



Type 27 **Blending**

Type 27 A36 GFX
Max RPM 13,300

4-1/2" x 1/4" x 7/8"
Part No. 245042

4-1/2" x 1/4" x 5/8" - 11
Part No. 245102

Controlled Grinding
Non-Loading
Smooth Finish

Warning: Improper use may cause grinding wheel breakage resulting in serious and permanent injury. Do not overspeed, abuse, or drop wheel. Always use a guard, personal protective equipment, and proper mounting procedures.

Comply with A.N.S.I. Safety Code B7.1 and OSHA Regulations.

Use only with safety guard



REX-CUT
ABRASIVES
Grind. Blend. Debur. Finish.
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219125-1
Rex-Cut

830089

V FINE
SOFT

MAX 20000 RPM
MADE IN USA



Type 27 **Max Flex**

Stainless Steel
Aluminum
Mild Steel

Type 27 - Flexible
A54 MAX FLEX
Max RPM 8,500

7" x 7/8"

Part No. 881101

7" x 5/8" - 11

Part No. 891

Flexible

Controlled Grind

Non-Loading

Smooth Finish

Warning: Improper use may cause grinding wheel breakage resulting in serious and permanent injury. Do not overspeed, abuse, or drop wheel. Always use a guard, personal protective equipment, and proper mounting procedures.

Comply with A.N.S.I. Safety Code B7.1

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SIGMA GREEN MAX

PRODUCT CATALOG 2017/2018

Stainless Steel
Most Alloys



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36 Grit
Controlled Type 27 Wheel
7" x 1/4" x 7/8"
Part No. 291103
7" x 1/4" x 5/8" 11"
Part No. 291153
MAXIMUM SAFE SPEED
8500 RPM / 80 M/S
Warning: Improper use may cause grinding wheel breakage resulting in serious and permanent injury. Do not overspeed, abuse, or drop wheel. Always use a guard, personal protective equipment, and proper mounting procedures.
Comply with A.N.S.I. Safety Code B7.1, OSHA Regulations, and safety guide printed on packaging.



IMPROVE YOUR DAILY GRIND

IMPROVE YOUR DAILY GRIND

At Rex-Cut we are focused on improving the daily grind. This means manufacturing safe abrasive products for metalworkers, creating more efficient solutions for grinding, blending, and deburring applications, while supporting an employee first workplace.

We mean it. Rex-Cut is a 100% employee owned company. From customer service to manufacturing to sales to R&D, we each take great pride in our work, ensuring premium products and exceptional service.

You can rely on the Rex-Cut team to provide top quality abrasive products that improve finishing processes and bottom lines.



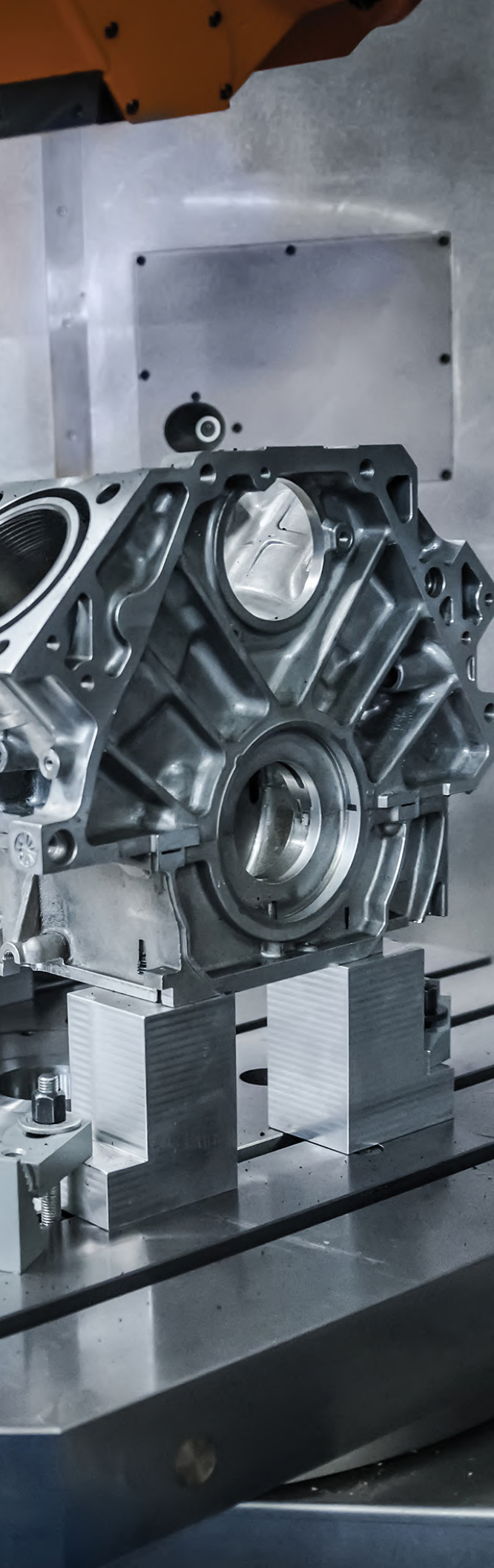


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ABRASIVE INFORMATION

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



COTTON FIBER ABRASIVES

Rex-Cut Abrasives is the oldest and primary manufacturer of cotton fiber abrasive grinding and finishing products. Since 1928, Rex-Cut has made abrasive material using a unique process that embeds grain in non-woven cotton fabric. Varying hardnesses and grits are available to produce products that excel on stainless steel, aluminum, mild steel, and exotics.

