



PRECISION & ROUGH GRINDING | CUTTING | FINISHING | BLENDING
2026 PRODUCT CATALOG



WHO IS CGW ABRASIVES?

OUR STORY

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

Today, we're focused on creating an exceptional customer experience and delivering premium abrasive solutions. We're proud to be oSa certified and committed to the highest standards of manufacturing excellence. From our advanced eXtreme line to a full range of flap discs, grinding wheels, cutting wheels, and coated abrasives, we deliver performance you can trust, backed by a team that's with you every step of the way.



70+ 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
- MRO
- Aerospace
- Marine
- General Metal Working

CGW IS WORLDWIDE



OUR COMPANY

- 4 manufacturing & distribution plants in Chicago, California, Israel, & Germany; 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
- 2,500+ 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:



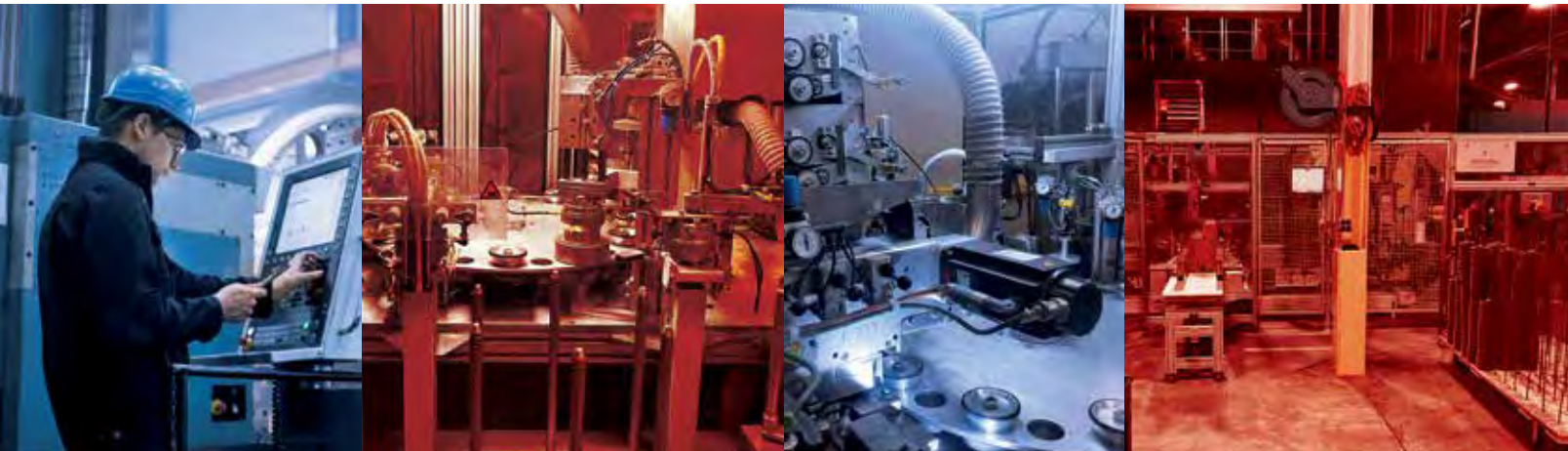
The Standards Institution of Israel
(SII)

MANUFACTURING FACILITIES



CGW is one of the country's leading abrasives manufacturers. Our two facilities in the USA produce 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.

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

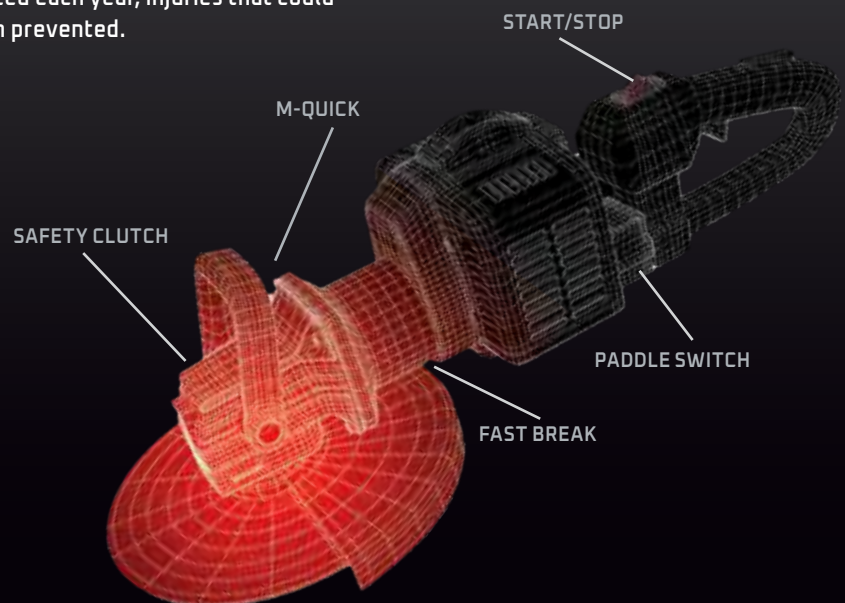
1. Fatigue
2. Rushing to finish a job
3. Lack of awareness of the potential risks
4. Use of the wrong tool or wrong accessories

Accidents Happen... F A S T !

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

Reach out to marketing@cgwabrasives to schedule your **FREE on-site training** today!

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



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 dedicated time working with our sales experts to learn all about abrasives, CGW features/benefits, and how to effectively sell our products. Includes classroom and hands-on training.

Our team will assist with arrangements. 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 marketing@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. Face-to-face support in the field? Social, SEO, SEM? Whatever you need, we can help! Our team is dedicated to your success.



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

Our team of abrasive experts is available for field support, training, and application assistance. CGW has representatives strategically located across the country ready to support you!



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 our marketing team today for
your complimentary marketing consultation!*

Email [marketing@cgwabrasives](mailto:marketing@cgwabrasives.com) or call (800) 447-4248

UNLOCK EFFICIENCY & SAVINGS WITH **CGW+**

End-User Site Evaluations for Process Improvements

The CGW+ program provides tailored solutions to meet your unique application requirements.

By utilizing cutting-edge technology and on-site evaluation, CGW+ enhances high-volume production processes to help customers achieve greater efficiency. This program makes it easier to reach your goals for cost savings and improved productivity.

CGW+ is specifically designed to pinpoint opportunities for immediate improvements that lower the total cost per part, boost productivity, or achieve both.

With CGW+, CGW Abrasives brings its technical expertise directly to your facility, collaborating with your team to create a custom solution that meets your objectives.



Planning & Intro

STAGE
PRE

- Identify target end users
- Meet with key decision makers
- Get buy in for site evaluations
- Discover pain points or needs of user

Site Evaluation

STAGE
1

- Observe current operation
- Identify tools and abrasives being used
- Identify material and application
- Understand finish requirements

Solution Development

STAGE
2

- Benchmark current abrasives
- Life, removal, piece count, cut rate, finish, usage
- Internal testing to identify process improvements
- Find optimal products to rationalize skus

Proposal

STAGE
3

- Present test results to key decision makers
- Cost savings analysis
- Supply chain plan
- Schedule date for onsite testing

Onsite Testing

STAGE
4

- Technical support for testing
- Track performance to show improvements and cost savings
- Get buy in from operators
- Look for other improvements and make recommendations

Implementation

STAGE
5

- Burn through existing stock of competitors
- Build proper stock levels of new skus
- Technical support for roll out
- Track usage to ensure production savings

Follow up

STAGE
6

- Quarterly follow-up
- Continue end user support
- Look for other process improvement opportunities

CGW IS HERE TO HELP!

APPLICATION QUESTIONS? A-T-M

Just answer these simple questions (**A-T-M**) and we'll help you find the right product for any application.

APPLICATION?

Cutting, blending, grinding or finishing?

TOOL?

What type of tool/machine are you using? Electronic or Pneumatic?

MATERIAL?

Steel, stainless, non-ferrous, aluminum, etc? What material are you workin on?

**CGW
PRODUCT**



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



Rise & Grind White Pull Over Hoodie

Multiple Sizes Available



Every Cut Counts

Multiple Sizes Available



CGW American Flag Cap

Multiple Sizes Available

RETAIL MERCHANDISING

CGW Abrasives offers a full line of merchandising options to organize your specific product mix. Our display systems and merchandising pieces are designed to make your customers shopping experience clean and easy

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.

Contact your CGW rep or
marketing@cgwabrasives.com
for details.

Reference code **"RETAIL DISPLAY"**
on your order.

Tower Display | IT# 92002

26" W x 70" H | Holds Up to
432 qty 4.5 In Flap Discs

Contact your rep for availability

Wall System | IT# 99143

48" W x 84" H | Planogram
Assistance Available

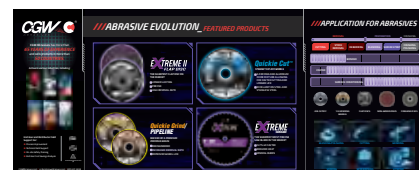
Contact your rep for availability



Counter Mat IT # 90004

30" W x 12" H

Contact your rep for availability



eXtreme II Point of Sale

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

Contact your rep for availability



Tabletop Display

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

Lightning Cut/Clear | It# 99145

eXtreme II/Purple | It# 99144

Quickie, Pipeline Grind/Orange | It# 99146

Contact your rep for availability

Horizontal Selection Card
It# 99131

30" W 12" H

Branded Wall Card
IT# 99135

24" W 8" H

**3 CT Abrasive Vertical
Cards | IT# 99133**

11" W x 8.5" H

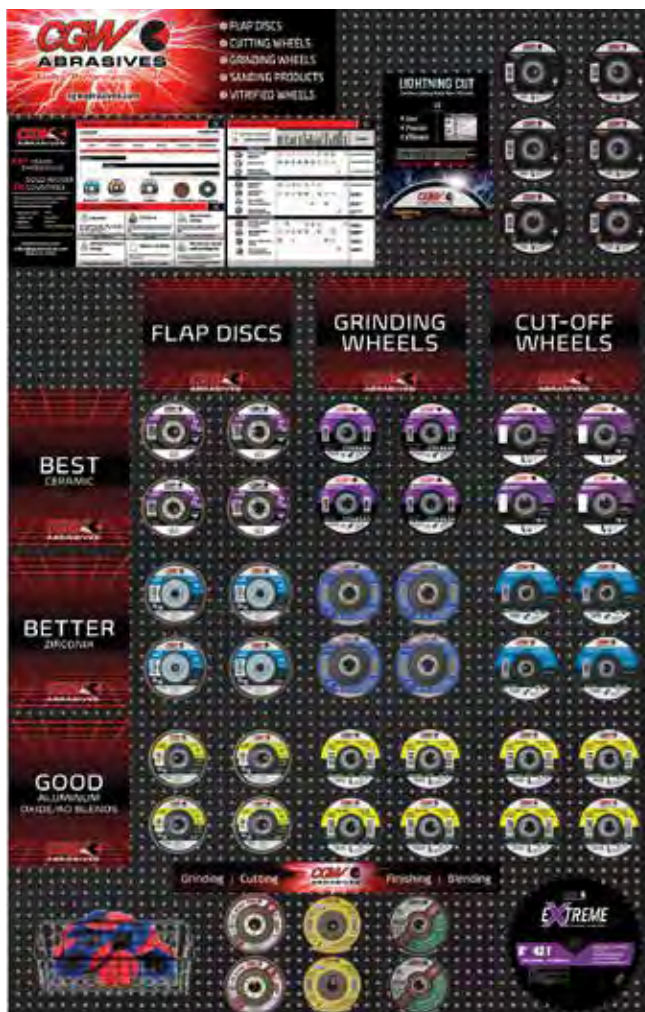
3 CT Good/Better/Best
Cards
It# 99132

8.5" W x 11" H



Refill Hanger | IT# 99077

5.5" Dia.



