

Specialty Abrasives

for use on

STAINLESS STEEL

ALUMINUM

EXOTIC METALS

MILD STEEL



2011-2012
Product Catalog

Grind

Debur

Blend

Finish

We Promise...

RELIABILITY

QUALITY

SERVICE

PERFORMANCE

ON-TIME DELIVERY

DEDICATION

CUSTOMIZING

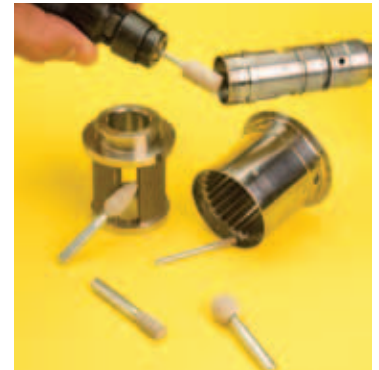
SATISFACTION

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**Make grinding stainless
 Painless**

Employee Owned...Customer Driven

As of 2008, Rex-Cut became 100% owned by its employees. Those loyal employees who have poured themselves into Rex-Cut over the years, now have reason to be even more invested in the product and service that leaves our premises, as well as our future success.

We believe that working together with our new "employee-owners" will help us remain competitive and focused in future years. Our products, our high level customer and technical service, and our previous management structure all remain intact. We are confident we will get even better at what we do, so it's a win/win/win for all—previous owners, all new employee owners, and our fine customers and business partners.

We are more excited than ever about what the future holds for our company. To all our previous and current customers we say "Thank you" for your business—for allowing us to service your specialty abrasive needs. For all new customers we say "welcome aboard", and we hope you will allow us to prove to you why Rex-Cut is the place to turn to cost-effectively satisfy your deburring and metal finishing needs. We value the confidence and trust of our customers worldwide.

The Executive Management Team.



Employee Owned  *Customer Driven*

Dedicated to quality products

Rex-Cut Products, Inc. is the oldest and primary manufacturer of **cotton fiber abrasive** grinding and finishing products in the world. Since the late 1920s, we have been manufacturing a non-woven cotton fabric, uniquely impregnated with abrasive grit. This “impregnating” process, originally invented by our founder Edward Hurst, has been refined over time and continues to be the foundation of our specialized cotton fiber abrasive product line.

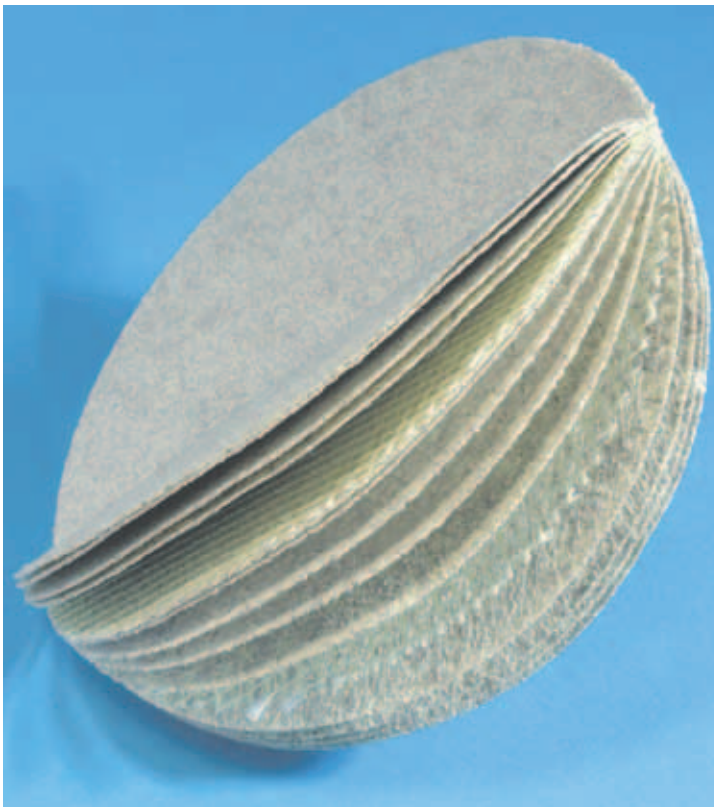
Rex-Cut has a proven record of being able to explore, develop and consistently manufacture products that meet and exceed customer expectations. Our product quality, performance and safety is exceptional.

In addition to our cotton fiber abrasive product line, we continue to expand our offering with only the highest quality resinoid, coated, and non-woven products.

Refer to American National Standards Institute, ANSI B7.1-2000, Safety Requirements for the Use, Care and Protection of Abrasive Wheels or contact us directly with any questions you might have regarding usage of any of our abrasive products.



A Time Tested Technology...



Rex-Cut cotton fiber abrasives are manufactured using a unique impregnation process that provides superior bonding and consistency in its product line. Each step in manufacturing an individual product is closely controlled, from the staple length of the raw cotton to the final marking of the RPM on a finished abrasive wheel.

For over 80 years our unique non-woven cotton fiber abrasive products have been successfully servicing the international market. In terms of performance, consistency, and quality, our specialized abrasive impregnating process has repeatedly demonstrated to our customers a technology that is unmatched in the world today.

Cotton Fiber Abrasive Products



Rex-Cut cotton fiber products are bonded laminates of non-woven, abrasive impregnated cotton fabric. Varying hardness of bond is available to produce products suitable for application on stainless steel, aluminum, and exotics.

Cotton reinforced abrasive products are used throughout the world for a variety of applications requiring medium to light duty metal removal, deburring, and finishing.

SPECIAL FEATURES AND ADVANTAGES

• Fast, One Step Finishing:

The composition of Rex-Cut's abrasive products enables grinding and finishing in one operation. They have consistently reduced finishing steps from two or three to one.

• Versatility:

The wide range of applications on which cotton reinforced products are used, make them one of the most versatile of all abrasive tools. From the aggressive stock removal of TX (resin) bonded products to the finishing performance of FX (latex) bonded products.

• Cool Cutting Action:

Our unique construction continually exposes new abrasive grain during the grinding process resulting in cooler operation, and no back transfer or smearing.

• Smooth, Quiet Action:

With its soft cushion-like grinding action, the composition of cotton reinforced products makes them resilient, smooth handling and quiet. Any tendency toward vibration and chatter is reduced.

• Non-Loading:

Unlike most bonded or coated abrasives, cotton reinforced wheels do not load up when working on softer metals or alloys, such as aluminum. The use of Rex-Cut products eliminates the need for messy wax generally used to prevent bonded or coated products from loading.

• Long Life:

Our products not only offer long life on the original job, but they can be dressed down and utilized on other applications.

APPLICATIONS

Industries using cotton reinforced abrasive products include aircraft, aerospace, ship building, jewelry, tool and die, automotive, food processing, dairy, cutlery, welding trade, general fabrication, and others. Rex-Cut's complete line of cotton reinforced **Type 1** straight sided abrasive wheels, **Type 27** depressed center wheels, **CUT-N-FINISH™** flexible discs, **Mounted Wheels and Points**, **Quick Change Discs**, and **Sticks** meet a wide range of grinding, blending, and finishing needs.

Cotton Fiber Abrasive Products

Standard Marking System and Specifications

A	36	G	FX
Type Of Grain Used	Size Of Grain		Hardness Of Bond
A = Aluminum Oxide	Coarse	Medium	Fine
C = Silicon Carbide	16	54	120
	24	80	180
	36		320
			Very Fine
		G - Soft	FX - Latex bond (white color)
		J - Med	Available in G hardness only.
		M - Hard	TX - Resin bond (brown color)
		N - Very Hard	Available in J, M and N hardness.

FX BOND – unique flexible bond that blends and finishes in one single operation

- **G** hardness: soft bond for light deburring, blending, and finishing

TX BOND – strong resin bond that combines resiliency and cutting ability with long life

- **J** hardness: medium bond for light deburring, longer life
- **M** hardness: hard bond for light to medium stock removal
- **N** hardness: very hard bond for medium stock removal and longer life

Surface Finish Comparisons

Measured in micro-inches for a value of RA (roughness average)

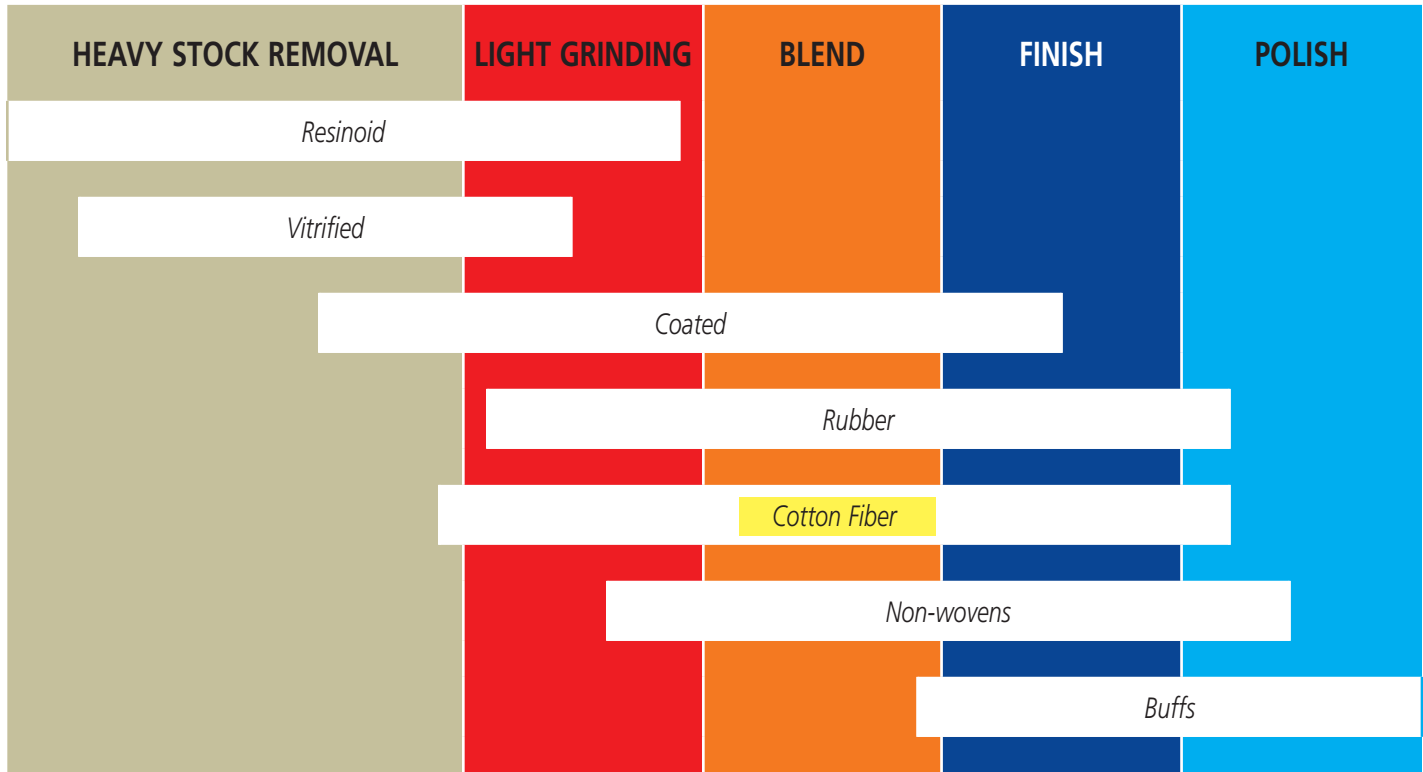
Grit Size	RA*	Rex-Cut Cotton Fiber RA**	Sigma RA**
24	210 – 240	110 – 130	
36	185 – 205	38 – 80	100
54 (60)	140 – 180	30 – 60	80
80	65 – 175	20 – 50	
120	45 – 60	15 – 30	
180	25 – 40	10 – 20	
240	8 – 20	N/A	
320	6 – 15	5 – 10	

