	J	37771	37709	34352	59006 J/K	58021	34673	
8 x 1/2 x 1-1/4	T1	46	G-12 Porous	34252						
8 x 1/2 x 1-1/4	T1	46	H-12 Porous				59084			
8 x 1/2 x 1-1/4	T1	46	K	34214		34353			34674	
8 x 1/2 x 1-1/4	T1	60	H			34354				
8 x 1/2 x 1-1/4	T1	60	I							34680
8 x 1/2 x 1-1/4	T1	60	H-12 Porous				59085			
8 x 1/2 x 1-1/4	T1	60	I			34355			34676	
8 x 1/2 x 1-1/4	T1	60	J	34215	37710	34356		58023	34677	
8 x 1/2 x 1-1/4	T1	60	K			34357	59007		34678	
8 x 1/2 x 1-1/4	T1	80	I							34681
8 x 1/2 x 1-1/4	T1	80	K		37736	34358		58025	34679	
8 x 1/2 x 1-1/4	T1	100	I							34682
8 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	46	H			34359	59009	58026	34683	
8 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	46	J			34360				
8 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	60	I						34688	34692
8 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	60	J			34364	59033		34689	
8 x 3/4 x 1-1/4 (R/1-3 x 1/4)	T5	60	K						34690	
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	H			34366				
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	46	J			34367	59010	58028	34697	
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	I						34700	34703
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	J			34369	59011			
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	60	K						34702	

Vitrified Surface Grinding Wheels Cont'd

Size	Type	Grit	Grade	AS3 Ceramic	32A Mono-Crystalline	AZ/BAS Premium Blue Aluminum Oxide	RA Ruby	PA/PASP Pink	WA/WAG White	GC Green Silicon Carbide
8 x 1 x 1-1/4 (R/1-3 x 1/2)	T5	100	I							34705
10 x 3/4 x 3	T1	60	H			34383				
10 x 1 x 3	T1	46	I			34390				
10 x 1 x 3	T1	46	J	37773		34391	59012	58031	34725	
10 x 1 x 3	T1	60	J			34395			34729	
10 x 1 x 3	T1	60	K			34396				
12 x 1 x 3	T1	46	H	34219	37712	34411	59013	58033	34742	
12 x 1 x 3	T1	46	J	34220		34413		58034	34744	
12 x 1 x 3	T1	46	J/K				59014			
12 x 1 x 3	T1	46	K			34414				
12 x 1 x 3	T1	60	I	34221						
12 x 1 x 3	T1	60	K		37739	34418				
12 x 1 x 5	T1	46	H	34222		34419			34752	
12 x 1 x 5	T1	46	J	34223		34421			34755	
12 x 1 x 5	T1	46	K			34422				
12 x 1 x 5	T1	60	J		37742	34425			34759	
12 x 1 x 5	T1	60	K			34426				
12 x 1 x 5	T1	80	K		37754					
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	H						34761	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	I						34762	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	J						34763	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	60	I						34766	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	H	34225	37714	34427	59017	58037	34769	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	I						34770	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	J	34226	37715	34429	59018	58038	34771	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	46	K			34430				
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	60	I						34774	
12 x 1-1/2 x 3 (R/1-7-1/2 x 1/2)	T5	60	J	34227	37755	34433			34775	
12 x 2 x 3 (R/2-7-1/2 x 1/2)	T7	46	I			34434				
12 x 2 x 3 (R/2-6-1/2 x 1/2)	T7	60	J			34435				
12 x 2 x 5 (R/2-6-1/2 x 1/2)	T7	46	H		37716	34436				
12 x 2 x 5 (R/2-7-1/2 x 1/2)	T7	46	I		37717	34437			34778	
12 x 2 x 5 (R/2-7-1/2 x 1/2)	T7	46	J				59020		34779	
12 x 2 x 5 (R/2-7-1/2 x 1/2)	T7	60	H			34440				
14 x 1 x 3	T1	46	H	37779						
14 x 1 x 3	T1	46	I			34445				
14 x 1 x 3	T1	46	J	34115						
14 x 1 x 3	T1	60	J	37780						



Vitrified Surface Grinding Wheels Cont'd

Size	Type	Grit	Grade	AS3 Ceramic	32A Mono-Crystalline	AZ/BAS Premium Blue AluminumOxide	RA Ruby	PA/PASP Pink	WA/WAG White	GC Green Silicon Carbide
14 x 1 x 5	T1	46	H	34230	37745	34447		58048		
14 x 1 x 5	T1	46	I		37718	34448		58049	34786	
14 x 1 x 5	T1	46	J	34232		34449				
14 x 1 x 5	T1	60	I			34452			34790	
14 x 1 x 5	T1	60	J	34233						
14 x 1 x 5	T1	60	K		37746	34454		58050		
14 x 1 x 5	T1	80	K		37761					
14 x 1-1/2 x 5	T1	46	H	34238	37719	34456	59022		34801	
14 x 11/2 x 5	T1	46	I		37747				34802	
14 x 1-1/2 x 5	T1	46	J	34239	37720	34458			34803	
14 x 11/2 x 5	T1	46	K			34459	59045			
14 x 1-1/2 x 5	T1	60	H			34460				
14 x 11/2 x 5	T1	60	I	34240						
14 x 1-1/2 x 5	T1	60	J			34462				
14 x 1-1/2 x 5 (R/1-8 x 1/2)	T5	46	H	34234	37721	34464		58041	34793	
14 x 1-1/2 x 5 (R/1-8 x 1/2)	T5	46	I	34235	37722	34465	59023 I/J		34794	
14 x 1-1/2 x 5 (R/1-8 x 1/2)	T5	46	J	37782		34466		58042	34795	
14 x 1-1/2 x 5 (R/1-8 x 1/2)	T5	60	I	34236		34469			34798	
14 x 1-1/2 x 5 (R/1-8 x 1/2)	T5	60	J	37783	37749	34470				
14 x 2 x 5	T1	46	H		37750	34472				
14 x 2 x 5	T1	46	I			34473				
14 x 2 x 5	T1	46	J		37723	34474				
14 x 2 x 5	T1	60	J		37764				34809	
14 x 2 x 5 (R/1-8 x 1)	T5	46	H	34241		34480	59024	58043	34811	
14 x 2 x 5 (R/1-8 x 1)	T5	46	I			34481		58044	34812	
14 x 2 x 5 (R/1-8 x 1)	T5	46	J			34482			34813	
14 x 2 x 5 (R/1-8 x 1)	T5	60	I						34816	
14 x 2 x 5 (R/1-8 x 1)	T5	60	J	34116		34486	59059 J/K			
14 x 2 x 5 (R/1-8 x 1)	T5	60	K		37726	34487		58045		
14 x 2 x 5 (R/2-8 x 3/8)	T7	46	H		37752					
14 x 2 x 5 (R/2-8 x 3/8)	T7	46	I			34488		58046		
14 x 2 x 5 (R/2-8 x 3/8)	T7	46	J			34489		58047		
14 x 2 x 5 (R/2-8 x 3/8)	T7	46	K			34490				
14 x 2 x 5 (R/1-8 x 1)	T7	60	J		37753					
16 x 1-1/2 x 5	T1	46	H			34491				
16 x 1-1/2 x 5	T1	60	J			34493				
16 x 2 x 5	T1	46	I			34495				
16 x 2 x 5	T1	46	J			34496				