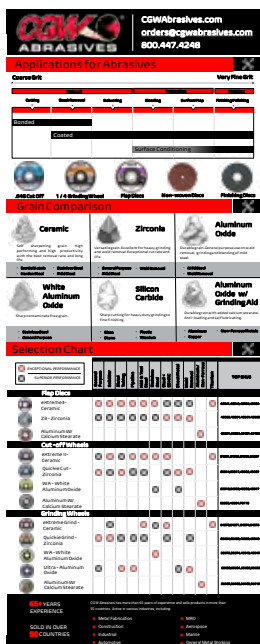
Vertical Selection Card
It# 99130

12" W x 30" H

Contact your rep
for availability



Vertical Selection Card has slim display profile



Thin Branded Wall Card | IT# 99136

24"W x 2"H

Contact your Rep for availability

Grinding | Cutting



Finishing | Blending

Banner | IT# 99134

48"W x 24"H

Contact your Rep for availability

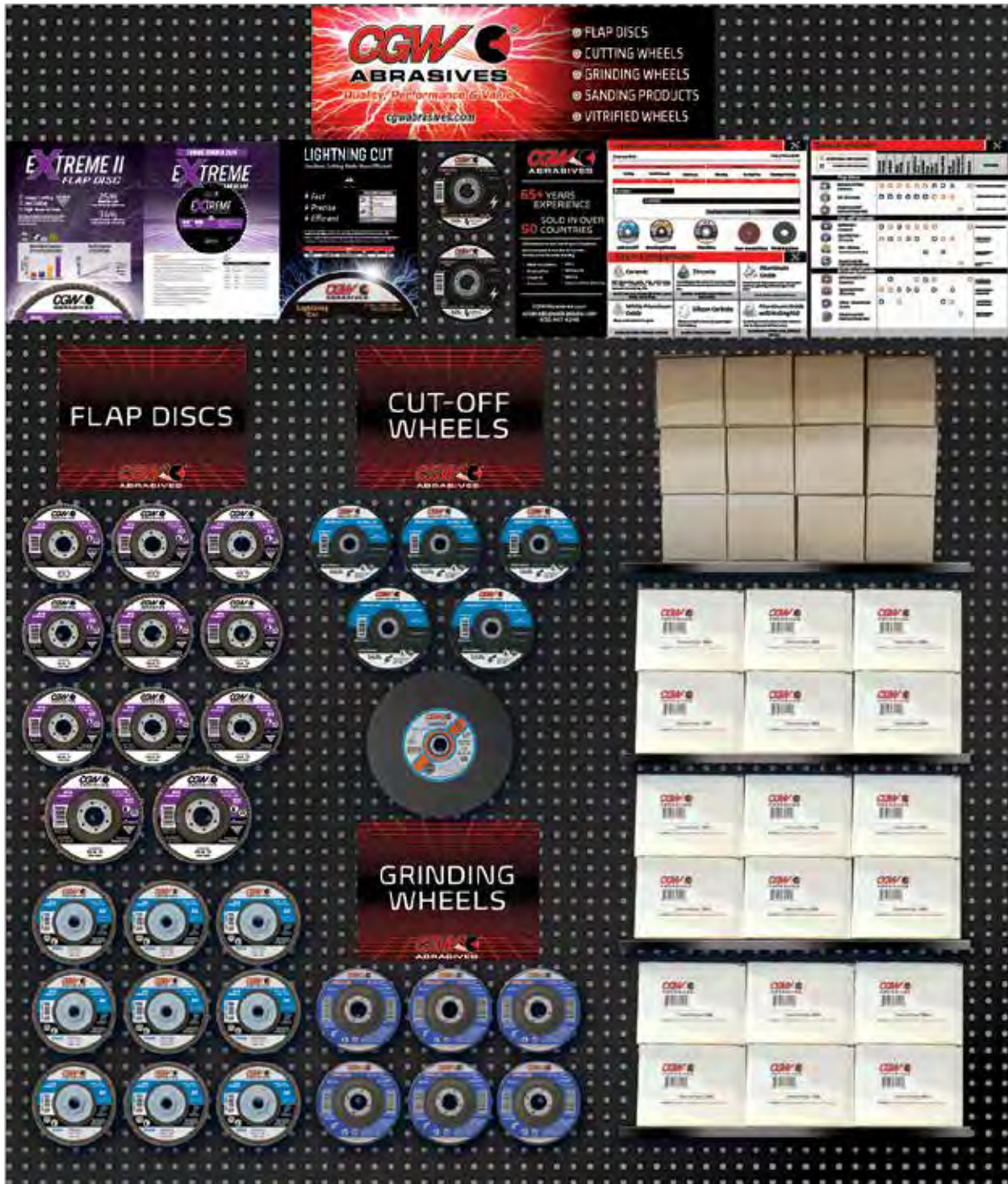


CUSTOM PLANOGRAMS AVAILABLE

CGW recognizes that not all customers are created equal. Need help putting together a retail planogram that fits your particular product mix? We can help. Belt bins, specialized shelving, custom retail marketing pieces...we are here to help. Contact marketing@cgwabrasives.com to get started today.

PLANOGRAM: Brown Welding Supply,
Store A, 8/21/2024

BROWN
WELDING SUPPLY



INTRODUCING

CGW's NEW **EXTREME** LINE OF PREMIUM ABRASIVES

THE NEW STANDARD IN CUTTING, GRINDING, BLENDING & POLISHING

CGW's **EXTREME** abrasives are built for serious professionals who demand maximum performance and unmatched results. Powered by a new and improved ceramic grain formula, these high-performance abrasives deliver:

Up to 50% Higher Material Removal Rate vs. the competition

Longer Life – Spend less time changing wheels

Faster Cutting Action – Boost productivity with every pass

Reduced Heat from Friction – Helps preserve workpiece integrity

Minimal Burr Formation – Cleaner cuts, less rework

**/// ABRASIVE
EVOLUTION**

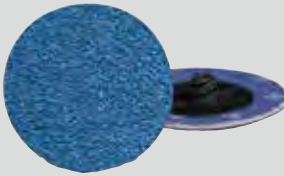
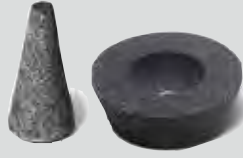
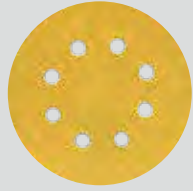
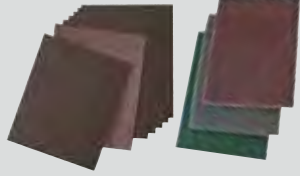
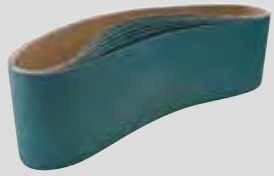
THE NEW STANDARD IN **» CUTTING » GRINDING » BLENDING » POLISHING**

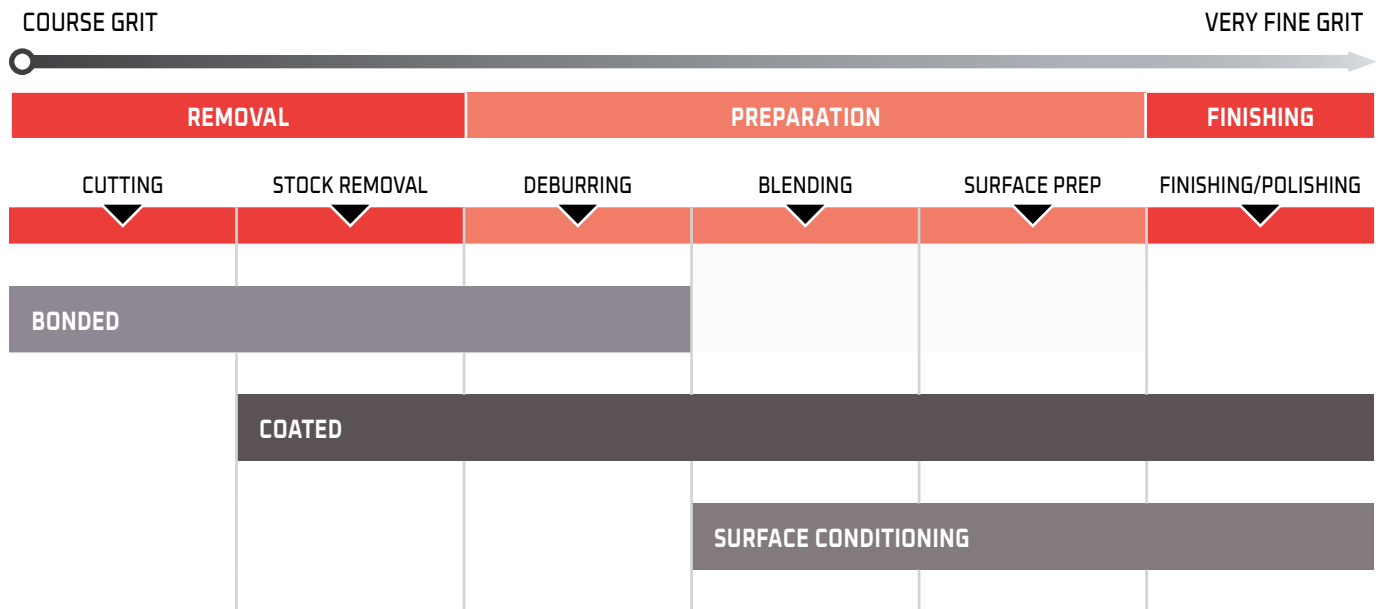
CGW'S **EXTREME SERIES OF ABRASIVES**



THE NEW STANDARD IN_
» CUTTING » GRINDING » BLENDING » POLISHING

CGW PRODUCT HIGHLIGHTS

			
FLAP DISCS & SPECIALTY FLAP DISCS	SURFACE CONDITIONING	SEMI-FLEX DISCS	FIBER DISCS
13		27	
			
QUICK CHANGE DISCS	FLAP WHEELS	LIGHTNING CUT	NEW EXTREME SAW BLADE
35		39	
			
CUTTING WHEELS	GRINDING WHEELS	RESIN CONES, PLUGS, CUP WHEELS	DIAMOND WHEELS
43		59	
			
SANDING DISCS	EXTREME SANDING DISCS	SHOP ROLLS	SHEET & HAND PADS
71		75	
			
BELTS	WIRE BRUSHES	PRECISION GRINDING VITRIFIED WHEELS	TOOL & CUTTER WHEELS
83		87	
	99		115



.045 Cut Off



1/4 Grinding Wheel



Flap Discs



Non-woven Discs



Finishing Discs

GRAIN COMPARISON



CERAMIC

Self sharpening grain. High performing and high productivity with the best removal rate and long life.

Exotic Metals | Stainless Steel | Hard Steel | Mild Steel



ZIRCONIA

Versatile grain. Excellent for heavy grinding and weld removal. Exceptional cut rate and life.

General Purpose | Weld Removal | Mild Steel



ALUMINUM OXIDE

Durable grain. General purpose use on weld removal, grinding and blending of mild steel.

Mild Steel | Weld Removal



WHITE ALUMINUM OXIDE

Sharp contaminate free grain.

Stainless Steel | General Purpose



SILICON CARBIDE

Sharp cutting for heavy duty grinding to fine finishing.

Glass | Stone | Plastic | Titanium



ALUMINUM OXIDE W/GRINDING AID

Durable grain with added calcium stearate. Anti-loading and self lubricating.

Aluminum | Copper | Non-Ferrous Metals

★ EXCEPTIONAL PERFORMANCE

☆ SUPERIOR PERFORMANCE

	General Purpose	Solid Bar	Metal Tubing	Pipeline	HSS & Tool Steel	Stainless Steel	Steel < 55 HRC	Sheet Metal	Weld Removal	Aluminum / Non-Ferrous	Titanium	TOP SKUS
FLAP DISCS												
 eXtreme II PSG Ceramic	★	★	★	★	★	★	☆	☆	☆	★	★	42841, 42842, 42884, 42882
 Z3 Zirconia	☆	☆	☆	☆	☆	☆	★	★	★			42302, 42304, 42361, 42362
 Aluminum w/ Calcium Stearate										☆		43081, 43084, 43101, 43104
CUT-OFF WHEELS												
 eXtreme II Ceramic	☆	★	☆	★	★	★	★				★	54281, 54282, 54283, 54287
 Quickie Cut - Zirconia	★	☆	★	☆	☆		☆	★	★			35514, 35517, 45002, 45007
 WA-White Aluminum Oxide						☆		☆				35515, 36302, 45003, 45017
 Aluminum w/ Calcium Stearate										★		53255, 45004, 70115
GRINDING WHEELS												
 eXtreme Grind-Ceramic		☆			★	★	★				★	54270, 54271, 54274, 54275
 Quickie Grind-Zirconia	★	★	☆	☆	☆	☆	☆		☆			35624, 35625, 45039, 45040
 Aluminum w/ Calcium Stearate										★		36107, 36108, 36109, 36110
 Ultra-Aluminum Oxide	☆		★	★				☆	★			35620, 35621, 35632, 35633





BLENDING/LIGHT GRINDING/POLISHING CONTENT

FLAP DISCS	16
SPECIALTY FLAP DISCS	23
BUFFING/SURFACE PREP DISCS	27
SEMI-FLEX DISCS	31
FIBER DISCS	32
QUICK CHANGE DISCS	36
FLAP WHEELS	39



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

Precision Shaped Grain

WHEEL SIZE

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

GRIT

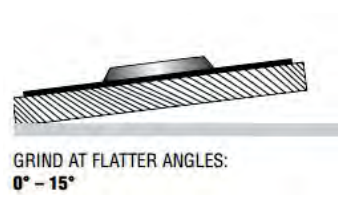
36

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



TYPE 29



REGULAR

Firm grip and softer feel



XL

More Flaps and 35% more life

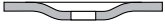




POLISHING/LIGHT GRINDING ICONS EXPLAINED

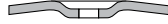
WHEEL TYPES

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



Right Angle Grinder



Die Grinder



Portable Grinder

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



CROSS REFERENCE CHART / FLAP DISCS



eXtreme II PSG



eXtra Z3 Zirconia



Fast Cut



Al Edge Aluminum
w/GrindingAid

BEST

BETTER

GOOD

SPECIALTY

NORTON
SAINT-GOBAIN

BLAZE R980P,
BLAZE

Gemini R766,
BlueFire R860,
Charger R822/R842

Gemini R766,
R822/R766,
Metal R828



3M

Cubitron 769F,967A,
969F

577F



FLOXOVIT

Zircotex
Ceramic

Zircotex,
Zircomax,
Tornado



DEWALT

XP Ceramic



HP High Performance,
WP Extended



METABO

Ceramic
Flapper

Flapper Plus

Original
Flapper



PEARL

Redline Maxidics,
Stainlessmax

Premium Zirconia
Maxidiscs

Polifan
Z SG

Polifan SG
INOX+ALU

PFERD

Polifan CO-COOL SG.
Polifan CO-FREEZE
INOX

Polifan Z SG

Polifan Z PSF

Polifan SG
INOX+ALU

SAIT

Encore Ceramic,
Ovation Ceramic,
Ovation Stainless

Encore ZA, Encore Plus,
Ovation, Ovation Attacker,
Ovation Plus



WALTER
SURFACE TECHNOLOGIES

Enduro-Flex Turbo,
Enduro-Flex Stainless



Enduro-Flex ALU.