*Industry data for conventional abrasives on stainless steel

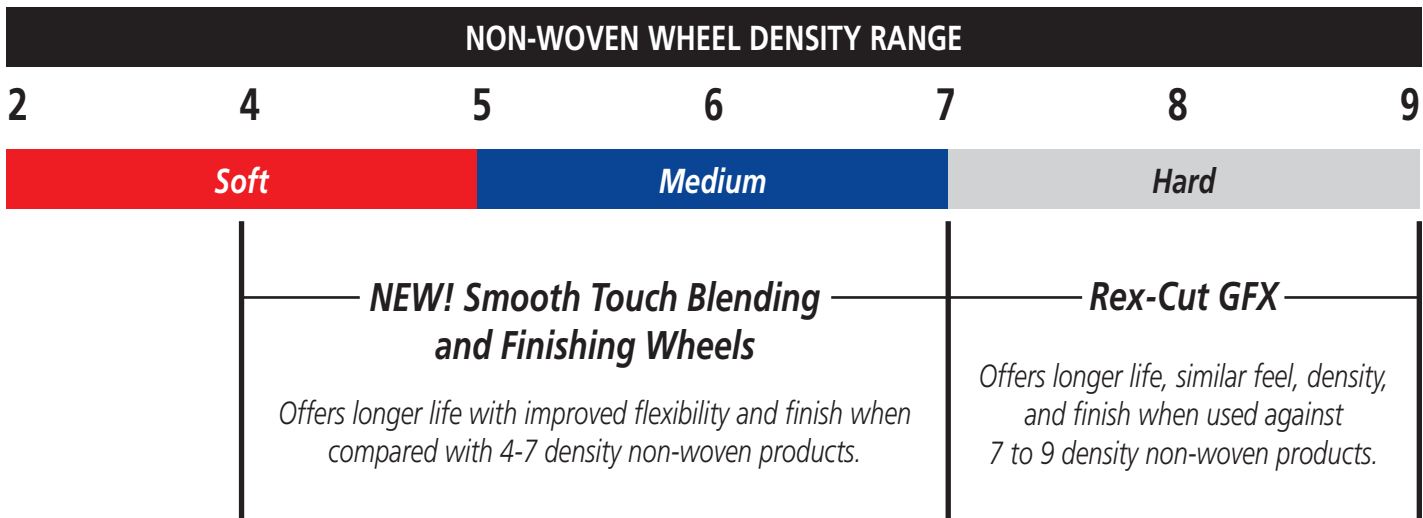
**Rex-Cut RA values are measured with a Mahr Federal Surface analyzer. The values are an average taken from multiple measurements on 304 stainless steel.

Cotton Fiber Abrasive Products

Grinding Wheel Spectrum



Cotton Fiber vs. Non-woven Product Comparison



Cotton Fiber Mounted Points & Wheels



For grinding, deburring and finishing stainless steel, exotic metals and aluminum precision machined and cast parts.

PRODUCT FEATURES

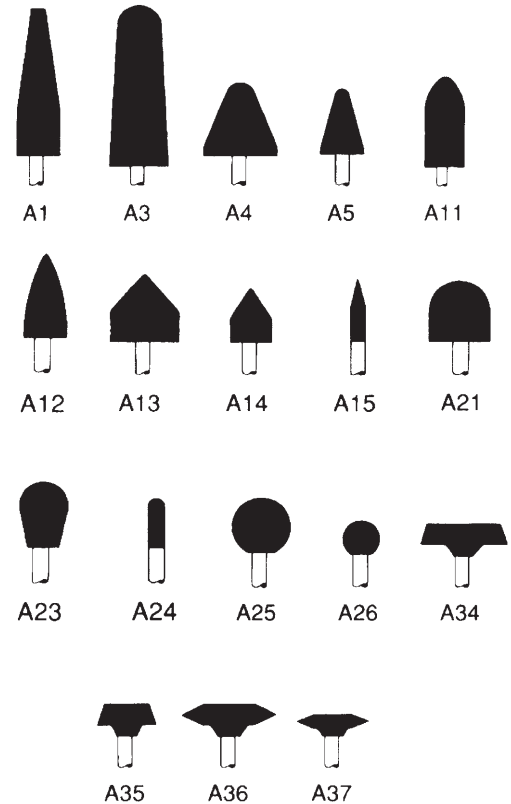
- Debur and finish in one step
- Controlled metal removal without changing part geometry
- Long life
- Smooth, chatter free grinding
- Ideal for deburring and polishing stainless steel, aluminum, mild steel and exotics
- Non loading on aluminum, brass and other non-ferrous metals

SPECIFICATIONS

- see chart on page 5

Group "A" Shapes with 1/4" and 6mm Mandrels				
Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	*1/2" Overhang	1" Overhang
A1	3/4 x 2-1/2	19 x 64	20,960	16,100
A3	1 x 2-3/4	25 x 70	15,530	11,940
A4	1-1/4 x 1-1/4	32 x 32	28,550	23,150
A5	3/4 x 1-1/8	19 x 29	38,550	31,270
A11	7/8 x 2	22 x 50	25,420	20,100
A12	11/16 x 1-1/4	17 x 32	38,050	30,790
A13	1-1/8 x 1-1/8	29 x 29	31,850	25,810
A14	11/16 x 7/8	17 x 22	43,440	35,510
A15	1/4 x 1	6 x 25	50,510	41,470
A21	1 x 1	25 x 25	35,510	28,840
A23	3/4 x 1	19 x 25	40,300	32,800
A24	1/4 x 3/4	6 x 19	56,000	46,400
A25	1 x 1	25 x 25	35,510	28,840
A26	5/8 x 5/8	16 x 16	48,980	40,410
A34	1-1/2 x 3/8	38 x 10	25,460	25,460
A35	1 x 3/8	25 x 10	38,200	38,030
A36	1-5/8 x 3/8	41 x 10	23,510	23,510
A37	1-1/4 x 1/4	32 x 6	30,560	30,560

** Standard Group "A" Shapes



- Most "A" shapes not listed here are available upon request
- * Standard mandrel/recommended overhang
- ** Some "A" shapes available with 1/8" and 3mm spindles.



Die Grinder

Cotton Fiber Mounted Points & Wheels

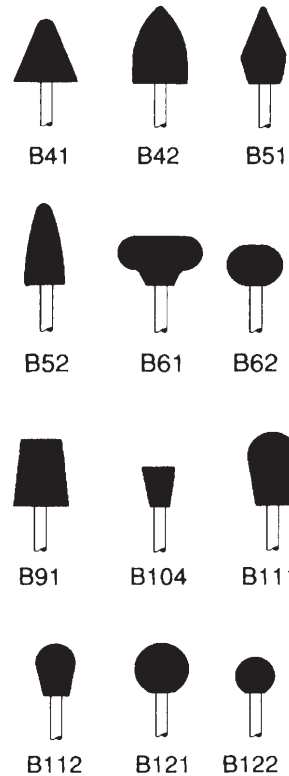
SPECIFICATIONS

Grain Type	Grain Size	Bond/Hardness
"A" Aluminum Oxide	Coarse	24
		36
	Med	54
"C" Silicon Carbide	Fine	120
		180
	Very Fine	320
		GFX Soft JTX Med MTX Hard



Group "B" Shapes with 1/8" and 3mm Mandrels				
Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	*1/2"	1"
			Overhang	Overhang
B41	5/8 x 5/8	16 x 16	59,560	29,600
B42	1/2 x 3/4	13 x 19	61,320	31,360
B51	7/16 x 3/4	11 x 19	62,820	32,860
B52	3/8 x 3/4	10 x 19	64,810	34,850
B61	3/4 x 5/16	19 x 8	50,930	36,120
B62	1/2 x 3/8	13 x 10	65,250	35,300
B91	1/2 x 5/8	13 x 16	61,110	31,150
B104	5/16 x 3/8	8 x 10	71,220	41,260
B111	7/16 x 11/16	11 x 17	62,530	32,570
B112	3/8 x 1/2	10 x 13	65,910	35,960
B121	1/2 x 1/2	13 x 13	62,420	32,460
B122	3/8 x 3/8	10 x 10	68,740	38,790

Standard Group "B" Shapes



- Most "B" shapes not listed here are available upon request
- Most "B" shapes available with 1/4" and 6mm spindles
- * Standard mandrel/recommended overhang



Die Grinder



Popular In-stock items

- B52 1/8" spindle A80 GFX Part No. 320904
- B52 1/8" spindle A80 MTX Part No. 320924

Cotton Fiber Mounted Points & Wheels

PRIMARY APPLICATIONS

Aircraft/Aerospace

Chamfer, debur and finish engine components

Automotive

Debur, chamfer and finish machined/cast parts

Tool & Die

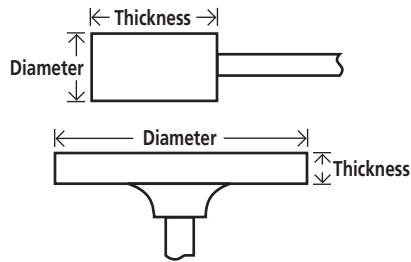
Clean, debur and finish

Fabrication

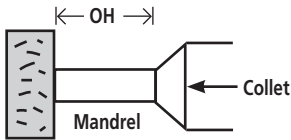
Corner blending, edge breaking, I.D. and O.D. debur and blend

Jewelry

Remove parting lines and finish castings



Standard Mandrel/Recommended Overhang



Overhang (OH) is the distance between the end of the collet and the base of the mounted point.



Popular In-stock items	Part No.
W163 D1 A80 GFX	332304
W163 D1 A120 GFX	332305
W163 D1 A80 MTX	332324
W176 D1 A80 GFX	333804
W177 D1 A80 GFX	334204
W185 D1 A80 GFX	335504
W.750 x .098 D2 A54 Seat Track Cleaner	350029
W.750 x .098 D2 A80 Seat Track Cleaner	350030

Other items may be in stock. Please call to check availability.

