



REX-CUT ABRASIVES

Grind. Blend. Debur. Finish.

Time Saving Solutions

PRODUCT CATALOG 2015/2016



253725-64
Rex-Cut
A80 • GFX
MAX 12095 RPM
MADE IN USA

Type 27 Blending
Type 27 - Blending
MAX RPM 11,200
4-1/2" x 5/8" x 1/8"
Part No. 971000
4-1/2" x 5/8" x 1/8"
Part No. 971002

REX-CUT ABRASIVES
www.rexcut.com

Type 27 Max Flex
Type 27 - Flexible
MAX RPM 11,200
4-1/2" x 5/8"
Part No. 971000
4-1/2" x 5/8" x 1/8"
Part No. 971002

REX-CUT ABRASIVES
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SIGMA GREEN MAX
36 Grit
MAX RPM 11,200
4-1/2" x 5/8" x 1/8"
Part No. 971000
4-1/2" x 5/8" x 1/8"
Part No. 971002

REX-CUT ABRASIVES
www.rexcut.com

HISTORY

2011: Rex-Cut
Changed Company
name to "Rex-Cut
Abrasives"

2008: Rex-Cut became
a 100 percent
employee owned
ESOP Company

1975: Rex-Cut
began selling
finished products
direct to
distributors

1969: Company name
changed to Rex-Cut
Products, Inc.

1935: Operated
under the name
United Cotton
Products and sold
fabric to major
abrasive
manufacturers

1928: A non-woven,
abrasive impregnated
cotton fabric was
invented by Edward
Hurst at United
Drug and Chemical
Company in
Fall River, MA

ABRASIVES ENGINEERED TO SAVE TIME

Rex-Cut Abrasives 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 material, uniquely impregnated with abrasive grit. This process has been refined over time and continues to be the foundation of our specialized cotton fiber abrasive product line.

Rex-Cut continues 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. Supplying the metalworking industry with premium products is our mission.

Refer to the current version of American National Standards Institute (ANSI) B7.1, *Safety Requirements for the Use, Care and Protection of Abrasive Wheels*, or contact us directly at 800-225-8182 with any questions you might have regarding usage of any of our abrasive products.



MADE IN THE USA

Rex-Cut Cotton Fiber products are constructed with our signature abrasive material which is manufactured exclusively in our Fall River plant, making all of our cotton fiber products **Made in the USA.**



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COTTON FIBER ABRASIVES

DESCRIPTION

Rex-Cut Abrasives cotton fiber products are manufactured with laminates of non-woven abrasive impregnated cotton fabric. Varying hardnesses are available to produce products suitable for use on stainless steel, aluminum, mild steel, as well as exotics.

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

APPLICATIONS

Industries using cotton reinforced abrasive products include aircraft, aerospace, ship building, jewelry, tool and die, automotive, food processing, dairy, medical, firearms, petro chemical, cutlery, and general fabrication.

Rex-Cut's line of cotton abrasives meets a wide range of grinding, blending, and finishing needs. Our product line includes: **Mounted Points, Type 1, Type 27, Quick Change Discs, and Sticks.**

ADVANTAGES

Fast, One Step Finishing

The composition of our abrasive products enables grinding and finishing in one operation. They consistently reduce finishing from two or three steps, to just one.

Versatility

Cotton fiber abrasives are used on a wide range of applications making them one of the most versatile abrasive tools. With a range of hard to soft bonds available, cotton fiber products can also be tailored for your specific application.

Cool Cutting Action

Our unique construction continually exposes new abrasive grain during the grinding process resulting in a cooler operation.

Smooth, Quiet Action

The composition of cotton fiber abrasives creates a resilient, smooth running, and quiet product. With its soft, cushion-like grinding action, any tendency toward vibration and chatter is reduced.

Non-Loading

Unlike most bonded or coated abrasives, cotton fiber 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 easily dressed down and utilized on other applications.

MATERIAL SPECIFICATIONS

STANDARD MARKING SPECIFICATIONS

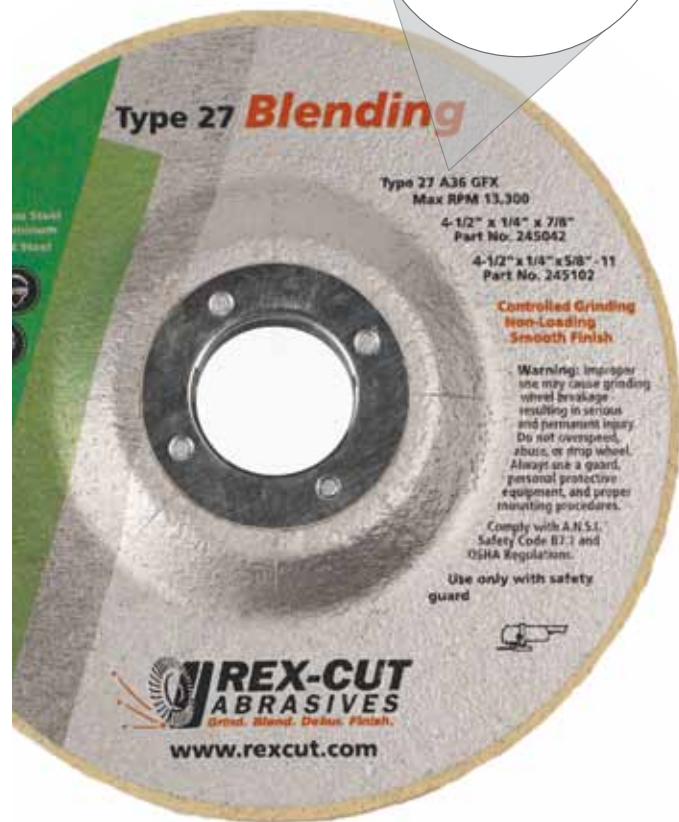
Type of Grain	
A	Aluminum oxide
C	Silicon carbide

BOND	
GFX	Soft
JTX	Medium
MTX	Hard
NTX	Very hard
IGX	For specialty applications

GRAIN SIZE	
16, 24, 36	Coarse
54, 80	Medium
120, 180	Fine
320*	Very fine

*available only in aluminum oxide

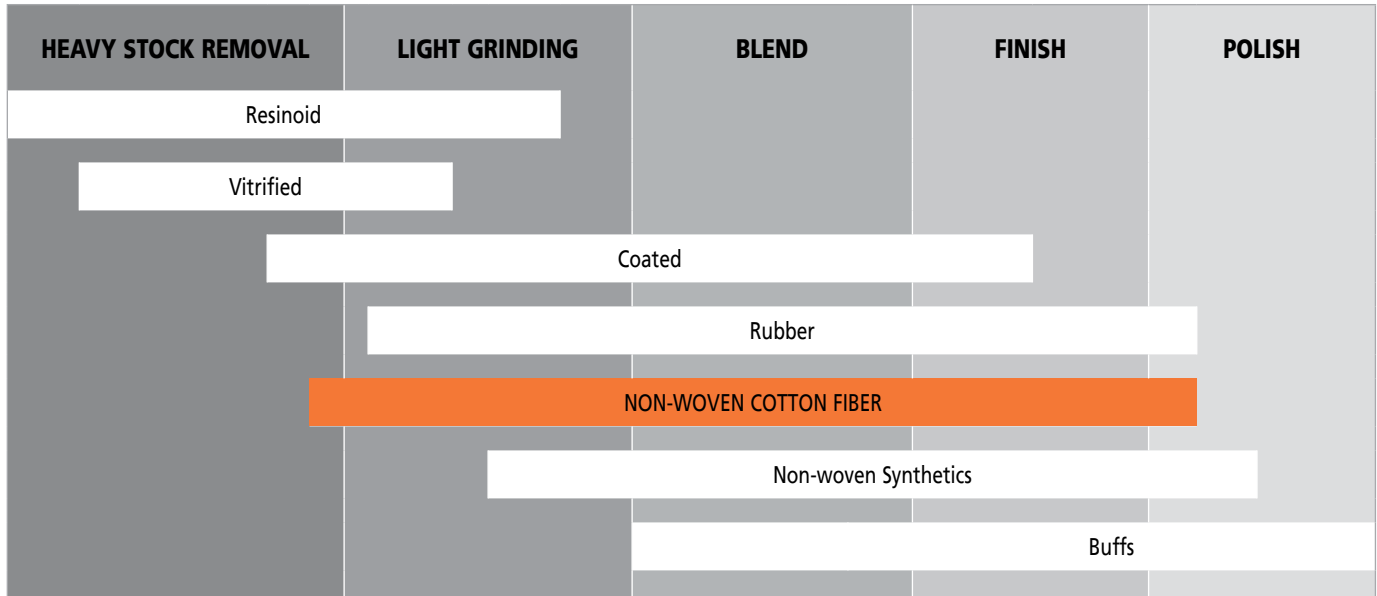
Reading Wheel Specification:
A36 GFX



CLOSER LOOK INTO BONDS

Bond	Description
GFX	Soft, flexible synthetic latex bond for light deburring, blending, and finishing in one single operation
JTX	Medium resin bond for light deburring, long life
MTX	Hard resin bond for light to medium stock removal, long life
NTX	Very hard resin bond for medium stock removal, long life

GRINDING WHEEL SPECTRUM



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.