APPLICATIONS

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

Industries using Rex-Cut Abrasives products include:

- aircraft
- aerospace
- automotive
- ship building
- jewelry
- tool and die
- food processing
- dairy
- medical
- firearms
- energy
- cutlery
- general fabrication

PRODUCTS

Our cotton fiber abrasive line includes:

- Mounted Points
- Type 1 Wheels
- Type 27 Grinding and Blending Wheels
- Quick Change Discs
- Finishing Sticks

ADVANTAGES

Reduced grinding time. Our abrasives consistently reduce finishing from two or three steps, to just one.

Non-loading. Cotton Fiber abrasives are naturally non-loading so they will not clog when working on aluminum.

Cool action. Due to the cotton fiber construction, new grain is continually exposed during the grinding process resulting in a cooler operation.

Smooth, Quiet Action. Our cotton fiber abrasive material is resilient, which creates very low vibration products. Rex-Cut products run chatter free and are easy on the operator.

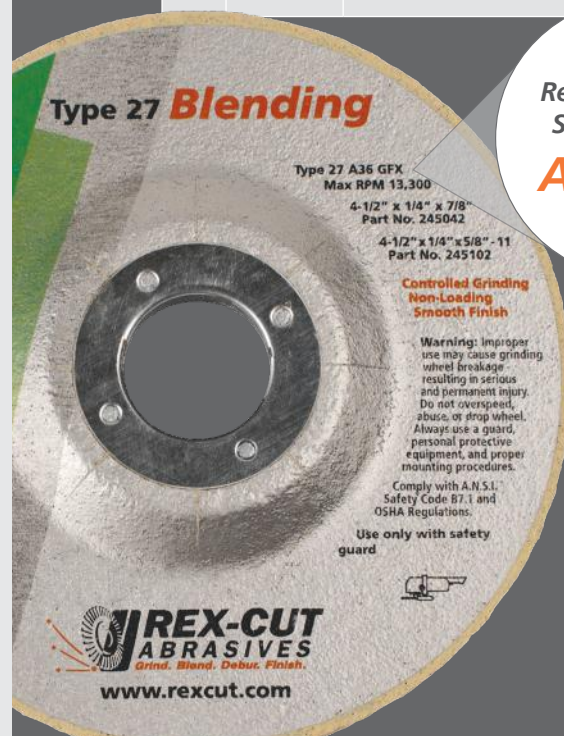
Application tailored. Many grit, bond, and size options are available to suit specific applications.

STANDARD MARKING SPECIFICATIONS

GRAIN TYPE		GRAIN SIZE	
A	Aluminum oxide	16, 24, 36	Coarse
		54, 80	Medium
C	Silicon carbide	120, 180	Fine
		320*	Very fine

*Available only in aluminum oxide

BOND		
GFX	Soft	Flexible synthetic latex bond for light deburring, blending, and finishing in one operation
JTX	Medium	Medium resin bond for light deburring, long life
MTX	Hard	Hard resin bond for light to medium stock removal, long life
NTX	Very hard	Very hard resin bond for medium stock removal, long life
IGX	Soft	For specialty applications



Reading Wheel Specification:
A36 GFX

SURFACE FINISH COMPARISONS

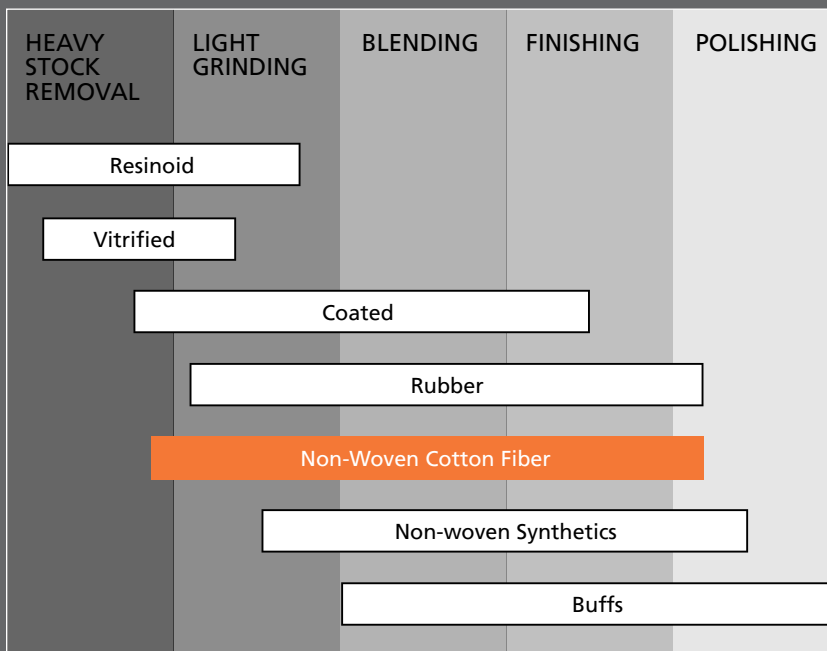
Measured in micro-inches for a value of RA (roughness average)

GRAIN SIZE	CONVENTIONAL ABRASIVES RA*	REX-CUT COTTON FIBER RA**	SIGMA GREEN 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 measured with a Mahr Federal Surface analyzer. The values are an average taken from multiple measurements on 304 stainless steel.