WEILER

Tiger Ceramic,
Tiger X

Tiger Paw

Wolverine

Tiger Aluminum

ARC

Ambush

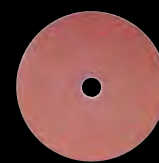
Predator

Zirconia Alumina





CROSS REFERENCE CHART / RESIN FIBER DISCS

eXtreme Ceramic
Fiber DiscseXtreme EZ-Grind:
Fiber x Grinding WheelZirconia Fiber
DiscsAluminum Oxide
Fiber Discs

BEST

BETTER

GOOD

NORTON SAINT-GOBAIN	BLAZE F980, BLAZE F970	✗	Gemini R766, R822/R766 Metal R828	✗
3M	982C, 987C, 787C, 1187C, 1182C	✗	✗	782C, 381C
ARC	Performance Coated Predator	✗	Zirc	AO
DEWALT	XP3	✗	Zirc w/Coolant	AO
METABO	✗	Speed Flex	✗	✗
PEARL	SRT Max	✗	HD Zirc	Silverline AO, Premium AO
PFERD	Victograin	CC-Grind	Zirconia, Z	A-Cool
SAIT	75 Ceramic, 7II Ceramic, 95 Ceramic, Powermax	✗	AZ-X, Z, 3Z	AO, 2A, 3A
WALTER SURFACE TECHNOLOGIES	Coolcut XX	✗	Coolcut	Topcut
WEILER	Tiger Ceramic	✗	Tiger Zirc	Wolverine

EXTREME II FLAP DISC

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

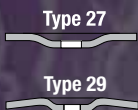
Precision Shaped Grain



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

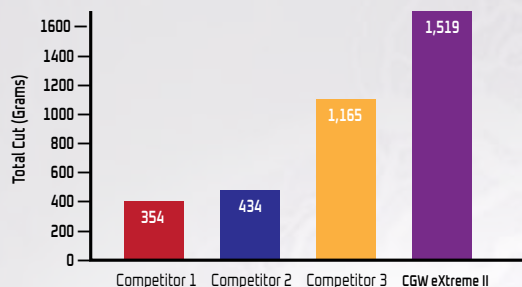


**USA
MADE**



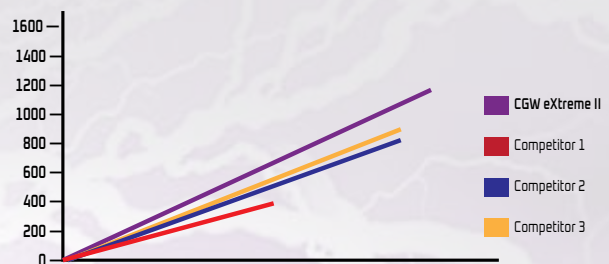
Material Removal Comparison

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

BEST

eXtreme II PSG Type 27 Regular				
SKU	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
43930	6 X 7/8	36	10,200	10
43931	6 X 7/8	40	10,200	10
43932	6 X 7/8	60	10,200	10
43933	6 X 7/8	80	10,200	10
44000	7 X 7/8	36	8,600	10
44001	7 X 7/8	40	8,600	10
44002	7 X 7/8	60	8,600	10
44003	7 X 7/8	80	8,600	10
44100	7 X 5/8-11	36	8,600	10
44101	7 X 5/8-11	40	8,600	10
44102	7 X 5/8-11	60	8,600	10
44103	7 X 5/8-11	80	8,600	10

eXtreme II PSG, Type 29 Regular				
SKU	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
44010	7 X 7/8	36	8,600	10
44011	7 X 7/8	40	8,600	10
44012	7 X 7/8	60	8,600	10
44013	7 X 7/8	80	8,600	10
44110	7 X 5/8-11	36	8,600	10
44111	7 X 5/8-11	40	8,600	10
44112	7 X 5/8-11	60	8,600	10
44113	7 X 5/8-11	80	8,600	10

eXtreme II PSG Plastic Back Regular				
SKU	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
43920	6 X 5/8-11	36	10,200	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
44021	7 X 5/8-11	40	8,600	10
44022	7 X 5/8-11	60	8,600	10
44023	7 X 5/8-11	80	8,600	10

EXTREME II XL FLAP DISCS

BEST

eXtreme II PSG Type 27 XL				
SKU	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 XL				
SKU	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
43873	4-1/2 x 5/8-11	80	13,300	10

C3 CERAMIC FLAP DISCS

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

SKU	Size	Grit	RPM	Box Qty	SKU	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					



eXtreme | Ceramic | Type 27 | XL

SKU	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



eXtreme | Ceramic | Type 29 | Regular

SKU	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.


**USA
MADE**


XL flap disc, T27



Regular flap disc, T29

eXtra | Zirconia | Type 27 | Regular

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	Size	Grit	RPM	Box Qty	SKU	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

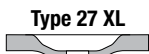
ZIRCONIA-BLEND

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



Regular

XL



Fast Cut | Zirconia Blend | Type 27 | Regular

SKU	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

SKU	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				
SKU	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				
SKU	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				
SKU	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 27 XL				
SKU	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 Regular				
SKU	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 29 XL				
SKU	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

NEW LOOK
SAME FORMULA

CERAMIC

ZIRCONIA

- **C3 (Ceramic)** has 20% more material than regular flap discs.
- **Z3 (Zirconia)** has 20% more material than regular flap discs.
- 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				
SKU	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				
SKU	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				
SKU	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				
SKU	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				
SKU	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.



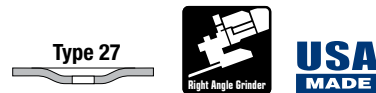
2 -3" Mini Flap Discs Zirconia Type 27					
SKU	Size	Grit	RPM	Box Qty	Holder Pad
30001	2	36	24,000	10	59732
30002	2	40	24,000	10	
30004	2	60	24,000	10	
30005	2	80	24,000	10	
30006	2	120	24,000	10	
30011	3	36	24,000	10	59734
30012	3	40	24,000	10	
30014	3	60	24,000	10	
30015	3	80	24,000	10	
30016	3	120	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

SKU	Size	Grit	RPM	Box Qty
49549	4-1/2 x 1/4 x 7/8	36	13,300	25
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.

Medium/Maroon
180 grit



Coarse/Brown
120 grit

Very Fine/Blue
320 grit



Surface Conditioning Flap Discs, Type 29, Regular

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	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
46691	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

SKU	Size	Grain	Type	RPM	Box Qty	SKU	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.

Type 27



Unitized Fiberglass Wheels | Aluminum Oxide | Type 27

SKU	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

SKU	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.

Type 27



Premium Unitized Right Angle Grinding Wheels, Silicon Carbide, Type 27

SKU	Size	Density/Grade	RPM	Box Qty
72050	4-1/2 x 7/8	2/S Fine	11,000	10
72055	4-1/2 x 5/8-11	2/S Fine	11,000	10
72053	5 x 7/8	2/S Fine	11,000	10
72051	4-1/2 x 7/8	3/S 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.



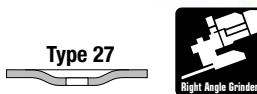
Surface Preps Wheels Aluminum Oxide Type 27				
SKU	Size	Density	RPM	Box Qty
53241	4 x 5/8	Fine	13,700	10
53242	4-1/2 x 7/8	Fine	13,300	10
53243	4-1/2 x 5/8-11	Fine	13,300	10
53244	7 x 7/8	Fine	8,500	10
53245	7 x 5/8-11	Fine	8,500	10
53251	2" Roll-on	Medium	25,000	25
53252	3" Roll-on	Medium	25,000	10

Surface Preps Wheels Silicon Carbide Type 27				
SKU	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.

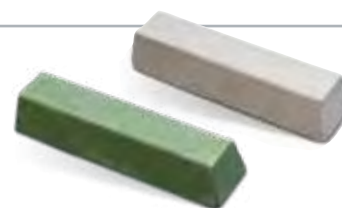
Felt & Wool Buffing Discs Type 27			
SKU	Size	RPM	Box Qty
49698	4-1/2 x 7/8	13,000	10
49699	5 x 7/8	12,200	10



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			
SKU	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				
SKU	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				
SKU	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				
SKU	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

eXtreme EZ-GRIND CERAMIC FIBER DISC WITH GRINDING AID

BEST

CERAMIC

RESIN FIBER x GRINDING WHEEL = EXTREME EZ-GRIND

- 2x More Removal Rate then a 1/4" Wheel
- Improved Productivity
- Reduction in Rework

EXTREME EZ-GRIND discs are the perfect abrasive for quickly removing stock welds as well as heavy duty sanding. All the power of a fiber disc with the extended life of a flap disc. For use on :

- Mild Steel
- Cast Iron
- Aluminum
- Hard Metals
- Stainless Steel
- High Intensive Alloys

EXTREME EZ-GRIND | Type 29 | Ceramic w/ Grinding Aid

SKU	Size	Grit	RPM	Box Qty
79200	4-1/2 x 7/8	24	13,300	10
79201	4-1/2 x 5/8-11	24	13,300	10
79202	4-1/2 x 7/8	36	13,300	10
79203	4-1/2 x 5/8-11	36	13,300	10



Type 29



eXtreme CERAMIC FIBER DISC WITH GRINDING AID

BEST

CERAMIC

- Premium Ceramic grain is extremely hard and self-sharpenes 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

SKU	Size	Grit	RPM	Box Qty	SKU	Size	Grit	RPM	Box Qty
59801	4-1/2 x 7/8	24	13,300	25	59806	5 x 7/8	36	12,200	25
59802	4-1/2 x 7/8	36	13,300	25	59807	5 x 7/8	60	12,200	25
59814	4-1/2 x 7/8	50	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
59819	4-1/2 x 7/8	120	13,300	25	59811	7 x 7/8	60	8,600	25
59805	5 x 7/8	24	12,200	25	59812	7 x 7/8	80	8,600	25

Hubbed eXtreme Ceramic Fiber Discs *SPECIAL ORDER ONLY

SKU	Size	Grit	RPM	Box Qty	SKU	Size	Grit	RPM	Box Qty	SKU	Size	Grit	RPM	Box Qty
59851	4-1/2 x 5/8-11	24	13,300	25	59855	5 x 5/8-11	24	12,200	25	59859	7 x 5/8-11	24	8,600	25
59852	4-1/2 x 5/8-11	36	13,300	25	59856	5 x 5/8-11	36	12,200	25	59860	7 x 5/8-11	36	8,600	25
59873*	4-1/2 x 5/8-11	50	13,300	25	59864*	5 x 5/8-11	50	12,200	25	59895*	7 x 5/8-11	50	8,600	25
59853*	4-1/2 x 5/8-11	60	13,300	25	59857*	5 x 5/8-11	60	12,200	25	59861*	7 x 5/8-11	60	8,600	25
59862*	4-1/2 x 5/8-11	80	13,300	25	59865*	5 x 5/8-11	80	12,200	25	59867*	7 x 5/8-11	80	8,600	25
59863*	4-1/2 x 5/8-11	120	13,300	25	59866*	5 x 5/8-11	120	12,200	25	59868*	7 x 5/8-11	120	8,600	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

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	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

SKU	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

SKU	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
48270	4-1/2 x 5/8-11	Rigid	1
48271	5 x 5/8-11	Rigid	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

SKU	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

SKU	Size	Spec	Box Qty
48224	4-1/2 x 5/8-11	Medium	1
48226	7 x 5/8-11	Flexible	1

Standard Thread Polypropylene Fiber Disc Back-up Pads

SKU	Size	Spec	Box Qty
36204	4 x 1/2	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

SKU	Size	Density/Grain	RPM	Box Qty	SKU	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

SKU	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

SKU	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

SKU	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

SKU	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

eXtreme 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									
SKU	Size	Grit	RPM	Box Qty	SKU	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

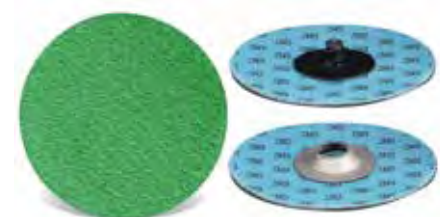
Ceramic Turn-on Quick Change Discs				
SKU	Size	Grit	RPM	Box Qty
59951	2"	36	25,000	50
59952	2"	40	25,000	50
59953	2"	50	25,000	50
59954	2"	60	25,000	50
59955	2"	80	25,000	50
59956	2"	100	25,000	50
59957	2"	120	25,000	50

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									
SKU	Size	Grit	RPM	Box Qty	SKU	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				
SKU	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.



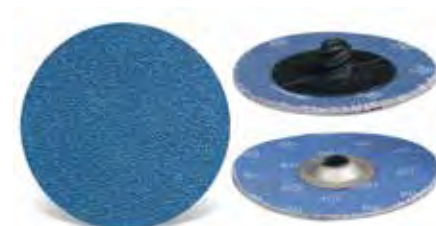
Roll-On



Die Grinder

Zirconia | Roll-On | Quick Change Discs

SKU	Size	Grit	RPM	Box Qty	SKU	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



Die Grinder

Zirconia | Turn-On | Quick Change Discs

SKU	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



Die Grinder

Aluminum Oxide | Roll-On | Quick Change Discs

SKU	Size	Grit	RPM	Box Qty	SKU	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



Die Grinder

Aluminum Oxide | Turn-On | Quick Change Discs

SKU	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				
SKU	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					
SKU	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		
SKU	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			
SKU	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

SKU	Size	Grit	RPM	Box Qty	SKU	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 1/2-20 in Shank

SKU	Size	Grit	RPM	Box Qty	SKU	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

SKU	Size	Cloth Density	Grit	RPM	Box Qty	SKU	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

SKU	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

SKU	Size	Cloth Density	RPM	Box Qty	SKU	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									
SKU	Size	Grit	RPM	Box Qty	SKU	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				
SKU	Size	Density/Grade	RPM	Box Qty	SKU	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

CUTTING WHEELS	47
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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.

