



# TOP SELLING METAL FABRICATION & FINISHING ABRASIVES



**NEW!**

## Corner Flap Discs Z3® Zirconia & C3 Ceramic

- Special Design angle for Filet Welding
- Faster option over grinding wheels
- Z3® Premium Zirconia Grain with Poly-Cotton heat treated backing
- C3 Ceramic for aggressive Grinding Action
- Self Sharpening with cool grind aid
- Contaminant-Free, Stainless Steel

CGW 42910	4-1/2 x 7/8 C3 Ceramic	36 Grit	<b>\$11.22</b>
CGW 42911	4-1/2 x 7/8 C3 Ceramic	40 Grit	<b>\$10.56</b>
CGW 42912	4-1/2 x 7/8 C3 Ceramic	60 Grit	<b>\$8.94</b>
CGW 42913	4-1/2 x 7/8 C3 Ceramic	80 Grit	<b>\$8.76</b>
CGW 42020	4-1/2 x 7/8 Z3® Zirconia	36 Grit	<b>\$8.18</b>
CGW 42021	4-1/2 x 7/8 Z3® Zirconia	40 Grit	<b>\$8.00</b>
CGW 42022	4-1/2 x 7/8 Z3® Zirconia	60 Grit	<b>\$7.32</b>
CGW 42023	4-1/2 x 7/8 Z3® Zirconia	80 Grit	<b>\$7.14</b>

## Z3® Double/XXL USA Made Flap Discs

CGW 36316	4-1/2 x 7/8 T27 Z3 XXL	40 Grit	<b>\$5.72</b>
CGW 36317	4-1/2 x 7/8 T27 Z3 XXL	60 Grit	<b>\$5.72</b>
CGW 36318	4-1/2 x 7/8 T27 Z3 XXL	80 Grit	<b>\$5.72</b>



CGW 62700

The most popular double cut carbide burrs for faster cutting action minimal loading and improved operator control

**8 Piece Carbide Burr Set**

**\$189<sup>95</sup>**

Other Shapes and Sizes Available!



Prices subject to change without notice.  
Not all items stocked at all locations.

**PURITY CYLINDER GASES, INC.**



## Corner Mini Flap Discs - C3 Ceramic

CGW 30072	2" C3 Ceramic	40 Grit	<b>\$4.14</b>
CGW 30073	2" C3 Ceramic	60 Grit	<b>\$4.14</b>
CGW 30074	2" C3 Ceramic	80 Grit	<b>\$4.14</b>
CGW 30077	3" C3 Ceramic	40 Grit	<b>\$5.38</b>
CGW 30078	3" C3 Ceramic	60 Grit	<b>\$5.38</b>
CGW 30079	3" C3 Ceramic	80 Grit	<b>\$5.38</b>

- Mini flap discs are designed to prevent walking, allow access to tight areas & reduce heat build-up
- Specially designed angle for Fillet Welding app.
- C3 Ceramic for aggressive grinding action, self sharpening with grind aid
- Contaminant-Free



**FLAP DISCS**

## Compact C3 and Z3<sup>®</sup> 4 1/2 x 5/8-11 Trimmable USA Made Flap Discs

- 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<sup>®</sup> (Zirconia) for fast, long-lasting grinding. 20% more material than regular Z3<sup>®</sup> flap discs. Ideal for heavy-duty applications.

CGW 30142	Z3, 4-1/2x5/8-11	40 grit	<b>\$5.96</b>
CGW 30144	Z3, 4-1/2x5/8-11	60 grit	<b>\$5.72</b>
CGW 30145	Z3, 4-1/2x5/8-11	80 grit	<b>\$5.62</b>
CGW 30202	C3, 4-1/2x5/8-11	40 grit	<b>\$8.12</b>
CGW 30204	C3, 4-1/2x5/8-11	60 grit	<b>\$7.20</b>
CGW 30205	C3, 4-1/2x5/8-11	80 grit	<b>\$6.92</b>



## Compact XL C3 Ceramic USA Made Flap Discs

- Self-sharpening ceramic grain and cool grinding aid for fast, aggressive cutting action on hard-to-grind materials.
- Ceramic flap discs are designed to last longer than zirconia flap discs.
- Polyester backing material for longer working life.
- Ceramic grain provides Contaminant-Free results; stainless steel won't rust.
- Hybrid Compact design (4-1/2" and 5") - Flaps are compressed and compacted at a 4 degree for edge strength.
- For steel and stainless and other heat sensitive materials.