Vitrified Surface Grinding Wheels Cont'd

Size	Type	Grit	Grade	AS3 Ceramic	32A Mono-Crystalline	AZ/BAS Premium Blue Aluminum Oxide	RA Ruby	PA/PASP Pink	83A/WA White	GC Green Silicon Carbide
16 x 2 x 5	T1	60	K			34497				
18 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	46	I		34003					
18 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	46	H						34004	
20 x 1 x 8	T1	46	H						34006	
20 x 1 x 8	T1	60	J						34007	
20 x 1-1/2 x 8 (R/1-11-1/2 x 1/2)	T5	46	H						34014	
20 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	46	I		34021					
20 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	46	H						34022	
20 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	60	J						34023	
20 x 2 x 8 (R/2-11-1/2 x 1/2)	T7	46	G						34025	
20 x 2 x 10	T1	36	J						34027	
20 x 2 x 10	T1	46	H						34028	
20 x 2 x 10	T1	60	J						34029	
20 x 3 x 8	T1	80	H						37817	
20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	46	I		34032	34034				
20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	46	H						34033	
20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	60	J						34048	
20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	46	D						34036	
20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	46	G						34037	
20 x 3 x 10 (R/2-12-1/2 x 5/8, 0-12-1/2 x 3/4)	T7	46	I		34039	34043				
20 x 3 x 10 (R/2-12-1/2 x 5/8, 0-12-1/2 x 3/4)	T7	46	H	34245					34040	
20 x 3 x 10 (R/2-12-1/2 x 5/8, 0-12-1/2 x 3/4)	T7	36	J/K						34044	
20 x 3 x 10 (R/2-12-1/2 x 5/8, 0-12-1/2 x 3/4)	T7	46	G						34046	
20 x 4 x 8 (R/2-11-1/2 x 1/2)	T7	46	H						34051	
20 x 4 x 10 (R/2-12-1/2 x 7/8, 0-12-1/2 x 1)	T7	46	I		34055					
20 x 4 x 10 (R/2-12-1/2 x 7/8, 0-12-1/2 x 1)	T7	46	H						34057	
20 x 4 x 10 (R/2-12-1/2 x 7/8, 0-12-1/2 x 1)	T7	46	D						34059	
20 x 4 x 10 (R/2-12-1/2 x 7/8, 0-12-1/2 x 1)	T7	46	G						34060	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	I		34063					
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	H	34067					34064	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	36	J/K						34069	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	B						34070	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	D						34071	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	G						34072	
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	46	C			34074				
20 x 6 x 10 (R/2-12-1/2 x 1, 0-12-1/2 x 2)	T7	36/46	I/J					34075		
20 x 6 x 12 (R/2-14-1/4 x 1)	T7	46	H		34078					
20 x 6 x 12 (R/2-14-1/4 x 1)	T7	46	G						34080	



BLACK SILICON CARBIDE (BC) SURFACE GRINDING WHEELS

- Larger size surface grinding wheel.
- Perfect for non-ferrous metals.
- For use on carbide, granite, ceramic & chrome.

Black Silicon Carbide (BC) Surface Grinding Wheels						
UPC	Size	Type	Grit	Grade	Box Qty	
34038	20 x 3 x 8 (R/2-11-1/2 x 1/2)	T7	46	I	1	
34049	20 x 3 x 10 (R/2-12-1/2 x 5/8, O-12-1/2 x 3/4)	T7	46	I	1	

BLANCHARD GRINDING SEGMENTS

CGW Segments are used to grind flat workpiece surfaces. Our Segment product offering ranges from general purpose precision grinding to fast, heavy stock removal to meet your job requirement.

- **AS5:** 50/50 ceramic and aluminum oxide blend for heavy and fast stock removal.
- **AS3:** 30/70 ceramic and aluminum oxide blend for heavy stock removal.
- **WA:** White aluminum oxide for general purpose performance.



* Additional size and shapes available as special make.

Blanchard Grinding Segments							
UPC	Size	Spec	Box Qty	UPC	Size	Spec	Box Qty
34148	11-1/4 x 2-1/4 x 6	AS5-36-E12V	6	34149	11-1/4 x 2-1/4 x 8	AS3-36-E12V	5
34150	11-1/4 x 2-1/4 x 8	AS5-36-E12V	5	34094	11-1/4 x 2-1/4 x 6	WA-36-E12V	6
34147	11-1/4 x 2-1/4 x 6	AS3-36-E12V	6	34154	11-1/4 x 3 x 8	WA-36-E12V	5

BENCH & PEDESTAL WHEELS, 6" – 18" DIAMETER

- CGW Bench and pedestal grinding wheels are used for general stock removal, sharpening, deburring, and shaping. Bench grinder and pedestal grinder wheels are available in diameters up to 18".
- Common settings for bench and pedestal grinders are in maintenance departments, tool & die shops, and metal fabrication shops.