GRINDING WHEEL SPECTRUM



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		
←						→		

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		• Smooth Touch SC Coarse • C54 GFX • Smooth Touch SC Medium
EXL 8A Fine			
CP 7S Medium		NEX 7SXC	
CP 9S Medium		NEX 6SM	
EXL 6S Medium		NEX 7SM	• C80 GFX • Smooth Touch SC Fine
EXL 8S Medium		NEX 8SM	
CP 9S Medium	632	NEX 6SF	
CP 7S Fine	732	NEX 7SF	
EXL 6S Fine		NEX 8SF	
EXL 8S			

MOUNTED POINTS

For precision deburring, smooth edge breaking, or small weld blending, Rex-Cut Mounted Points are available in many materials and grits to match your application needs.



COTTON FIBER MOUNTED POINTS

Rex-Cut's signature mounted points are engineered for blending, deburring, and finishing machined and cast parts.

METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

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

APPLICATIONS

Aircraft/Aerospace

Debur and finish engine components

Automotive

Debur and finish machined/cast parts

Tool & Die

Clean, debur, repair, and finish

Fabrication

Blend corners, break edges, debur and blend I.D. and O.D.

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 (only available in aluminum oxide)

Bonds

GFX: Soft, for light deburring & blending
JTX: Medium, for light deburring with longer life
MTX: Hard, for light to medium stock removal

AVAILABILITY

Rex-Cut mounted points are available in many shape, grain, and bond combinations. Please see the specifications chart above for Grain/Bond options and the Shape Chart on pages 6 and 7 for size availability.

UNIQUE QUALITY

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

The micro-photos below show a high nickel alloy turbine blade before and after being finished by a W163 A80 MTX point.



POPULAR IN-STOCK ITEMS

DESCRIPTION	PART #
B52 D1 A80 GFX	320904
B121 D1 A80 GFX	323504
B122 D1 A80 GFX	323704
B122 D1 A120 GFX	323705
W154 D1 A120 GFX	331205
W163 D1 A80 GFX	332304
W163 D1 A120 GFX	332305
W163 D1 A180 GFX	332306
W163 D1 A80 MTX	332324
W176 D1 A80 GFX	333804
W176 D1 A120 GFX	333805
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.



Die Grinder



MEGABRITE UNITIZED MOUNTED POINTS

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.



Die Grinder

METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

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

APPLICATIONS

Debur machined parts
Blend minor tool marks
Debur and polish orthopedic implants and medical tools
Polish molds and dies
Polish engine parts
Reapply satin finish on stainless steel

SPECIFICATIONS

Grain/Bond

A/O Medium
S/C Fine

AVAILABILITY

Megabrite Unitized Mounted Points are available in many sizes, please see the Shape Chart on pages 6 and 7 for shape availability.

RUBBER MOUNTED POINTS

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.



Die Grinder

METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

High tensile strength
Tear resistant
Softer compared to natural rubber

APPLICATIONS

Remove sharp edges on sheet metal
Remove visible and microscopic burrs
Removing undesirable surface deposits

SPECIFICATIONS

Grain Size

Coarse - Medium - Fine

AVAILABILITY

Rubber Mounted Points are available in many sizes, please see the Shape Chart on pages 6 and 7 for shape availability.

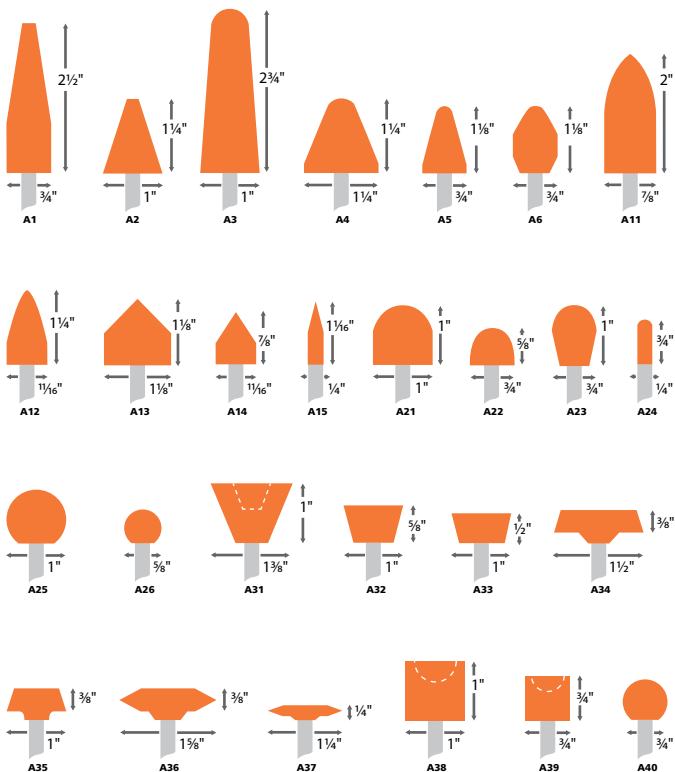
TIP

Dull edges of sheet metal with shape W222 in Medium. To watch a video of the process, visit rexcut.com/w222points