CGW 42442	C3 4-1/2x7/8	40 grit	<b>\$7.74</b>
CGW 42444	C3 4-1/2x7/8	60 grit	<b>\$6.56</b>
CGW 42445	C3 4-1/2x7/8	80 grit	<b>\$6.56</b>



# #1 Selling Flap Discs

## Premium Z3<sup>®</sup> USA Made Flap Discs

- Fastest grain removal in the marketplace for carbon based steels (26% more than the competition) and second best after CGW Z-Stainless discs on stainless steels, while offering excellent life.
- Recommended for aggressive use and heavy duty applications.
- Active grinding agent provides cool cutting with light pressure.
- Special optimized resin bond offers maximum cutting capacity, strong edge stability and long life.
- Premium Zirconia Alumina grain with a poly/cotton heat treated backing. The poly/cotton combination provides low stretch and strength for the high Zirconia concentration that Z3 contains.



**#1 Performer on Carbon**

CGW 42302	Z3, T-27 Regular	4-1/2x7/8	40 Grit	\$3.98
CGW 42304	Z3, T-27 Regular	4-1/2x7/8	60 Grit	\$3.98
CGW 42305	Z3, T-27 Regular	4-1/2x7/8	80 Grit	\$3.98
CGW 42306	Z3, T-27 Regular	4-1/2x7/8	120 Grit	\$3.98

**#2 Performer on Stainless**

CGW 53002	Z3, T-27 Regular	6x7/8	40 Grit	\$5.82
CGW 53004	Z3, T-27 Regular	6x7/8	60 Grit	\$5.82
CGW 53005	Z3, T-27 Regular	6x7/8	80 Grit	\$5.82
CGW 53006	Z3, T-27 Regular	6x7/8	120 Grit	\$5.82
CGW 42362	Z3, T-29 XL	4-1/2x7/8	40 Grit	\$5.00
CGW 42364	Z3, T-29 XL	4-1/2x7/8	60 Grit	\$5.00
CGW 42365	Z3, T-29 XL	4-1/2x7/8	80 Grit	\$5.00
CGW 42366	Z3, T-29 XL	4-1/2x7/8	120 Grit	\$5.00

**FLAP DISCS / CUT OFF WHEELS**

## Ceramic Die Grinder Cut-Off Wheels, Type 1

CGW 36181	3 x 1/32 x 3/8	C60-R-BF	\$2.20
CGW 36182	3 x 1/16 x 3/8	C36-R-BF	\$2.26
CGW 36183	4 x 1/32 x 3/8	C60-R-BF	\$2.54
CGW 36184	4 x 1/16 x 3/8	C36-R-BF	\$2.76



4,400 RPM

## Double Reinforced Chop Saw Cut Off Wheels

CGW 35576	14 x 3/32 x 1	For Metal/Steel	\$6.62
CGW 36234	14 x 7/64 x 1	For Metal/Steel	\$5.22
CGW 36123	14 x 3/32 x 1	For Stainless	\$9.24
CGW 36125*	14 x 3/32 x 1	Heavy Duty	\$8.66

\*CGW's Best Performing chop saw cut-off wheel / Cuts angle iron / heavy bars

**Call Purity Cylinder Gases for more information 1-888-532-2375**

Locally Owned and Operated Since 1938





## Quickie Cut™ Cut-Off Wheels

- ZA: Zirconia and Aluminum Oxide mixture. General purpose wheel. Zirconia grain allows for faster cutting and longer life. Excellent on Steel/Stainless.
- ZA60-TB-Flex: Flexible wheel design for fast cutting and easy work penetration.
- ZA-36-T-Rigid: Thicker (.045), rigid wheel design for fast cutting and longer life.