Type 1



Box Qty: 1 for all Bench Wheel Sizes

Vitrified Bench and Pedestal Wheels Type 1											
Size	Grit	Grade	A Brown	AZ/BAS Premium Blue	GC Green Silicon Carbide	Size	Grit	Grade	A Brown	AZ/BAS Premium Blue	GC Green Silicon Carbide
6 x 1/2 x 1	60	M	38004			6 x 3/4 x 1	60	I			38504
6 x 1/2 x 1	60	I			38501	6 x 3/4 x 1	80	I			38505
6 x 1/2 x 1	80	I			38502	6 x 3/4 x 1	100	I			38506
6 x 1/2 x 1	100	I			38503	6 x 1 x 1	24	Q	38011		
6 x 3/4 x 1	36	O	38007			6 x 1 x 1	36	O	38012		
6 x 3/4 x 1	46	M	38008			6 x 1 x 1	46	M	38013		
6 x 3/4 x 1	60	M	38009			6 x 1 x 1	60	M	38014		
6 x 3/4 x 1	80	M	38010			6 x 1 x 1	80	M	38015		
6 x 3/4 x 1	36	K		38111		6 x 1 x 1	36	K		38121	
6 x 3/4 x 1	60	K		38113		6 x 1 x 1	60	K		38123	
6 x 3/4 x 1	80	K		38114		6 x 1 x 1	120	K		38126	
6 x 3/4 x 1	120	K		38116		6 x 1 x 1	60	I			38507



BENCH & PEDESTAL WHEELS, 6" – 18" DIAMETER - CONT'D

Vitrified Bench and Pedestal Wheels Type 1 Cont'd											
Size	Grit	Grade	A Brown	AZ/BAS Premium Blue	GC Green Silicon Carbide	Size	Grit	Grade	A Brown	AZ/BAS Premium Blue	GC Green Silicon Carbide
6 x 1 x 1	80	I			38508	10 x 1 x 1-1/4	80	I			38520
6 x 1 x 1	100	I			38509	10 x 1 x 1-1/4	80	I			38521
6 x 1 x 1	120	I			38580	10 x 1-1/2 x 1-1/4	46	M	38033		
7 x 3/4 x 1	60	I			38510	10 x 1-1/2 x 1-1/4	60	M	38034		
7 x 3/4 x 1	80	I			38511	10 x 1-1/2 x 1-1/4	80	M	38035		
7 x 3/4 x 1	100	I			38512	10 x 1-1/2 x 1-1/4	60	I			38522
7 x 1 x 1	36	O	38017			10 x 1-1/2 x 1-1/4	80	I			38523
7 x 1 x 1	46	M	38018			10 x 2 x 1-1/4	30/36	O	35073		
7 x 1 x 1	60	M	38019			10 x 2 x 1-1/4	54	M	35074		
7 x 1 x 1	80	M	38020			12 x 1 x 1-1/4	24	Q	38036		
7 x 1 x 1	36	K		38161		12 x 1 x 1-1/4	46	M	38038		
7 x 1 x 1	60	K		38163		12 x 1 x 1-1/4	60	M	38039		
7 x 1 x 1	60	I			38513	12 x 1 x 1-1/4	60	I			38525
7 x 1 x 1	80	I			38514	12 x 1-1/2 x 1-1/4	60	M	38044		
7 x 1 x 1	100	I			38515	12 x 1-1/2 x 1-1/4	60	I			38528
8 x 3/4 x 1	46	M	35044			12 x 1-1/2 x 1-1/4	80	I			38529
8 x 1 x 1-1/4	24	Q	38021			12 x 2 x 1-1/2	24	Q	38046		
8 x 1 x 1-1/4	36	O	38022			12 x 2 x 1-1/2	36	O	38047		
8 x 1 x 1-1/4	46	M	38023			12 x 2 x 1-1/2	46	M	38048		
8 x 1 x 1-1/4	60	M	38024			12 x 2 x 1-1/2	60	M	38049		
8 x 1 x 1-1/4	80	M	38025			12 x 2 x 1-1/2	80	M	38050		
8 x 1 x 1-1/4	36	K		38201		12 x 2 x 1-1/2	60	I			38531
8 x 1 x 1-1/4	60	K		38203		12 x 2 x 1-1/2	80	I			38532
8 x 1 x 1-1/4	80	K		38204		12 x 2 x 1-1/2	100	I			38533
8 x 1 x 1-1/4	120	K		38206		14 x 2 x 1-1/2	24	Q	38051		
8 x 1 x 1-1/4	60	I			38516	14 x 2 x 1-1/2	36	O	38052		
8 x 1 x 1-1/4	80	I			38517	14 x 2 x 1-1/2	46	M	38053		
8 x 1 x 1-1/4	120	I			38518	14 x 2 x 1-1/2	60	M	38054		
10 x 1 x 1-1/4	24	Q	38026			14 x 2 x 1-1/2	60	I			38534
10 x 1 x 1-1/4	36	O	38027			14 x 2 x 1-1/2	80	I			38535
10 x 1 x 1-1/4	46	M	38028			14 x 3 x 1-1/2	24/30	Q	35107		
10 x 1 x 1-1/4	60	M	38029			14 x 3 x 1-1/2	46/54	M	35108		
10 x 1 x 1-1/4	80	M	38030			16 x 2 x 1-1/2	24	Q	35109		
10 x 1 x 1-1/4	60	I			38519	16 x 2 x 1-1/2	36	M	35110		
						18 x 3 x 1-1/2	36	O	35113		
						18 x 3 x 1-1/2	46	M	35114		

WHEEL BUSHINGS



Wheel Bushings							
UPC	Width	Description	Box Qty	UPC	Width	Description	Box Qty
51000	1/2	1" Hole Reduces to 3/4", 5/8", 1/2"	1	51004	3/4	1-1/4" Hole Reduces to 1"	1
51001	3/4	1" Hole Reduces to 3/4", 5/8", 1/2"	1	51005	1	1-1/4" Hole Reduces to 1"	1
51002	1	1" Hole Reduces to 3/4", 5/8", 1/2"	1	51006	1/2	1-1/2" Hole Reduces to 1-1/4"	1
51003	1/2	1-1/4" Hole Reduces to 1"	1	51007	3/4	1-1/2" Hole Reduces to 1-1/4"	1
				51008	1	1-1/2" Hole Reduces to 1-1/4"	1



CENTERLESS, CYLINDRICAL WHEELS

Centerless Grinding

The workpiece lies between two wheels; the grinding wheel and the feed regulating wheel. Feed wheel diameter is always proportionally smaller than the grinding wheel it is matched with [see chart below].