PRODUCT COMPARISON CHART

Competitive Specifications			Rex-Cut Abrasives
EXL 8A XCoarse	811	NEX 8AXC	A36 GFX Smooth Touch AO Coarse
EXL 8A Coarse		NEX 8AC	
CP 7A Coarse			
CP 9A Coarse	911	NEX 6AM	A54 GFX Smooth Touch AO Medium
CP 5A Medium	721	NEX 8AM	
CP 7A Medium	821		
EXL 6A Medium			
EXL 8A Medium			A80 GFX Smooth Touch AO Fine
CP 9A Medium	921	NEX 6AF	
CP 5A Fine	731	NEX 8AF	
CP 7A Fine	831		
EXL 6A Fine	931		
EXL 8A Fine			Smooth Touch SC Coarse C54 GFX Smooth Touch SC Medium
CP 7S Medium		NEX 7SXC	
CP 9S Medium		NEX 6SM	
EXL 6S Medium		NEX 7SM	
EXL 8S Medium		NEX 8SM	C80 GFX Smooth Touch SC Fine
CP 9S Medium	632	NEX 6SF	
CP 7S Fine	732	NEX 7SF	
EXL 6S Fine		NEX 8SF	
EXL 8S			

NON-WOVEN COTTON FIBER VS. SYNTHETIC PRODUCT COMPARISON

Synthetic Wheel Density Range						
2	4	5	6	7	8	9
SOFT		MEDIUM			HARD	
		Smooth Touch			Rex-Cut GFX	
		←→			←→	

MOUNTED POINTS

COTTON FIBER MOUNTED POINTS



DESCRIPTION

Rex-Cut Mounted Points are made from our signature abrasive materials designed for blending, deburring, and finishing machined and cast parts.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

APPLICATIONS BY INDUSTRY

- **Aircraft/Aerospace:** Chamfer, debur, and finish engine components
- **Automotive:** Debur, chamfer, and finish machined/cast parts
- **Tool & Die:** Clean, debur, repair, and finish
- **Fabrication:** Corner blending, edge breaking, I.D. and O.D. debur and blend
- **Jewelry:** Remove parting lines and finish castings

SPECIFICATIONS

Grit Type	
A	Aluminum oxide
C	Silicon carbide
Grain Size	
24, 36	Coarse
54, 80	Medium
120, 180	Fine
320*	Very fine
Grades/Bonds	
GFX	Soft, for light deburring and blending
JTX	Medium, for light deburring with longer life
MTX	Hard, for light to medium stock removal

* Available only in aluminum oxide

FEATURES

- Debur and finish in one step
- Controlled metal removal without changing part geometry
- Long life
- Smooth, chatter free operation
- Superior surface finishing on stainless and aluminum
- Non-loading on aluminum, brass, and other non-ferrous metals

SPECIALTY SHAPE - SEAT TRACK CLEANER



This unique mounted point shape was designed by Rex-Cut to fit perfectly into aircraft seat track grooves to remove dirt and grime from the top, bottom, and sides in one action.

AVAILABILITY

Rex-Cut's signature mounted points are available in many shape, grain, and bond options to fit your application needs. Please see the specifications chart above for Grain/Bond combinations and the shape chart on pages 7 and 8 for shape availability.

COMMON APPLICATION & SPECS

Application	Aluminum/ Non Ferrous	Stainless Steel	Exotics	Mild Steel
Debur	A80-A120MTX	A80-A120MTX	C54IGX	A80MTX
Edge Break	A80MTX	A54MTX	C54MTX	A54MTX
I.D. Polish	A120-A180GFX	A120-A180GFX	C180GFX	A80GFX
I.D. Chamfer	A80MTX	A54MTX, A80MTX	C54MTX	A54MTX
Corner Blend	A54GFX, A80GFX	A36-A54GFX	C54IGX	A54MTX

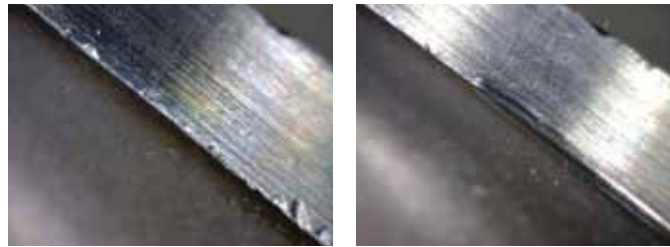
POPULAR POINTS

Popular Shapes
B52
W163
W177
W185
W220
Popular Grit
80
120
180

REX-CUT POINTS LEAVE RADIUS EDGE

Rex-Cut points create an arch when finishing edges, instead of a bevel. This rounded edge is useful when finishing precision parts used in high stress applications. The rounded edge helps distribute pressure more evenly.

Here are close up photos of before and after a W163 A80 MTX Mounted Point was used on a high nickel alloy turbine blade.



IN-STOCK ITEMS

Description	Part #
B52 D1 A80 GFX	320904
W163 D1 A120 GFX	332305
W163 D1 A80 GFX	332304
W176 D1 A80 GFX	333804
W177 D1 A80 GFX	334204
W185 D1 A80 GFX	335504
W.75 x .098 D2 A54 Seat Track Cleaner	350029
W.75 x .098 D2 A80 Seat Track Cleaner	350030

D1 = 1/8" x 1-1/2" mandrel
 D2 = 1/4" x 1-1/2" mandrel
 Other items may be in stock. Please call to check availability.

RESOURCES

For a free downloadable mounted point shape chart, visit rexcut.com/mpchart

To watch a video showing these points running, as well as a brief tutorial on the bonds available for our mounted points, visit www.rexcut.com/points

For help selecting the right mounted point for an application, visit our blog post www.rexcut.com/mpselection



In-stock item



Die Grinder



RUBBER MOUNTED POINTS



DESCRIPTION

Rex-Cut Rubber Mounted Points are made with a formula combining aluminum oxide grain and calendar synthetic rubber which has high tensile strength and is tear resistant. These synthetic mounted points have a softer bond compared to natural rubber and are used mostly for deburring and polishing metals.

METALS

- Stainless steel
- Exotic metals
- Mild steel
- Aluminum
- Brass

APPLICATIONS BY INDUSTRY

- **Edge Breaking** to remove sharp edges on sheet metal.
- **Light Deburring** to remove visible and microscopic burrs without impacting surrounding areas
- **Cleaning** to remove undesirable surface deposits.
- **Polishing and Smoothing** to improve performance, appearance, cleanliness, and to lessen the dangers of surface contamination.

SPECIFICATIONS

Grain Size	Color Coding
Coarse	Red
Medium	White
Fine	Blue

FEATURES

- Formula combining aluminum oxide grain with calendar synthetic rubber
- High tensile strength
- Tear resistant
- Softer compared to natural rubber

AVAILABILITY

Rubber Mounted Points are available in coarse, medium, and fine grits in many shapes to fit your application. Please see the shape chart on pages 7 and 8 for shape availability.

RESOURCES

For a free downloadable mounted point shape chart, visit www.rexcut.com/mpchart



TIME SAVING TIP - SHEET METAL

To dull edges on sheet metal, shape W222 in Medium is the most common point used. Using this rubber point will allow you to dull the edge in one run instead of breaking the edge on the top and then bottom of the sheet metal separately.

Using your die grinder with the point, simply run the point over the edge of the sheet metal. This process will round the edge of the metal and create a groove in the point.

As the groove in the mounted point wears, just move down the point to create a new groove, and so on.