Group "W" Shapes with 1/8" and 3mm Mandrels				
Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	*1/2" Overhang	1" Overhang
W160	1/4 x 1/4	6 x 6	75,330	50,640
W162	1/4 x 3/8	6 x 10	67,210	44,040
W163	1/4 x 1/2	6 x 13	59,990	38,350
W164	1/4 x 3/4	6 x 19	47,880	29,300
W174	3/8 x 1/4	10 x 6	65,510	42,440
W175	3/8 x 3/8	10 x 10	57,530	35,990
W176	3/8 x 1/2	10 x 13	50,460	30,450
W177	3/8 x 3/4	10 x 19	38,640	21,690
W178	3/8 x 1	10 x 25	29,760	15,870
W183	1/2 x 1/4	13 x 6	57,510	36,070
W184	1/2 x 3/8	13 x 10	49,680	29,770
W185	1/2 x 1/2	13 x 13	42,750	24,370
W186	1/2 x 3/4	13 x 19	31,220	15,900
W187	1/2 x 1	13 x 25	22,630	10,370
W201	3/4 x 1/4	19 x 6	43,300	25,150
W202	3/4 x 3/8	19 x 10	35,790	19,150
W203	3/4 x 1/2	19 x 13	29,150	14,040
W216	1 x 1/4	25 x 6	30,060	15,150

Group "W" Shapes with 1/4" and 6mm Mandrels				
Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	*1/2" Overhang	1" Overhang
W176	3/8 x 1/2	10 x 13	47,880	37,770
W177	3/8 x 3/4	10 x 19	43,910	34,070
W178	3/8 x 1	10 x 25	40,360	30,780
W179	3/8 x 1-1/4	10 x 32	37,210	27,900
W183	1/2 x 1/4	13 x 6	48,850	38,600
W184	1/2 x 3/8	13 x 10	46,610	36,490
W185	1/2 x 1/2	13 x 13	44,470	34,490
W186	1/2 x 3/4	13 x 19	40,500	30,790
W187	1/2 x 1	13 x 25	36,950	27,490
W188	1/2 x 1-1/2	13 x 38	31,070	22,140
W189	1/2 x 2	13 x 50	26,830	18,440
W196	5/8 x 1	16 x 25	34,670	25,340
W197	5/8 x 2	16 x 50	24,550	16,280
W201	3/4 x 1/4	19 x 6	44,850	34,850
W202	3/4 x 3/8	19 x 10	42,610	32,750
W203	3/4 x 1/2	19 x 13	40,480	30,740
W204	3/4 x 3/4	19 x 19	36,510	27,040
W205	3/4 x 1	19 x 25	32,950	23,750
W207	3/4 x 1-1/2	19 x 38	27,070	18,400
W208	3/4 x 2	19 x 50	22,830	14,690
W216	1 x 1/4	25 x 6	38,200	32,520
W217	1 x 3/8	25 x 10	38,200	30,410
W218	1 x 1/2	25 x 13	37,890	28,410
W220	1 x 1	25 x 25	30,370	21,410
W221	1 x 1-1/2	25 x 38	24,490	16,060
W222	1 x 2	25 x 50	20,250	12,350
W225	1-1/4 x 1/4	32 x 6	30,560	30,560
W226	1-1/4 x 3/8	32 x 10	30,560	28,640
W227	1-1/4 x 1/2	32 x 13	30,560	26,630
W228	1-1/4 x 3/4	32 x 19	30,560	22,930
W230	1-1/4 x 1-1/4	32 x 32	25,200	16,760
W232	1-1/4 x 2	32 x 50	18,220	10,580
W235	1-1/2 x 1/4	38 x 6	25,460	25,460
W236	1-1/2 x 1/2	38 x 13	25,460	25,140
W237	1-1/2 x 1	38 x 25	25,460	18,150
W238	1-1/2 x 1-1/2	38 x 38	20,720	12,800
W242	2 x 1	50 x 25	19,100	15,590

* Most "W" shapes not listed here are available upon request.

* Standard mandrel/recommended overhang.



Die Grinder

MX PLUS Cotton Fiber Mounted Points

for Metal Fabrication

MX Plus Mounted Points feature additional abrasive grain for improved grinding performance.

PRODUCT FEATURES

- Light metal removal and finishing in one step
- Very smooth surface finishes due to cotton fiber construction
- Smooth controlled grinding action
- Non-loading on aluminum



SPECIFICATIONS

Coarse

For blending out scratches, pits and imperfections left from resinoid and vitrified stones, and carbide burs.

Medium

For blending and finishing. Leaves a smooth finish – approximately 32 RMS, or equivalent to 150 grit. Provides food grade surface finish.

Fine

For finer finishing. Surface finish approximately 20-22 RMS, or equivalent to 220 grit.

All MX PLUS mounted points are manufactured with aluminum oxide grain.

Spindles

1/4" (6mm) standard spindles.

1/8" (3mm) spindles available upon request.

Shape	Diameter x Thickness		Box Qty.	Part No.		
	inch	mm		Coarse	Medium	Fine
A1	3/4 x 2-1/2	19 x 63	5	810000	810023	810046
A3	1 x 2-3/4	25 x 70	5	810001	810024	810047
A4	1-1/4 x 1-1/4	32 x 32	5	810002	810025	810048
A5	3/4 x 1-1/8	19 x 29	5	810003	810026	810049
A11	7/8 x 2	22 x 50	5	810004	810027	810050
A12	11/16 x 1-1/4	17 x 32	5	810005	810028	810051
A13	1-1/8 x 1-1/8	29 x 29	5	810006	810029	810052
A21	1 x 1	25 x 25	5	810007	810030	810053
A25	1" BALL	25 BALL	5	810008	810031	810054
A40	3/4 x 3/4	19 x 19	5	810009	810032	810055
B52	3/8 x 3/4	10 x 19	10	810010	810033	810056
W177	3/8 x 3/4	10 x 19	10	810011	810034	810057
W189	1/2 x 2	13 x 50	5	810012	810035	810058
W196	5/8 x 1	16 x 25	10	810013	810036	810059
W198	5/8 x 2-1/2	16 x 63	5	810014	810037	810060
W220	1 x 1	25 x 25	5	810015	810038	810061
W222	1 x 2	25 x 50	5	810016	810039	810062
W232	1-1/4 x 2	32 x 50	5	810017	810040	810063
W236	1-1/2 x 1/2	38 x 13	5	810018	810041	810064
W239	1-1/2 x 2	38 x 50	5	810019	810042	810065
W240	1-1/2 x 2-1/2	38 x 63	5	810020	810043	810066
W242	2 x 1	50 x 25	5	810021	810044	810067
W243	2 x 1-1/2	50 x 38	5	810022	810045	810068

Note: For maximum RPM reference pages 4, 5 and 6.



Die Grinder

Megabrite Unitized Mounted Points



For light deburring, cleaning, finishing and polishing of precision machined and cast parts.

PRODUCT FEATURES

- Conformable
- Smooth finishes
- Enhanced control
- Chatter free
- Maintain part geometry
- Easy to dress to fit profiles and hard to reach areas

FOR USE ON

Stainless Steel
 Aluminum
 Exotic Metals
 Mild Steel
 Brass

KEY MARKETS

Aircraft, Aerospace, Automotive, Mold and Die, Machine Shops, Electronics, and many others.

SPECIFICATIONS

Grit
A/O Medium
A/O Fine
S/C Medium
S/C Fine
S/C Fine Soft
S/C Very Fine
S/C Very Fine Soft

Most A, B and W industry standard shapes are available upon request.

Popular Sizes and Maximum RPM				
Shape	Diameter x Thickness		RPM 1/8" (3mm) with 1/2" (13mm) Overhang	RPM 1/4" (6mm) with 1/2" (13mm) Overhang
	inch	mm		
A1	3/4 x 2-1/2	19 x 64		20,960
A5	3/4 x 1-1/8	19 x 29		38,550
A12	11/16 x 1-1/4	17 x 32		38,050
B42	1/2 x 3/4	13 x 19	61,320	69,200
B51	7/16 x 3/4	11 x 19	62,820	72,630
B52	3/8 x 3/4	10 x 19	64,810	78,340
B104	5/16 x 3/8	8 x 10	71,220	
B121	1/2 x 1/2	13 x 13	62,420	69,310
B122	3/8 x 3/8	10 x 10	68,740	
W163	1/4 x 1/2	6 x 13	59,990	
W177	3/8 x 3/4	10 x 19	38,640	43,910
W179	3/8 x 1-1/4	10 x 32		37,210
W185	1/2 x 1/2	13 x 13	42,750	44,470
W189	1/2 x 2	13 x 50		26,830

Available with 1/8" x 1-1/2" (3mm x 30mm) and 1/4" x 1-1/2" (6mm x 40mm) spindles.



Die Grinder

Type 1 Cotton Fiber Deburring Wheels



Product displayed for marketing purposes only. Always use wheels with the safety guard.

PRIMARY APPLICATIONS

Automotive

- Chamfer, debur and finish transmission gears
- Blend and finish brazing in assembly plants

Aircraft/Aerospace

- Chamfer, debur and finish engine components

Tool & Die

- Finish, debur, maintenance of dies and molds

Fabrication

- Corner blending, edge breaking, I.D. and O.D. debur and blend

Oil Field Repair/Maintenance

Pipe thread maintenance and repair

PRODUCT FEATURES

- Grind, debur and finish in one operation
- Smooth controlled grinding action
- Remove burrs without changing part geometry
- Long life vs. non woven synthetic fiber wheels
- No smearing or back transfer on stainless steel and exotic alloys



Diameter x Width x ID		Maximum Safe RPM	
inch	mm	TX bond	FX bond
1 x 1/32 x 1/8	25 x .8 x 3	54,240	NA*
1 x 1/16 x 1/8	25 x 1.6 x 3	54,240	36,290
1 x 1/8 x 1/8	25 x 3 x 3	54,240	36,290
1 x 1/4 x 1/8	25 x 6 x 3	54,240	36,290
1 x 3/8 x 1/8	25 x 10 x 3	54,240	36,290
1-1/2 x 1/16 x 1/8	38 x 1.6 x 3	36,160	24,195
1-1/2 x 1/8 x 1/8	38 x 3 x 3	36,160	24,195
1-1/2 x 1/4 x 1/4	38 x 6 x 6	36,160	24,195
1-1/2 x 3/8 x 1/4	38 x 10 x 6	36,160	24,195
2 x 1/32 x 1/4	50 x .8 x 6	27,120	NA*
2 x 1/16 x 1/4	50 x 1.6 x 6	27,120	18,145
2 x 1/8 x 1/4	50 x 3 x 6	27,120	18,145
2 x 1/8 x 3/8	50 x 3 x 10	27,120	18,145
2 x 1/4 x 1/4	50 x 6 x 6	27,120	18,145
2 x 1/4 x 3/8	50 x 6 x 10	27,120	18,145
2 x 3/8 x 1/4	50 x 10 x 6	27,120	18,145
2 x 3/8 x 3/8	50 x 10 x 10	27,120	18,145
2 x 1/2 x 3/8	50 x 13 x 10	27,120	18,145
2-1/2 x 1/16 x 1/4	65 x 1.6 x 6	21,695	14,515
2-1/2 x 1/8 x 1/4	65 x 3 x 6	21,695	14,515
2-1/2 x 1/4 x 1/4	65 x 6 x 6	21,695	14,515
3 x 1/16 x 1/4	75 x 1.6 x 6	18,080	12,095
3 x 1/16 x 3/8	75 x 1.6 x 10	18,080	12,095
3 x 1/8 x 1/4	75 x 3 x 6	18,080	12,095
3 x 3/16 x 1/4	75 x 5 x 6	18,080	12,095
3 x 3/16 x 3/8	75 x 5 x 10	18,080	12,095
3 x 1/4 x 1/4	75 x 6 x 6	18,080	12,095
3 x 1/4 x 3/8	75 x 6 x 10	18,080	12,095
3 x 3/8 x 3/8	75 x 10 x 10	18,080	12,095
3 x 1/2 x 3/8	75 x 13 x 10	18,080	12,095
3 x 1 x 1/2	75 x 25 x 13	12,095	12,095
4 x 1/16 x 1/4	100 x 1.6 x 6	13,560	9,075
4 x 1/16 x 3/8	100 x 1.6 x 10	13,560	9,075
4 x 1/8 x 1/4	100 x 3 x 6	13,560	9,075
4 x 1/8 x 3/8	100 x 3 x 10	13,560	9,075
4 x 1/4 x 1/4	100 x 6 x 6	13,560	9,075
4 x 1/4 x 3/8	100 x 6 x 10	13,560	9,075
4 x 3/8 x 3/8	100 x 10 x 10	13,560	9,075
4 x 1/2 x 1/2	100 x 13 x 13	13,560	9,075
4 x 3/4 x 1/2	100 x 19 x 13	9,075	9,075
4 x 1 x 1/2	100 x 25 x 13	9,075	9,075

* Not available in FX bond



Die Grinder

SPECIFICATIONS

See chart on page 10.