THREE BASIC TYPES OF CENTERLESS GRINDING

Through Feed – Most commonly used centerless grinding where straight cylindrical parts are passed from the entrance on the machine, through, and out the exit side.

In-Feed (Plunge) – Used on part with a shape that does not allow axial movement. Frequently, several diameters are ground at once by using a specially formed wheel face, or by mounting two or more wheels on the same spindle.

End-Feed – For producing or finishing a taper in the workpiece. The parts are fed in the entrance side of the machine up to a fixed end point.

Cylindrical Grinding – The precision grinding of the outer surface of any round workpiece. The workpiece is held between centers or in chucks.

- Popular Markets – machine shops, aerospace, automotive, and bearings.
- Common Applications – needle bearing, aerospace fasteners, motor shafts, transmission and engine components.



94AB BAS – Advanced grain technology used in Cylindrical and Centerless applications. This grain can be used to grind steels in either soft or hard state.



Premium Aluminum Oxide Centerless Cylindrical Wheels

Size	Type	Grit	Grade	AZ/BAS Premium Blue Aluminum Oxide	PA/PASP Pink	WA/WAG White	BC Black Silicon Carbide	GC Green Silicon Carbide	Box Qty
14 x 1 x 5	T1	54	K	35201					2
14 x 1 x 5	T1	80	M	35203					2
14 x 1-1/2 x 5	T5	54	K	35207					2
14 x 2 x 5	T5	54	K	35210					1
14 x 2 x 5	T5	60	L	35211					1
14 x 2 x 5	T5	80	M	35212					1
16 x 1 x 5	T1	60	L	35213					3
16 x 1 x 5	T1	80	M	35214					3
16 x 1-1/2 x 5	T1	60	L	35218					2
16 x 1-1/2 x 8	T1	60	K		37807				2

Premium Aluminum Oxide Centerless Cylindrical Wheels Cont'd									
Size	Type	Grit	Grade	AZ/BAS Premium Blue Aluminum Oxide	PA/PASP Pink	WA/WAG White	BC Black Silicon Carbide	GC Green Silicon Carbide	Box Qty
16 x 1-1/2 x 5	T1	80	M	35219					2
16 x 2 x 5	T1	60	L	35224					2
16 x 2 x 5	T1	80	M	35225					2
16 x 2 x 5	T1	60	K		37809				
16 x 2 x 5	T1	80	H			37808			2
16 x 2 x 8	T1	60	L	35230					2
16 x 3 x 5	T1	60	K		37814				1
16 x 3 x 5	T1	80	H			37813			1
16 x 4 x 10	T1	60	L	35232					1
16 x 4 x 10	T1	80	L	35233					1
20 x 1 x 12	T1	60	M	35236					3
20 x 1 x 8	T1	80	K					37815	3
20 x 2 x 8	T1	60	K		37816				2
20 x 3 x 8	T1	60	K		37818				2
20 x 2 x 12	T1	60	K	35241					2
20 x 2 x 12	T1	60	L	35242					2
20 x 2 x 12	T1	80	P	35246					2
20 x 2 x 12	T1	80	K					37821	2
20 x 2 x 12-80N/120S	T1	80	N	35247					2
20 x 2-1/2 x 12-80N/120S	T1	80	N	35251					2
20 x 3 x 8	T1	80	H			37817			2
20 x 3 x 12	T1	60	K	35254					2
20 x 4 x 12	T1	60	K	35266					1
20 x 4 x 12	T1	60	L	35267					1
20 x 4 x 12	T1	80	M	35270					1
20 x 4 x 12-80N/120S	T1	80	N	35273					1
20 x 6 x 12	T1	60	J	35277					1
20 x 6 x 12	T1	60	K	35278					1
20 x 6 x 12	T1	60	L	35279					1
20 x 6 x 12	T1	60	M	35280					1
20 x 6 x 12	T1	80	J	35281					1
20 x 6 x 12	T1	80	L	38282					2
20 x 6 x 12-80N/120S	T1	80	M	35283					1
20 x 6 x 12	T1	80	N	35286					1



Premium Aluminum Oxide Centerless Cylindrical Wheels Cont'd									
Size	Type	Grit	Grade	AZ/BAS Premium Blue Aluminum Oxide	PA/PASP Pink	WA/WAG White	BC Black Silicon Carbide	GC Green Silicon Carbide	Box Qty
20 x 6 x 12	T1	60	L				35287		1
20 x 8 x 12	T1	60	K	35293					1
20 x 8 x 12	T1	60	L	35294					1
20 x 8 x 12	T1	60	M	35295					1
20 x 8 x 12	T1	80	J	35296					1
20 x 8 x 12	T1	80	L	35297					1
20 x 8 x 12	T1	80	M	35298					1
20 x 8 x 12	T1	80	O	35299					1
20 x 8 x 12-80N/120S	T1	80	N	35300					1
24 x 2 x 12	T1	60	K	35314					2
24 x 2 x 12	T1	60	K		37831				2
24 x 2 x 12-80N/120S	T1	80	N	35319					2
24 x 2-1/2 x 12-80N/120S	T1	80	N	35321					2
24 x 3 x 12	T1	60	K	35324					1
24 x 3 x 12	T1	80	H			37833			1
24 x 4 x 12	T1	60	K	35333					1
24 x 4 x 12	T1	80	M	35337					1
24 x 4 x 12-80N/120S	T1	80	S	35339					1
24 x 6 x 12	T1	60	K	35342					1
24 x 6 x 12	T1	60	L	35343					1
24 x 6 x 12-80N/120S	T1	80	J	35345					1
24 x 6 x 12-80N/120S	T1	80	N	35349					1
24 x 8 x 12	T1	60	K	35352					1
24 x 8 x 12	T1	60	L	35353					1
24 x 8 x 12	T1	60	M	35354					1
24 x 8 x 12	T1	80	J	35355					1
24 x 8 x 12	T1	80	L	35356					1
24 x 8 x 12	T1	60	L				35360		1
24 x 10 x 12	T1	60	K	35363					1
24 x 20 x 12	T1	60	K	35368					1

FEED REGULATING WHEELS

BENEFITS OF CALENDERED RUBBER FEED WHEELS (CDR)

Calendered wheels are best used on thinner feed regulating wheels or when the cast natural rubber wheel deflects under pressure. The calendered wheel is preferred when close tolerances are required or there is excessive wheel wear on the standard feed wheel.