To view this process online step-by-step, visit our blog post www.rexcut.com/w222points



Die Grinder



MEGABRITE UNITIZED MOUNTED POINTS



DESCRIPTION

Rex-Cut Unitized Mounted Points are made by combining Non-Woven Nylon with Resin and either Aluminum Oxide or Silicon Carbide to produce a versatile and resilient abrasive option for your deburring, blending, and finishing needs.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

APPLICATIONS

- Debur machined parts
- Blending minor tool marks
- Debur and polish orthopedic implants and medical tools
- Polishing molds and dies
- Polishing engine parts
- Reapplying satin finishes on stainless steel

SPECIFICATIONS

Grit Types

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

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

For Shape Charts and RPMs, see pages 7 and 8.

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

AVAILABILITY

Megabrite Unitized Mounted Points are available in many shape, grain, and bond options to fit your application needs. Please see the specifications chart to the left for grain/bond combinations, and the shape chart on pages 7 and 8 for shape availability.

FEATURES

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



MEGABRITE SELECTION TIPS

For **Light Deburring & Blending**, use Medium grade with high RPMs and moderate pressure.

For **Decorative Finishing**, use Medium to Fine grade with low RPMs and moderate pressure.

For **Polishing**, use Fine to Very Fine grade with high RPMs and low pressure.

Use soft bonds when extra resilience is needed.

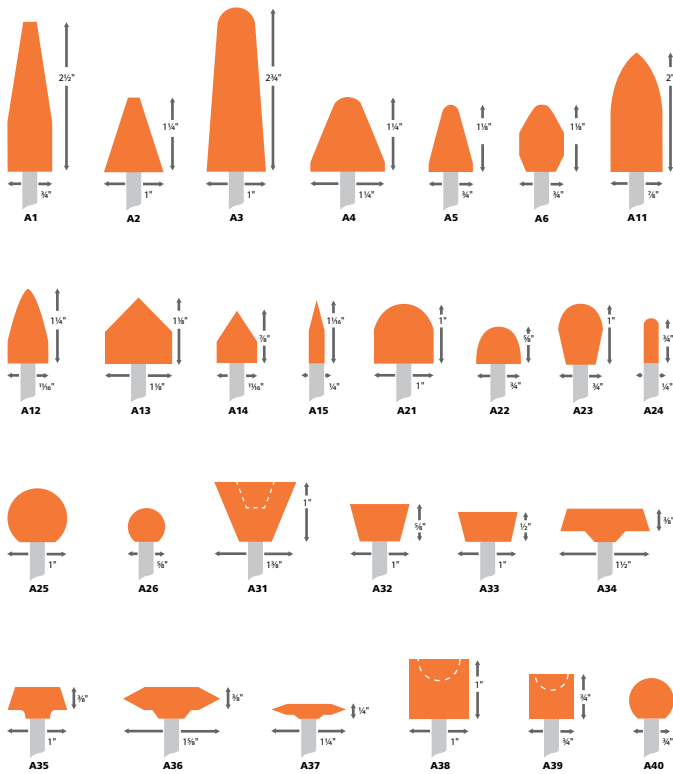


Die Grinder

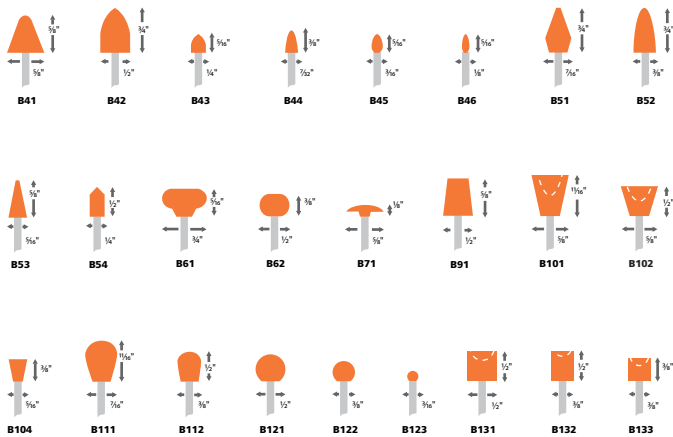


SHAPE CHARTS

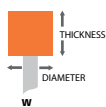
A SHAPES



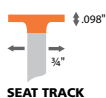
B SHAPES



W SHAPES



SEAT TRACK CLEANER SHAPE



MAXIMUM OPERATING SPEED (RPM)

A SHAPES - 1/4" & 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	19,800	16,100
A2	1 x 1-1/4	25 x 32	32,420	26,190
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
A6	3/4 x 1-1/8	19 x 29	38,550	29,700
A11	7/8 x 2	22 x 50	19,860	15,100
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	34,500	26,250
A22	3/4 x 5/8	19 x 16	46,120	37,960
A23	3/4 x 1	19 x 25	39,370	30,370
A24	1/4 x 3/4	6 x 19	56,000	46,400
A25	1 x 1	25 x 25	35,510	27,370
A26	5/8 x 5/8	16 x 16	48,980	40,410
A31	1-3/8 x 1	35 x 25	27,780	23,970
A32	1 x 5/8	25 x 16	38,200	33,480
A33	1 x 1/2	25 x 13	38,200	35,460
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
A38	1 x 1	25 x 25	34,500	26,250
A39	3/4 x 3/4	19 x 19	44,030	35,250
A40	3/4 x 3/4	19 x 19	44,030	35,250

B SHAPES - 1/8" & 3MM MANDRELS

Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	* 1/2" Overhang	1" Overhang
B41	5/8 x 5/8	16 x 16	33,750	23,250
B42	1/2 x 3/4	13 x 19	33,750	23,250
B43 •	1/4 x 5/16	6 x 8	76,160	46,200
B44	7/32 x 3/8	6 x 10	68,400	42,370
B45 •	3/16 x 5/16	5 x 8	79,600	49,650
B46 •	1/8 x 5/16	3 x 8	83,530	53,580
B51	7/16 x 3/4	11 x 19	45,370	28,500
B52	3/8 x 3/4	10 x 19	45,370	28,500
B53	5/16 x 5/8	8 x 16	60,000	37,120
B54 •	1/4 x 1/2	6 x 13	60,000	38,020
B61	3/4 x 5/16	19 x 8	38,250	24,370
B62	1/2 x 3/8	13 x 10	41,020	26,400
B71	5/8 x 1/8	16 x 3	61,120	43,970
B91	1/2 x 5/8	13 x 16	34,500	22,500
B101	5/8 x 11/16	16 x 17	33,750	23,250
B102	5/8 x 1/2	16 x 13	45,370	28,500
B104	5/16 x 3/8	8 x 10	68,400	42,370
B111	7/16 x 11/16	11 x 17	33,750	23,250
B112	3/8 x 1/2	10 x 13	45,370	28,500
B121	1/2 x 1/2	13 x 13	45,370	28,500
B122	3/8 x 3/8	10 x 10	61,650	37,720
B123 •	3/16 x 3/16	5 x 5	84,720	54,760
B131	1/2 x 1/2	13 x 13	34,500	22,500
B132	3/8 x 1/2	10 x 13	45,370	28,500
B133	3/8 x 3/8	10 x 10	54,000	33,000

B SHAPES - 1/4" & 6MM MANDRELS

Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	* 1/2" Overhang	1" Overhang
B41	5/8 x 5/8	16 x 16	61,120	43,020
B42	1/2 x 3/4	13 x 19	61,120	46,500
B51	7/16 x 3/4	11 x 19	72,630	49,420
B52	3/8 x 3/4	10 x 19	78,340	54,370
B61	3/4 x 5/16	19 x 8	50,930	45,120
B62	1/2 x 3/8	13 x 10	71,250	47,620
B91	1/2 x 5/8	13 x 16	61,500	42,000
B101	5/8 x 11/16	16 x 17	61,120	43,940
B102	5/8 x 1/2	16 x 13	61,120	42,770
B111	7/16 x 11/16	11 x 17	66,000	46,500
B112	3/8 x 1/2	10 x 13	80,200	54,370
B121	1/2 x 1/2	13 x 13	69,310	45,850