	1/4" Grinding, .25, 6.4mm
	1/8" Pipeline Cutoff, .16, 4mm
	1/8" Cutoff, .125, 3.2mm
	3/32" Cutoff, .094, 2.4mm
	T27 Quickie Cut, .045, 1.6mm
	T1 Quickie Cut, .045, 1.6mm
	T1 Quickie Cut, .035, 1.2mm
	Lightning Cut, .030, 0.8mm



EXPIRATION DATE

3 years from date of Manufacture



CUTTING ICONS EXPLAINED

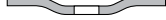
WHEEL TYPES

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



CROSS REFERENCE CHART / CUTOFF WHEELS



eXtreme Cut II,
PSG Ceramic



Quickie Cut,
Zirconia



Fast Cut



Al Edge Aluminum
w/Grinding Aid

BEST

BETTER

GOOD

SPECIALTY

NORTON
SAINT-GOBAIN

Quantum 3, Blaze

Bluefire, Clipper

Gemini. Metal

AU ALU

3M

C3, C2

Silver



ARC



Predator
A60T



Performance
Coated A46T

DEWALT

Elite

Elite

HP

HP ALU

METABO



Original, Super,
Slider, Long Life



Plus

PEARL

SlimcutRedline,
Slimcut SRT

Slimcut Zirc

Slimcut AO,
Slimcut Plus AO

Slimcut ALU,
Slimcut Pro-V

PFERD

SG INOX,
SGP

SG Elastic,
SG Steelox



SG ALU

SAIT

Saitech Ultimate
Ceramic

Z-tech Ultimate Cut

A60S

A46N

WALTER
SURFACETECHNOLOGIES

Zip XX, Zip SS

Zip Wheel



Zip ALU

WEILER

Tiger Ceramic,
Tiger INOX

Tiger Zirc, Tiger Zirc
Ultracut

Wolverine,
Tiger AO

Tiger ALU60S

LIGHTNING CUT

Cordless Cutting Made More Efficient.

⚡ **Fast**
⚡ **Precise**
⚡ **Efficient**

.030
THICKNESS

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

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

CGW
ABRASIVES

**Lightning
Cut**

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

7/8 NO HUB

Type 1/41

cgwabrasives.com

EXTREME SAW BLADE

*THE SHARPEST & MOST PRECISE
SAW BLADE ON THE MARKET*

- *Cuts 4X Faster*
- *Reduced Heat*
- *Minimal Burrs*



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.



Extreme Saw Blade						
SKU	Material	Size	Arbor	Thickness	RPM	Box QTY
45400	Aluminum/ Non-ferrous	7-1/4" x 60T	5/8" w KO	1/4"	5,800	1
45401	Aluminum/ Non-ferrous	12" x 80T	1"	3/8"	5,870	1
45402	Heavy Guage Steel	7-1/4" x 36T	5/8" w KO	1/8"-1/4"	4,800	1
45403	Heavy Guage Steel	8" x 42T	5/8" x KO	1/2"	4,300	1
45404	Heavy Guage Steel	12" x 54T	1"	1/8"-1/2"	2,000	1
45405	Heavy Guage Steel	14" x 66T	1"	1/8"-1/2"	1,800	1
45406	Light Guage Steel	14" x 81T	1"	1/4"	1,800	1

ORDERS | QUESTIONS?

800.447.4248

orders@cgwabrasives.com



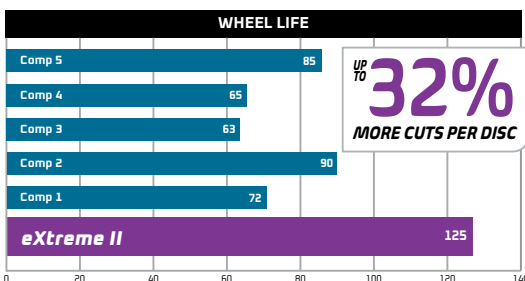


EXTREME CUT II

- Reengineered Formula
- Increased Cut Count
- Extended Lifespan
- Improved Cutting Performance
- Consistent Results
- Reduced Operator Fatigue
- Versatile Application



The new and improved **EXTREME CUT II** delivers significantly more cuts per wheel compared to previous formulations, maximizing productivity. Enhanced durability allows for longer usage before replacement, reducing downtime and cost. Optimized ceramic grain structure offers faster, smoother, and cooler cuts with less effort. Performs exceptionally well across a wide range of materials, including hardened steel and stainless alloys.



PREMIUM CERAMIC GRAIN: Self sharpening grain. High performing and high productivity with the best removal rate and long life.



Type 1

Extreme Cut II Ceramic Type 1				
SKU	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

Type 27

Extreme Cut II Ceramic Type 27				
SKU	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

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



Rigid



Type 1



Right Angle Grinder



FLEX				
SKU	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				
SKU	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



Type 27



Right Angle Grinder



Quickie Cut Type 27									
SKU	Size	Spec	RPM	Box Qty	SKU	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.



Contaminant-Free Cut-Off Wheels Type 1				
SKU	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				
SKU	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.



Aluminum W/Grinding Aid Cut-Off Wheels Type 1				
SKU	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				
SKU	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

SKU	Size	Spec	RPM	Box Qty
45218	4-1/2 x .094 (3/32) x 7/8	A36S	13,300	25
45219	4-1/2 x .094 (3/32) x 5/8-11	A36S	13,300	10
45220	5 x .094 (3/32) x 7/8	A36S	12,200	25
45221	5 x .094 (3/32) x 5/8-11	A36S	12,200	10
45222	6 x .094 (3/32) x 7/8	A36S	10,200	25
45223	6 x .094 (3/32) x 5/8-11	A36S	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

SKU	Size	Spec	RPM	Box Qty
45020	4-1/2 x 3/32 x 7/8	WA36S	13,300	25
45021	4-1/2 x 3/32 x 5/8-11	WA36S	13,300	10
45024	6 x 3/32 x 7/8	WA36S	10,200	25
45025	6 x 3/32 x 5/8-11	WA36S	10,200	10
45026	7 x 3/32 x 7/8	WA36S	8,500	25
45027	7 x 3/32 x 5/8-11	WA36S	8,500	10





1/8" (.125) DEPRESSED CENTER CUTTING AND NOTCHING 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									
SKU	Size	Spec	RPM	Box Qty	SKU	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 CUTTING & NOTCHING WHEELS

WHITE

- White Aluminum Oxide** grain with S-grade bond. Contaminant-free design for fast-cutting of stainless steel & ferrous metals. Contains less than .01% iron, sulfur, or chlorine for rust-free and corrosion-free results.

Ultra Type 27 White Aluminum Oxide Stainless Steel				
SKU	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

Type 27



CERAMIC DIE GRINDER WHEELS

BEST

CERAMIC

Type 1



Ceramic Die Grinder Wheels

SKU	Size	Spec	RPM	Box Qty
36181	3 x 1/32 x 3/8	CE46V	25,000	50
36182	3 x 1/16 x 3/8	CE46V	25,000	50
36183	4 x 1/32 x 3/8	CE46V	19,100	50
36184	4 x 1/16 x 3/8	CE46V	19,100	50



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

BETTER

ZIRCONIA

Type 1



Zirconia Die Grinder Wheels | 1/4" Arbor

SKU	Size	Spec	RPM	Box Qty
36175	3 x 1/32	Z60T	25,000	50
36173	3 x 1/16	Z60T	25,000	50

Zirconia Die Grinder Wheels | 3/8" Arbor

SKU	Size	Spec	RPM	Box Qty
36176	3 x 1/32	Z60T	25,000	50
36174	3 x 1/16	Z60T	25,000	50
36180	4 x 1/32	Z60T	19,100	50
36178	4 x 1/16	Z60T	19,100	50



DIE GRINDER MANDREL ADAPTOR

Die Grinder Mandrel Adaptor

SKU	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.

Type 1



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

SKU	Size	Spec	Type	RPM	Box Qty
35687	1-1/2 x 1/32	A60R	R	45,000	50
45066	2 x 1/16	A60R	R	30,000	50
35500	3 x 1/32	A60T	R	23,900	50
35502	3 x 1/16	A46T	R	23,900	50
45085	3 x 1/16	A46T	R	23,900	50
35504	3 x 1/8	A46T	R	23,900	25
35506	4 x 1/32	A60T	R	22,000	50
35508	4 x 1/16	A46T	R	22,000	50
45088	4 x 1/16	A46T	R	22,000	50
35511	4 x 1/8	A46T	R	22,000	25

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

SKU	Size	Spec	RPM	Box Qty
35510	4 x 1/16	A46T	22,000	50

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

SKU	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	A60T	23,900	50
35503	3 x 1/16	A46T	23,900	50
45086	3 x 1/16	A46T	23,900	50
35505	3 x 1/8	A46T	23,900	25
35507	4 x 1/32	A46T	22,000	50
35509	4 x 1/16	A46T	22,000	50
45087	4 x 1/16	A46T	22,000	50
35512	4 x 1/8	A46T	22,000	25

PREMIUM & PRIMARY BOND 12-20" STATIONARY SAW WHEELS

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

- A: Aluminum Oxide – Metal & Steel.

Type 1



Stationary Saw Wheels | Premium Bond

SKU	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

SKU	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

12 – 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

SKU	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

SKU	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+Cl≤0.1%



14" Specialty Chop Saw Wheels for Stainless Steel

SKU	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

SKU	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

SKU	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

SKU	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

SKU	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

SKU	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 62

RESIN CONES & PLUGS 68



NEW & IMPROVED
FORMULAS

FEATURED PRODUCT

QUICKIE GRIND/ PIPELINE

Backed by a premium
zirconia grain.

- Reengineered
- Increased Removal Rate
- Improved Wheel Life

PAGE 62

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

READING GRINDING WHEEL SPECIFICATIONS



TYPE

Type 27

WHEEL SIZE

5" x 1/4"

WIDTH THICKNESS

ABRASIVE GRAIN GUIDE

CER	24	T
Ceramic Grain	Grain Size	Grade

MAXIMUM OPERATING SPEED

80 m/s, MAX.
12,200 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



1/4" Grinding, .25, 6.4mm

1/8" Pipeline Grind/Cut, .160, 4mm

1/8" Grinding, .125, 3.2mm

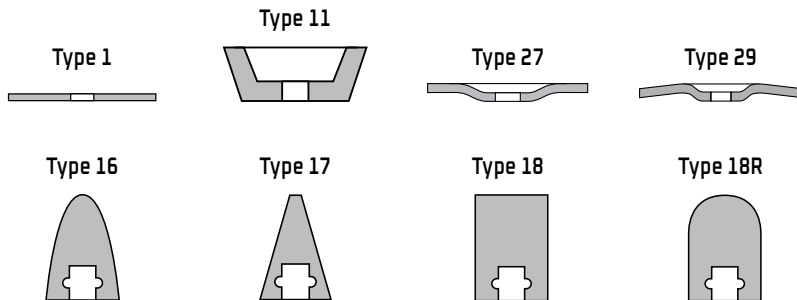


EXPIRATION DATE

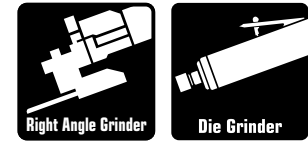
3 years from date of Manufacture

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

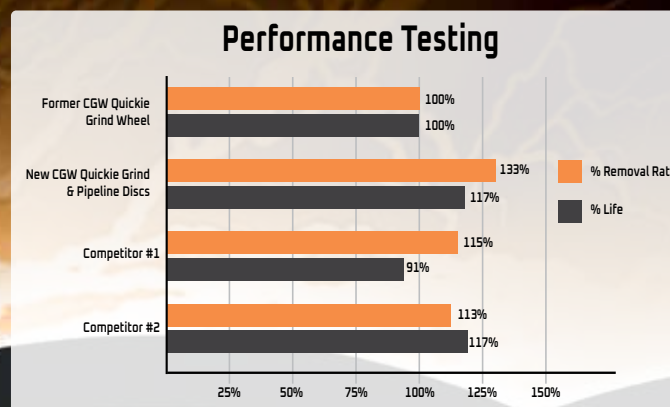
A new & improved formula backed by a premium zirconia grain. These premium quick grind discs are the new standard for high efficiency grinding wheels. Ideal for steel, cast iron & stainless-steel applications.

- » REENGINEERED
- » INCREASED REMOVAL RATE
- » IMPROVED WHEEL LIFE

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
45204	5 x 1/8 x 7/8	ZA24T	12,250	25
45205	5 x 1/8 x 5/8-11	ZA24T	12,250	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
35683	9 x 1/8 x 7/8	ZA24T	6,600	25
35684	9 x 1/8 x 5/8-11	ZA24T	6,600	10

Quickie Grind Zirconia Grain Type 27				
UPC	Size	Spec	RPM	Box Qty
35619	4 x 1/4 x 3/8	ZA24T	15,300	25
35618	4 x 1/4 x 5/8	ZA24T	15,300	25
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

Zirconia Grain



CGW
ABRASIVES

CGW
ABRASIVES

Quickie Grind

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



CROSS REFERENCE CHART / GRINDING WHEELS

eXtreme
CeramicQuickie Grind,
Zirconia

PIPELINE



Ultra AO



Fast Cut



UltraWA

BEST

BETTER

GOOD

NORTON SAINT-GOBAIN	Quantum 3, Ceramic	BlueFire	Gemini Combo/Pipeline	Gemini	Gemini-Fast Cut Metal, Clipper	✗
3M	Cubitron II, Cubitron III, Silver, Green Corps	✗	✗	General Purpose	✗	✗
ARC	✗	✗	✗	Predator	✗	✗
DEWALT	XP Ceramic	Elite Series	Pipeliner	HP	Metal	✗
METABO	M-Calibur	Plus-Z	Plus-Z	Long Life	Original	Plus-Z
PEARL	SRT, CBT	Redline	CBT PRO	Premium	Silverline	✗
PFERD	SGP Steelix	Zirkon	SGP/PSF Steelix	Steel PSF	Steel SG	SGP/PSF Steelix
SAIT	Ultimate Performance, Ultimate Grind Ceramic	The Ultimate Grind, Sait Z-tech	Sait Grind CF XA24Q	Long Life, General Purpose, Tough Grind, Attacker	Fast Grind	Sait Grind CF XA24Q
WALTER SURFACE-TECHNOLOGIES	Xcavator XX	Xcavator	Stainless	HP XX	HP	Stainless
WEILER	Tiger Ceramic	Tiger Zirc	Tiger Inox	Wolverine	Wolverine	Tiger Inox

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.