Type 1 Cotton Fiber Bench Wheels

PRODUCT FEATURES

- General purpose deburring and finishing
- Longer life vs. non-woven products
- Deburr and finish in one operation

PRIMARY APPLICATIONS

Jewelry

Chamfer, deburr, blend and finish (available in split and beveled)

Cutlery

Fork tining, finishing

Aircraft/Aerospace

Grind, deburr and finish engine parts

Food Service

Deburr edges on pots and pans/kitchen equipment
Automotive

Deburr and finish

machined/cast parts

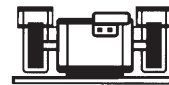
Tool and Die

Repair and maintenance

Diameter x Thickness		Maximum Safe RPM		Standard Specifications
inch	mm	TX bond	FX bond	
5 x 1/8 x 3/8	125 x 3 x 10	10,850	7,260	Grain Type "A" - Aluminum Oxide "C" - Silicon Carbide
5 x 1/4 x 1/2	125 x 6 x 13	10,850	7,260	
5 x 3/8 x 1/2	125 x 10 x 13	10,850	7,260	
5 x 1/2 x 1/2	125 x 13 x 13	10,850	7,260	
5 x 3/4 x 1/2	125 x 19 x 13	7,260	7,260	
5 x 1 x 5/8	125 x 25 x 16	7,260	7,260	
6 x 1/8 x 1/2	150 x 3 x 13	9,040	6,050	Grain Size Coarse 16, 24, 36 Medium 54, 80 Fine 120, 180 Very Fine 320*
6 x 1/8 x 5/8	150 x 3 x 16	9,040	6,050	
6 x 1/4 x 5/8	150 x 6 x 16	9,040	6,050	
6 x 3/8 x 5/8	150 x 10 x 16	9,040	6,050	
6 x 1/2 x 5/8	150 x 13 x 16	9,040	6,050	
6 x 3/4 x 5/8	150 x 19 x 16	6,050	6,050	
6 x 1 x 5/8	150 x 25 x 16	6,050	6,050	Grades/Bonds Soft GFX - for light deburring and blending Medium JTX - for light deburring with longer life Hard MTX - for light to medium stock removal
7 x 1/8 x 1/2	178 x 3 x 13	7,750	N/A*	
7 x 1/8 x 5/8	178 x 3 x 16	7,750	N/A*	
7 x 1/4 x 5/8	178 x 6 x 16	7,750	5,185	
7 x 3/8 x 5/8	178 x 10 x 16	7,750	5,185	
7 x 1/2 x 5/8	178 x 13 x 16	7,750	5,185	
7 x 3/4 x 5/8	178 x 19 x 16	5,185	5,185	
7 x 3/4 x 3/4	178 x 19 x 19	5,185	5,185	
7 x 1 x 1	178 x 25 x 25	5,185	5,185	

8" - 14" diameters available by request

*Not available in FX bond



Bench Grinder

* Available only in aluminum oxide



HIGH SPEED Type 1 Cotton Fiber Deburring Wheels



Manufactured with additional fiberglass reinforcement to meet the speed requirements of die grinders.

PRIMARY APPLICATIONS

Debur and finish precision machined and cast parts made from stainless steel, aluminum, and exotic metals.

Diameter x Thickness x ID		Max RPM
inch	mm	
2 x 1/16 x 1/4	50 x 1.6 x 6	28,000
2 x 1/8 x 1/4	50 x 3 x 6	28,000
2 x 1/4 x 1/4	50 x 6 x 6	28,000
2-1/2 x 1/16 x 1/4	65 x 1.6 x 6	24,000
2-1/2 x 1/8 x 1/4	65 x 3 x 6	24,000
2-1/2 x 1/4 x 1/4	65 x 6 x 6	24,000
3 x 1/16 x 1/4	75 x 1.6 x 6	20,000
3 x 1/8 x 1/4	75 x 3 x 6	20,000
3 x 1/4 x 1/4	75 x 6 x 6	20,000

SPECIFICATION

Soft Bond

For light deburring and finishing

Hard Bond

Most aggressive bond for deburring with long life

GRIT

Coarse, Medium, Fine, Very Fine

Very fine grit available upon request.
3/8" (10mm) IDs available upon request.



Die Grinder

Product displayed for marketing purposes only. Always use wheels with the safety guard.

All wheels are manufactured with aluminum oxide grain. Silicon carbide available by special request only.

Smooth Touch™ Blending and Polishing Wheels

Rex-Cut Products introduces a brand new generation of cotton fiber products designed for blending and finishing in one operation. Offers smooth grinding action and flexibility for the ultimate in operator control. Smooth Touch wheels offer up to 5X or more life when compared with unitized products.



PRIMARY APPLICATIONS

Applications where flexibility and operator control are very important. Light grinding or deburring, blending and finishing on stainless steel, aluminum, carbon steel and exotics.

Type 1

Diameter x Thickness x ID		Max RPM	Optimal Speed RPM
inch	mm		
2 x 1/8 x 1/4	50 x 3 x 6	18,000	10,000
2 x 1/4 x 1/4	50 x 6 x 6	18,000	10,000
3 x 1/8 x 1/4	75 x 3 x 6	12,000	6,000
3 x 1/4 x 1/4	75 x 6 x 6	12,000	6,000
3 x 1/8 x 3/8	75 x 3 x 10	12,000	6,000
3 x 1/4 x 3/8	75 x 6 x 10	12,000	6,000
6 x 1/8 x 1/2	150 x 3 x 13	6,000	2,500
6 x 1/8 x 5/8	150 x 3 x 16	6,000	2,500
6 x 1/4 x 1/2	150 x 6 x 13	6,000	2,500
6 x 1/4 x 5/8	150 x 6 x 16	6,000	2,500

SPECIFICATION

CRS - GREEN

MED - RED

FINE - YELLOW

TIP!

While in use, allow the wheel to do the work with minimal pressure. Applying too much pressure will cause the wheel to generate unwanted heat and potential back transfer.

Note: Other sizes may be available upon request.

Megabrite Non-woven Abrasives

Megabrite**** Unitized and convolute wheels are a great complement to our cotton fiber product line. Offering the next step in blending, finishing, and polishing applications, these wheels are designed for light deburring, cleaning, finishing, and the preparation of metal surfaces.

FEATURES

- Long Life
- No Smearing
- Flexible/Conforming
- Non-woven Construction

BENEFITS

- Higher Productivity
- Uniform Finish
- No Gouging/Smooth Finishes
- Non Loading

Megabrite wheels are available in a wide range of densities and grades. Use the chart below as a guide to determine which density to use.



Application Requirements	Wheel Density		
	2-3	4-6	7-8
Aggressive	Low	Medium	High
Wheel Longevity	Low	Medium	High
Flexibility	High	Medium	Low
Surface Finish	Very Fine	Fine	Medium

Megabrite unitized wheels are manufactured by compressing a non-woven web with specialized resin and grain to produce high performance finishing products. For use on stainless steel, aluminum, exotic alloys, mild steel and brass.

KEY MARKETS

Aircraft, Aerospace, Mold and Die, Machine Shops, Electronics and many others

In addition to our popular inventory of sizes and specifications, we can supply many other specifications and grades to fit your application needs.

Megabrite Unitized Wheels - Type 1

Dimensions		Grade, Grit, and Part Numbers										
inch	mm	2AMED	2SFN	4AMED	4SCRS	4SFN	6AMED	6SFN	8AXCRS	8ACRS	8AMED	8SFN
1 x 1 x 3/16	25 x 25 x 5	840000	840001	840002	840003	840004	840005	840006	840007	840008	840009	840010
2 x 1/2 x 1/4	50 x 13 x 6	840011	840012	840013	840014	840015	840016	840017	840018	840019	840020	840021
3 x 1/8 x 1/4	75 x 3 x 6	N/A	N/A	N/A	N/A	N/A	840045	840046	840047	840048	840049	840050
3 x 1/4 x 1/4	75 x 6 x 6	840033	840034	840035	840036	840037	840038	840039	840040	840041	840042	840043
3 x 1/2 x 1/4	75 x 13 x 6	840022	840023	840024	840025	840026	840027	840028	840029	840030	840031	840032

*Other sizes and grades available on request.



Diameter x Thickness		Maximum RPM			
inch	mm	XL2 (RPMs)	XL4 (RPMs)	XL6 (RPMs)	XL8 (RPMs)
*1/2 x 1/8 - 1/2	*13 x 3 - 13	30,000	30,000	40,000	40,000
3/4 x 1/8 - 1/2	19 x 3 - 13	30,000	30,000	40,000	40,000
1 x All	25 x All	25,000	25,000	35,000	35,000
1-1/2 x All	38 x All	18,000	18,000	30,000	30,000
2 x 1/8 - 1/4	50 x 3 - 6	16,000	16,000	22,000	22,000
2 x 1/2	50 x 13	16,000	16,000	22,000	22,000
2 x 3/4 - 1	50 x 19 - 25	14,100	14,100	22,000	22,000
2-1/2 x 1/8	65 x 3			20,000	20,000
2-1/2 x 1/4	65 x 6	14,000	14,000	20,000	20,000
2-1/2 x 3/8	65 x 10	12,000	12,000	20,000	20,000
2-1/2 x 1/2	65 x 13	12,000	12,000	18,000	18,000
2-1/2 x 3/4 - 1	65 x 19 - 25	10,000	10,000	18,000	18,000
3 x 1/8	75 x 3			18,000	18,000
3 x 1/4	75 x 6	12,000	12,000	18,000	18,000
3 x 3/8	75 x 10	10,000	10,000	18,000	18,000
3 x 1/2	75 x 13	10,000	10,000	15,000	15,000
3 x 3/4 - 1	75 x 19 - 25	9,500	9,500	15,000	15,000
4 x 1/8 - 1/2	100 x 3 - 13	8,000	8,000	12,000	12,000
4 x 3/4 - 1	100 x 19 - 25	7,000	7,000	9,000	9,000
4-1/2 x *1/8 - 1/2	115 x *3 - 13	7,100	7,100	10,600	10,600
5 x All	125 x All	5,700	5,700	7,200	7,200
6 x All	150 x All	4,700	4,700	6,000	6,000
7 x All	178 x All	4,000	4,000	5,500	5,500
8 x All	200 x All	3,500	3,500	5,000	5,000
9 x All	225 x All	3,000	3,000	4,500	4,500
10 x All	250 x All	2,800	2,800	4,000	4,000
12 x All	300 x All	2,100	2,100	3,500	3,500

*Available in 4 and 6 densities only

Megabrite Convolute Wheels



Designed for advanced deburring, finishing and polishing of stainless steel, aluminum and exotic alloy parts. Convolute wheels are designed for greater conformability during use and prevent gouging and undercutting. They are capable of finishing large surface areas for uniform grain-in applications.