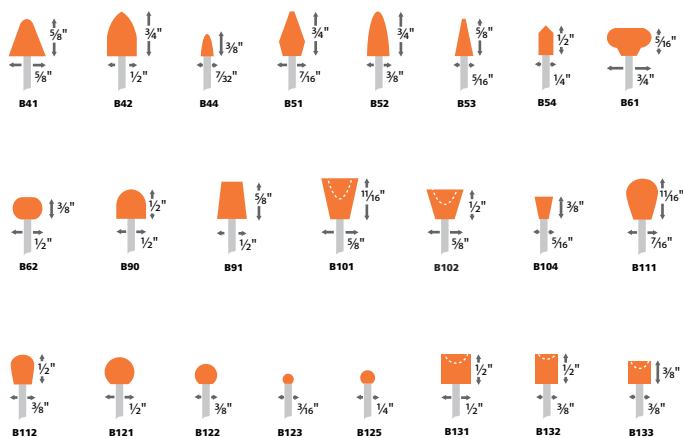
MOUNTED POINT SHAPE CHARTS

Rex-Cut Mounted Points are available in many shapes. For a digital version of this chart, visit rexcut.com/mpchart

A Shapes



B Shapes



W Shapes



Seat Track Cleaner Shape



A SHAPES - 1/4" & 6MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	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 1-1/16	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 Ball	25 x 25	35,510	27,370
A26	5/8 Ball	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 Ball	19 x 19	44,030	35,250

B SHAPES - 1/8" & 3MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	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
B44	7/32 x 3/8	6 x 10	68,400	42,370
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 •	1/4 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
B90	1/2 x 1/2	13 x 13	34,500	22,500
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
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 Ball	13 Ball	45,370	28,500
B122	3/8 Ball	10 Ball	61,650	37,720
B123 •	3/16 Ball	5 Ball	84,720	54,760
B125	1/4 Ball	8 Ball	75,350	50,640
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	Diameter x Thickness		Maximum RPM	
	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
Ball	9/16 Ball	14 Ball	35,510	28,840

W SHAPES - 1/8" & 3MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	Inch	mm	*1/2" overhang	1" overhang
W152 •	3/16 x 1/4	5 x 6		
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
W166 •	5/16 x 1/8	8 x 3	84,750	48,750
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
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
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

W SHAPES - 1/4" & 6MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	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

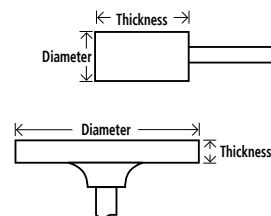
W SHAPES - 1/4" & 6MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	Inch	mm	*1/2" overhang	1" overhang
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
W191 •	5/8 x 1/8	16 x 3	61,120	50,000
W192	5/8 x 1/4	16 x 6	46,570	36,450
W193	5/8 x 3/8	16 x 10	44,330	34,340
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
W198	5/8 x 2-1/2	16 x 64	16,500	12,900
W200 •	3/4 x 1/8	19 x 3	33,750	23,250
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
W206	3/4 x 1-1/4	19 x 32	28,720	21,520
W207	3/4 x 1-1/2	19 x 38	24,000	18,400
W208	3/4 x 2	19 x 50	18,750	15,370
W209	3/4 x 2-1/2	19 x 64	15,000	12,150
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
W213	7/8 x 3/8	22 x 10	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
W223	1 x 2-1/2	25 x 64	12,370	9,900
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
W229	1-1/4 x 1	32 x 25	24,000	18,750
W230	1-1/4 x 1-1/4	32 x 32	20,400	15,900
W231	1-1/4 x 1-1/2	32 x 38	17,620	13,500
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
W239	1-1/2 x 2	58 x 50	16,480	9,090
W240	1-1/2 x 2-1/2	58 x 64	13,890	7,020
W242	2 x 1	50 x 25	19,100	15,590
W243	2 x 1-1/2	50 x 38	17,620	10,240
"W"	2 x 3/8	50 x 10	33,209	24,500
"W"	2 x 5/8	50 x 16	29,030	20,680
"W"	2 x 1/4	50 x 6	19,100	15,590
"W"	1-1/2 x 3/8	38 x 10	25,470	19,120
"W"	2 x 1/2	50 x 13	19,100	15,590

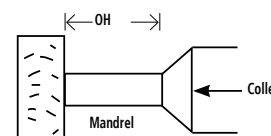
SEAT TRACK CLEANER - 1/4" & 6MM MANDRELS

Shape	Diameter x Thickness		Maximum RPM	
	Inch	mm	*1/2" overhang	1" overhang
SEAT TRACK •	3/4 x .098	19 x 2.5	33,750	23,250

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.

RESOURCES

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

For help selecting the right point for an application, visit rexcut.com/mp

* 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.

TYPE 1 WHEELS

From braze finishing to pipe thread cleaning to turbine blade profiling, Rex-Cut has you covered with Type 1 Wheel options.