W SHAPES - 1/8" & 3MM MANDRELS

Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	* 1/2" Overhang	1" Overhang
W144 •	1/8 x 1/4	3 x 6	92,460	64,500
W145 •	1/8 x 3/8	3 x 10	84,190	59,390
W146 •	1/8 x 1/2	3 x 13	76,820	53,550
W153 •	3/16 x 3/8	5 x 10	73,880	49,890
W154 •	3/16 x 1/2	5 x 13	66,580	44,130
W160 •	1/4 x 1/4	6 x 6	75,330	50,640
W161 •	1/4 x 5/16	6 x 8	71,150	45,970
W162 •	1/4 x 3/8	6 x 10	67,210	42,370
W163 •	1/4 x 1/2	6 x 13	59,990	38,020
W164 •	1/4 x 3/4	6 x 19	45,900	29,300
W167	5/16 x 1/4	8 x 6	70,060	45,750
W168	5/16 x 5/16	8 x 8	65,900	41,770
W169	5/16 x 3/8	8 x 10	61,650	37,720
W170	5/16 x 1/2	8 x 13	52,500	33,000
W171	5/16 x 3/4	8 x 19	37,120	25,130
W173	3/8 x 1/8	10 x 3	74,960	50,360
W174	3/8 x 1/4	10 x 6	65,510	41,250
W175	3/8 x 3/8	10 x 10	54,000	33,000
W176	3/8 x 1/2	10 x 13	45,370	28,500
W177	3/8 x 3/4	10 x 19	33,750	21,690
W178	3/8 x 1	10 x 25	26,250	15,870
W182	1/2 x 1/8	13 x 3	66,810	43,650
W183	1/2 x 1/4	13 x 6	51,750	31,870
W184	1/2 x 3/8	13 x 10	41,020	26,400
W185	1/2 x 1/2	13 x 13	34,500	22,500
W186	1/2 x 3/4	13 x 19	26,250	15,900
W187	1/2 x 1	13 x 25	20,620	10,370
W191	5/8 x 1/8	16 x 3	58,870	34,500
W192	5/8 x 1/4	16 x 6	43,120	27,370
W193	5/8 x 3/8	16 x 10	32,250	23,020
W194	5/8 x 1/2	16 x 13	29,400	19,020
W195	5/8 x 3/4	16 x 19	22,120	10,840
W196	5/8 x 1	16 x 25	16,240	5,610
W200	3/4 x 1/8	19 x 3	50,930	32,640
W201	3/4 x 1/4	19 x 6	38,250	24,370
W202	3/4 x 3/8	19 x 10	30,600	19,500
W203	3/4 x 1/2	19 x 13	25,500	14,040
W204	3/4 x 3/4	19 x 19	18,210	6,150
W211	7/8 x 1/8	22 x 3	43,650	27,420
W212	7/8 x 1/4	22 x 6	33,750	20,090
W213	7/8 x 3/8	22 x 10	27,000	14,220
W215	1 x 1/8	25 x 3	38,200	22,340
W216	1 x 1/4	25 x 6	30,060	15,150

W SHAPES - 1/4" & 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
W182	1/2 x 1/8	13 x 3	51,190	40,810
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	30,370	22,140
W189	1/2 x 2	13 x 50	24,000	18,440
W194	5/8 x 1/2	16 x 13	42,190	32,330
W195	5/8 x 3/4	16 x 19	38,220	28,630
W196	5/8 x 1	16 x 25	34,670	25,340
W197	5/8 x 2	16 x 50	21,000	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	24,000	18,400
W211	7/8 x 1/8	22 x 3	43,650	35,800
W212	7/8 x 1/4	22 x 6	43,650	33,590
W215	1 x 1/8	25 x 3	38,200	34,730
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
W219	1 x 3/4	25 x 19	33,920	24,520
W220	1 x 1	25 x 25	25,500	19,120
W221	1 x 1-1/2	25 x 38	19,120	14,620
W222	1 x 2	25 x 50	15,900	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	30,520	22,500
W230	1-1/4 x 1-1/4	32 x 32	20,400	15,900
W232	1-1/4 x 2	32 x 50	14,250	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	22,500	17,620
W238	1-1/2 x 1-1/2	38 x 38	15,600	12,000
W242	2 x 1	50 x 25	19,100	15,590

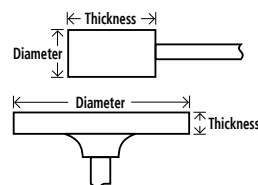
SEAT TRACK CLEANER - 1/4" & 6MM MANDRELS

Shape No.	Diameter x Thickness		Maximum RPM Ratings	
	inch	mm	* 1/2" Overhang	1" Overhang
SEAT TRACK	3/4 x .098	19 x 2.5	33,750	23,250

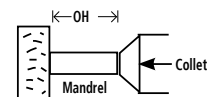
* Standard mandrel / recommended overhang

• Not available in Rubber or Megabrite. Other shapes might not be available in all materials. All points with 1/8" diameter are made oversized.

Shape Measurement Guide



Standard Mandrel Recommended Overhang



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

TYPE 1 STRAIGHT WHEELS

TYPE 1 COTTON FIBER DEBURRING WHEELS



DESCRIPTION

Rex-Cut Type 1 wheels are manufactured with our signature abrasive materials designed for blending, deburring, and finishing.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

APPLICATIONS BY INDUSTRY

- **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:** Radius and blend weld seams, corner blending, and edge breaking.
- **Oil Field Repair/Maintenance:** Pipe thread maintenance and repair.

Ideal for use on robotic applications.

FEATURES

- Grind and finish or debur and finish in one operation
- Smooth controlled grinding action
- Remove burs without changing part geometry
- **5x or more life** vs. non-woven synthetic fiber wheels
- No smearing or back transfer on stainless steel and exotic alloys

SPECIFICATIONS

Grit Type	
A	Aluminum oxide
C	Silicon carbide
Grain Size	
16, 24, 36	Coarse
54, 80	Medium
120, 180	Fine
320*	Very fine
Grades/Bonds	
GFX	Soft, for light deburring and blending
JTX	Medium, for light deburring with longer life
MTX	Hard, for light to medium stock removal

* Available only in aluminum oxide

AVAILABILITY

Diameter x Thickness x ID		Max Safe RPM	
inch	mm	JTX & MTX bonds	GFX 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 1/8 x 3/8	75 x 3 x 10	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 GFX bond

COMMON APPLICATION & SPECS

Application	Aluminum/ Non Ferrous	Stainless Steel	Exotics	Mild Steel
Debur	A80-A120MTX	A54-A80MTX	C54IGX	A80MTX
Edge Break	A80GFX, A80MTX	A54-A80MTX	C54MTX	A54MTX
Corner Blend	A54GFX, A80GFX	A36-A54GFX	C54MTX	A54MTX
Pipe Thread Cleaning	---	---	---	A54GFX, A54JTX
Gear Deburring	A80MTX, A120MTX	---	---	A54-A320MTX

TIP

Rex-Cut Cotton Fiber Type 1 wheels can be shaped to better clean or debur grooves such as pipe threads. A shape can be created by running a wheel and pressing each side of the wheel against a diamond dresser to form each side.

To watch a video of this process being done, visit www.rexcut.com/pipethread

RESOURCES

To download a pdf guide that matches frequently used Rex-Cut Type 1 wheels to common applications, visit www.rexcut.com/t1



Die Grinder



HIGH SPEED TYPE 1 COTTON FIBER WHEELS



DESCRIPTION

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

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

PRIMARY APPLICATIONS

- **Oil Field Repair/Maintenance:** Deburr and clean pipe thread
- **Automotive:** Blend and finish brazing in assembly plants.

SPECIFICATIONS

Bonds	
Soft	For light deburring and finishing
Hard	Most aggressive bond for deburring with long life
Grit	
Coarse	
Medium	
Fine	
Very Fine	

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

AVAILABILITY

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
<hr/>		
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
<hr/>		
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

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



TIP

Rex-Cut High Speed Cotton Fiber Type 1 wheels can be shaped to better clean or deburr grooves such as pipe threads. A shape can be created by running a wheel and pressing each side of the wheel against a diamond dresser to form each side. To watch a video of this process being done, visit

www.rexcut.com/pipethread



Die Grinder



SMOOTH TOUCH BLENDING AND FINISHING WHEELS



DESCRIPTION

Designed to offer a greater amount of flexibility and operator feel when compared to our standard line of cotton fiber Type 1 products. Excellent at finishing edges of cast or machined parts without changing part geometry.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