KEY MARKETS

Aircraft, Aerospace, Mold and Die, Machine Shops, Electronics and many others.

Dimensions		7SFN	8AMED	8SFN	9SFN	Max RPM
inch	mm					
6 x 1/2 x 1	150 x 13 x 25	840051	840052	840053	840054	6,000
6 x 1 x 1	150 x 25 x 25	840055	840056	840057	840058	6,000
8 x 1/2 x 3	200 x 13 x 76	840059	840060	840061	840062	4,500
8 x 1 x 3	200 x 25 x 76	840063	840064	840065	840066	4,500

*Other sizes, specifications, and grades, are available to fit your application needs

Megabrite T27 Unitized Wheels *with Fiberglass Backing*

Light Deburring, Surface Finishing and Polishing

Provides excellent operator control and long life.

PRIMARY APPLICATIONS

Scale removal, weld surface prep, edge breaking, light deburring and flash removal, remove blemishes and corrosion, polishing stainless steel and other alloys, surface prep before painting.



Diameter x Arbor		Max RPM	Grade	Grit	Part No.	Box Qty.
inch	mm					
4-1/2 x 7/8	115 x 22.2	10,000	A - CRS	120	843000	5
4-1/2 x 7/8	115 x 22.2	10,000	S - MED	180	843001	5
4-1/2 x 7/8	115 x 22.2	10,000	S - VERY FINE	240	843002	5
5 x 7/8	125 x 22.2	8,500	A - CRS	120	844000	5
5 x 7/8	125 x 22.2	8,500	S - MED	180	844001	5
5 x 7/8	125 x 22.2	8,500	S - VERY FINE	240	844002	5



Angle Grinder



In-stock item

5/8"-11 adaptors available upon request.

Fusion Interleaf Flap Discs - T27



A Megabrite product

Fusion Flap Discs are manufactured by combining premium coated abrasive material with non-woven surface conditioning material. Grind and perfectly finish a weld in one operation.

Grain size is calibrated in order to match grained in finish on stainless steel rails and tubes.

PRIMARY APPLICATIONS

Blend in corner welds and grain-in finish on stainless steel rails. Blend small TIG welds on stainless steel kitchen equipment.

FOR USE ON

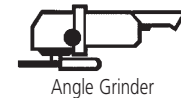
Stainless Steel
Aluminum
Sheet Metal
Mild Steel
Brass

TIP!

Surface conditioning material should always be run at lower speeds than coated abrasives. Operating discs at recommended "Best Speeds" extends disc life, improves finish and reduces heat. Run wheels in direction of grained-in finish.

Product displayed for marketing purposes only. Always use wheels with the safety guard.

Diameter		Max RPM	Best Speeds	CRS	MED	VFINE	Box Qty.
inch	mm						
4-1/2 x 7/8	115 x 22.2	13,300	2,700-5,000	894000	894001	894002	5
4-1/2 x 5/8-11	N/A	13,300	2,700-5,000	894003	894004	894005	5
5 x 7/8	125 x 22.2	12,200	2,500-4,500	894006	894007	894008	5
5 x 5/8-11	N/A	12,200	2,500-4,500	894009	894010	894011	5



In-stock item

Megabrite T27 Finishing Flap Discs *with Fiberglass Backing*

Designed for general surface preparation and finishing. Layered flaps provide better control and longer life.

PRIMARY APPLICATIONS

Cleaning, deburring, blending and finishing stainless steel, aluminum and other metals.

Diameter		CRS	MED	VFINE	Max	Optimum	Box
inch	mm	Brown	Maroon	Blue	RPM	RPM	Qty.
4-1/2 x 7/8	115 x 22.2	892000	892001	892002	13,300	7,000	5
4-1/2 x 5/8-11	N/A	892003	892004	892005	13,300	7,000	5
5 x 7/8	125 x 22.2	892006	892007	892008	12,200	5,000	5
5 x 5/8-11	N/A	892009	892010	892011	12,200	5,000	5



In-stock item



T27 Cotton Fiber Grinding Wheels

Depressed Center

A popular choice for grinding and finishing stainless steel and aluminum.

PRODUCT FEATURES

- Grind and finish in one step
- Smooth controlled grinding action
- Non loading on aluminum
- Superior surface finishing on stainless steel and aluminum
- Long life and durability

SPECIFICATION

GFX Bond

For blending and finishing applications on stainless steel and aluminum

MTX Bond

For light or medium weld removal on aluminum



Diameter x Thickness x Arbor		Max RPM	Box Qty.
inch	mm		
3 x 1/8 x 3/8	75 x 3 x 10	18,000	10/25
3 x 3/16 x 3/8	75 x 5 x 10	18,000	10/25
3 x 1/4 x 3/8	75 x 6 x 10	18,000	10/25
4 x 1/8 x 3/8	100 x 3 x 10	15,300	10/25
4 x 1/8 x 5/8	100 x 3 x 16	15,300	10/25
4 x 3/16 x 3/8	100 x 5 x 10	15,300	10/25
4 x 3/16 x 5/8	100 x 5 x 16	15,300	10/25
4 x 1/4 x 3/8	100 x 6 x 10	15,300	10/25
4 x 1/4 x 5/8	100 x 6 x 16	15,300	10/25
4-1/2 x 1/8 x 7/8	115 x 3 x 22.2	13,300	10/25
4-1/2 x 3/16 x 7/8	115 x 5 x 22.2	13,300	10/25
4-1/2 x 1/4 x 7/8	115 x 6 x 22.2	13,300	10/25
5 x 3/16 x 7/8	125 x 5 x 22.2	12,200	10/25
5 x 1/4 x 7/8	125 x 6 x 22.2	12,200	10/25
7 x 3/16* x 7/8	178 x 5* x 22.2	8,500	10/25
7 x 1/4 x 7/8	178 x 6 x 22.2	8,500	10/25
9 x 3/16* x 7/8	230 x 5* x 22.2	6,600	10/25
9 x 1/4 x 7/8	230 x 6 x 22.2	6,600	10/25

*Available in GFX only



TIP!

Use A36GFX for blending and finishing on stainless steel.
Use A24MTX for grinding aluminum.

Availability:

- Grain sizes: A24, A36, A54, A80, A120 (silicon carbide available)
- Bonds: MTX - Tough Resin bond for grinding
GFX - Latex bond for blending and finishing
- Available with 5/8" - 11 throw away adapters. Reusable adapter kits available upon request. (see Page 27)



Popular In-stock items	Part No. / with 5/8-11 hubs
4 x 1/4 x 5/8 A24MTX	240111
4 x 1/4 x 5/8 A36GFX	240102
4-1/2 x 1/4 x 7/8 A24MTX	245051 / 245111
4-1/2 x 1/4 x 7/8 A36GFX	245042 / 245102
4-1/2 x 1/4 x 7/8 A54GFX	245043 / 245103
7 x 1/4 x 7/8 A36GFX	270042 / 270102
7 x 1/4 x 7/8 A54GFX	270043 / 270103

Other items may be in stock. Please call to check availability.

SIGMA GREEN Grinding Wheels - T27

Designed for extremely fast grinding.

PRIMARY APPLICATIONS

Tank Fabrication
Power Plant Maintenance and Repair
Welding/Metal Fabrication Shops
Grind Stainless Steel, Inconel and Titanium

FOR USE ON

Stainless Steel, Mild Steel,
 Hard Face, Titanium,
 Inconel and Aluminum



Virtually iron free –

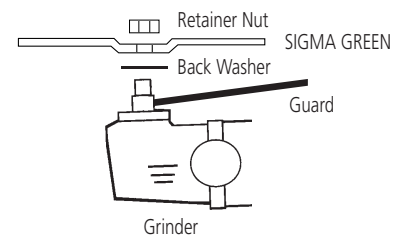
contains only 0.035% iron, with less than 0.1% of iron, chlorine and sulfur combined

FEATURES & BENEFITS

- High Performance grain
- Longer Life
- 50% faster cutting than aluminum oxide
- Unique bonding and wheel design
- 20% cooler cutting
- No discoloring and warpage of stainless steel
- Better finish
- Reduced operator fatigue
- Smoother and quieter grinding action with more control

Diameter x Arbor		Max RPM	Grit Size	Part No.	Box Qty.
inch	mm				
4 x 5/8	100 x 16	15,300	36	730001	25
4 x 3/8 - 24	N/A	15,300	36	730014	10
4-1/2 x 7/8	115 x 22.2	13,300	36	730000	25
4-1/2 x 7/8	115 x 22.2	13,300	60	730009	25
4-1/2 x 5/8 - 11	N/A	13,300	36	730002	10
4-1/2 x 5/8 - 11	N/A	13,300	60	730015	10
5 x 7/8	125 x 22.2	12,200	36	730005	25
5 x 5/8 - 11	N/A	12,200	36	730006	10
7 x 7/8	178 x 22.2	8,500	36	730003	25
7 x 5/8 - 11	N/A	8,500	36	730004	10

Model Mounting Procedures



**Available with 5/8" - 11
 throw away adaptors**



In-stock item

SIGMA GREEN *for Aluminum - T27*

46 Grit

Designed for heavy stock removal on aluminum.

PRODUCT FEATURES

- Increased production and reduced downtime
- Non-loading
- Smooth control with less vibration
- No wax, paraffins, or other grinding aids needed to prevent loading



In-stock item



Diameter x Arbor		Max RPM	Grit	Part No.	Box Qty.
inch	mm				
4-1/2 x 7/8	115 x 22.2	13,300	46	730008	25
4-1/2 x 5/8-11	N/A	13,300	46	730017	10



Angle Grinder

SIGMA SCREEN *Multi Purpose Discs - T27*

FAST, Flexible, COOL.

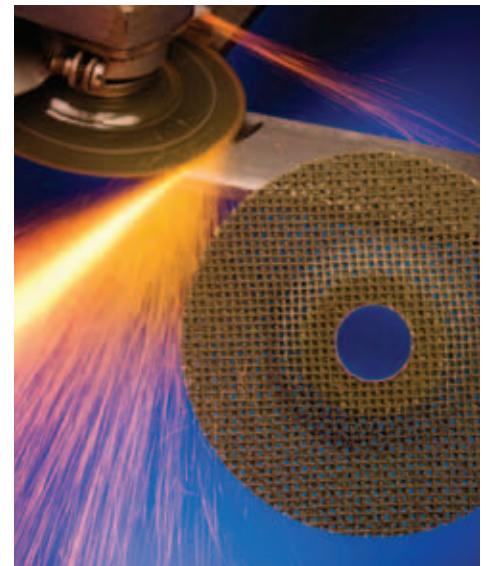
Formulated using the same unique properties of our popular Sigma Green wheels. Designed for fast, flexible and cool grinding applications.