COTTON FIBER DEBURRING WHEELS

Rex-Cut Type 1 Cotton Fiber Deburring Wheels are manufactured from our signature abrasive materials designed for blending, deburring, and finishing applications.



APPLICATIONS

Automotive

Chamfer, debur, and finish transmission gears

Aircraft/Aerospace

Chamfer, debur, and finish engine components

Tool & Die

Debur, finish, and maintenance of dies and molds

Fabrication

Radius and blend weld seams, corner blending, and edge breaking

Oilfield Repair/Maintenance

Debur and clean pipe thread

Ideal for use on robotic applications

SPECIFICATIONS

Grit Type

- A: Aluminum oxide
- C: Silicon carbide

Grain Size

- 16, 24, 36: Coarse
- 54, 80: Medium
- 120, 180: Fine
- 320: Very fine (only available in aluminum oxide)

Bonds

- GFX: Soft, for light deburring & blending
- JTX: Medium, for light deburring with longer life
- MTX: Hard, for light to medium stock removal



METALS

Stainless steel - Aluminum
Exotic metals - Mild steel - Brass

BENEFITS

- Debur and finish, or grind and finish, in one operation
- Smooth, controlled grinding action
- Remove burrs 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

RESOURCES

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

TIP

Rex-Cut Cotton Fiber wheels can be shaped to better clean or debur grooves such as pipe threads. For a video of this process, visit rexcut.com/pipethread

AVAILABILITY

DIAMETER x THICKNESS x ID		MAX RPM		DIAMETER x THICKNESS x ID		MAX RPM	
inch	mm	JTX & MTX	GFX	inch	mm	JTX & MTX	GFX
1 x 1/32 x 1/8	25 x .8 x 3	54,240	NA*	3 x 1/16 x 1/4	75 x 1.6 x 6	18,080	12,095
1 x 1/16 x 1/8	25 x 1.6 x 3	54,240	36,290	3 x 1/16 x 3/8	75 x 1.6 x 10	18,080	12,095
1 x 1/8 x 1/8	25 x 3 x 3	54,240	36,290	3 x 1/8 x 1/4	75 x 3 x 6	18,080	12,095
1 x 1/4 x 1/8	25 x 6 x 3	54,240	36,290	3 x 1/8 x 3/8	75 x 3 x 10	18,080	12,095
1 x 3/8 x 1/8	25 x 10 x 3	54,240	36,290	3 x 3/16 x 1/4	75 x 5 x 6	18,080	12,095
1-1/2 x 1/16 x 1/8	38 x 1.6 x 3	36,160	24,195	3 x 3/16 x 3/8	75 x 5 x 10	18,080	12,095
1-1/2 x 1/8 x 1/8	38 x 3 x 3	36,160	24,195	3 x 1/4 x 1/4	75 x 6 x 6	18,080	12,095
1-1/2 x 1/4 x 1/4	38 x 6 x 6	36,160	24,195	3 x 1/4 x 3/8	75 x 6 x 10	18,080	12,095
1-1/2 x 3/8 x 1/4	38 x 10 x 6	36,160	24,195	3 x 3/8 x 3/8	75 x 10 x 10	18,080	12,095
2 x 1/32 x 1/4	50 x .8 x 6	27,120	NA*	3 x 1/2 x 3/8	75 x 13 x 10	18,080	12,095
2 x 1/16 x 1/4	50 x 1.6 x 6	27,120	18,145	3 x 1 x 1/2	75 x 25 x 13	12,095	12,095
2 x 1/8 x 1/4	50 x 3 x 6	27,120	18,145	4 x 1/16 x 1/4	100 x 1.6 x 6	13,560	9,075
2 x 1/8 x 3/8	50 x 3 x 10	27,120	18,145	4 x 1/16 x 3/8	100 x 1.6 x 10	13,560	9,075
2 x 1/4 x 1/4	50 x 6 x 6	27,120	18,145	4 x 1/8 x 1/4	100 x 3 x 6	13,560	9,075
2 x 1/4 x 3/8	50 x 6 x 10	27,120	18,145	4 x 1/8 x 3/8	100 x 3 x 10	13,560	9,075
2 x 3/8 x 1/4	50 x 10 x 6	27,120	18,145	4 x 1/4 x 1/4	100 x 6 x 6	13,560	9,075
2 x 3/8 x 3/8	50 x 10 x 10	27,120	18,145	4 x 1/4 x 3/8	100 x 6 x 10	13,560	9,075
2 x 1/2 x 3/8	50 x 13 x 10	27,120	18,145	4 x 3/8 x 3/8	100 x 10 x 10	13,560	9,075
2-1/2 x 1/16 x 1/4	65 x 1.6 x 6	21,695	14,515	4 x 1/2 x 1/2	100 x 13 x 13	13,560	9,075
2-1/2 x 1/8 x 1/4	65 x 3 x 6	21,695	14,515	4 x 3/4 x 1/2	100 x 19 x 13	9,075	9,075
2-1/2 x 1/4 x 1/4	65 x 6 x 6	21,695	14,515	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

LASER BRAZE FINISHING WHEELS

Rex-Cut Type 1 Laser Braze Finishing Wheels have been engineered to finish brazing in roof joints for automotive assembly. These Type 1 Cotton Fiber Wheels are manufactured with the tolerances car manufacturers need in this specific application.