Type 27



eXtreme Grind Type 27 Ceramic									
SKU	Size	Spec	RPM	Box Qty	SKU	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



Type 27



Ultra Type 27 Aluminum Oxide									
SKU	Size	Spec	RPM	Box Qty	SKU	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

WHITE ALUMINUM OXIDE STAINLESS STEEL GRINDING WHEELS

WHITE ALUMINUM OXIDE

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



1/4" (.25) | Stainless Steel | Type 27 | White Aluminum Oxide

SKU	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
37543	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 5/8-11	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

SKU	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
35642	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

SKU	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

NEW LOOK
SAME FORMULA

ALUMINUM

ALUMINUM OXIDE

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

Type 27



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

GOOD

Fast Cut T-Bond Type 27 Aluminum Oxide				
SKU	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

Type 27





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

SKU	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

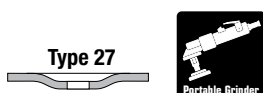
Aluminum Green Grind Grinding Wheels | Zirconia | Type 27

SKU	Size	Spec	RPM	Box Qty	SKU	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

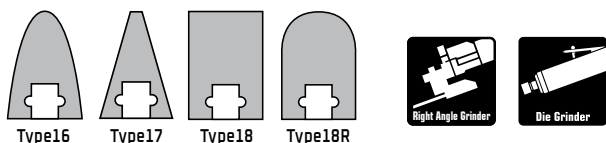
- Automotive parts manufacturing, sheet metal production, finishing work, weld spot cleaning, ornamental iron work, rough die cast cleaning & detailing, light to heavy stock removal.
- Compact and lightweight for easy use in hard to reach work areas.
- Advanced abrasive grain blend for smooth grinding.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



Mini Grinding Discs Aluminum Oxide				
SKU	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				
SKU	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				
SKU	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

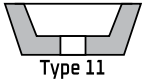
Resin Plugs Aluminum Oxide Type 18				
SKU	Size	Spec	RPM	Box Qty
49031	1-1/2 x 2-1/2 x 5/8-11	A16R	24,100	10
49032	1-1/2 x 3 x 3/8-24	A16R	24,100	10
49033	1-1/2 x 3 x 5/8-11	A16R	24,100	10
36239	2 x 3 x 5/8-11	A24R	18,800	10
49035	2 x 3 x 5/8-11	A16R	18,800	10

Resin Plugs Aluminum Oxide Type 18R				
SKU	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				
SKU	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				
SKU	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.

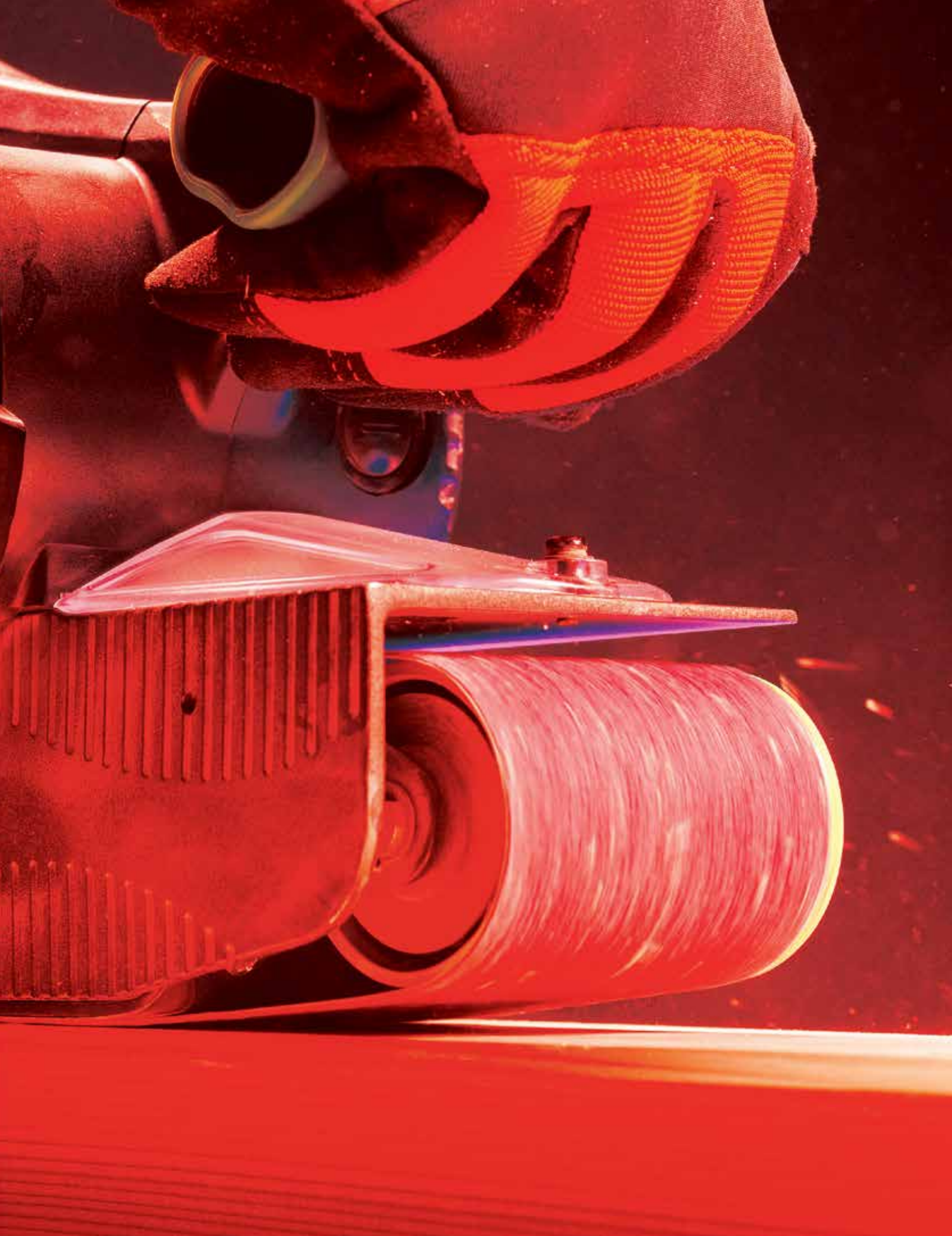


Diamond Depressed Center Grinding Wheel Type 29				
SKU	Size	Use	Grit	Box Qty
70401	4-1/2 x 5/8-11	Notch/Cut/Grind	24	1
70407	7 x 5/8-11	Notch/Cut/Grind	24	1
70408	7 x 7/8	Notch/Cut/Grind	24	1

Diamond High Speed Grinding Wheels Type 1				
SKU	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	74
FILM SANDING DISCS	76
CLOTH SANDING DISCS	77
FINISHING SANDING DISCS	78
SANDING DISC PADS	79
SANDING SHEETS	81
BELTS	83



FEATURED PRODUCT

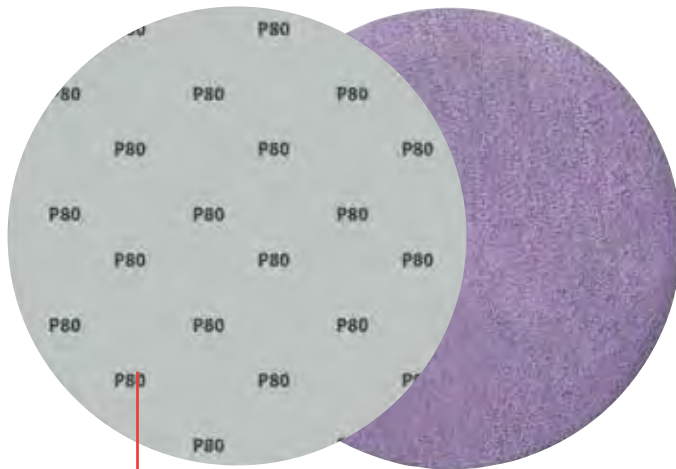
eXtreme paper sanding discs

- 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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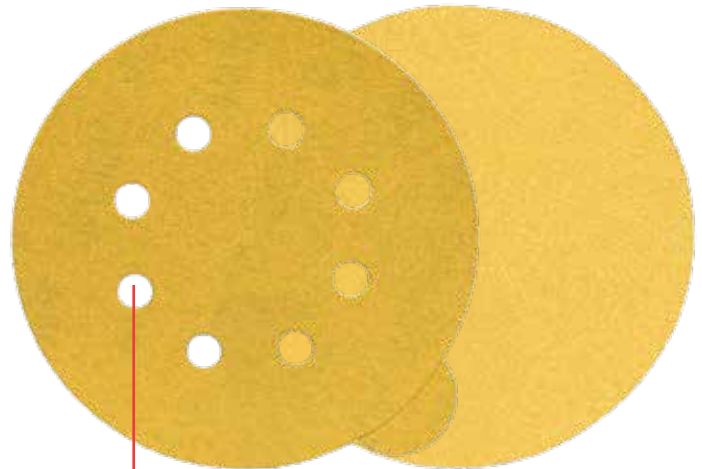
UP
TO **2X**
THE LIFE OF
CONVENTIONAL
SANDING PRODUCTS

READING SANDING SPECIFICATIONS



GRIT

P80
P=FEPA Standard

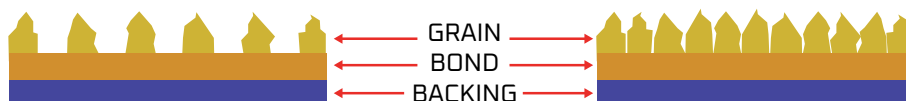


8 VAC

Number of
Vacuum Holes

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

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

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

METALWORKING

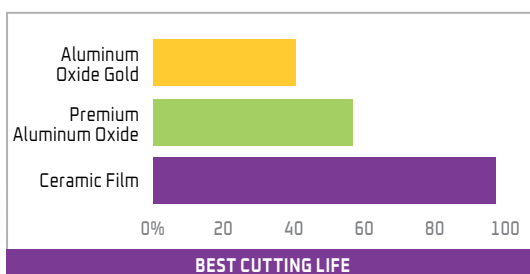
	BEST	BETTER	GOOD
GRAIN	Ceramic	Zirconia Zirconia w/Grinding Aid	Aluminum Oxide
APPLICATION	Heavy stock removal on metals Stainless steel, exotic metals	Excels on stainless steel Metal, stainless steel, wood	General purpose: metal, aluminum, brass, wood

EXTREME FILM[®] SANDING DISCS

BEST

CERAMIC

- Premium sharp ceramic grain for the best sanding results.
- Best choice for dry or wet sanding applications.
- Film offers up to 4X the life of paper sanding discs.



FEATURES

- **Premium Abrasive Grain** – premium ceramic grain for the finest sanding and most consistent finishing.
- **Anti-clogging stearate coating** – minimal loading and clogging.
- **Dual applications** – can be used in wet or dry surfaces.
- **Tear resistant film backing** – 100 micron/.004 mil durable film backing.
- **Grit range 60-600** – H&L and PSA.
- **Heat dissipation** – protects the workpiece from warping, burning, or discoloration.

MATERIAL APPLICATIONS:

- **Ferrous metals** – steel, stainless steel
- **Non-ferrous metals** – aluminum, copper, brass
- **Softwoods** – Cedar, pine, spruce, fir
- **Hardwoods** – Walnut, cherry, maple, mahogany, teak ash, oak
- **Composites** – carbon fiber, fiberglass
- **Plastics** – PVC, polycarbonate, acrylic



eXtreme Film Sanding Discs | Ceramic | Pressure Sensitive Adhesive | Disc With Tab

SKU	Size	VAC	Grit	QTY
51600	5	0	P60	100
51601	5	0	P80	100
51602	5	0	P100	100
51603	5	0	P120	100
51604	5	0	P150	100
51605	5	0	P180	100
51606	5	0	P220	100
51607	5	0	P320	100
51608*	5	0	P400	100
51609	5	0	P600	100
51610*	5	0	P800	100
51611*	5	0	P1200	100
51612*	5	0	P2000	100

*SPECIAL ORDER ONLY

eXtreme Film Sanding Discs | Ceramic | Hook & Loop

SKU	Size	VAC	Grit	QTY
51620	5	0	P60	100
51621	5	0	P80	100
51622	5	0	P100	100
51623	5	0	P120	100
51624	5	0	P150	100
51625	5	0	P180	100
51626	5	0	P220	100
51627	5	0	P320	100
51628*	5	0	P400	100
51629*	5	0	P600	100
51630*	5	0	P800	100
51631*	5	0	P1200	100
51632*	5	0	P2000	100

*SPECIAL ORDER ONLY



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.