ZIRCONIA AO  
ALUMINUM OXIDE



## Quickie Cut™ Extreme 2 Reinforced Cut-Off Wheels—Type 1 & Type 27



- ZA60-T: Higher percentage of special Premium treated Alox grain and premium fiberglass net for Maximum safety.
- Fast cutting, Flexible and extended long life (Highest G-Ratio).

40% More Cuts!



### Quickie Cut™ Cut-Off Wheels

CGW 45010	4-1/2 x .035 x 7/8	ZA60-TB-FLEX	T-1	<b>\$1.66</b>
CGW 35514	4-1/2 x .045 x 7/8	ZA36-T-RIGID	T-1	<b>\$1.68</b>
CGW 45002	4-1/2 x .045 x 7/8	ZA60-S	T-27 Thin Reinforced	<b>\$1.72</b>
CGW 45012	6 x .040 x 7/8	ZA60-TB-FLEX	T-1	<b>\$2.14</b>
CGW 35517	6 x .045 x 7/8	ZA36-T-RIGID	T-1	<b>\$2.12</b>
CGW 45007	6 x .045 x 7/8	ZA60-S	T-27 Thin Reinforced	<b>\$2.34</b>

### Quickie Cut™ Extreme 2 Reinforced Cut-Off Wheels

CGW 45284	4-1/2" x .040 x 7/8	ZA60	T-1	<b>\$2.06</b>
CGW 45300	4-1/2 x .045 x 7/8	ZA60	T-27	<b>\$2.22</b>
CGW 45286	6 x .045 x 7/8	ZA60	T-1	<b>\$2.52</b>
CGW 45304	6 x .045 x 7/8	ZA60	T-27	<b>\$3.10</b>



## 3-in-1 Wheels .094 Cut/Grind/Finish - SPEC. A36S T-27

- 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.
- For stainless steel and steel.

CGW 45218	4-1/2x.094x7/8	A36S	T-27	<b>\$1.98</b>
CGW 45222	6x.094x7/8	A36S	T-27	<b>\$3.52</b>

ALUMINUM OXIDE



## E3 GREEN Grinding Wheel T-27

CGW's New Unique **E3** Wheel is designed with Zirconia grain along with high-performance grains to provide high metal removal along with a smooth and easy operator experience.

- **E3** will provide twice the removal rate compared to Aluminum Oxide and WA wheels with the same life span.
- **E3** – 40% higher removal rate compared to ZA, but the life span is shorter. \*Best when used with light pressure or low force.
- **E3** – grinds smooth, reduces operator fatigue and provides superior finish.



Type 27



### Application:

- Stainless steel light grinding.
- Excellent for blending and contouring welds (hand rails and shaped work pieces).
- Excellent on light welds like tig welding.
- Welding/metal fabrication, power plant maintenance and repair, shipbuilding, tank fabrication and foundries.
- **Not Recommended for Aluminum or heavy weld removal.**

CGW 54200	4 1/2 x 1/4 x 7/8	ZA36 QBF	<b>\$6.00</b>
CGW 54201	4 1/2 x 1/4 x 5/8-11	ZA36 QBF	<b>\$7.20</b>
CGW 54204	7 x 1/4 x 7/8	ZA36 QBF	<b>\$11.90</b>
CGW 54205	7 x 1/4 x 5/8-11	ZA36 QBF	<b>\$14.70</b>

## ULTRA 1/4" GRINDING WHEELS

A24R: Aluminum Oxide Grain

- 1 selling 1/4" Depressed Center Grinding Wheel.
- R-grade bond for longer life and



## FAST CUT 1/4" GRINDING WHEELS

A24N Fast Cut: Aluminum Oxide Grain

- Soft N-grade bond for fast stock removal.
- Excellent ratio of stock removal/wheel loss.
- Economical choice for metal & low-grade stainless.