BENEFITS

- Blend and finish braze in one step
- Finish braze in half the time as standard Unitized Type 1 wheels
- Wheel integrity controls side deflection, protecting base metal from scarring
- Can be made with guide holes if needed
- Can be manufactured to required thicknesses
- Suitable for both automated and manual use

APPLICATIONS

Automotive

Blend and finish brazing in assembly plants.

Ideal for use on robotic applications

SPECIFICATIONS

- 3" & 4" Wheels: Medium Soft High Speed
- 7" & 8" Wheels: Medium Soft

RESOURCES

For more information on our specialty Laser Braze Finishing Wheels, visit rexcut.com/laserbraze

AVAILABILITY

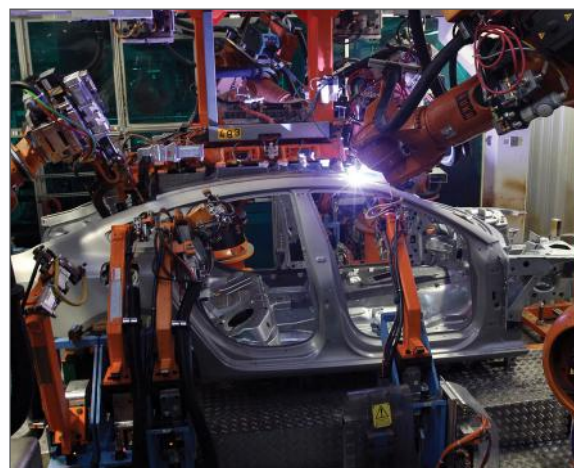
DIAMETER	THICKNESS	ID	SPEC	PART #	MAX RPM
3"	2.5mm	3/8"	Medium Soft HS	20,000	20,000
3"	3mm	3/8"	Medium Soft HS	20,000	20,000
3"	1/8"	3/8"	Medium Soft HS	20,000	20,000
3"	3.5mm	3/8"	Medium Soft HS	20,000	20,000
4"	2.5mm	3/8"	Medium Soft HS	15,000	15,000
4"	3mm	3/8"	Medium Soft HS	15,000	15,000
4"	1/8"	3/8"	Medium Soft HS	15,000	15,000
4"	3.5mm	3/8"	Medium Soft HS	15,000	15,000
7"	2.5mm	5/8"	Medium Soft	5,185	5,185
7"	3mm	5/8"	Medium Soft	5,185	5,185
7"	1/8"	5/8"	Medium Soft	5,185	5,185
7"	3.5mm	5/8"	Medium Soft	5,185	5,185
8"	2.5mm	1"	Medium Soft	4,500	4,500
8"	3mm	1"	Medium Soft	4,500	4,500
8"	1/8"	1"	Medium Soft	4,500	4,500
8"	3.5mm	1"	Medium Soft	4,500	4,500

More sizes available. Contact us at info@rexcut.com with your application specifications and we will work to create a wheel to match your tolerances.

TESTIMONIAL

"Implementing the Rex-Cut Type 1 Braze Finishing Wheel at our plant to finish roof seams yielded direct results in both increased productivity and the quality of weld finish. This has led to significant cost savings for the production of Ibiza, our best selling car."

– J. Mateo, Engineer at SEAT, a part of the Volkswagen Group in Spain



HIGH SPEED COTTON FIBER WHEELS

Manufactured with additional fiberglass reinforcement to meet the speed requirements of higher speed die grinders, these cotton fiber wheels are often used to debur and clean pipe thread.



METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

Grind and finish, or debur and finish, in one operation
Smooth, controlled grinding action
Remove burrs 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

APPLICATIONS

Oilfield Repair/Maintenance

Debur and clean pipe thread

Automotive

Chamfer, debur, and finish transmission gears

Aircraft/Aerospace

Chamfer, debur, and finish engine components

Tool & Die

Debur, finish, repair, and maintain dies and molds

Fabrication

Radius and blend weld seams, blend corner welds, and break edges

Ideal for use on robotic applications

SPECIFICATIONS

Grain Type

Aluminum oxide
Silicone carbide
available by special request only

Grain Size

Coarse
Medium
Fine
Very fine

Bonds

Soft: For light deburring and finishing

Hard: Most aggressive bond for deburring with long life

TIP

Rex-Cut Cotton Fiber wheels can be shaped to better clean or debur grooves such as pipe threads. For a video of this process, visit rexcut.com/pipe

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
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

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

SMOOTH TOUCH WHEELS

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 - Exotics - Mild steel - Brass

BENEFITS

Maximum operator control
Debur edges without altering part shape

APPLICATIONS

Light grinding - Light deburring - Blending - Finishing
Ideal for use on robotic applications

SPECIFICATIONS

Grain Size

- Coarse - Green
- Medium - Red
- Fine - Yellow

AVAILABILITY

DIAMETER X THICKNESS X ID		MAX 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

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 wheel to do the work. 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 rexcut.com/smoothtouch



Robotics



Die Grinder



LARGE DIAMETER WHEELS

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



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



Bench Grinder

METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

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

APPLICATIONS

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.