APPLICATIONS

- Light grinding
- Light deburring
- Blending
- Finishing
- Polishing

SPECIFICATIONS

Grain Size	Color Coding
Coarse	Green
Medium	Red
Fine	Yellow

AVAILABILITY

Diameter x Thickness x ID		Maximum RPM			Optimum RPM
inch	mm	COARSE 54 Grit	MEDIUM 80 Grit	FINE 120 Grit	All Grits
2 x 1/8 x 1/4	50 x 3 x 6	26,500	30,000	30,000	12,000
2 x 1/8 x 3/8	50 x 3 x 10	26,500	30,000	30,000	12,000
2 x 1/4 x 1/4	50 x 6 x 6	21,500	24,000	24,000	12,000
2 x 1/4 x 3/8	50 x 6 x 10	21,500	24,000	24,000	12,000
2-1/2 x 1/8 x 1/4	65 x 3 x 6	21,500	24,000	24,000	10,000
2-1/2 x 1/8 x 3/8	65 x 3 x 10	21,500	24,000	24,000	10,000
2-1/2 x 1/4 x 1/4	65 x 6 x 6	17,500	19,000	19,000	10,000
2-1/2 x 1/4 x 3/8	65 x 6 x 10	17,500	19,000	19,000	10,000
3 x 1/8 x 1/4	75 x 3 x 6	18,000	20,000	20,000	10,000
3 x 1/8 x 3/8	75 x 3 x 10	18,000	20,000	20,000	10,000
3 x 1/4 x 1/4	75 x 6 x 6	14,500	16,000	16,000	10,000
3 x 1/4 x 3/8	75 x 6 x 10	14,500	16,000	16,000	10,000
4 x 1/8 x 1/4	100 x 3 x 6	14,000	15,500	15,500	8,000
4 x 1/8 x 3/8	100 x 3 x 10	14,000	15,500	15,500	8,000
4 x 1/4 x 1/4	100 x 6 x 6	11,500	12,500	12,500	8,000
4 x 1/4 x 3/8	100 x 6 x 10	11,500	12,500	12,500	8,000
6 x 1/8 x 1/4	150 x 3 x 6	6,000	6,000	6,000	2,500
6 x 1/8 x 3/8	150 x 3 x 10	6,000	6,000	6,000	2,500
6 x 1/4 x 1/4	100 x 6 x 6	6,000	6,000	6,000	2,500
6 x 1/4 x 3/8	100 x 6 x 10	6,000	6,000	6,000	2,500

Additional ID sizes are available upon request.



Photo courtesy of AV&R Vision & Robotics

TESTIMONIAL

"While choosing an abrasive to use in a robotic deburring cell to finish the edge of a turbine blade, the *Smooth Touch* wheel outperformed non-woven nylon wheels significantly. It was able to obtain the desired finish without changing the part geometry as measured by a laser sensor."

- Normand Stoycheff,
Robotic Finishing Expert at
AV&R Vision & Robotics

TIP

While in use, allow the wheels to do the work without applying too much pressure. Too much pressure will cause the wheel to generate unwanted heat and potential back transfer. Use optimum speed for best results.

RESOURCES

To watch a demo video of Smooth Touch in action, visit www.rexcut.com/smoothtouch



Die Grinder



Bench Grinder



TYPE 1 COTTON FIBER LARGE DIAMETER WHEELS



DESCRIPTION

Rex-Cut Type 1 Large Diameter Grinding Wheels are manufactured with our signature abrasive materials and are designed for blending, deburring, and finishing.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

APPLICATIONS BY INDUSTRY

- **Jewelry:** Chamfer, debur, blend, and finish (available in split and beveled)
- **Cutlery:** Fork tining and finishing
- **Aircraft/Aerospace:** Grind, debur, and finish engine parts
- **Food Service:** Debur edges on pots and pans/kitchen equipment
- **Automotive:** Debur and finish machined/cast parts. Blend and finish brazing in assembly plants.
- **Tool and Die:** Repair and maintenance

SPECIFICATIONS

Grain Type	
A	Aluminum oxide
C	Silicon carbide
Grain Size	
Coarse	24, 36
Medium	54, 80
Fine	120, 180
Very Fine	320*
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

*available only in aluminum oxide

FEATURES

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



Bench Grinder



AVAILABILITY

Diameter x Thickness x ID		Max Safe RPM	
inch	mm	JTX & MTX bond	GFX bond
5 x 1/8 x 3/8	125 x 3 x 10	10,850	7,260
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
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
7 x 1/8 x 1/2	178 x 3 x 13	7,750	5,185
7 x 1/8 x 5/8	178 x 3 x 16	7,750	5,185
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 all sizes available in all bonds, please call for details.

MEGABRITE UNITIZED WHEELS - TYPE 1 & CONVOLUTE



DESCRIPTION

Megabrite Unitized Type 1 and Convolute Wheels compliment our cotton fiber product line by offering the next step in blending, finishing, and polishing applications.

Manufactured by compressing a non-woven web with specialized resin and grain, Megabrite wheels are high performance finishing products that offer the flexibility and conformability needed in many sensitive deburring and polishing applications.

METALS

- Stainless steel
- Aluminum
- Exotic alloys
- Mild steel
- Brass

FEATURES

- Long life
- No smearing
- No gouging
- Flexible/conforming
- Uniform finish
- Smooth finishes
- Non-loading

SPECIFICATIONS

Application Requirements	Wheel Density		
	2-3	4-6	7-9
Aggressive	Low	Medium	High
Wheel Longevity	Low	Medium	High
Flexibility	High	Medium	Low
Surface Finish	Very Fine	Fine	Medium

Grain Type	Grain Size
A - Aluminum Oxide	CRS - Coarse
S - Silicon Carbide	MED - Medium
	FN - Fine

Product Type	
XL	Debur & Finish: light deburring, polishing, and radiusing
BP	Blend & Polish: for heavier deburring, more aggressive stock removal

KEY MARKETS

- Aircraft/Aerospace
- Mold and Die
- Machine Shops
- Electronics
- Medical



Die Grinder



Bench Grinder



AVAILABILITY

Megabrite wheels are available in a wide range of densities and grades. Use the specifications chart as a guide to determine which density to use. Sizing charts for Type 1 and Convolute are below.

TIP

Megabrite Wheels can be shaped or profiled for working on precision machined and cast parts. Ideal for those hard to reach areas. They provide long life and consistent finishes on hard metals without smearing.

TYPE 1

Diameter x Thickness		Maximum RPM			
inch	mm	XL2	XL4	XL6	XL8
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	N/A	N/A	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	12,000	12,000	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

BP maximum RPMs available on request. Other sizes and grades available on request.

CONVOLUTE

Dimensions		XL	XL	XL	XL	Max
inch	mm	7SFN	8AMED	8SFN	9SFN	RPM
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.

TYPE 27 GRINDING & BLENDING WHEELS

TYPE 27 COTTON FIBER GRINDING & BLENDING WHEELS



DESCRIPTION

Rex-Cut Type 27 wheels are manufactured with our signature abrasive materials designed for grinding and blending in one step.

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass

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

SPECIFICATIONS

Bonds	
GFX	Blending Synthetic latex bond used for blending and finishing applications on stainless steel and aluminum. It resists loading and is resilient for smooth operation on stainless steel tanks, vessels, and other fabrications.
MTX	Grinding Tough resin bond used for light or medium weld removal. The resin bond provides a faster cut rate. It also resists loading on aluminum and offers excellent results on all non-ferrous materials.
Grain Size	
A24, A36, A54, A80	

AVAILABILITY

Diameter	Thickness	Arbor Holes	Max RPM	Box Qty.
3	1/8, 3/16, 1/4	3/8	18,000	10/25
4	1/8, 3/16, 1/4	3/8, 5/8	15,300	10/25
4-1/2	1/8, 3/16, 1/4	7/8	13,300	10/25
5	3/16, 1/4	7/8	12,200	10/25
7	3/16*, 1/4	7/8	8,500	10/25
9	3/16*, 1/4	7/8	6,600	10/25

*Available in GFX only

Available with 5/8 - 11 throw away adapters
Reusable adapter kits are available, see Page 30





COMMON APPLICATION & SPECS

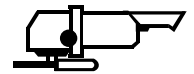
Application	Aluminum/ Non Ferrous	Stainless Steel	Mild Steel
Grinding	A24MTX	A36GFX	A24MTX
Blending	A54GFX	A36GFX	A36GFX
Finishing	A80GFX	A54GFX	A36GFX
Beveling	A36MTX	A36GFX	A24MTX
Weld Prep	A36MTX	A36GFX	A24MTX

POPULAR IN-STOCK ITEMS

Description	Part No.	Part No. With Adapters
4-1/2 x 1/4 x 7/8 A36GFX	245042	245102
7 x 1/4 x 7/8 A36GFX	270042	270102
4-1/2 x 1/4 x 7/8 A24MTX	245051	245111
4-1/2 x 1/4 x 7/8 A54GFX	245043	
4-1/2 X 1/8 X 7/8 A36 GFX	245002	



In-stock item



Angle Grinder

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



TYPE 27 MAX FLEX COTTON FIBER WHEELS



DESCRIPTION

This flexible grinding/blending wheel is the newest addition to our cotton fiber line. Max Flex is constructed to give the user wide contact area, allowing for optimum blending control as well as a very consistent finish.