ULTRA 1/4", A24R, T-27, Ultra Metal

ALUMINUM OXIDE

Fast Cut 1/4", A24N, T-27, Metal

CGW 35620	4-1/2 x 1/4 x 7/8	<b>\$2.42</b>		CGW 35622	4-1/2 x 1/4 x 7/8	<b>\$1.64</b>
CGW 35632	6 x 1/4 x 7/8	<b>\$4.92</b>		CGW 36231	6 x 1/4 x 7/8	<b>\$2.66</b>
CGW 35640	7 x 1/4 x 7/8	<b>\$4.08</b>		CGW 35642	7 x 1/4 x 5/8-11	<b>\$3.28</b>

## 1/8" Pipeline Wheels A24T T-27 Metal Depressed Center Wheel

- Premium wheels made from superior raw materials and advanced technologies for longer working life.
- Ultra Wheels give consistent cutting action for quicker and easier working.
- A24T: Aluminum oxide grain with T-grade bond for fast cutting of ferrous metals.

CGW 45200	5 x 1/8 x 7/8	<b>\$2.78</b>
CGW 45201	5 x 1/8 x 5/8-11	<b>\$4.58</b>
CGW 45206	6 x 1/8 x 7/8	<b>\$4.34</b>
CGW 45207	6 x 1/8 x 5/8-11	<b>\$6.14</b>
CGW 35679	7 x 1/8 x 7/8	<b>\$4.48</b>
CGW 35680	7 x 1/8 x 5/8-11	<b>\$6.68</b>

**Improved!  
Now 25%  
Thicker!**

Type 27



ZIRCONIA AO

ALUMINUM OXIDE



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GRINDING WHEELS





**ALUMINUM OXIDE**



**Aluminum Oxide Resin Fibre Discs**

- A Premium Quality AO Disc Designed for long life, high stock removal and cool cutting action on metal and welds.
- Sharp, heat-treated and blue fired AO grain electrostatically coated to a heavy duty vulcanized fibre backing with heat resistant phenolic resins. Fast, cool cutting performance.

**4-1/2x7/8**

CGW 48011	24 Grit	<b>\$0.62</b>
CGW 48012	36 Grit	<b>\$0.58</b>
CGW 48015	60 Grit	<b>\$0.52</b>
CGW 48016	80 Grit	<b>\$0.50</b>
CGW 48018	120 Grit	<b>\$0.50</b>

**5x7/8**

CGW 48021	24 Grit	<b>\$0.66</b>
CGW 48022	36 Grit	<b>\$0.64</b>
CGW 48025	60 Grit	<b>\$0.56</b>
CGW 48026	80 Grit	<b>\$0.54</b>
CGW 48028	120 Grit	<b>\$0.54</b>

**Resin Fibre Discs**

Rubber Back-up Pads Required



**ZIRCONIA AO**



**Zirconia High Performance**

- High concentration of Zirconia and heat-treated Aluminum Oxide grain provides 2X the cutting action of premium AO discs.
- Extremely heat resistant.
- The special fracturing characteristics of the Zirconia grain provide a consistent action throughout the discs life.
- High performance on blending welds, stainless steel, Inconel, titanium tool steel.

**4-1/2x7/8**

CGW 48101	24 Grit	<b>\$0.88</b>
CGW 48102	36 Grit	<b>\$0.82</b>
CGW 48105	60 Grit	<b>\$0.72</b>
CGW 48106	80 Grit	<b>\$0.70</b>

**5x7/8**

CGW 48111	24 Grit	<b>\$0.94</b>
CGW 48112	36 Grit	<b>\$0.86</b>
CGW 48115	60 Grit	<b>\$0.76</b>
CGW 48116	80 Grit	<b>\$0.74</b>



**CERAMIC**

**Premium Ceramic 2**

- Improved grain technology allows for 30%-40% higher stock removal rates and longer product life, when compared to traditional ceramic grain
- Advanced grinding aid for cool cutting technology that reduced heat and increases performance.
- Suitable for high pressure grinding applications.