Food Service

Repair and maintenance

SPECIFICATIONS

Grit Type

A: Aluminum oxide
C: Silicon carbide

Grain Size

16, 24, 36: Coarse
54, 80: Medium
120, 180: Fine
320: Very fine *Only available in aluminum oxide*

Bonds

GFX: Soft, for light deburring & blending
JTX: Medium, for light deburring with longer life
MTX: Hard, for light to medium stock removal

DEPRESSED CENTER WHEELS

From grinding heavy welds to applying finishing touches, our line of depressed center wheels covers a wide range of applications.



SIGMA GREEN

Sigma Green is an aggressive grinding wheel with noticeably quiet and smooth grinding action. Our best selling grinding wheel is the perfect balance of fast grinding, low vibration, and superior finish. The layered grain construction, coarse grain followed by a second layer of finer grain, gives this wheel the advantage of fast grinding with a superior finish.



METALS

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

BENEFITS

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

APPLICATIONS

- General fabrication
- Shipbuilding
- Tank fabrication
- Power plant maintenance and repair
- Refinery maintenance and repair

RESOURCES

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

VIRTUALLY IRON FREE

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

TIP

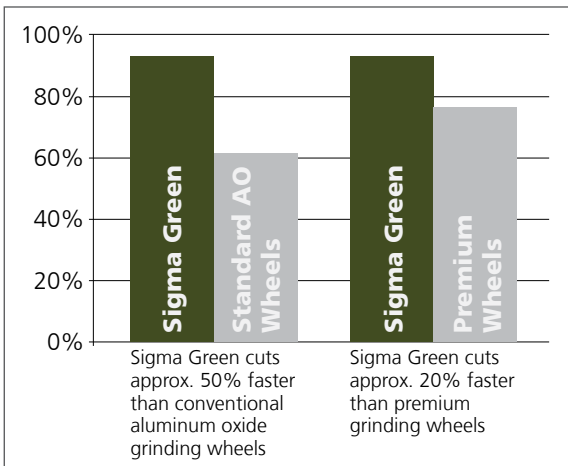
Follow Sigma Green or Sigma Green Max with Max Flex 54 grit to achieve a #4 finish.

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. Values are an average from multiple measurements on 304 stainless steel.



AVAILABILITY

DIAMETER X ARBOR		MAX RPM	GRIT SIZE	PART #	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

SIGMA GREEN MAX

Sigma Green Max is the 1/4" thick version of our highly successful Sigma Green wheel that has been engineered for added life and durability. The specialty bond results in a balanced, noticeably quiet, and smooth running grinding wheel with less vibration, even with the added thickness.

METALS

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

BENEFITS

- Longer life over our original Sigma Green Grinding Wheel
- High performance zirconium and aluminum oxide grain combination
- Fast stock removal
- Superior finish
- Grinds smooth and quiet
- Minimizes operator fatigue
- Controlled grinding
- Cool cutting
- Won't discolor or warp stainless steel
- Reduces labor rates

APPLICATIONS

- Foundries
- General fabrication
- Shipbuilding
- Tank fabrication
- Power plant maintenance and repair

VIRTUALLY IRON FREE

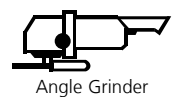
Contains only 0.035% iron, with less than 0.1% of iron, chlorine, and sulfur combined.

TIP

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

AVAILABILITY

DIAMETER X THICKNESS X ARBOR		MAX RPM	GRIT SIZE	PART #	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



TYPE 27 GRINDING & BLENDING WHEELS

Manufactured with our signature abrasive materials, these Type 27 wheels are designed for grinding and blending in one step.



METALS

Stainless steel - Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

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

Grit Type

- A: Aluminum oxide
- C: Silicon carbide

Grain Size

- 24, 36: Coarse
- 54, 80: Medium

Bonds

GFX: Blending: Flexible synthetic latex bond used for blending and finishing applications. It resists loading on aluminum and is resilient for a smooth, chatter-free operation on tanks, vessels, kitchen and food processing equipment, trailers, 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.

AVAILABILITY

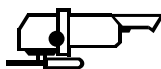
DIAMETER	THICKNESS	ARBOR HOLES	MAX RPM	BOX QTY.
4	1/8, 3/16, 1/4	5/8	15,300	10/25
4-1/2	1/8, 3/16, 1/4	7/8	13,300	10/25
5	3/16, 1/4	7/8	12,200	10/25
7	3/16*, 1/4	7/8	8,500	10/25
9	3/16*, 1/4	7/8	6,600	10/25

*Available in GFX only

Available with 5/8 - 11 throw away adapters
Reusable adapter kits are available, see Page 31



In-stock item



Angle Grinder

COMMON APPLICATIONS & 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 #
4-1/2 X 1/8 X 7/8 A36 GFX	245002
4-1/2 x 3/16 x 7/8 A36GFX	245022
4-1/2 x 1/4 x 7/8 A24MTX	245051
4-1/2 x 1/4 x 7/8 A36GFX	245042
4-1/2 x 1/4 x 7/8 A54GFX	245043
7 x 1/4 x 7/8 A36GFX	270042
7 x 1/4 x 5/8 - 11 A36GFX	270102
7 x 1/4 x 7/8 A54GFX	270043

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

TYPE 27 MAX FLEX

This flexible grinding/blending wheel excels on aluminum and is constructed to give the user wide contact area, allowing for optimum blending control as well as a very consistent finish.