Diameter x Arbor		Max RPM	Grit	Part No.	Box Qty.
inch	mm				
4-1/2 x 7/8	115 x 22.2	13,300	CRS	750000	10/50
4-1/2 x 7/8	115 x 22.2	13,300	MED	750001	10/50
4-1/2 x 7/8	115 x 22.2	13,300	FINE	750002	10/50
4-1/2 x 7/8	115 x 22.2	13,300	VFINE	750003	10/50

Box of 10 contains 1 back-up pad. Box of 50 contains 5 back-up pads. Back-up pad is required for use with the disc. Discs can be stacked for longer life and more aggressive grinding action. **Discs are not recommended to be used on sharp edges.**



Angle Grinder



INDUSTRIES

Automotive, Marine, Job Shops, Sheet Metal Shops, Woodworkers

PRIMARY APPLICATIONS

Rust and paint removal, splatter and scale removal, light weld removal, remove scratches, pits and corrosion, remove undercoating, sanding

FOR USE ON

Stainless Steel, Aluminum, Composites, Fiberglass, Sheet Metal, Wood



In-stock item

SIGMA Ceramic Flap Discs

Standard Density Type 29 Disc

Ceramic flap discs for aggressive and controlled stock removal.

PRODUCT FEATURES

- Rapid stock removal
- Controlled grinding action
- Longer life vs. A/O discs
- Better surface finish

PRIMARY APPLICATIONS

- Stainless Steel
- Mild Steel
- Exotic Metals



In-stock item

Diameter x Arbor		Type	Grit	Max RPM	Part No.	Box Qty.
inch	mm					
4-1/2 x 7/8	115 x 22.2	29	36	15,300	735000	10
4-1/2 x 7/8	115 x 22.2	29	60	15,300	735001	10
5 x 7/8	125 x 22.2	29	36	12,200	735002	10
5 x 7/8	125 x 22.2	29	60	12,200	735003	10
7 x 7/8	178 x 22.2	29	36	8,500	735004	10
7 x 7/8	178 x 22.2	29	60	8,500	735005	10

Available with 5/8-11 adaptors



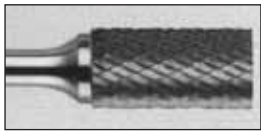
Angle Grinder

Carbide Burs



Standard Cut

- general purpose



Double Cut

- finer finish, smaller chips
- smoother operator control, less vibration



Non-Ferrous Cut

- wider flutes for reduced loading
- excellent for aluminum, plastic, and non-ferrous metals



Designed for those demanding applications requiring fast, heavy, and controlled stock removal. Rex-Cut offers a complete line of burs while stocking popular sizes.

Maximum Recommended Operating Speeds

Bur Diameter	RPM (A)	RPM (B)
1/8"	45,000	55,000
1/4"	35,000	45,000
3/8"	25,000	30,000
1/2"	20,000	25,000
5/8"	15,000	20,000
*All extended burs	15,000	15,000

(A) For stainless steel, nickel, and other hard alloys

(B) For aluminum, copper, bronze, plastic, and other soft metals

*Max RPM for burs with extended shanks (ie; 6" shanks)

All burs are manufactured using grade K20 micrograin carbide and high speed, heat treated, steel shanks. All brazed burs are 100% torque tested for the safest operation.

General Information for Bur Use

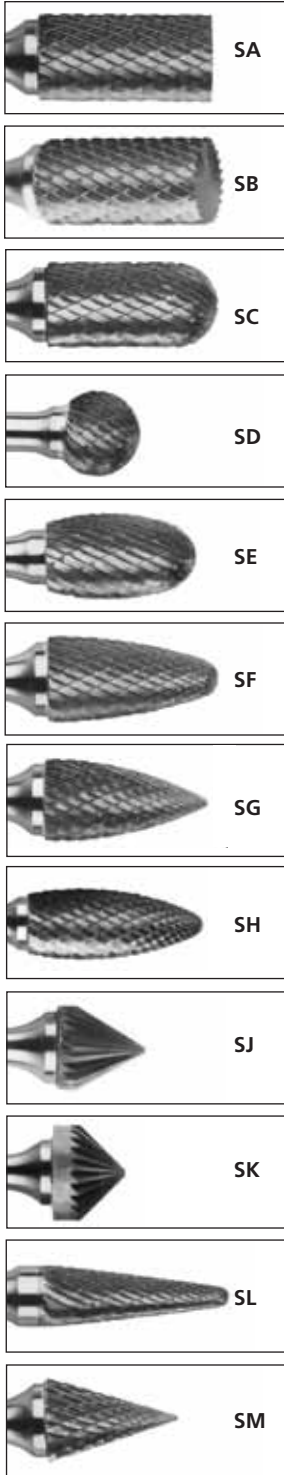
1. It may be necessary to adjust the bur speed as shown on above for optimum performance.
2. Use slower speeds for harder materials.
3. Use faster speeds when using small burs.
4. Apply constant pressure and movement when in use.
5. Running burs below recommended speeds may cause chipping.
6. Do not use worn out tools and collets as they will also cause chipping.
7. Running burs too fast will cause teeth to wear prematurely.



Die Grinder

Non-Ferrous Cut					
Type	Diameter	Length	Shank Size	Part No.	Box Qty.
SA1NF	1/4	3/4	1/4	880001	1
SA3NF	3/8	3/4	1/4	880004	1
SA5NF	1/2	1	1/4	880007	1
SC1NF	1/4	3/4	1/4	880012	1
SC3NF	3/8	3/4	1/4	880015	1
SD5NF	1/2	1/2	1/4	880022	1
SF1NF	1/4	5/8	1/4	880028	1
SF3NF	3/8	3/4	1/4	880031	1
SF5NF	1/2	1	1/4	880034	1
SL1NF	1/4	5/8	1/4	880047	1
SL3NF	3/8	1	1/4	880050	1
SL4NF	1/2	1-1/4	1/4	880053	1

Carbide Burs



Double Cut						
Type	Diameter	Length	Shank Size	Part No.	Box Qty.	w/End Cut
SA1	1/4	3/4	1/4	880000	1	
SA3	3/8	3/4	1/4	880002	1	
SA5	1/2	1	1/4	880005	1	
SB1	1/4	3/4	1/4	880008	1	X
SB3	3/8	3/4	1/4	880009	1	X
SB5	1/2	1	1/4	880010	1	X
SC1	1/4	3/4	1/4	880011	1	
SC3	3/8	3/4	1/4	880013	1	
SC5	1/2	1	1/4	880016	1	
SD1	1/4	1/4	1/4	880018	1	
SD3	3/8	3/8	1/4	880019	1	
SD5	1/2	1/2	1/4	880021	1	
SE1	1/4	3/8	1/4	880024	1	
SE3	3/8	5/8	1/4	880025	1	
SE5	1/2	7/8	1/4	880026	1	
SF1	1/4	5/8	1/4	880027	1	
SF3	3/8	3/4	1/4	880029	1	
SF5	1/2	1	1/4	880032	1	
SG1	1/4	5/8	1/4	880035	1	
SG5	1/2	1	1/4	880037	1	
SH1	1/4	1/2	1/4	880039	1	
SH5	1/2	1-1/4	1/4	880040	1	
SJ1	1/4	3/16	1/4	880041	1	
SJ5	1/2	7/16	1/4	880042	1	
SK1	1/4	1/8	1/4	880043	1	
SK3	3/8	3/16	1/4	880044	1	
SK5	1/2	1/4	1/4	880045	1	
SL1	1/4	5/8	1/4	880046	1	
SL3	3/8	1	1/4	880048	1	
SL4	1/2	1-3/16	1/4	880051	1	
SM1	1/4	1/2	1/4	880054	1	
SM2	1/4	3/4	1/4	880055	1	
SM3	1/4	1	1/4	880056	1	
SM4	3/8	5/8	1/4	880057	1	
SM5	1/2	7/8	1/4	880058	1	

Double Cut with 6 Inch Shanks						
Type	Diameter	Length	Shank Size	Part No.	Box Qty.	w/End Cut
SA3L6	3/8	3/4	1/4	880003	1	
SA5L6	1/2	1	1/4	880006	1	
SC3L6	3/8	3/4	1/4	880014	1	
SC5L6	1/2	1	1/4	880017	1	
SD3L6	3/8	3/8	1/4	880020	1	
SD5L6	1/2	1/2	1/4	880023	1	
SF3L6	3/8	3/4	1/4	880030	1	
SF5L6	1/2	1	1/4	880033	1	
SG3L6	3/8	3/4	1/4	880036	1	
SG5L6	1/2	1	1/4	880038	1	
SL3L6	3/8	1	1/4	880049	1	
SL4L6	1/2	1-3/16	1/4	880052	1	



End cut burs have a skip flute design for improved cutting action.

Cotton Fiber Quick Change Discs

Remove small welds, blend machine tool marks, debur, break edges and finish.

PRIMARY APPLICATIONS

Aircraft/Aerospace

Deburring edges and blending mill marks on aluminum skins for fuselage/wings.

Food Service

Blend and finish stainless steel kitchen components.

Automotive

Grind and blend spot welds on galvanized steel auto frames.

General Fabrication

Grinding and blending stainless/aluminum.

PRODUCT FEATURES

- No smearing on titanium and stainless steel
- Grinds and finishes in one step
- Smooth controlled grinding action
- Non loading on aluminum, kevlar and other composites
- Long life
- Superior surface finishing
- Outlasts coated quick change discs by a minimum 10:1 saving you time and money!

Diameter		Max RPM	Box Qty.
inch	mm		
1	25	40,000	25
1-1/2	38	30,000	25
2	50	30,000	25
3	75	20,000	25

• Button Type:



Type R



Type S

• Grain Size:

A24*, A36, A54, A80, A120, A180+, A320+

• Grain Type:

Aluminum Oxide, Silicon Carbide

• Specification:

XF - Extra Flexible
F - Flexible
M - Medium (stiff)

* available in medium bond only

+ available in flexible bond only



TIP!

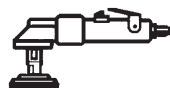
QC Disc specifications should be ordered one or two grain sizes coarser than standard resin fiber discs. Example: A80 grit coated disc should be substituted with A54 or coarser, QC Disc.

For optimum use: use 2" pad with 3" disc and 1-1/2" pad with 2" disc. Rubber holder pads available on page 26.



In-stock item

Popular In-stock items	Part No.
2" Type R A24M	500101
2" Type R A36F	500082
2" Type R A54F	500083
2" Type R A80F	500084
3" Type R A24M	500141
3" Type R A36F	500122
3" Type R A54F	500123
3" Type R A80F	500124
3" Type R A120F	500125



Portable Grinder

Other items may be in stock. Please call to check availability.

Mini Flap Quick Change Discs



Zirconia

Designed for controlled grinding, blending and finishing.