This easy to use wheel also offers longer life compared to flap discs.

METALS

- Aluminum
- Stainless steel
- Exotic metals
- Mild steel
- Brass

FEATURES

- Naturally non-loading and excels on aluminum
- Blending and finishing on both flat and contoured surfaces
- Blend and finish with one disc
- The true flexibility leads to better surface finish
- Consistent finish throughout life of wheel
- No backing that could gouge work surface
- Cool grinding action

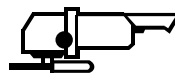
AVAILABILITY

Diameter x Arbor		Grit	Max RPM	Part No.
inch	mm			
4-1/2 x 7/8	115 x 22.2	A36	13,300	891000
4-1/2 x 7/8	115 x 22.2	A54	13,300	891001
4-1/2 x 5/8 - 11	N/A	A36	13,300	891002
4-1/2 x 5/8 - 11	N/A	A54	13,300	891003
5 x 7/8	125 x 22.2	A36	12,200	891030
5 x 7/8	125 x 22.2	A54	12,200	891031
5 x 5/8 - 11	N/A	A36	12,200	891032
5 x 5/8 - 11	N/A	A54	12,200	891033
7 x 7/8	178 x 22.2	A36	8,500	891100
7 x 7/8	178 x 22.2	A54	8,500	891101
7 x 5/8 - 11	N/A	A36	8,500	891102
7 x 5/8 - 11	N/A	A54	8,500	891103

Available in GFX only



In-stock item



Angle Grinder





COMMON APPLICATION & SPECS

Application	Aluminum/ Non Ferrous	Stainless Steel	Mild Steel
Grinding	A36 Max Flex	---	---
Blending	A54 Max Flex	A36-A54 Max Flex	A36 Max Flex
Finishing	A54 Max Flex	A54 Max Flex	A36 Max Flex

TIP

- Excellent as second step after Sigma Green
- Use at a 45° angle for increased cut
- Use at a 30° angle for smoother finish
- Use in place of flap discs for longer life

RESOURCES

To see what Max Flex can do, visit www.rexcut.com/maxflex for a quick demo video.

SIGMA GREEN GRINDING WHEELS



DESCRIPTION

Sigma Green is an aggressive grinding wheel manufactured with a specialty grain and bond combination resulting in a better finish compared to standard "fast grinding" wheels. This is achieved by constructing Sigma Green with a layer of coarse grain and a second layer of finer grain.

This bond also results in a better balanced, noticeably quieter, and much smoother running grinding wheel, with less chatter and less vibration.

AVAILABILITY

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	46	730008	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	46	730017	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

METALS

- Stainless steel
- Mild steel
- Hard face
- Titanium
- Alloys
- Aluminum

VIRTUALLY IRON FREE

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



APPLICATIONS

- Tank fabrication
- Power plant maintenance and repair
- Welding/metal fabrication
- Shipbuilding
- Refinery maintenance and repair

FEATURES

- High performance grain
- Fast stock removal
- Superior finish
- Grinds smooth and quiet
- Minimizes operator fatigue
- Controlled grinding
- Cool cutting
- Won't discolor or warp stainless
- Reduces labor rates

SURFACE FINISH COMPARISON

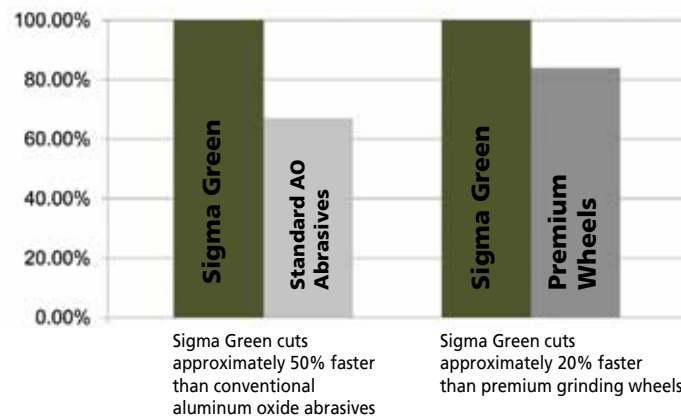
Measured in micro-inches for a value of RA (roughness average)

Grit Size	RA*	Sigma RA**
36	185 - 205	100
46	170 - 195	90
60	140 - 180	80

*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.

SIGMA GREEN CUT RATE



RESOURCES

To see the fast grinding ability of Sigma Green, visit www.rexcut.com/sigmagreen to watch a demo video.



In-stock item



Angle Grinder

NEW - SIGMA GREEN MAX GRINDING WHEELS



DESCRIPTION

For a longer life option, we are now offering the new 1/4" thick Sigma Green Max.

This fast grinding wheel has the same specialty grain and bond combination as the original Sigma Green, but with the added benefit of a thicker wheel.

Even with the added thickness, the Sigma Green Max still is noticeably quieter and better balanced than other similar 1/4" wheels on the market.

AVAILABILITY

Diameter x Arbor		Max RPM	Grit Size	Part No.	Box Qty.
inch	mm				
4-1/2 x 1/4 x 7/8	115 x 6 x 22.2	13,300	36	739100	20
4-1/2 x 1/4 x 5/8 - 11	N/A	13,300	36	739150	10
5 x 1/4 x 7/8	125 x 6 x 22.2	12,200	36	739101	20
5 x 1/4 x 5/8 - 11	N/A	12,200	36	739151	10
7 x 1/4 x 7/8	178 x 6 x 22.2	8,500	36	739103	20
7 x 1/4 x 5/8 - 11	N/A	8,500	36	739153	10

TIP

Follow Sigma Green or Sigma Green Max with Max Flex 54 grit to achieve a #4 finish.

METALS

- Stainless steel
- Mild steel
- Hard face
- Titanium
- Alloys
- Aluminum

VIRTUALLY IRON FREE

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

APPLICATIONS

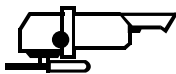
- Tank fabrication
- Power plant maintenance and repair
- Welding/metal fabrication
- Shipbuilding
- Foundries

FEATURES

- High performance grain
- Fast stock removal
- Superior finish
- Grinds smooth and quiet
- Minimizes operator fatigue
- Controlled grinding
- Cool cutting
- Won't discolor or warp stainless
- Reduces labor rates



In-stock item



Angle Grinder



CUT-OFF WHEELS

ALPHA-GREEN CUT-OFF WHEELS FOR STAINLESS STEEL



DESCRIPTION

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

METALS

INOX formula is specialized for stainless steel, but Alpha-Green Cut-Off Wheels can be used on all types of steel.

SPECIFICATIONS

A60-INOX-BF

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

A46-INOX-BF

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



In-stock item



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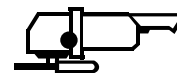
AVAILABILITY

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



Die Grinder



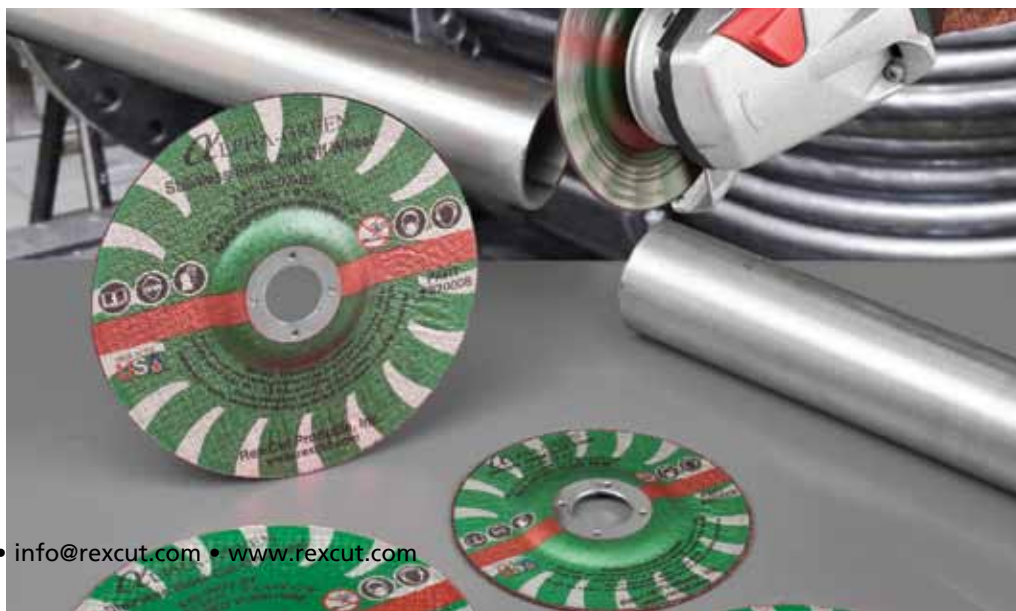
Angle Grinder

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



ALUMINATOR CUT-OFF WHEELS FOR ALUMINUM



DESCRIPTION

Designed for cutting aluminum quickly without clogging.