- All CGW Feed Regulating wheels are manufactured with an isostatic process assuring perfect gripping and elimination of hard spots and voids, a common problem with rubberized wheels.
- A80-R2-RX – Natural Rubber
- A80-R2-CDR – Calendered Rubber

R/2: Recess Two Sides – Type 7 Wheel

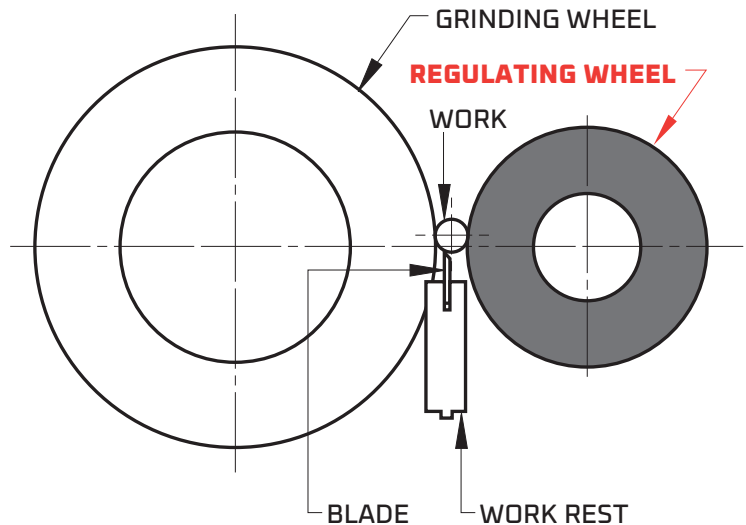
R/1: Recess One Side – Type 5 Wheel

D/S: Other Side of Wheel

BENEFITS OF CAST NATURAL RUBBER FEED WHEELS (RX)

This wheel gives the best drive or braking action while resisting spin out of parts.

This grade is satisfactory for the majority of applications. For harder grades, see Calendered Wheels.



Feed Regulating Wheels

UPC	Size	Type	Spec	Recess
35376	9 x 4 x 4	T7	A80-R2-RX	R/2 - 5-1/4 x 5/8
35239	12 x 1 x 5	T1	A80-R2-RX	No Recess
35248	12 x 2 x 5	T1	A80-R2-RX	No Recess
35384	12 x 2-1/2 x 5	T1	A80-R2-RX	No Recess
35274	12 x 4 x 5	T7	A80-R2-RX	R/2 - 7-1/2 x 1/2
35290	12 x 6 x 5	T7	A80-R2-RX	R/2 - 7-1/2 x 1/2 O/S - 7-1/2 x 1-1/2
35288	12 x 6 x 5	T7	A80-R2-RX	R/2 - 7-1/2 x 1/2
35302	12 x 8 x 5	T5	A80-R2-RX	R/1 - 7-1/2 x 1/2
35390	12 x 8 x 5	T7	A80-R2-RX	R/2 - 7-1/2 x 1/2
35303	12 x 8 x 5	T7	A80-R2-RX	R/2 - 7-1/2 x 1-1/2 O/S - 7-1/2 x 2-1/2
35362	14 x 8 x 5	T7	A80-R2-RX	R/2 - 8 x 1-1/2 O/S - 8 x 2-1/2
35372	14 x 20 x 6	T7	A80-R2-RX	R/2 - 8-1/2 x 1-1/2
35289	12 x 6 x 5	T7	A80-R2-CDR	R/2 - 7-1/2 x 1-1/2
35304	12 x 8 x 5	T7	A80-R2-CDR	R/2 - 7-1/2 x 1-1/2 O/S - 7-1/2 x 2-1/2



TOOL & CUTTER WHEELS

The standard shapes most commonly used in tool & cutter grinding are:

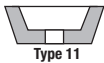
T-11 – Flaring Cup

T-50 – Plate Mount Wheels

- The shape of the wheel is determined by the shape, Size, and accessibility of the part to be ground.
- When grinding peripheral cutters, cup wheels are used. Dish wheels are best for formed cutters.



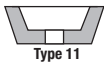
surface speed = 35 m/s



Type 11

White Aluminum Tool & Cutter Wheels | Type 11

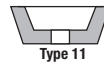
UPC	Size	Grit	Grade	Box Qty	UPC	Size	Grit	Grade	Box Qty
34903	4/3 x 1-1/2 x 1-1/4	46	J	10	34916	5/3-3/4 x 1-3/4 x 1-1/4	46	J	10
34904	4/3 x 1-1/2 x 1-1/4	46	K	10	34917	5/3-3/4 x 1-3/4 x 1-1/4	46	K	10
34907	4/3 x 1-1/2 x 1-1/4	60	J	10	34919	5/3-3/4 x 1-3/4 x 1-1/4	60	I	10
34908	4/3 x 1-1/2 x 1-1/4	60	K	10	34920	5/3-3/4 x 1-3/4 x 1-1/4	60	J	10
34909	4/3 x 1-1/2 x 1-1/4	80	J	10	34921	5/3-3/4 x 1-3/4 x 1-1/4	60	K	10
34914	5/3-3/4 x 1-3/4 x 1-1/4	46	H	10	34923	5/3-3/4 x 1-3/4 x 1-1/4	80	K	10
34915	5/3-3/4 x 1-3/4 x 1-1/4	46	I	10					



Type 11

Pink Aluminum Tool & Cutter Wheels | Type 11

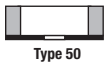
UPC	Size	Grit	Grade	Box Qty
58054	4/3 x 1-1/2 x 1-1/4	46	K	10
58057	4/3 x 1-1/2 x 1-1/4	80	K	10
58058	5/3-3/4 x 1-3/4 x 1-1/4	46	I	10
58059	5/3-3/4 x 1-3/4 x 1-1/4	46	K	10
58060	5/3-3/4 x 1-3/4 x 1-1/4	60	K	10