5" | Ceramic | Hook & Loop

SKU	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

6" | Ceramic | Hook & Loop

SKU	Size	VAC	Grit	QTY
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

5" | Ceramic | Pressure Sensitive Adhesive | Disc on a Roll

SKU	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

6" | Ceramic | Pressure Sensitive Adhesive | Disc on a Roll

SKU	Size	VAC	Grit	QTY
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

5" | Ceramic | Hook & Loop | Vac Hole

SKU	Size	VAC	Grit	QTY
51640	5	5	P60	100
51641	5	5	P80	100
51642	5	5	P100	100
51643	5	5	P120	100

SKU	Size	VAC	Grit	QTY
51644	5	5	P150	100
51645	5	5	P180	100
51646	5	5	P220	100
51647	5	5	P320	100

eXtreme

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

SKU	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

SKU	Size	VAC	Grit	QTY	SKU	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

SKU	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

SKU	Size	VAC	Grit	QTY	SKU	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



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

SKU	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

SKU	Size	Grit	QTY	SKU	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

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

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

SKU	Size	Grit	QTY	SKU	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 & 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

SKU	Size	Spec	RPM	Box Qty	SKU	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 & LOOP WITH ARBOR HOLE

Finishing Discs Hook & Loop with Arbor Hole				
SKU	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:

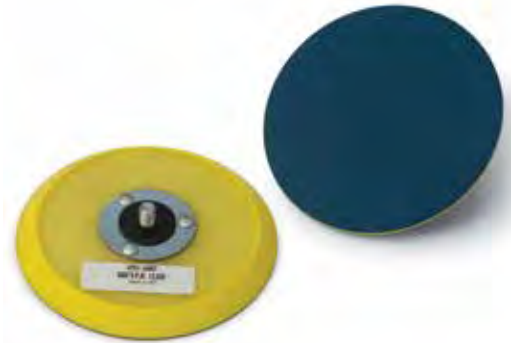
- Hub, foam & facing are all one molded unit.
- More durable and longer lasting than bonded pads.

FIBERGLASS HUBBED PSA DISC PADS

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



Fiberglass Hubbed PSA Disc Pads				
SKU	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.

Fiberglass Hubbed Hook & Loop Disc Pads				
SKU	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					
SKU	Size	Qty	SKU	Size	Qty
49532	4 x 5/8-11	1	49534	5 x 5/8-11	1
49533	4-1/2 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

SKU	Grit	Size	Qty	SKU	Grit	Size	Qty	SKU	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



FLEXIBLE CLOTH SHEETS, J-WEIGHT - CLOSED COAT

- Used extensively for metal working and maintenance departments.



9" x 11" | Flexible Cloth Sheets | J-Weight

SKU	Grit	Box Qty	SKU	Grit	Box Qty
44925	60	50	44923	180	50
44862	80	50	44922	220	50
44861	100	50	44921	240	50
44924	120	50	44919	320	50
44860	150	50	44917	400	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.



9" x 11" | B-Weight

SKU	Grit	Box Qty
44871	240	50
44845	320	50
44844	400	50
44843	600	50
44867	800	50
44866	1000	50
44865	1200	50
44889	2000	50

9" x 11" | C-Weight

SKU	Grit	Box Qty
44873	80	50
44849	100	50
44848	120	50
44847	180	50
44846	220	50



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

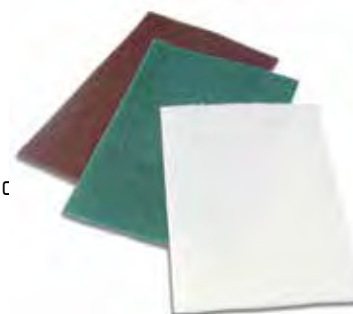
SKU	Color	Box Qty	SKU	Color	Box Qty
36287	Maroon	20	36286	Tan	20
36283	Grey	20	36288	Maroon	100
36284	Green	20	71151	Black	20
36285	White	20			



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

SKU	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, open coat for rapid stock removal and long life.
- For plastics and wood.



Wide X-Weight Woodworking Belts

SKU	Size	Grit	Qty	SKU	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

SKU	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

Wide Y-Weight Metalworking Belts

SKU	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			
SKU	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			
SKU	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			
SKU	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			
SKU	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			
SKU	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

- 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.



File Sander



Portable Belt Sander



Benchstand Grinder



Backstand Belt Grinder



X-Flex Surface Conditioning Belts

SKU	Size	Spec	Box Qty	SKU	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

WIRE KNOT WHEEL BRUSHES	90
WIRE CUP BRUSHES	91
WIRE END BRUSHES	93
CRIMPED WIRE WHEEL BRUSHES	94
SCRATCH & PAINT BRUSHES	96
BULK WIRE WHEEL BRUSHES	97



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

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

REINFORCED KNOT WIRE WHEEL BRUSHES - STRINGER BEAD



Reinforced Knot Wire Wheel Brushes - Stringer Bead

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

FAST CUT KNOT WIRE WHEEL BRUSHES - STANDARD TWIST



Knot Wire Wheel Brushes - Standard Twist

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



FAST CUT KNOT WIRE WHEEL BRUSHES - STRINGER BEAD



Knot Wire Wheel Brushes - Stringer Bead

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

FAST CUT KNOT WIRE WHEEL BRUSHES - CABLE TWIST



Knot Wire Wheel Brushes - Cable Twist

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

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

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

FAST CUT WIRE CUP BRUSHES - KNOT



Wire Cup Brushes - Knot

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



FAST CUT WIRE CUP BRUSHES - CRIMPED



Wire Cup Brushes - Crimped

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



Reinforced Wire End Brushes - Knot

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



Reinforced Wire End Brushes - Crimped

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

FAST CUT WIRE END BRUSHES - KNOT



Wire End Brushes - Knot

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

FAST CUT WIRE END BRUSHES - CRIMPED



Wire End Brushes - Crimped

SKU	Size	Type	Wire Size	Trim Length	Shank	RPM	Box Qty
60590	3/4"	Carbon	0.014	1"	1/4"	20,000	5
60591	3/4"	Stainless	0.014	1"	1/4"	20,000	5
60592	1"	Carbon	0.014	1"	1/4"	20,000	5
60593	1"	Stainless	0.012	1"	1/4"	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

SKU	Size	Type	Wire Size	Trim Length	Shank	RPM	Box Qty
60160	1-1/2"	Carbon	0.012	1"	1/4"	20,000	10
60161	2-1/2"	Carbon	0.014	2/3"	1/4"	20,000	10
60162	3"	Carbon	0.014	1"	1/4"	20,000	10

REINFORCED CRIMPED WIRE WHEEL BRUSHES - 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

SKU	Size	Type	Wire Size	Trim Length	Shank	RPM	Box Qty
60170	2"	Carbon	0.014	1/2"	1/4"	25,000	10
60171	2"	Carbon	0.014	1"	1/4"	25,000	10
60172	3"	Stainless	0.014	1"	1/4"	25,000	10



REINFORCED CRIMPED WIRE WHEEL BRUSHES - HIGH SPEED



**MADE IN
USA**

Reinforced Crimped Wire Wheel Brushes - High Speed

SKU	Size	Type	Wire Size	Trim Length	Arbor Hole	RPM	Box Qty
60150	4"	Carbon	0.014	5/6"	5/8"-11	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

SKU	Size	Type	Wire Size	Trim Length	Arbor Hole	RPM	Box Qty
60180	8"	Carbon	0.014	1-1/2"	5/8"	4,500	1
60182	6"	Carbon	0.014	1-1/8"	1/2-5/8"	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

SKU	Size	Type	Wire Size	Trim Length	Arbor Hole	RPM	Box Qty
60190	6"	Carbon	0.014	1"	1/2-5/8"	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

SKU	Size	Type	Wire Size	Trim Length	Arbor Hole	RPM	Box Qty
60195	7"	Carbon	0.014	1-5/9"	5/8"	6,000	1

FAST CUT CRIMPED WIRE WHEEL BRUSHES - HIGH SPEED



Crimped Wire Wheel Brushes - High Speed						
SKU	Size	Type	Wire Size	Trim Length	RPM	Box Qty
60650	4"	Carbon	0.014	5/6"	15,000	5
60651	4"	Stainless	0.014	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			
SKU	Rows	Type	Box Qty
60201	3 x 19	Carbon Steel	12
60202	3 x 19	Stainless	12

Small Cleaning Scratch Brush			
SKU	Rows	Type	Box Qty
60211	3 x 7	Stainless	36



CHIP BRUSHES

Chip / Paint Brushes		
SKU	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

SKU	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	92
49636	4"	Stainless	0.020	5/8-11	20,000	10	50	60011	92

Bulk Knot Wire Wheel Brushes - Cable Twist Wheel Brush

SKU	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	93

Bulk Knot Wire Wheel Brushes- Stinger Bead

SKU	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	93
49640	4"	Stainless	0.020	5/8-11	20,000	10	50	60521	93
49641	6"	Carbon	0.020	5/8-11	12,000	10	50	60523	93

Bulk Knot Wire Cup Brushes

SKU	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	94
49646	2-3/4"	Carbon	0.020	5/8-11	12,500	10	50	60537	94
49647	4"	Carbon	0.020	5/8-11	8,500	10	50	60539	94

Bulk Reinforced Knot End Brushes with 1/4" Shank

SKU	Size	Type	Wire Size	Shank	RPM	Boxes	Qty	Indiv. UPC	Page #
60133	1"	Carbon	0.006	1/4"	22,000	12	144	60131	95

Bulk Knot End Brushes with 1/4" Shank

SKU	Size	Type	Wire Size	Shank	RPM	Boxes	Qty	Indiv. UPC	Page #
49650	1"	Carbon	0.020	1/4"	22,000	20	100	60580	95

Bulk Crimped Wire Wheel Brushes with 1/4" Shank

SKU	Size	Type	Wire Size	Shank	RPM	Boxes	Qty	Indiv. UPC	Page #
49643	2"	Carbon	0.014	1/4"	25,000	20	200	60170	96
49644	3"	Carbon	0.014	1/4"	25,000	20	200	60171	96

Bulk Crimped Wire Wheel Brushes

SKU	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	98





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					



5-8 Structures



10-14 Structures

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**.

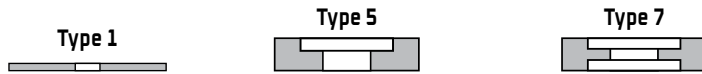
-If it sounds dull, the wheel is damaged-**DISCARD WHEEL.**
DO NOT USE DAMAGED WHEELS.





VITRIFIED WHEEL ICONS EXPLAINED

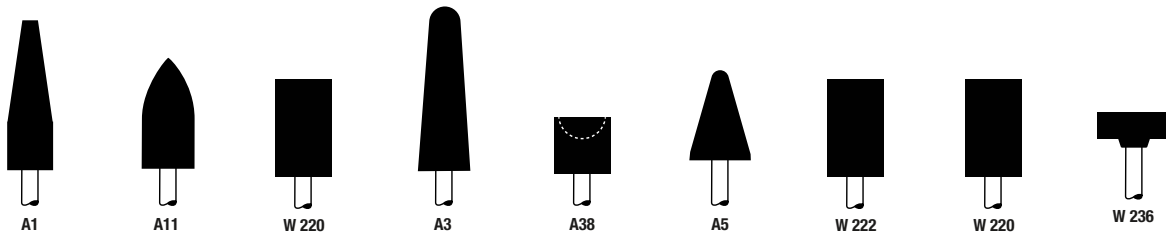
SURFACE, BENCH, PEDESTAL & CENTERLESS WHEEL TYPES



TOOL & CUTTER WHEEL TYPES



MOUNTED POINT TYPES



CERTIFICATIONS


BEST


AS3
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	35G, 55G, 3NQ, 5NQ	35G, 55G	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 5 (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 1-1/2 x 5	T1	46	I		37747				34802	
14 x 1-1/2 x 5	T1	46	J	34239	37720	34458			34803	
14 x 1-1/2 x 5	T1	46	K			34459	59045			
14 x 1-1/2 x 5	T1	60	H			34460				
14 x 1-1/2 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/2-8 x 3/8)	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

SKU	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, 0-12-1/2 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							
SKU	Size	Spec	Box Qty	SKU	Size	Spec	Box Qty
34148	11-1/4 x 2-1/4 x 6	AS5-36-E12V	6	34152	11-1/4 x 3 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
34153	11-1/4 x 3 x 8	AS5-36-E12V	5	34154	11-1/4 x 3 x 8	WA-36-E12V	5
34147	11-1/4 x 2-1/4 x 6	AS3-36-E12V	6	34151	11-1/4 x 2-1/4 x 8	WA-36-E12V	5
34149	11-1/4 x 2-1/4 x 8	AS3-36-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							
SKU	Width	Description	Box Qty	SKU	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	35282					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

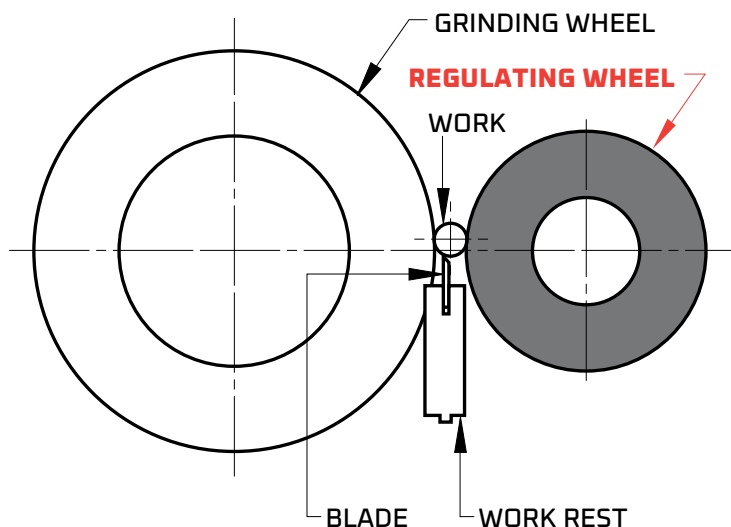
R/1: Recess One Side – Type 5 Wheel

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				
SKU	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:

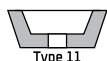
T-11 – Flaring Cup

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.