METALS

Aluminum or other non-ferrous metals

FEATURES

- Fast cutting
- Non-loading

APPLICATIONS

- Cutting pipe, tubing, rod, and sheet metal
- Trim castings



In-stock item



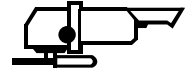
AVAILABILITY

Type 1 Straight Sided Wheels

Diameter x Thickness x Arbor		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



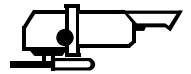
Die Grinder



Angle Grinder

Type 27 Depressed Center Wheels

Diameter x Thickness x Arbor		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



Angle Grinder



DEPRESSED CENTER FLAP & UNITIZED WHEELS

FUSION INTERLEAF FLAP DISCS



DESCRIPTION

The combination of a premium coated abrasive layer over non-woven surface conditioning material is what makes Fusion a superior flap disc.

Fusion easily grinds and finishes a weld in one operation.

The grain size is calibrated in order to match a #4 finish.

METALS

- Stainless steel
- Aluminum
- Mild steel
- Brass

APPLICATIONS

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

AVAILABILITY

Diameter x Arbor		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



TIP

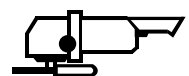
While working on stainless steel with a satin finish, run this product in the same direction as the scratches to match the grain.

RESOURCES

Fusion Medium is the first step in our Stainless Steel Tube Finishing Kits. To watch our how-to finish tube and railing corner videos and see Fusion in action, visit www.rexcut.com/polish for polish finish or, www.rexcut.com/satin for satin finish.



In-stock item



Angle Grinder

SIGMA CERAMIC FLAP DISCS



DESCRIPTION

Standard density Type 29 Ceramic Flap Discs are designed for aggressive grinding and controlled stock removal on stainless steel, mild steel, and exotics.

FEATURES

- Rapid stock removal
- Controlled grinding action
- Longer life vs. aluminum oxide flap discs

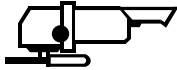
AVAILABILITY

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

5/8"-11 adaptors available upon request.



In-stock item



Angle Grinder

MEGABRITE FINISHING FLAP DISCS



DESCRIPTION

Megabrite Finishing Flap Discs are designed for general surface preparation and finishing on stainless steel and aluminum. The layered flaps provide better control and longer life.

APPLICATIONS

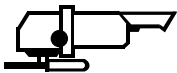
- Cleaning
- Deburring
- Blending
- Finishing

AVAILABILITY

Diameter x Arbor		CRS Brown	MED Maroon	VFINE Blue	Max RPM	Optimum RPM	Box Qty.
inch	mm						
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



Angle Grinder

MEGABRITE TYPE 27 UNITIZED WHEELS



DESCRIPTION

Megabrite Type 27 Unitized Wheels with fiberglass backing provide excellent operator control and long life.

AVAILABILITY

Diameter x Arbor		Max RPM	Optimum RPM	Grade	Grit	Part No.	Box Qty.
inch	mm						
4-1/2 x 7/8	115 x 22.2	11,000	4,000	A - CRS	120	843000	5
4-1/2 x 7/8	115 x 22.2	11,000	4,000	S - MED	180	843001	5
4-1/2 x 7/8	115 x 22.2	11,000	4,000	S - VERY FINE	240	843002	5
5 x 7/8	125 x 22.2	9,800	3,600	A - CRS	120	844000	5
5 x 7/8	125 x 22.2	9,800	3,600	S - MED	180	844001	5
5 x 7/8	125 x 22.2	9,800	3,600	S - VERY FINE	240	844002	5

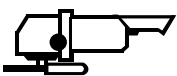
APPLICATIONS

- Scale removal
- Weld surface prep
- Edge breaking
- Light deburring and flash removal
- Blemish and corrosion removal
- Polishing stainless steel
- Surface prep before painting

5/8"-11 adaptors available upon request.



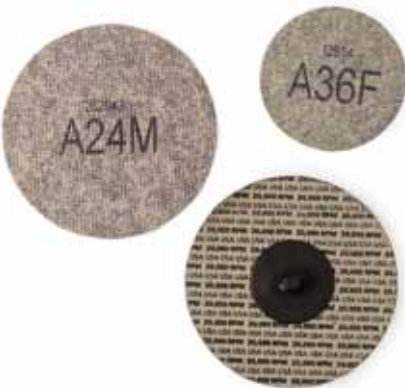
In-stock item



Angle Grinder

QUICK CHANGE DISCS

COTTON FIBER QUICK CHANGE DISCS



DESCRIPTION

Removes small welds, blend machine tool marks, debur, break edges, and finish with our Cotton Fiber Quick Change Discs.

METALS

- Stainless steel
- Aluminum
- Exotics
- Mild steel

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

FEATURES

- Outlasts coated quick change discs by a minimum of 10:1
- 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



COMMON APPLICATION & SPECS

Application	Aluminum/Non Ferrous	Stainless Steel	Exotics	Mild Steel
Grinding	A24M, A36F	A24M	C24M	A24M
Blending	A54F, A80F	A36F, A54F	C36F	A36F, A54F
Beveling	A24M	A24M	C24M	A24M
Corner Blending	A36F	A36F	C36F	A24M, 36F
Finishing	A80F, A120F	A120F, A180F	C54F, C80F	A54F, A80F

AVAILABILITY

Diameter		Max RPM	Box Qty.
inch	mm		
2	50	30,000	25
3	75	20,000	25

Button Type



Grain Type

Aluminum Oxide & (Silicon Carbide)

Grain Size

24*, 36, 54, 80, 120, 180+, 320+

Range

XF	Extra Flexible
F	Flexible
M	Medium (stiff)

* available in medium bond only

+ available in flexible bond only

Smaller sizes available on request

POPULAR IN-STOCK ITEMS

Description	Part No.
2" Type R A24M	500101
2" Type R A36F	500082
2" Type R A54F	500083
2" Type R A80F	500084
2" Type R A120F	500085
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

Other items may be in stock.

Please call to check availability.

TIPS

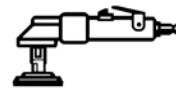
Cotton Fiber Quick Change Discs should be ordered one or two grain sizes coarser than coated abrasive discs. Example: A80 grit coated disc should be substituted with A54 or coarser Cotton Fiber Quick Change Disc.

For optimum flexibility and life, use 2" pad with 3" disc and 1-1/2" pad with 2" disc. Rubber holder pads available on page 30.

May also be used on edge when necessary.



In-stock item



Right Angle Die Grinder

MINI FLAP QUICK CHANGE DISCS



DESCRIPTION

Zirconia grain Mini Flap Quick Change Discs are designed for controlled grinding, blending, and finishing.

APPLICATIONS

- Blending and finishing
- Removing machine tool marks
- General cleaning
- Contouring

METALS

- Stainless steel
- Aluminum
- Mild steel

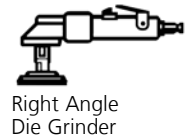
FEATURES

- 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

AVAILABILITY

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

Available with only Type R fasteners. Type S available with special order only. Rubber holder pads available on page 30. In stock and ready to ship



MEGABRITE SURFACE CONDITIONING QUICK CHANGE DISCS



DESCRIPTION

Aluminum oxide grain Megabrite Surface Conditioning Quick Change Discs are designed for light grinding, blending, cleaning, and finishing.

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

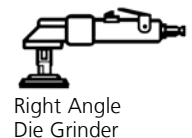
METALS

- Stainless steel
- Aluminum
- Sheet metal
- Exotic metals

AVAILABILITY

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

Type S by request only.