Type 11

Ceramic Aluminum Tool & Cutter Wheels | Type 11

UPC	Size	Grit	Grade	Box Qty
34200	4/3 x 1-1/2 x 1-1/4	46	I	10
34201	4/3 x 1-1/2 x 1-1/4	60	K	10
34203	5/3-3/4 x 1-3/4 x 1-1/4	46	I	10
34204	5/3-3/4 x 1-3/4 x 1-1/4	60	J	10



Type 50

Green Silicon Carbide Tool & Cutter Wheels | Type 50

UPC	Size	Grit	Grade	Box Qty
34949	6 x 1 x 4	60	I	10
34950	6 x 1 x 4	80	I	10
34951	6 x 1 x 4	100	I	10
34952	6 x 1 x 4	120	I	10
34948	6 x 1 x 4	46	K	10



DRESSING WHEELS, STICKS

- Combination Stone: Designed to clean magnetic chucks.
- Dressing Wheels: Brake controlled truing devices used for dressing/opening diamond wheels.
- Dressing Sticks: Dressing and opening resin bonded wheels.
- Silicon Carbide abrasive grain.



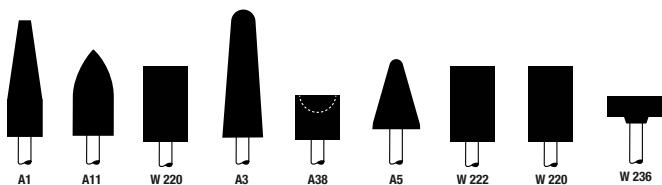
Dressing Wheels				
UPC	Size	Spec	RPM	Box Qty
35905	3 x 1/2 x 1/2	72C-80-L-V	10,823	50
35906	3 x 1 x 1/2	72C-60-L-V	10,823	20
35907	3 x 1 x 1/2	72C-80-J-XV	10,823	20
35908	3 x 1 x 1/2	72C-80-L-V	10,823	20

Round Combination Stone			
UPC	Size	Spec	Box Qty
35902	4 x 1/2	C150/320-MN7	20

Dressing Sticks			
UPC	Size	Spec	Box Qty
35909	1 x 1 x 6	C24-S-V	50

PREMIUM PINK ALUMINUM OXIDE MOUNTED POINTS

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



Premium Pink Aluminum Oxide Mounted Points 1/4 Shank							
UPC	Size	Spec	Box Qty	UPC	Size	Spec	Box Qty
35951	7/8 x 2-1/2	A1	10	35975	1 x 1	A38	10
35953	7/8 x 2-3/4	A3	10	36058	1 x 1	W220	10
35955	3/4 x 1-1/8	A5	10	36060	1 x 2	W222	10
35957	7/8 x 2	A11	10	36067	1-1/2 x 1/2	W236	10



UPC	Pg. #	UPC	Pg. #	UPC	Pg. #	UPC	Pg. #	UPC	Pg. #	UPC	Pg. #	UPC	Pg. #	UPC	Pg. #
30001	20	34078	102	34336	98	34473	101	34680	99	35073	104	35506	46	35678	56
30002	20	34080	102	34337	98	34474	101	34681	99	35074	104	35507	46	35679	58
30004	20	34094	103	34341	98	34480	101	34682	99	35107	104	35508	46	35680	58
30005	20	34114	99	34342	99	34481	101	34683	99	35108	104	35509	46	35681	54
30006	20	34115	100	34343	99	34482	101	34688	99	35109	104	35510	46	35682	54
30011	20	34116	101	34344	99	34486	101	34689	99	35110	104	35511	46	35687	46
30012	20	34147	103	34345	99	34487	101	34690	99	35113	104	35512	46	35688	46
30014	20	34148	103	34348	99	34488	101	34692	99	35114	104	35514	42	35689	46
30015	20	34149	103	34349	99	34489	101	34697	99	35150	40	35515	43	35690	46
30016	20	34150	103	34350	99	34490	101	34700	99	35201	105	35516	42	35691	46
30142	19	34154	103	34351	99	34491	101	34702	99	35203	105	35517	42	35699	56
30144	19	34200	109	34352	99	34493	101	34703	99	35207	105	35518	42	35831	25
30145	19	34201	109	34353	99	34495	101	34705	100	35210	105	35519	47	35832	25
30146	19	34203	109	34354	99	34496	101	34725	100	35211	105	35576	47	35833	25
30162	19	34204	109	34355	99	34600	98	34729	100	35212	105	35582	47	35834	25
30164	19	34207	98	34356	99	34603	98	34742	100	35213	105	35584	47	35835	25
30202	19	34208	98	34357	99	34604	98	34744	100	35214	105	35587	49	35836	25
30204	19	34209	98	34358	99	34605	98	34752	100	35218	105	35589	49	35837	25
30205	19	34210	98	34359	99	34606	98	34755	100	35219	106	35599	49	35839	25
30212	19	34212	98	34360	99	34607	98	34759	100	35224	106	35600	49	35840	25
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30215	19	34214	99	34366	99	34610	98	34762	100	35230	106	35602	49	35842	25
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30224	19	34219	100	34369	99	34612	98	34766	100	35233	106	35613	57	35844	25
30225	19	34220	100	34383	100	34613	98	34769	100	35236	106	35616	58	35845	25
34003	102	34221	100	34390	100	34615	98	34770	100	35239	108	35617	58	35851	47
34004	102	34222	100	34391	100	34616	98	34771	100	35241	106	35620	55	35900	61
34006	102	34223	100	34395	100	34617	98	34774	100	35242	106	35621	55	35902	110
34007	102	34225	100	34396	100	34618	98	34775	100	35246	106	35622	56	35905	110
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34022	102	34232	101	34414	100	34621	98	34786	101	35251	106	35625	54	35908	110
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34040	102	34308	98	34436	100	34638	98	34816	101	35286	106	35643	56	36110	57
34043	102	34309	98	34437	100	34644	98	34903	109	35287	107	35644	54	36122	48
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34070	102	34329	98	34465	101	34674	99	34949	109	35501	46	35670	47	36173	45
34071	102	34330	98	34466	101	34676	99	34950	109	35502	46	35674	56	36174	45
34072	102	34332	98	34469	101	34677	99	34951	109	35503	46	35675	57	36175	45
34074	102	34333	98	34470	101	34678	99	34952	109	35504	46	35676	57	36176	45
34075	102	34335	98	34472	101	34679	99	35044	104	35505	46	35677	56	36178	45