PRODUCT FEATURES

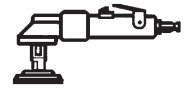
- Unique flap design for flexibility
- Small diameter for access into small areas
- Quick lock system for easy product changeover
- Long life compared with resin fiber discs

PRIMARY APPLICATIONS

- Blending and finishing on stainless steel, aluminum and mild steel
- Removing machine tool marks
- General cleaning
- Contouring

Rubber holder pads available on page 26. In stock and ready to ship.

Diameter		Max RPM	Grit	Part No.	Box Qty.	Diameter		Max RPM	Grit	Part No.	Box Qty.
inch	mm					inch	mm				
2	50	30,000	CRS	896000	10/50	3	75	20,000	CRS	896004	10/50
2	50	30,000	MED	896001	10/50	3	75	20,000	MED	896005	10/50
2	50	30,000	FINE	896002	10/50	3	75	20,000	FINE	896006	10/50
2	50	30,000	VFINE	896003	10/50	3	75	20,000	VFINE	896007	10/50



Portable Grinder



In-stock item

Available with only Type R fasteners. Type S available with special order only.

Megabrite Surface Conditioning Quick Change Discs

Non-woven surface conditioning Quick Change discs designed for light grinding, blending, cleaning and finishing.

PRIMARY APPLICATIONS

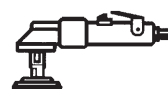
- A-CRS (Brown) - light grinding, stock removal, weld splatter and scale removal
- A-MED (Red) - remove scratches, pits and corrosion
- A-VFINE (Blue) - blending and finishing

FOR USE ON

Stainless Steel, Aluminum, Sheet Metal, Exotic Metals

Type S by request only.

Grit - Aluminum Oxide							
Diameter		Type	A-CRS (Brown)	A-MED (Red)	A-VFINE (Blue)	Max RPM	Box Qty.
inch	mm						
2	50	R	720000	720001	720002	30,000	50
3	75	R	720003	720004	720005	20,000	25



Portable Grinder



In-stock item

Aluminator

Cut Off Wheels for Aluminum

Designed for cutting aluminum fast without clogging.

PRODUCT FEATURES

- Fast cut
- Non-loading

PRIMARY USE

- Cutting Aluminum

PRIMARY APPLICATIONS

- Cutting tube, pipe, rails and sheet metal
- Trim castings



Type 1 Straight Wheels

Diameter		Max RPM	Part No.	Box Qty.
inch	mm			
4" x .045" x 5/8"	100 x 1.1 x 16	15,000	800200	50
4.5" x .045" x 7/8"	115 x 1.1 x 22.2	13,300	800201	50
5" x .045" x 7/8"	125 x 1.1 x 22.2	12,200	800202	50
6" x .045" x 7/8"	152 x 1.1 x 22.2	10,200	800203	25



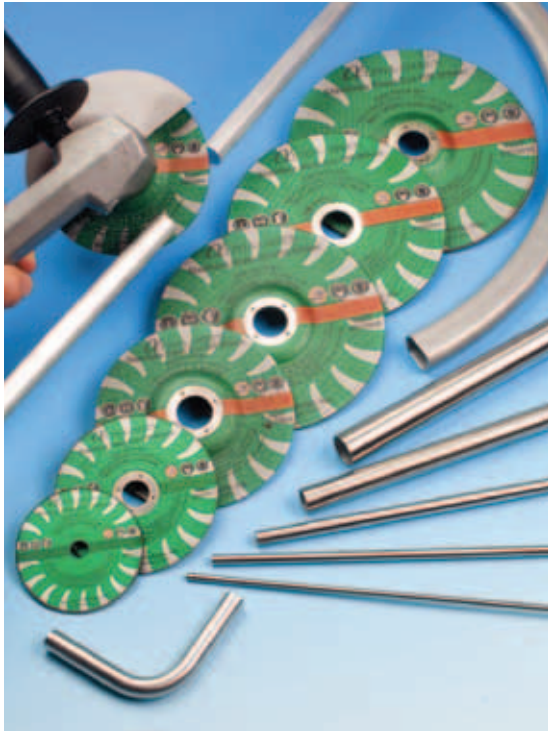
Type 27 Depressed Center Wheels

Diameter		Max RPM	Part No.	Box Qty.
inch	mm			
4.5" x .045" x 7/8"	115 x 1.1 x 22.2	13,300	800300	50
5" x .045" x 7/8"	125 x 1.1 x 22.2	12,200	800301	50
6" x .045" x 7/8"	152 x 1.1 x 22.2	10,200	800302	25
7" x 1/16" x 7/8"	178 x 1.6 x 22.2	8,600	800303	25



In-stock item

ALPHA-GREEN Stainless Steel Cut-Off Wheels



Designed for extremely fast and cool cutting action. Excellent for stainless steel cutting applications on pipe, tubing, rod and sheet metal.

Type 1 Straight Sided Wheels					
Diameter x Thickness x Arbor		Specification	Max RPM	Part No.	Box Qty.
inch	mm				
3 x .040 x 1/4	75 x 1 x 6	A60-INOX-BF	25,100	860010	50
3 x .045 x 1/4	75 x 1.1 x 6	A46-INOX-BF	25,100	860011	50
3 x .040 x 3/8	75 x 1 x 10	A60-INOX-BF	25,100	860000	50
3 x .045 x 3/8	75 x 1.1 x 10	A46-INOX-BF	25,100	860001	50
4 x .040 x 3/8	100 x 1 x 10	A60-INOX-BF	15,000	860012	50
4 x .045 x 3/8	100 x 1.1 x 10	A46-INOX-BF	15,000	860013	50
4 x .040 x 5/8	100 x 1 x 16	A60-INOX-BF	15,000	860002	50
4 x .045 x 5/8	100 x 1.1 x 16	A46-INOX-BF	15,000	860003	50
4.5 x .040 x 7/8	115 x 1 x 22.2	A60-INOX-BF	13,300	860004	50
4.5 x .045 x 7/8	115 x 1.1 x 22.2	A46-INOX-BF	13,300	860005	50
5 x .040 x 7/8	125 x 1 x 22.2	A60-INOX-BF	12,200	860006	50
6 x .040 x 7/8	152 x 1 x 22.2	A60-INOX-BF	10,200	860008	25
6 x .045 x 7/8	152 x 1.1 x 22.2	A46-INOX-BF	10,200	860009	25

SPECIFICATIONS

A60-INOX-BF

- Aluminum Oxide 60 grit
- Stainless steel formula
- .040" thickness
- For extremely fast cutting
- Cuts cooler
- Thin profile produces less of an exit bur

A46-INOX-BF

- Aluminum Oxide 46 grit
- Stainless steel formula
- Reinforced resinoid
- .045" thickness
- For fast cutting
- Longer life



Die Grinder

Type 27 Depressed Center Wheels					
Diameter x Thickness x Arbor		Specification	Max RPM	Part No.	Box Qty.
inch	mm				
4 x .040 x 5/8	100 x 1 x 16	A60-INOX-BF	15,000	870002	50
4 x .045 x 5/8	100 x 1.1 x 16	A46-INOX-BF	15,000	870003	50
4.5 x .040 x 7/8	115 x 1 x 22.2	A60-INOX-BF	13,300	870004	50
4.5 x .045 x 7/8	115 x 1.1 x 22.2	A46-INOX-BF	13,300	870005	50
5 x .040 x 7/8	125 x 1 x 22.2	A60-INOX-BF	12,200	870006	50
6 x .040 x 7/8	152 x 1 x 22.2	A60-INOX-BF	10,200	870008	25
7 x 1/16 x 7/8	178 x 1.6 x 22.2	A46-INOX-BF	8,600	870010	25



Angle Grinder



In-stock item

Cotton Fiber Finishing Sticks



Round and square sticks offer a gentle finishing action with controlled deburring. Deburr and finish in one step.

PRIMARY APPLICATIONS

Artillery/Weapons

Spin finish, deburr

Aircraft/Aerospace

Edge break, deburr and finish engine parts.

Tools and Die

Deburr and finish

Specifications			
Abrasive:	"A" Aluminum Oxide "C" Silicon Carbide		
Grain Sizes:	54, 80, 120, 180, 320		
Grades and Bonds:	GFX - Soft JTX - Medium MTX - Hard		
Round		Square	
inch	mm	inch	mm
3/16 x 4	5 x 100	3/16 x 3/16 x 4	5 x 5 x 100
1/4 x 4	6 x 100	1/4 x 1/4 x 4	6 x 6 x 100
3/8 x 4	10 x 100	3/8 x 3/8 x 4	10 x 10 x 100
1/2 x 4	13 x 100	1/2 x 1/2 x 4	13 x 13 x 100
6" (152mm) Lengths Available			

Other sizes available upon request

Accessories



Circle Cool Back-up Pads

- Includes Pad and Nut
- Wrench sold separately
- Part No. 740005



Quick Change Disc Holders

- For use with our cotton fiber quick change and mini flap discs



General Purpose Mandrels

- For use with T1 straight sided wheels
- Shank x Arbor
- 1/8 x 1/8 – Part No. 740001
- Set: 1/4 x 1/4
- 1/4 x 3/8 – Part No. 740000
- 6mm – Part No. 740010



Threaded Mandrels 1/4 x 3/4"

- For use with small unitized wheels
- Overall length 1-7/8"
- Part No. 740023



T27 Reusable Adapter Kits

- Use in place of a throw-away adapter
- 4-1/2" kit – Part No. 740003
- 7", 9" kit – Part No. 740004

TYPE R		1/4" Shank	6mm
inch	mm		
1"	25	580000	580020
1-1/2"	38	580001	580021
2"	50	580002	580022
3"	75	580003	580023
TYPE S		1/4" Shank	6mm
inch	mm		
1"	25	580004	580024
1-1/2"	38	580005	580025
2"	50	580006	580026
3"	75	580007	580027



In-stock items



Grind and Blend Kits

For weld grinding and surface preparation on stainless steel and aluminum. Each kit includes a 4-1/2" Sigma Green wheel, and a 4-1/2" Cotton Fiber wheel.

4-1/2" x 7/8" Kit	115mm x 22.2mm	Part No. 740032
4-1/2" x 5/8"-11 Kit	N/A	Part No. 740031

*See page 29 for contents



Cotton Fiber Quick Change Kits

Available in 2" and 3" diameters with Type R or Type S fasteners. Each kit includes 8 discs in various grit sizes.

2" Type R Kit	Part No. 590014
2" Type S Kit	Part No. 590015
3" Type R Kit	Part No. 590016
3" Type S Kit	Part No. 590017
50mm Type R Kit (6mm)	Part No. 590020
75mm Type R Kit (6mm)	Part No. 590025

*See page 29 for contents



Mounted Point Combi Kits

Mounted Point Combi Kits include an assortment of popular cotton fiber and unitized mounted points. Both provide excellent control and finishes.

1/8" Spindle Kit	Part No. 300010
1/4" Spindle Kit	Part No. 300009
3mm Spindle Kit	Part No. 300010M
6mm Spindle Kit	Part No. 300009M

*See page 29 for contents



MX PLUS Kit

An assortment of larger mounted point shapes for metal fabrication applications. Kit includes 7 pcs. of popular shapes for blending and finishing.

1/4"	Part No. 810999
6mm	Part No. 810999M

*See page 29 for contents

Kits



Wheel Refinishing Kit

with 1/4" (6mm) spindles only

Designed to clean, remove road rash, and finish alloy wheels. Not designed for final polishing. Includes 6 non-woven mounted points in a variety of shapes and grits, and 6 - 2" non-woven quick change discs in coarse, medium, and very fine grits. Also, includes 1 - 2" Type R rubber holder.