FINISHING STICKS

COTTON FIBER FINISHING STICKS



DESCRIPTION

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

METALS

- Stainless steel
- Aluminum
- Exotic metals
- Mild steel
- Brass



APPLICATIONS

Artillery/Weapons

Spin finish, debur

Aircraft/Aerospace

Edge break, debur, and finish engine parts

Tools and Die

Debur and finish

AVAILABILITY

Shape

Round  Half  Square 

inch	mm
1/8 x 4	3 x 100
3/16 x 4	5 x 100
1/4 x 4	6 x 100
3/8 x 4	10 x 100
1/2 x 4	13 x 100

6" (152 mm) Lengths Available

Other sizes available upon request

Grain Type

A	Aluminum Oxide
C	Silicon Carbide

Grain Size

54, 80, 120, 180, 320

Bonds

GFX	Soft
JTX	Medium
MTX	Hard



SPECIALTY KITS

STAINLESS STEEL TUBE FINISHING KIT - SATIN



DESCRIPTION

Customized kit designed to grind and apply a satin finish on tubes and rails in just 3 steps.

Includes all the products you need from weld removal to the final # 4 food grade finish.

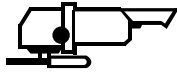


METALS

- Stainless steel



In-stock item



Angle Grinder

RESOURCES

To watch a how to video on using our Satin Finish Kit, visit www.rexcut.com/satin

SATIN KIT - PART NO. 749000

Component Description	dimensions	Part No.	quantity in Kit
Fusion Med Disc	4-1/2" x 7/8"	894001	1
Unitized 2SFN Disc	4-1/2" x 7/8"	898500	1
Tex-Belt AOFINE	1-1/2" x 23"	898600	

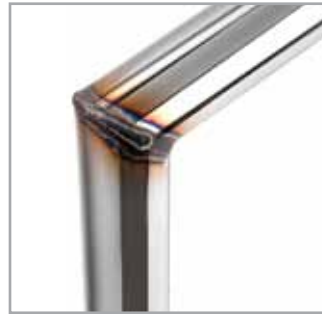
STAINLESS STEEL TUBE FINISHING KIT - POLISH



DESCRIPTION

Customized kit designed to grind and apply a polish finish on tubes and rails in just 3 steps.

Includes all the products you need from weld removal to the final # 7 polish finish.

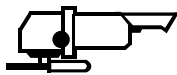


METALS

- Stainless steel



In-stock item



Angle Grinder

RESOURCES

To watch a how to video on using our Polish Finish Kit, visit www.rexcut.com/polish

POLISH KIT - PART NO. 749001

Component Description	dimensions	Part No.	quantity in Kit
Fusion Med Disc	4-1/2" x 7/8"	894001	1
Unitized 2SFN Disc	4-1/2" x 7/8"	898500	1
Felt Disc	4-1/2" x 7/8"	898501	1
Very Fine Rouge Stick	5" x 1-3/8"	740048	1

INSIDE CORNER WELD BLENDING DISC



DESCRIPTION

This type 1 Unitized Disc finishes the inside weld of a tube or railing corner.

METALS

- Stainless steel



In-stock item



Angle Grinder

AVAILABILITY

Dimensions inches	Type	Density	Part No.	Max RPM	Box Qty.
4-1/2 x 1/4 x 7/8	27	2SFN	898599	10,000	5

MOUNTED POINT COMBI KITS



DESCRIPTION

Mounted Point Combi Kits include an assortment of popular Cotton Fiber and Unitized Mounted Points.

KIT COMPONENTS

- Contains one of each*
- W163 A120 GFX
 - B52 A80 GFX
 - W177 A80 GFX
 - B121 A120 GFX
 - W163 A80 MTX
 - B52 A80 MTX
 - A15 A80 MTX
 - W185 A80 GFX
 - W163 Megabrite S/C FINE
 - B52 Megabrite S/C FINE/SOFT
 - W177 Megabrite A/O MED
 - W185 Megabrite S/C Fine

AVAILABILITY

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

COTTON FIBER QUICK CHANGE KITS



DESCRIPTION

Available in 2" and 3" diameters with Type R or Type S fasteners.

KIT COMPONENTS

- one - A24M
- two - A36F
- two - A54F
- two - A80FL
- one - A120F
- one - Holder

AVAILABILITY

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

STAINLESS STEEL KIT



DESCRIPTION

For grinding, blending, and cutting stainless steel. Each kit includes a Sigma Green wheel, a Type 27 Cotton Fiber wheel, and four Type 27 Alpha Green Cut-off wheels.

KIT COMPONENTS

- one - Sigma Green 36 grit
- one - Type 27 A36 GFX
- four - Type 27 Alpha Green Cut-Off Wheel 60 grit

AVAILABILITY

Kit Description	Part No.
4-1/2" x 7/8" (115 x 22.2mm)	740039
5" x 7/8" (125 x 22.2mm)	740040

GRIND AND BLEND KIT



DESCRIPTION

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.

KIT COMPONENTS

- one - 4-1/2" Type 27 A54 GFX
- one - 4-1/2" Sigma Green 36 grit

AVAILABILITY

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

CARBIDE BURS & ACCESSORIES

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

DESCRIPTION

Designed for those demanding applications requiring fast, heavy, and controlled stock removal. Rex-Cut offers a complete line of carbide burs including counter top displays and operator kits.

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.

SAFETY TIP

Never stop a carbide burr on the work surface.



Die Grinder

GENERAL INFORMATION FOR BUR USE

1. It may be necessary to adjust the bur speed shown 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.

MAX 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)

ACCESSORIES



GENERAL PURPOSE MANDRELS FOR TYPE 1

Description	Part No.
1/8" shank for 1/8" arbor hole	740001
1/4" shank for 1/4" and 3/8" arbor holes	740000
6mm shank for 1/4" and 3/8" arbor holes	740010



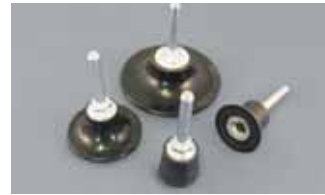
THREADED MANDRELS 1/4" X 3/4" FOR SMALL UNITIZED WHEELS

Description	Part No.
Overall length 1-7/8"	740023



TYPE 27 REUSABLE ADAPTER KITS

Description	Part No.
4-1/2" kit	740003
7", 9" kit	740004



QUICK CHANGE HOLDERS

For cotton fiber quick change discs and mini flap discs.

AVAILABILITY

TYPE R		1/4" Shank	6mm
inch	mm	Part No.	Part No.
1	25	580000	580020
1-1/2	38	580001	580021
2	50	580002	580022
3	75	580003	580023

TYPE S			
1	25	580004	580024
1-1/2	38	580005	580025
2	50	580006	580026
3	75	580007	580027



In-stock item

GRINDING WHEEL SAFETY GUIDE

SAFETY INFORMATION

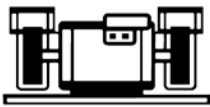
This safety information should be used only as a guide for the Rex-Cut Abrasives range of products.

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. Store in a dry area.

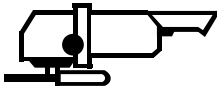
RPM / SFPM SPEED CONVERSIONS



Bench Grinder



Die Grinder



Angle Grinder



Right Angle Die Grinder

DEFINITIONS:

SFPM = Surface Speed in Feet per Minute

RPM = Revolutions per Minute

M/S = Meters per second

The SFPM for most T27 bonded grinding wheels is approximately 15,600. Note that this is equal to the European standard of 80 M/S or 13,300 RPM for a 4-1/2" diameter wheel.

CALCULATIONS:

- to convert RPM to SFPM..... $SFPM = (RPM \times DIA) / 3.82$

- to convert SFPM to RPM..... $RPM = (SFPM \times 3.82) / DIA$

- to convert M/S to SFPM..... $M/S \times 197$

- to convert SFPM to M/S..... $SFPM \times .005$

For more information regarding Safe Operating Speeds, refer to ANSI B.7.1 Table 23 - "Standard maximum speeds in surface feet per minute" and Table 35 - "Conversion Table - Wheel speeds"

GENERAL TECHNICAL DATA – METALS

STAINLESS STEEL GRADES

Grade	Description
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 MILL FINISHES

No.	Description
No. 3	A semi-coarse unidirectional uniform finish
No. 4	A finer ground unidirectional finish commonly referred to as a satin finish
No. 6	A non-directional semi-polished finish
No. 7	A buffed finish having a high degree of reflectiveness
No. 8	A blemish free finish with a high degree of clarity, a true mirror finish

RMS AND RA FINISHES

Standard Sheet 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	

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ALUMINUM GRADES

Non-Heat Treatable Alloys	
Grade	Description
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	
Grade	Description
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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