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36180	45	37530	54	38011	103	38518	104	39933	33	41735	18	42365	17	42732	16
36181	45	37531	56	38012	103	38519	104	39934	33	41742	17	42366	17	42734	16
36182	45	37535	54	38013	103	38520	104	39935	33	41744	17	42371	17	42735	16
36183	45	37700	98	38014	103	38521	104	39937	33	41745	17	42372	17	42742	16
36184	45	37701	98	38015	103	38522	104	39938	33	41752	17	42374	17	42744	16
36189	58	37702	98	38017	104	38523	104	39939	33	41754	17	42375	17	42745	16
36190	58	37703	98	38018	104	38525	104	39941	33	41762	18	42401	14	42752	16
36204	28	37705	98	38019	104	38528	104	39942	33	41764	18	42402	14	42754	16
36205	28	37706	98	38020	104	38529	104	39943	33	41765	18	42404	14	42762	17
36207	34	37707	99	38021	104	38531	104	39947	33	41772	18	42405	14	42772	17
36208	34	37708	99	38022	104	38532	104	39948	33	41774	18	42411	14	42774	17
36209	34	37709	99	38023	104	38533	104	39949	33	42102	15	42412	14	42801	14
36210	34	37710	99	38024	104	38534	104	39950	33	42103	15	42414	14	42802	14
36211	34	37712	100	38025	104	38535	104	39951	33	42104	15	42415	14	42804	14
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36213	34	37715	100	38027	104	39202	18	39955	33	42106	15	42442	14	42811	14
36214	34	37716	100	38028	104	39204	18	39956	33	42112	15	42444	14	42812	14
36215	34	37717	100	38029	104	39205	18	39964	33	42114	15	42445	14	42821	14
36216	34	37718	101	38030	104	39212	18	39965	33	42121	16	42451	14	42822	14
36217	34	37719	101	38033	104	39214	18	39966	33	42122	16	42452	14	42831	14
36218	34	37720	101	38034	104	39402	18	39967	33	42124	16	42454	14	42832	14
36231	56	37721	101	38035	104	39404	18	39977	33	42125	16	42455	14	42840	13
36232	56	37722	101	38036	104	39405	18	39978	33	42142	16	42501	15	42841	13
36234	47	37723	101	38038	104	39412	18	39979	33	42144	16	42502	15	42842	13
36238	60	37726	101	38039	104	39414	18	39988	33	42145	16	42504	15	42843	13
36239	60	37728	98	38044	104	39415	18	39989	33	42146	16	42505	15	42851	13
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36243	76	37739	100	38049	104	39432	18	40004	33	42165	17	42521	16	42861	13
36246	58	37742	100	38050	104	39434	18	40005	33	42300	15	42522	16	42862	13
36247	58	37745	101	38051	104	39435	18	40006	33	42301	15	42524	16	42863	13
36248	58	37746	101	38052	104	39442	18	40007	33	42302	15	42525	16	42871	13
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36256	56	37752	101	38113	103	39464	18	41020	33	42310	15	42542	16	42882	13
36259	56	37753	101	38114	103	39465	18	41044	33	42311	15	42544	16	42883	13
36260	56	37754	100	38116	103	39472	18	41045	35	42312	15	42545	16	43081	20
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36284	76	37768	98	38161	104	39904	33	41055	35	42321	16	42561	17	43101	20
36285	76	37771	99	38163	104	39905	33	41056	35	42322	16	42562	17	43104	20
36286	76	37779	100	38201	104	39907	33	41065	35	42324	16	42564	17	43111	20
36287	76	37780	100	38203	104	39908	33	41066	35	42325	16	42565	17	43114	20
36288	76	37782	101	38204	104	39909	33	41067	35	42326	16	42572	17	43181	20
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36451	34	37809	106	38503	103	39914	33	41513	33	42335	16	42702	15	43840	13
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36460	34	38004	103	38512	104	39925	33	41722	18	42355	16	42721	16	43862	13
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37098	33	38008	103	38515	104	39927	33	41725	18	42361	17	42724	16	43871	13
37099	33	38009	103	38516	104	39931	33	41732	18	42362	17	42725	16	43872	13
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43900	13	45040	54	48112	27	49019	60	49683	60	49932	69	51663	72	52717	71
43901	13	45047	42	48114	27	49021	60	49684	60	49935	69	52274	68	52718	71
43902	13	45048	56	48115	27	49022	60	49686	22	49936	69	52275	68	52720	71
43911	13	45049	56	48116	27	49023	60	49687	22	49956	69	52276	68	52746	71
43912	13	45066	46	48121	27	49027	60	49688	22	49957	69	52277	68	52747	71
43913	13	45081	56	48122	27	49028	60	49689	22	49958	69	52278	68	52748	71
43921	13	45082	56	48124	27	49029	60	49690	22	49959	69	52279	68	52749	71
43922	13	45085	46	48125	27	49031	60	49691	22	49960	69	52280	68	52750	71
43923	13	45086	46	48126	27	49032	60	49693	22	49961	69	52281	68	52762	71
44837	75	45087	46	48181	26	49033	60	49694	22	49962	69	52282	68	52773	70
44838	75	45088	46	48182	26	49035	60	49698	24	49985	69	52283	68	52774	70
44839	75	45141	42	48184	26	49038	60	49699	24	49986	69	52284	68	52775	70
44841	75	45142	42	48185	26	49039	60	49750	59	49987	69	52285	68	52819	70
44843	75	45143	42	48186	26	49040	60	49751	59	49988	69	52286	68	52820	70
44844	75	45144	42	48191	26	49042	60	49752	59	49989	69	52287	68	52822	70
44845	75	45145	43	48192	26	49043	60	49753	59	49990	69	52288	68	52823	70
44846	75	45200	58	48194	26	49406	73	49761	69	49991	69	52289	68	52861	77
44847	75	45201	58	48195	26	49407	73	49762	69	49992	69	52290	68	52863	77
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44849	75	45203	54	48201	26	49423	73	49764	69	51000	104	52292	68	52865	77
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44852	76	45207	58	48205	26	49426	73	49766	69	51002	104	52294	68	52868	77
44854	76	45218	44	48206	26	49510	28	49767	69	51003	104	52295	68	52869	77
44855	76	45219	44	48220	28	49511	28	49776	69	51004	104	52296	68	52870	77
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44862	75	48010	27	48226	28	49533	74	49781	69	51015	70	52301	68	52875	77
44865	75	48011	27	48227	45	49534	74	49782	69	51017	70	52302	68	52876	77
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44867	75	48014	27	48234	27	49543	59	49791	69	51019	70	52304	68	52878	77
44871	75	48015	27	48239	28	49544	59	49792	69	51020	70	52305	68	52879	77
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44889	75	48017	27	48245	45	49547	59	49794	69	51052	70	52308	68	52886	77
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44925	75	48026	27	48529	28	49607	25	49805	69	51063	70	52315	68	52897	77
45001	42	48027	27	48530	28	49608	25	49806	69	51231	70	52316	68	52899	77
45002	42	48028	27	48531	28	49609	25	49807	69	51232	70	52317	68	52901	77
45003	43	48030	27	48532	28	49610	25	49808	69	51233	70	52370	68	52902	77
45004	43	48031	27	48533	28	49611	25	49809	69	51234	70	52636	71	53001	15
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45021	44	48101	27	49010	61	49646	91	49926	69	51657	72	52682	71	53035	16
45024	44	48102	27	49012	61	49647	91	49927	69	51658	72	52683	71	53041	16
45025	44	48104	27	49013	61	49650	91	49928	69	51659	72	52684	71	53042	16
45026	44	48105	27	49015	61	49652	24	49929	69	51660	72	52686	71	53044	16