**4-1/2 x 7/8**

CGW 59801	24 Grit	<b>\$2.32</b>
CGW 59802	36 Grit	<b>\$2.06</b>
CGW 59803	60 Grit	<b>\$1.38</b>
CGW 59804	80 Grit	<b>\$1.26</b>

**5 x 7/8**

CGW 59805	24 Grit	<b>\$2.58</b>
CGW 59806	36 Grit	<b>\$2.32</b>
CGW 59807	60 Grit	<b>\$1.56</b>
CGW 59808	80 Grit	<b>\$1.38</b>

**Aluminum Oxide-Firm Flap Wheels:  
1/4" Shank**

- 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 all ferrous and non-ferrous materials, stainless steel, iron, brass, aluminum, plastic, fiberglass, wood and glass.
- Excellent for working in small, difficult to reach places.
- CGW flap wheels have more flaps compared to leading flap wheel manufacturers.

**1x1x1/4, 30,000 RPM**

CGW 39908	60 Grit	<b>\$1.84</b>	each:
CGW 39909	80 Grit	<b>\$1.84</b>	
CGW 39910	120 Grit	<b>\$1.84</b>	

**2x1x1/4, 25,000 RPM**

CGW 39932	60 Grit	<b>\$2.66</b>
CGW 39933	80 Grit	<b>\$2.66</b>
CGW 39934	120 Grit	<b>\$2.70</b>

**3x1x1/4, 20,000 RPM**

CGW 39948	60 Grit	<b>\$4.14</b>
CGW 39949	80 Grit	<b>\$4.14</b>
CGW 39950	120 Grit	<b>\$4.36</b>



**ALUMINUM OXIDE**



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## #1 Selling Pasco Disc!

### Gold "C" Weight Paper Disc on Roll

- A strong .0005 Mylar film for superior edge tear resistance.
- The PASCO Advantage outperforms other "C" weight gold discs.
- Stearated paper with heat treated aluminum oxide grain and a full phenolic bond system provides uniform scratch pattern.

#### 5" DISC ON ROLL

CGW 49761	60 Grit	<b>\$0.46</b>
CGW 49762	80 Grit	<b>\$0.36</b>
CGW 49763	100 Grit	<b>\$0.34</b>
CGW 49764	120 Grit	<b>\$0.34</b>
CGW 49765	150 Grit	<b>\$0.34</b>
CGW 49766	180 Grit	<b>\$0.34</b>
CGW 49767	220 Grit	<b>\$0.34</b>

#### 6" DISC ON ROLL

CGW 49776	60 Grit	<b>\$0.64</b>
CGW 49777	80 Grit	<b>\$0.50</b>
CGW 49778	100 Grit	<b>\$0.48</b>
CGW 49779	120 Grit	<b>\$0.48</b>
CGW 49780	150 Grit	<b>\$0.48</b>
CGW 49781	180 Grit	<b>\$0.48</b>
CGW 49782	220 Grit	<b>\$0.48</b>



**PAPER DISC ON ROLL**

### C3 Ceramic Quick Change Discs Roll-On

- 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.
- Uses USA developed, automated spin-weld attachment process for fast and secure fastening.

#### 2" Quick Change Discs

CGW 59910	24 Grit	<b>\$0.96</b>
CGW 59911	36 Grit	<b>\$0.90</b>
CGW 59912	40 Grit	<b>\$0.82</b>
CGW 59913	50 Grit	<b>\$0.78</b>
CGW 59914	60 Grit	<b>\$0.70</b>
CGW 59915	80 Grit	<b>\$0.66</b>
CGW 59916	100 Grit	<b>\$0.66</b>
CGW 59917	120 Grit	<b>\$0.66</b>