1/4"	6mm	Part No. 740043
------	-----	------------------------

*See page 29 for contents



Stainless Steel Kit

For grinding, blending, and cutting stainless steel. Each kit includes a Sigma Green wheel, a T27 Cotton Fiber wheel, and 4 Alpha Green Cutoff wheels.

4-1/2"	115mm	Part No. 740039
5"	125mm	Part No. 740040

*See page 29 for contents



Sigma Screen Kit

Multi purpose kit for a variety of applications on metal, fiberglass, and wood. Includes 8 - 4-1/2" discs. 2 each of CRS, MED, FN, and VFN with one back-up pad.

4-1/2"	115mm	Part No. 753000
--------	-------	------------------------

*See page 29 for contents



Counter Top Carbide Bur Display

Includes a variety of burs in double cut and non-ferrous cut styles. May be ordered with 64 or 32 pcs.

64 pcs.	Part No. 880997
32 pcs.	Part No. 880998

*See page 29 for contents



4pc. 1/4" Shank Aluminum Cut Bur Kit

Part No. 880995

8pc. 1/4" Shank Double Cut Bur Kit

Part No. 880996

12pc. 1/8" Shank Double Cut Bur Kit

Part No. 880994

*See page 29 for contents

Kit Contents and Part Numbers

Grind and Blend Kits

Part No. 740032

includes:

- 1 ea. 4-1/2" x 3/16" x 7/8" T27 A54GFX
- 1 ea. 4-1/2" x 7/8" 36g Grit Sigma Green

Part No. 740031

includes:

- 1 ea. 4-1/2" x 3/16" x 5/8"-11 T27 A54GFX
- 1 ea. 4-1/2" x 5/8"-11 36 grit Sigma Green

Cotton Fiber Quick Change Kits – 2" and 3" TR and TS

Part No. 590014, 590015, 590016, 590017, 590020, 590025

includes: A24M, A36F, A54F, A80FL, A120F, Holder

Mounted Point Combi Kits

Part No. 300010 (1/8") and Part No. 300010M (3mm)

300009 (1/4") and Part No. 300009M (6mm)

includes : 1 each

- A15 A80MTX
- B52 A80MTX
- B52 A80GFX
- B52 SCFN Soft Unitized
- B121 A120GFX
- W163 A80MTX
- W163 A120GFX
- W163 SCFN Soft Unitized
- W177 A80MTX
- W177 A80GFX
- W177 SCFN Soft Unitized
- W185 A80GFX
- W185 SCFN Soft Unitized

MX Plus Kits

Part No. 810999 (1/4") and Part No. 810999M (6mm)

includes: 1 each

- A3 CRS grit
- A5 MED grit
- A12 CRS grit
- A25 CRS grit
- B52 MED grit
- W177 MED grit
- W220 CRS grit

Wheel Refinishing Kit - 1/4" spindles

Part No. 740043

includes:

- 1 ea. A12 Mounted Point Med. Grey
- 1 ea. A12 Mounted Point Fine Green
- 1 ea. W185 Mounted Point Med. Grey
- 1 ea. W185 Mounted Point Fine Green
- 1 ea. W177 Mounted Point Med. Grey
- 1 ea. W177 Mounted Point Fine Green
- 2 ea. 2" CRS Surface Conditioning Disc Type R
- 2 ea. 2" Med Surface Conditioning Disc Type R
- 2 ea. 2" Very FN Surface Conditioning Disc Type R
- 1 ea. 2" Type R Holder

Stainless Steel Kits

Part No. 740039

includes:

- 1 ea. 4-1/2" x 7/8" / 115 x 22.2 Sigma Green 36 grit
- 1 ea. 4-1/2" x 3/16" x 7/8" / 115 x 4.8 x 22.2 T27 A36GFX
- 4 ea. 4-1/2" x .040 x 7/8" / 115 x 1.0 x 22.2 T27 60 grit Alpha Green Cut-Off wheel

Part No. 740040

includes:

- 1 ea. 5" x 7/8" / 125 x 22.2 Sigma Green 36 grit
- 1 ea. 5" x 3/16" x 7/8" / 125 x 4.8 x 22.2 T27 A36GFX
- 4 ea. 5" x .040 x 7/8" / 125 x 1.0 x 22.2 T27 60 grit Alpha Green Cut-Off wheel

Sigma Screen Kit

Part No. 753000 – 4-1/2" only

includes:

- 2 ea. CRS, MED, FINE and VERY FINE grits
- 1 ea. Back up pad

Counter Top Carbide Bur Display - 1/4" Shanks

Part No. 880997 (64pc.) and Part No. 880998 (32pc.)

includes:

Double Cut and Aluminum Cut Burs

SCTI	Description
SA-1 DC	1/4 x 3/4 x 1/4
SA-3 DC	3/8 x 3/4 x 1/4
SA-5 DC	1/2 x 1 x 1/4
SB-1 DC	1/4 x 3/4 x 1/4
SB-3 DC	3/8 x 3/4 x 1/4
SB-5 DC	1/2 x 1 x 1/4
SC-1 DC	1/4 x 3/4 x 1/4
SC-3 DC	3/8 x 3/4 x 1/4
SC-5 DC	1/2 x 1 x 1/4
SD-1 DC	1/4 x 1/4 x 1/4
SD-3 DC	3/8 x 3/8 x 1/4
SD-5 DC	1/2 x 1/2 x 1/4
SE-1 DC	1/4 x 3/8 x 1/4
SE-3 DC	3/8 x 5/8 x 1/4
SE-5 DC	1/2 x 7/8 x 1/4
SF-1 DC	1/4 x 3/4 x 1/4
SF-3 DC	3/8 x 3/4 x 1/4
SF-5 DC	1/2 x 1 x 1/4
SG-1 DC	1/4 x 3/4 x 1/4
SG-3 DC	3/8 x 3/4 x 1/4
SG-5 DC	1/2 x 1 x 1/4
SL-1 DC	1/4 x 3/4 x 1/4
SL-3 DC	3/8 x 1-3/16 x 1/4
SL-5 DC	5/8 x 1-5/16 x 1/4
SM-1 DC	1/4 x 3/4 x 1/4
SM-4 DC	3/8 x 5/8 x 1/4
SM-5 DC	1/2 x 1 x 1/4
SA-5NF	1/2 x 1 x 1/4
SC-5NF	1/2 x 1 x 1/4
SD-5NF	1/2 x 1/2 x 1/4
SF-5NF	1/2 x 1 x 1/4
SL-4NF	1/2 x 1-1/4 x 1/4

4pc. 1/4" Shank Aluminum Cut Bur Kit

Part No. 880995

includes: 1 each

SCTI	Description
SA-5NF	1/2 x 1 x 1/4
SC-5NF	1/2 x 1 x 1/4
SD-5NF	1/2 x 1/2 x 1/4
SF-5NF	1/2 x 1 x 1/4

8pc. 1/4" Shank Double Cut Bur Kit

Part No. 880996

includes: 1 each

SCTI	Description
SA-5 DC	1/2 x 1 x 1/4
SC-3 DC	3/8 x 3/4 x 1/4
SC-5 DC	1/2 x 1 x 1/4
SF-3 DC	3/8 x 3/4 x 1/4
SF-5 DC	1/2 x 1 x 1/4
SL-4 DC	1/2 x 1-3/16 x 1/4
SD-5 DC	1/2 x 1/2 x 1/4
SG-3 DC	3/8 x 3/4 x 1/4

12pc. 1/8" Shank Double Cut Bur Kit

Part No. 880994

SCTI	Description
SA-43 DC	1/8 x 1/2 x 1/8
SA-51 DC	1/4 x 1/2 x 1/8
SC-42 DC	1/8 x 1/2 x 1/8
SC-51 DC	1/4 x 1/2 x 1/8
SF-42 DC	1/8 x 1/2 x 1/8
SF-51 DC	1/4 x 1/2 x 1/8
SL-42 DC	1/8 x 9/16 x 1/8
SM-42 DC	1/8 x 3/8 x 1/8
SM-51 DC	1/4 x 1/2 x 1/8
SD-51 DC	1/4 x 1/4 x 1/8
SG-44 DC	1/8 x 1/2 x 1/8
SG-51 DC	1/4 x 1/2 x 1/8

Grinding Wheel Safety Guide

The following safety information should be used only as a guide for the Rex-Cut range of products.

1. Check all wheels for cracks or other damage before mounting.
2. Check machine speeds against maximum operating speed of the wheel.
3. Be sure that the wheel bore, threaded or unthreaded, fits machine arbor properly and that flanges are clean, flat and of the proper type for the wheel you are mounting.
4. Run the wheel in a protected area at least one minute before grinding.
5. Wheels must be properly guarded.
6. Wear protective safety glasses or a proper face shield.
7. Do not use wheels which have been dropped or otherwise damaged.
8. Do not use excessive pressure when mounting wheels between flanges. Tighten nut sufficiently to hold wheel firmly.
9. Do not use heavy side grinding pressure on any Type 1 straight sided wheel.
10. Do not mount more than one wheel on a single arbor.

Storage

Rex-Cut Wheels should be stacked flat, not on their edges, in a dry area.

General Technical Data – Metals

Stainless Steel Grades

- 304 - Low carbon
- 304L - Extra low carbon
- 309/309S - High temperature strength and scale resistance
- 310/310S - Similar to 309 with higher alloy content
- 316 - Best corrosion resistance
- 316L - Extra low carbon variation of 316
- 321 - Stabilized with titanium for welds subject to severe corrosion
- 410/410S - Low cost general purpose stainless. Used where corrosive environment isn't severe
- 430 - A non-hardening straight chromium grade

Standard Sheet Finishes

- No. 3 - An intermediate polished surface obtained with approx. 100 grit
- No. 4 - A polished surface obtained with approx. 120-150 grit
- No. 6 - A dull satin finish
- No. 7 - A highly reflective finish
- No. 8 - Very high reflective mirror like surface obtained by polishing and buffing.

RMS and RA Finishes

	RMS	RA	Cotton Fiber Abrasive spec. required to achieve this finish
No. 3	30-45	25-40	A54GFX
No. 4	18-30	15-25	A80GFX
No. 6	14-20	12-18	A120 - A180GFX
No. 7	5-9	4-8	A320GFX
No. 8	1-5	0-4	

Aluminum Grades

Non-heat treatable alloys

- 1100 - The purest aluminum alloy excellent for forming
- 3003 - This alloy is similar to 1100 with higher strength
- 5005 - Anodizing quality with excellent corrosion resistance
- 5052 - Good forming, welding and corrosion resistance
- 5086 - High strength superior atmospheric corrosion resistance
- 5456 - Highest strength alloy of the non-treatable grades

Heat treatable alloys

- 2024 - High strength alloy with fair workability and machining qualities
- ALCLAD 2024 - The high strength of 2024 with excellent corrosion resistance.
- 6061 - Good strength and workability. The best alloy for anodizing.
- 7075 - Very high strength and hardness. Good machining characteristics
- ALCLAD 7075 - The high strength of 7075 with good corrosion resistance



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