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53052	16	58037	100	59226	79	59598	30	59911	30	60201	90	61255	78	70008	72		
53054	16	58038	100	59227	79	59599	30	59912	30	60202	90	61291	78	70010	72		
53056	16	58041	101	59228	79	59600	30	59913	30	60211	90	61292	78	70011	72		
53061	17	58042	101	59229	79	59608	29	59914	30	60226	90	61293	78	70012	72		
53062	17	58043	101	59230	79	59609	29	59915	30	60228	90	61294	78	70013	72		
53064	17	58044	101	59231	79	59610	29	59916	30	60229	90	61295	78	70014	72		
53065	17	58045	101	59232	79	59611	29	59917	30	60230	90	61297	78	70022	72		
53072	17	58046	101	59233	79	59612	29	59920	30	60502	84	61525	78	70023	72		
53074	17	58047	101	59234	79	59614	29	59921	30	60503	84	61526	78	70024	72		
53075	17	58048	101	59235	79	59615	29	59922	30	60505	84	61527	78	70025	72		
53114	15	58049	101	59236	79	59634	31	59923	30	60514	85	61528	78	70029	72		
53241	24	58050	101	59237	79	59635	31	59924	30	60515	85	61529	78	70030	72		
53242	24	58054	109	59241	79	59636	31	59925	30	60520	85	61531	78	70031	72		
53243	24	58057	109	59271	79	59637	31	59926	30	60521	85	61532	78	70032	72		
53244	24	58058	109	59272	79	59638	31	59927	30	60522	85	61534	78	70033	72		
53245	24	58059	109	59283	79	59639	31	59951	30	60523	85	61535	78	70034	72		
53247	24	58060	109	59284	79	59640	31	59952	30	60524	85	61543	78	70086	34		
53248	24	59000	98	59285	79	59674	31	59953	30	60535	86	61546	78	70087	34		
53251	24	59001	98	59503	29	59676	31	59954	30	60536	86	61547	78	70088	34		
53252	24	59002	98	59504	29	59677	31	59955	30	60537	86	61579	78	70105	47		
53255	43	59003	99	59505	29	59678	31	59956	30	60538	86	61580	78	70108	47		
53256	43	59005	99	59506	29	59697	30	59957	30	60539	86	61581	78	70109	47		
53260	43	59006 J/K	99	59507	29	59698	30	60001	84	60540	86	61582	78	70114	43		
54270	55	59007	99	59508	29	59700	30	60006	84	60541	86	61583	78	70115	43		
54271	55	59009	99	59509	29	59701	30	60011	84	60542	86	61633	78	70120	21		
54272	55	59010	99	59510	29	59702	30	60012	84	60560	86	61634	78	70121	21		
54273	55	59011	99	59511	29	59718	31	60013	84	60561	86	61635	78	70122	21		
54274	55	59012	100	59524	31	59719	31	60014	84	60562	86	61636	78	70124	21		
54275	55	59013	100	59525	31	59730	32	60020	84	60563	86	61637	78	70125	21		
54276	55	59014	100	59526	31	59731	32	60025	84	60564	86	63062	74	70130	35		
54277	55	59017	100	59527	31	59732	32	60035	84	60575	87	63063	74	70131	35		
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54281	41	59020	100	59529	31	59734	32	60052	84	60577	87	63065	74	70133	35		
54282	41	59022	101	59530	31	59735	32	60060	85	60578	87	63066	74	70134	35		
54283	41	59023 I/J	101	59531	31	59736	32	60065	85	60579	87	63067	74	70135	35		
54284	41	59024	101	59536	31	59738	32	60070	85	60580	87	63068	74	70136	35		
54285	41	59025	98	59537	31	59739	29	60076	85	60590	88	63069	74	70137	35		
54286	41	59033	99	59538	31	59740	29	60090	85	60591	88	63070	74	70143	35		
54287	41	59045	101	59539	31	59741	29	60091	85	60592	88	63071	74	70144	35		
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54297	41	59100	58	59569	31	59750	29	60130	87	61041	78	63080	74	71151	76		
54298	41	59101	58	59570	31	59751	29	60131	87	61042	78	63081	74	72050	23		
58002	98	59200	22	59571	31	59752	29	60132	87	61044	78	63082	74	72051	23		
58004	98	59201	22	59572	31	59753	29	60133	91	61045	78	63083	74	72053	23		
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58017	99	59205	22	59588	30	59804	26	60160	88	61061	78	63087	74	72080	23		
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58023	99	59208	22	59591	30	59807	26	60170	88	61120	78	63090	74				
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58028	99	59211	22	59594	30	59810	26	60180	89	61249	78	63095	74				
58031	100	59221	79	59595	30	59811	26	60182	89	61250	78	63098	74				



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