#### 3" Quick Change Discs

CGW 59920	24 Grit	<b>\$1.82</b>
CGW 59921	36 Grit	<b>\$1.62</b>
CGW 59922	40 Grit	<b>\$1.50</b>
CGW 59923	50 Grit	<b>\$1.40</b>
CGW 59924	60 Grit	<b>\$1.24</b>
CGW 59925	80 Grit	<b>\$1.16</b>
CGW 59926	100 Grit	<b>\$1.12</b>
CGW 59927	120 Grit	<b>\$1.12</b>

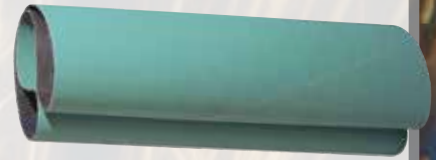






Most standard sizes available – Call for other sizes

## STANDARD BELTS



### A3 File & Portable Belts ALUMINUM OXIDE

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

### R203 Zirconia AO w/Grinding Aid

- Very cool cutting and long belt life
- Two coatings of grinding aid
- Can be used on stainless steel, alloy and aluminum.
- For belts up to 53" wide

ZIRCONIA AO

#### 1/2 x 24 Aluminum File Belts

CGW 61041 36 Grit **\$0.92**

CGW 61044 60 Grit **\$0.84**

CGW 61045 80 Grit **\$0.88**

CGW 61047 120 Grit **\$0.80**

#### 1/2 x 18 Aluminum File Belts

CGW 61033 36 Grit **\$0.86**

CGW 61036 60 Grit **\$0.80**

CGW 61037 80 Grit **\$0.80**

CGW 61039 120 Grit **\$0.78**

#### Zirconia AO Plus w/Grinding Aid

##### 1/2 x 24 R203

CGW 53417 40 Grit **\$1.38**

CGW 53418 60 Grit **\$1.30**

CGW 53419 80 Grit **\$1.26**

##### 1/2 x 18 R203

CGW 53414 40 Grit **\$1.20**

CGW 53415 60 Grit **\$1.12**

CGW 53416 80 Grit **\$1.10**

### X-Flex Surface Conditioning Belts

- For cleaning, finishing, blending and deburring applications.
- Belts provide a linear grain scratch pattern for blending.
- Blends and finishes without undercutting or gouging work pieces.



#### 1/2 x 18 Xflex Belts

CGW 59229 Coarse **\$2.88**

CGW 59230 Medium **\$2.78**

#### 1/2 x 24 Xflex Belts

CGW 59232 Coarse **\$3.40**

CGW 59233 Medium **\$3.28**

## CUSTOM BELTS

Up to 128" Wide by Any Length – Call for Quote

**Backings:** J Weight Cloth, X Weight Cloth, X & Y Weight Polyester, and Paper Backings

**Bond Systems:** Glue or Resin

**Splices:** Butt Splice, Straight Cut, Pasco Lock Splice, or Tape-On-Top Splice

**Abrasive Grain Coverage:** Open Coat or Closed Coat

**Uses/Grits:** For Metal or Wood from 24 - 600 Grit

**Aluminum Oxide, Zirconia, Zirconia Aluminum Oxide, Ceramic**



Prices good through 12/31/2019 or while supplies last!

#### Grand Rapids

(616) 532-2375  
1-888-532-2375

#### Angola, IN

(260) 665-7241

#### Battle Creek, MI

(269) 660-1907

#### Cadillac, MI

(231) 779-2468

#### Elkhart, IN

(574) 389-8760

#### Fort Wayne, IN

(260) 497-7565

#### Gaylord, MI

(989) 731-1111

#### Holland, MI

(616) 848-7650

#### Kalamazoo, MI

(269) 344-0518

#### Lansing, MI

(517) 321-9555

#### Mt. Pleasant, MI

(989) 775-0898

#### Muskegon, MI

(231) 773-2510

#### Saginaw, MI

(989) 755-4344

#### Traverse City, MI

(231) 922-0851

#### Warsaw, IN

(574) 267-6066



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