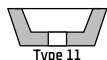
surface speed = 35 m/s



Type 11

White Aluminum Tool & Cutter Wheels | Type 11

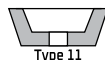
SKU	Size	Grit	Grade	Box Qty	SKU	Size	Grit	Grade	Box Qty
34903	4/3 x 1-1/2 x 1-1/4	46	J	10	34916	5/3-3/4 x 1-3/4 x 1-1/4	46	J	10
34904	4/3 x 1-1/2 x 1-1/4	46	K	10	34917	5/3-3/4 x 1-3/4 x 1-1/4	46	K	10
34907	4/3 x 1-1/2 x 1-1/4	60	J	10	34919	5/3-3/4 x 1-3/4 x 1-1/4	60	I	10
34908	4/3 x 1-1/2 x 1-1/4	60	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

SKU	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

SKU	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

SKU	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.



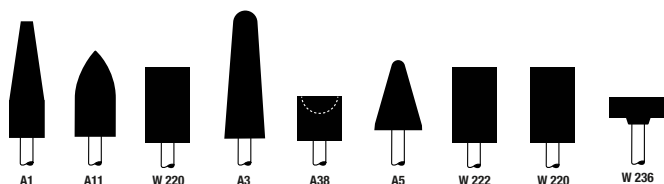
Dressing Wheels				
SKU	Size	Spec	RPM	Box Qty
35905	3 x 1/2 x 1/2	72C-80-L-V	10,823	50
35906	3 x 1 x 1/2	72C-60-L-V	10,823	20
35907	3 x 1 x 1/2	72C-80-J-XV	10,823	20
35908	3 x 1 x 1/2	72C-80-L-V	10,823	20

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

Dressing Sticks			
SKU	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							
SKU	Size	Spec	Box Qty	SKU	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



SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#
30001	28	34064	110	34303	106	34422	108	34616	106	34755	108	35203	113
30002	28	34067	110	34308	106	34425	108	34617	106	34759	108	35207	113
30004	28	34069	110	34309	106	34426	108	34618	106	34761	108	35210	113
30005	28	34070	110	34310	106	34427	108	34619	106	34762	108	35211	113
30006	28	34071	110	34312	106	34429	108	34620	106	34763	108	35212	113
30011	28	34072	110	34313	106	34430	108	34621	106	34766	108	35213	113
30012	28	34074	110	34315	106	34433	108	34622	106	34769	108	35214	113
30014	28	34075	110	34317	106	34434	108	34623	106	34770	108	35218	113
30015	28	34078	110	34318	106	34435	108	34624	106	34771	108	35219	114
30016	28	34080	110	34319	106	34436	108	34625	106	34774	108	35224	114
30142	27	34094	111	34320	106	34437	108	34626	106	34775	108	35225	114
30144	27	34114	107	34321	106	34440	108	34627	106	34778	108	35230	114
30145	27	34115	108	34324	106	34445	108	34628	106	34779	108	35232	114
30146	27	34116	109	34325	106	34447	109	34629	106	34786	109	35233	114
30162	27	34147	111	34326	106	34448	109	34633	106	34790	109	35236	114
30164	27	34148	111	34328	106	34449	109	34634	106	34793	109	35239	116
30202	27	34149	111	34329	106	34452	109	34635	106	34794	109	35241	114
30204	27	34150	111	34330	106	34454	109	34636	106	34795	109	35242	114
30205	27	34151	111	34332	106	34456	109	34638	106	34798	109	35246	114
30212	27	34152	111	34333	106	34458	109	34644	106	34801	109	35247	114
30214	27	34153	111	34335	106	34459	109	34647	107	34802	109	35248	116
30215	27	34154	111	34336	106	34460	109	34648	107	34803	109	35251	114
30222	27	34200	117	34337	106	34462	109	34652	107	34809	109	35254	114
30224	27	34201	117	34341	106	34464	109	34653	107	34811	109	35266	114
30225	27	34203	117	34342	107	34465	109	34655	107	34812	109	35267	114
34003	110	34204	117	34343	107	34466	109	34656	107	34813	109	35270	114
34004	110	34207	106	34344	107	34469	109	34657	107	34816	109	35273	114
34006	110	34208	106	34345	107	34470	109	34663	107	34903	117	35274	116
34007	110	34209	106	34348	107	34472	109	34664	107	34904	117	35277	114
34014	110	34210	106	34349	107	34473	109	34669	107	34907	117	35278	114
34021	110	34212	106	34350	107	34474	109	34671	107	34908	117	35279	114
34022	110	34213	106	34351	107	34480	109	34672	107	34909	117	35280	114
34023	110	34214	107	34352	107	34481	109	34673	107	34914	117	35281	114
34025	110	34215	107	34353	107	34482	109	34674	107	34915	117	35282	114
34027	110	34219	108	34354	107	34486	109	34676	107	34916	117	35283	114
34028	110	34220	108	34355	107	34487	109	34677	107	34917	117	35286	114
34029	110	34221	108	34356	107	34488	109	34678	107	34919	117	35287	115
34032	110	34222	108	34357	107	34489	109	34679	107	34920	117	35288	116
34033	110	34223	108	34358	107	34490	109	34680	107	34921	117	35289	116
34034	110	34225	108	34359	107	34491	109	34681	107	34923	117	35290	116
34036	110	34226	108	34360	107	34493	109	34682	107	34948	117	35293	115
34037	110	34227	108	34364	107	34495	109	34683	107	34949	117	35294	115
34038	110	34230	109	34366	107	34496	109	34688	107	34950	117	35295	115
34039	110	34232	109	34367	107	34497	110	34689	107	34951	117	35296	115
34040	110	34233	109	34369	107	34600	106	34690	107	34952	117	35297	115
34043	110	34234	109	34383	108	34603	106	34692	107	35044	112	35298	115
34044	110	34235	109	34390	108	34604	106	34697	107	35073	112	35299	115
34046	110	34236	109	34391	108	34605	106	34700	107	35074	112	35300	115
34048	110	34238	109	34395	108	34606	106	34702	107	35107	112	35302	116
34049	110	34239	109	34396	108	34607	106	34703	107	35108	112	35303	116
34051	110	34240	109	34411	108	34609	106	34705	108	35109	112	35304	116
34055	110	34241	109	34413	108	34610	106	34725	108	35110	112	35314	115
34057	110	34245	110	34414	108	34611	106	34729	108	35113	112	35319	115
34059	110	34250	106	34418	108	34612	106	34742	108	35114	112	35321	115
34060	110	34252	107	34419	108	34613	106	34744	108	35150	49	35324	115
34063	110	34301	106	34421	108	34615	106	34752	108	35201	113	35333	115

SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#
35620	13	35688	57	36161	59	36301	53	37750	109	38036	112	38533	112	39934	41
35620	66	35689	57	36162	59	36302	13	37752	109	38038	112	38534	112	39935	41
35621	13	35690	57	36163	59	36302	53	37753	109	38039	112	38535	112	39937	41
35621	66	35691	57	36173	56	36450	42	37754	108	38044	112	38580	112	39938	41
35622	67	35699	67	36174	56	36451	42	37755	108	38046	112	39202	26	39939	41
35623	67	35831	33	36175	56	36452	42	37761	109	38047	112	39204	26	39941	41
35624	13	35832	33	36176	56	36453	42	37764	109	38048	112	39205	26	39942	41
35624	64	35833	33	36178	56	36454	42	37768	106	38049	112	39212	26	39943	41
35625	13	35834	33	36180	56	36455	42	37771	107	38050	112	39214	26	39947	41
35625	64	35835	33	36181	56	36456	42	37773	108	38051	112	39402	26	39948	41
35626	66	35836	33	36182	56	36457	42	37779	108	38052	112	39404	26	39949	41
35627	67	35837	33	36183	56	36458	42	37780	108	38053	112	39405	26	39950	41
35628	66	35839	33	36184	56	36459	42	37782	109	38054	112	39412	26	39951	41
35629	67	35840	33	36189	55	36460	42	37783	109	38111	111	39414	26	39954	41
35630	55	35841	33	36190	55	36461	42	37807	113	38113	111	39415	26	39955	41
35631	55	35842	33	36204	36	37098	41	37808	114	38114	111	39422	26	39956	41
35632	13	35843	33	36207	42	37099	41	37809	114	38116	111	39424	26	39964	41
35632	66	35844	33	36208	42	37100	41	37813	114	38121	111	39425	26	39965	41
35633	13	35845	33	36209	42	37530	64	37814	114	38123	111	39432	26	39966	41
35633	66	35851	57	36210	42	37531	67	37815	114	38126	111	39434	26	39967	41
35634	55	35900	71	36211	42	37535	64	37816	114	38161	112	39435	26	39977	41
35635	55	35902	118	36212	42	37543	67	37817	110	38163	112	39442	26	39978	41
35640	66	35905	118	36213	42	37700	106	37817	114	38201	112	39444	26	39979	41
35641	66	35906	118	36214	42	37701	106	37818	114	38203	112	39445	26	39988	41
35642	67	35907	118	36215	42	37702	106	37821	114	38204	112	39462	26	39989	41
35643	67	35908	118	36216	42	37703	106	37831	115	38206	112	39464	26	39990	41
35644	64	35909	118	36217	42	37705	106	37833	115	38501	111	39465	26	39998	41
35645	64	35951	118	36218	42	37706	106	38004	111	38502	111	39472	26	40003	41
35648	55	35953	118	36231	67	37707	107	38007	111	38503	111	39474	26	40004	41
35649	55	35955	118	36232	67	37708	107	38008	111	38504	111	39475	26	40005	41
35654	66	35957	118	36234	58	37709	107	38009	111	38505	111	39903	41	40006	41
35655	66	35975	118	36238	70	37710	107	38010	111	38506	111	39904	41	40007	41
35656	67	36058	118	36239	70	37712	108	38011	111	38507	111	39905	41	40008	41
35657	67	36060	118	36240	70	37714	108	38012	111	38508	112	39907	41	41018	41
35658	64	36067	118	36241	84	37715	108	38013	111	38509	112	39908	41	41019	41
35659	64	36107	13	36242	84	37716	108	38014	111	38510	112	39909	41	41020	41
35664	68	36107	68	36243	84	37717	108	38015	111	38511	112	39910	41	41044	41
35665	64	36108	13	36246	68	37718	109	38017	112	38512	112	39912	41	41045	43
35666	68	36108	68	36247	68	37719	109	38018	112	38513	112	39913	41	41046	43
35667	64	36109	13	36248	68	37720	109	38019	112	38514	112	39914	41	41047	43
35670	58	36109	68	36249	68	37721	109	38020	112	38515	112	39915	41	41049	43
35673	67	36110	13	36250	42	37722	109	38021	112	38516	112	39916	41	41055	43
35674	67	36110	68	36255	67	37723	109	38022	112	38517	112	39917	41	41056	43
35675	55	36122	58	36256	67	37726	109	38023	112	38518	112	39920	41	41065	43
35676	55	36123	58	36259	67	37728	106	38024	112	38519	112	39921	41	41066	43
35677	67	36124	58	36260	67	37732	107	38025	112	38520	112	39922	41	41067	43
35678	67	36125	58	36261	67	37733	107	38026	112	38521	112	39923	41	41069	43
35679	68	36133	58	36262	67	37736	107	38027	112	38522	112	39924	41	41121	41
35680	68	36143	59	36283	84	37739	108	38028	112	38523	112	39925	41	41122	41
35681	64	36156	68	36284	84	37742	108	38029	112	38525	112	39926	41	41513	41
35682	64	36157	68	36285	84	37745	109	38030	112	38528	112	39927	41	41514	41
35683	64	36158	59	36286	84	37746	109	38033	112	38529	112	39931	41	41515	41
35684	64	36159	59	36287	84	37747	109	38034	112	38531	112	39932	41	41702	25
35687	57	36160	59	36288	84	37749	109	38035	112	38532	112	39933	41	41704	25



SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#
41705	25	42322	24	42524	24	42840	21	43900	21	44924	83	45206	68
41712	25	42324	24	42525	24	42841	13	43901	21	44925	83	45207	68
41714	25	42325	24	42532	24	42841	21	43902	21	45001	52	45218	54
41715	25	42326	24	42534	24	42842	13	43911	21	45002	13	45219	54
41722	26	42331	24	42541	24	42842	21	43912	21	45002	52	45220	54
41724	26	42332	24	42542	24	42843	21	43913	21	45003	13	45221	54
41725	26	42334	24	42544	24	42851	21	43920	21	45003	53	45222	54
41732	26	42335	24	42545	24	42852	21	43921	21	45004	13	45223	54
41734	26	42341	24	42551	24	42853	21	43922	21	45004	53	45400	50
41735	26	42342	24	42552	24	42860	21	43923	21	45005	52	45401	50
41742	25	42344	24	42554	24	42861	21	43930	21	45006	53	45402	50
41744	25	42345	24	42561	25	42862	21	43931	21	45007	13	45403	50
41745	25	42346	24	42562	25	42863	21	43932	21	45007	52	45404	50
41752	25	42351	24	42564	25	42871	21	43933	21	45008	52	45405	50
41754	25	42352	24	42565	25	42872	21	44000	21	45009	53	45406	50
41762	26	42354	24	42572	25	42873	21	44001	21	45010	52	46691	30
41764	26	42355	24	42574	25	42881	21	44002	21	45011	52	48010	35
41765	26	42356	24	42575	25	42882	13	44003	21	45012	52	48011	35
41772	26	42361	13	42701	23	42882	21	44010	21	45013	52	48012	35
41774	26	42361	25	42702	23	42883	21	44011	21	45014	52	48014	35
42102	23	42362	13	42704	23	42884	13	44012	21	45017	13	48015	35
42103	23	42362	25	42705	23	43081	13	44013	21	45017	53	48016	35
42104	23	42364	25	42706	23	43081	28	44021	21	45020	54	48017	35
42105	23	42365	25	42711	23	43084	13	44022	21	45021	54	48018	35
42106	23	42366	25	42712	23	43084	28	44023	21	45024	54	48020	35
42112	23	42371	25	42714	23	43091	28	44100	21	45025	54	48021	35
42114	23	42372	25	42715	23	43094	28	44101	21	45026	54	48022	35
42121	24	42374	25	42716	23	43101	13	44102	21	45027	54	48024	35
42122	24	42375	25	42721	24	43101	28	44103	21	45039	13	48025	35
42124	24	42401	22	42722	24	43104	13	44110	21	45039	64	48026	35
42125	24	42402	22	42724	24	43104	28	44111	21	45040	13	48027	35
42142	24	42404	22	42725	24	43111	28	44112	21	45040	64	48028	35
42144	24	42405	22	42731	24	43114	28	44113	21	45047	52	48030	35
42145	24	42411	22	42732	24	43181	28	44843	83	45048	67	48031	35
42146	24	42412	22	42734	24	43184	28	44844	83	45049	67	48032	35
42161	25	42414	22	42735	24	43241	28	44845	83	45066	57	48033	35
42162	25	42415	22	42742	24	43251	28	44846	83	45081	67	48034	35
42164	25	42441	22	42744	24	43840	21	44847	83	45082	67	48035	35
42165	25	42442	22	42745	24	43841	21	44848	83	45085	57	48036	35
42300	23	42444	22	42752	24	43842	21	44849	83	45086	57	48037	35
42301	23	42445	22	42754	24	43843	21	44860	83	45087	57	48038	35
42302	13	42451	22	42762	25	43851	21	44861	83	45088	57	48039	35
42302	23	42452	22	42772	25	43852	21	44862	83	45141	52	48041	35
42304	13	42454	22	42774	25	43853	21	44865	83	45142	52	48042	35
42304	23	42455	22	42801	22	43860	21	44866	83	45143	52	48044	35
42305	23	42501	23	42802	22	43861	21	44867	83	45144	52	48045	35
42306	23	42502	23	42804	22	43862	21	44871	83	45145	52	48046	35
42310	23	42504	23	42805	22	43863	21	44873	83	45154	53	48101	35
42311	23	42505	23	42811	22	43871	21	44889	83	45200	68	48102	35
42312	23	42511	23	42812	22	43872	21	44917	83	45201	68	48104	35
42314	23	42512	23	42821	22	43873	21	44919	83	45202	64	48105	35
42315	23	42514	23	42822	22	43880	21	44921	83	45203	64	48106	35
42316	23	42521	24	42831	22	43881	21	44922	83	45204	64	48111	35
42321	24	42522	24	42832	22	43882	21	44923	83	45205	64	48112	35

SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#
49028	70	49650	99	49816	78	51620	76	52309	77	52872	85	53245	32	58044	109
49029	70	49652	32	49818	78	51621	76	52310	77	52873	85	53247	32	58045	109
49031	70	49653	32	49852	78	51622	76	52311	77	52874	85	53248	32	58046	109
49032	70	49682	70	49853	78	51623	76	52312	77	52875	85	53251	32	58047	109
49033	70	49683	70	49854	78	51624	76	52313	77	52876	85	53252	32	58048	109
49035	70	49684	70	49855	78	51625	76	52314	77	52877	85	53255	13	58049	109
49038	70	49686	30	49925	78	51626	76	52315	77	52878	85	53255	53	58050	109
49039	70	49687	30	49926	78	51627	76	52316	77	52879	85	53256	53	58054	117
49040	70	49688	30	49927	78	51628	76	52317	77	52885	85	53260	53	58057	117
49042	70	49689	30	49928	78	51629	76	52370	77	52886	85	54270	13	58058	117
49043	70	49690	30	49929	78	51630	76	52636	80	52887	85	54270	66	58059	117
49406	81	49693	30	49930	78	51631	76	52637	80	52888	85	54271	13	58060	117
49407	81	49694	30	49931	78	51632	76	52638	80	52889	85	54271	66	59000	106
49413	81	49698	32	49932	78	51657	80	52639	80	52890	85	54272	66	59001	106
49423	81	49699	32	49935	78	51658	80	52640	80	52892	85	54273	66	59002	106
49424	81	49750	69	49936	78	51659	80	52642	80	52895	85	54274	13	59003	107
49426	81	49751	69	49956	78	51660	80	52647	80	52897	85	54274	66	59005	107
49510	36	49752	69	49957	78	51661	80	52648	80	52899	85	54275	13	59006	107
49511	36	49753	69	49958	78	51662	80	52650	80	52901	85	54275	66	59007	107
49519	36	49761	78	49959	78	51663	80	52651	80	52902	85	54276	66	59009	107
49521	36	49762	78	49960	78	52274	77	52653	80	53001	23	54277	66	59010	107
49527	36	49763	78	49961	78	52275	77	52680	80	53002	23	54280	51	59011	107
49532	81	49764	78	49962	78	52276	77	52681	80	53004	23	54281	13	59012	108
49533	81	49765	78	49985	78	52277	77	52682	80	53006	23	54281	51	59013	108
49534	81	49766	78	49986	78	52278	77	52683	80	53011	23	54282	13	59014	108
49536	81	49767	78	49987	78	52279	77	52684	80	53012	23	54282	51	59017	108
49543	69	49776	78	49988	78	52280	77	52686	80	53015	23	54283	13	59018	108
49544	69	49777	78	49989	78	52281	77	52714	79	53021	24	54283	51	59020	108
49545	69	49778	78	49990	78	52282	77	52716	79	53022	24	54284	51	59022	109
49547	69	49779	78	49991	78	52283	77	52717	79	53024	24	54285	51	59023	109
49548	69	49780	78	49992	78	52284	77	52718	79	53025	24	54286	51	59024	109
49549	29	49781	78	49995	78	52285	77	52720	79	53032	24	54287	13	59025	106
49558	40	49782	78	51000	112	52286	77	52746	79	53034	24	54287	51	59033	107
49600	29	49790	78	51001	112	52287	77	52747	79	53035	24	54288	51	59045	109
49606	33	49791	78	51002	112	52288	77	52748	79	53041	24	58002	106	59059	109
49607	33	49792	78	51003	112	52289	77	52749	79	53042	24	58004	106	59060	40
49608	33	49793	78	51004	112	52290	77	52750	79	53044	24	58006	106	59061	40
49609	33	49794	78	51005	112	52291	77	52762	79	53045	24	58011	106	59062	40
49610	33	49795	78	51006	112	52292	77	52773	79	53051	24	58012	106	59063	40
49611	33	49796	78	51007	112	52293	77	52774	79	53052	24	58017	107	59081	106
49618	33	49797	78	51008	112	52294	77	52775	79	53054	24	58019	107	59084	107
49626	33	49798	78	51600	76	52295	77	52819	79	53056	24	58021	107	59085	107
49635	99	49800	78	51601	76	52296	77	52820	79	53061	25	58023	107	59100	68
49636	99	49801	78	51602	76	52297	77	52822	79	53062	25	58025	107	59101	68
49638	99	49805	78	51603	76	52298	77	52823	79	53064	25	58026	107	59200	30
49639	99	49806	78	51604	76	52299	77	52861	85	53065	25	58028	107	59201	30
49640	99	49807	78	51605	76	52300	77	52863	85	53072	25	58031	108	59202	30
49641	99	49808	78	51606	76	52301	77	52864	85	53074	25	58033	108	59203	30
49642	99	49809	78	51607	76	52302	77	52865	85	53075	25	58034	108	59204	30
49643	99	49810	78	51608	76	52303	77	52866	85	53114	23	58037	108	59205	30
49644	99	49811	78	51609	76	52304	77	52868	85	53241	32	58038	108	59206	30
49645	99	49812	78	51610	76	52305	77	52869	85	53242	32	58041	109	59207	30
49646	99	49813	78	51611	76	52306	77	52870	85	53243	32	58042	109	59208	30
49647	99	49815	78	51612	76	52308	77	52871	85	53244	32	58043	109	59209	30



SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#	SKU	PG#
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59211	30	59572	39	59741	37	59921	38	60171	99	60593	96	61637	86	70088	42
59221	87	59573	39	59742	37	59922	38	60172	96	60650	98	63062	82	70105	57
59223	87	59574	39	59743	37	59923	38	60180	97	60650	99	63063	82	70108	57
59224	87	59587	38	59744	37	59924	38	60182	97	60651	98	63064	82	70109	57
59226	87	59588	38	59745	37	59925	38	60190	97	61033	86	63065	82	70114	53
59227	87	59589	38	59746	37	59926	38	60195	97	61034	86	63066	82	70115	13
59228	87	59590	38	59747	37	59927	38	60201	98	61036	86	63067	82	70115	53
59229	87	59591	38	59748	37	59951	38	60202	98	61037	86	63068	82	70120	29
59230	87	59592	38	59749	37	59952	38	60211	98	61039	86	63069	82	70121	29
59231	87	59593	38	59750	37	59953	38	60226	98	61041	86	63070	82	70122	29
59232	87	59594	38	59751	37	59954	38	60228	98	61042	86	63071	82	70124	29
59233	87	59595	38	59752	37	59955	38	60229	98	61044	86	63072	82	70125	29
59234	87	59596	38	59753	37	59956	38	60230	98	61045	86	63073	82	70130	43
59235	87	59597	38	59801	34	59957	38	60502	92	61047	86	63074	82	70131	43
59236	87	59598	38	59802	34	60001	92	60502	99	61057	86	63075	82	70132	43
59237	87	59599	38	59803	34	60006	92	60503	92	61060	86	63076	82	70133	43
59241	87	59600	38	59804	34	60011	92	60505	92	61061	86	63077	82	70134	43
59271	87	59608	37	59805	34	60011	99	60514	93	61063	86	63078	82	70135	43
59272	87	59609	37	59806	34	60012	92	60515	93	61118	86	63079	82	70136	43
59283	87	59610	37	59807	34	60013	92	60515	99	61120	86	63080	82	70137	43
59284	87	59611	37	59808	34	60014	92	60520	93	61121	86	63081	82	70143	43
59285	87	59612	37	59809	34	60020	92	60520	99	61123	86	63082	82	70144	43
59503	37	59614	37	59810	34	60025	92	60521	93	61249	86	63083	82	70145	43
59504	37	59615	37	59811	34	60035	92	60521	99	61250	86	63084	82	70185	29
59505	37	59634	39	59812	34	60037	92	60522	93	61252	86	63085	82	70187	29
59506	37	59635	39	59814	34	60052	92	60523	93	61253	86	63086	82	70189	29
59507	37	59636	39	59819	34	60060	93	60523	99	61255	86	63087	82	70401	71
59508	37	59637	39	59851	34	60065	93	60524	93	61291	86	63088	82	70407	71
59509	37	59638	39	59852	34	60070	93	60535	94	61292	86	63089	82	70408	71
59510	37	59639	39	59853	34	60076	93	60535	99	61293	86	63090	82	70430	71
59511	37	59640	39	59855	34	60090	93	60536	94	61294	86	63091	82	70432	71
59524	39	59674	39	59856	34	60091	93	60537	94	61295	86	63092	82	71151	84
59525	39	59676	39	59857	34	60100	93	60537	99	61297	86	63095	82	72050	31
59526	39	59677	39	59859	34	60104	93	60538	94	61525	86	63098	82	72051	31
59527	39	59678	39	59860	34	60105	93	60539	94	61526	86	70006	80	72053	31
59528	39	59697	38	59861	34	60106	93	60539	99	61527	86	70007	80	72055	31
59529	39	59698	38	59862	34	60110	94	60540	94	61528	86	70008	80	72070	31
59530	39	59700	38	59863	34	60112	94	60541	94	61529	86	70010	80	72072	31
59531	39	59701	38	59864	34	60120	94	60542	94	61531	86	70011	80	72080	31
59536	39	59702	38	59865	34	60125	94	60560	94	61532	86	70012	80	72082	31
59537	39	59718	39	59866	34	60130	95	60561	94	61534	86	70013	80	72084	31
59538	39	59719	39	59867	34	60131	95	60562	94	61535	86	70014	80	79200	34
59539	39	59730	40	59868	34	60131	99	60563	94	61543	86	70022	80	79201	34
59540	39	59731	40	59873	34	60132	95	60564	94	61546	86	70023	80	79202	34
59541	39	59732	28	59895	34	60133	99	60575	95	61547	86	70024	80	79203	34
59542	39	59732	40	59910	38	60140	95	60576	95	61579	86	70025	80		
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59565	39	59734	28	59912	38	60150	97	60578	95	61581	86	70030	81		
59566	39	59734	40	59913	38	60160	96	60579	95	61582	86	70031	81		
59567	39	59735	40	59914	38	60161	96	60580	95	61583	86	70032	81		
59568	39	59736	40	59915	38	60162	96	60580	99	61633	86	70033	81		
59569	39	59738	40	59916	38	60170	96	60590	96	61634	86	70034	81		
59570	39	59739	37	59917	38	60170	99	60591	96	61635	86	70086	42		



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