METALS

Aluminum - Stainless steel - Exotic metals
Mild steel - Brass

BENEFITS

Naturally non-loading when grinding aluminum
Blend and finish on both flat and contoured surfaces
Blend and finish with one disc
Very low vibration, easy on the operator
Wide contact area allows for better surface finish
Grain embedded throughout wheel, allowing for a consistent finish throughout life of wheel
No backing that could gouge work surface
Cool grinding action

APPLICATIONS

Food processing equipment
Aluminum trailers
Tank fabrication
Aluminum boats

AVAILABILITY

DIAMETER X ARBOR		GRIT	MAX RPM	PART #
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

COMMON APPLICATIONS & 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

RESOURCES

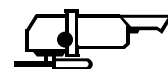
To see what Max Flex can do, visit rexcut.com/maxflex for a quick demo video.

TIPS

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



In-stock item



Angle Grinder



FUSION INTERLEAF FLAP DISCS

The combination of a premium coated abrasive layer over non-woven surface conditioning material is what makes Fusion a superior flap disc. Fusion easily blends and finishes welds in one operation. Grain size is calibrated in order to match a #4 finish.



METALS

Stainless steel - Aluminum - Mild steel - Brass

BENEFITS

Blend and finish stainless steel in one step
Match a satin finish
Very controlled weld grinding
High quality finish

APPLICATIONS

Blend corner welds on stainless steel railings
Blend small TIG welds on stainless steel kitchen equipment

SPECIFICATIONS

Coarse, Medium, Very Fine

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 instructional video on finishing tube and railing corners and see Fusion in action, visit rexcut.com/polish for polish finish or, rexcut.com/satin for satin finish.

AVAILABILITY

DIAMETER X ARBOR		MAX RPM	OPTIMUM RPM	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



Angle Grinder

SIGMA CERAMIC FLAP DISCS

Standard density Type 29 Ceramic Flap Discs designed for aggressive and controlled stock removal. Perfect for applications requiring rapid stock removal. Sigma Ceramic has longer life vs. aluminum oxide flap discs.

AVAILABILITY

DIAMETER X ARBOR		TYPE	GRIT	MAX RPM	PART #	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



In-stock item



Angle Grinder



MEGABRITE FINISHING FLAP DISCS

For surface preparation, cleaning, deburring, blending, and finishing on stainless steel and aluminum. Megabrite Finishing Flap Discs are manufactured with premium surface conditioning layers with the extra benefits of excellent operator control and long life.

AVAILABILITY

DIAMETER X ARBOR		CRS BROWN	MED MAROON	VFINE BLUE	MAX RPM	OPTIMUM RPM	BOX QTY.
inch	mm	PART #	PART #	PART #			
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 UNITIZED WHEELS

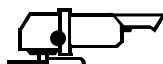
For scale removal, weld surface prep, light deburring and flash removal, blemish and corrosion removal, as well as polishing stainless steel. Megabrite Type 27 Unitized is reinforced with fiberglass backing and provides excellent operator control and long life.

AVAILABILITY

DIAMETER X ARBOR		MAX RPM	OPTIMUM RPM	GRADE	GRIT	PART #	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



In-stock item



Angle Grinder



CUT-OFF WHEELS

Quickly and precisely cut metal with our premium line of cut-off wheels. Formulated per metal, these wheels cut cool, extremely fast, and are excellent for cutting pipe, tubing, rod, and sheet metal.



ALPHA-GREEN

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

METALS

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

SPECIFICATIONS & BENEFITS

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

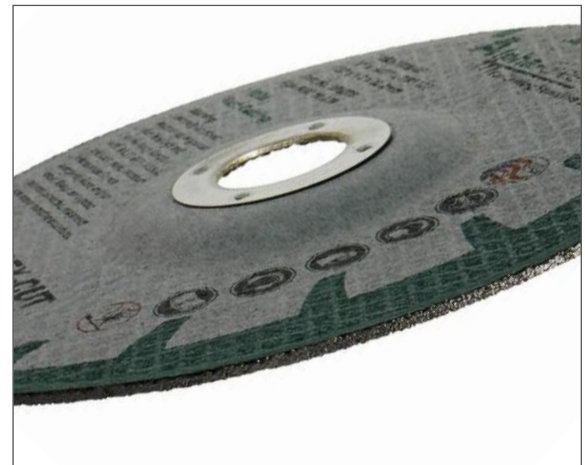
Aluminum oxide 46 grit
Stainless steel formula
.045" thickness
Reinforced resinoid
For fast cutting
Longer life



AVAILABILITY

Type 1 Straight Sided Wheels

DIAMETER X THICKNESS X ARBOR		SPECIFICATION	MAX RPM	PART #	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



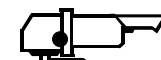
Die Grinder



Angle Grinder

Type 27 Depressed Center Wheels

DIAMETER X THICKNESS X ARBOR		SPECIFICATION	MAX RPM	PART #	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



ALUMINATOR

Cuts aluminum quickly without clogging. These wheels feature a thin profile for minimal kerf loss.



METALS

Aluminum or other non-ferrous metals

BENEFITS

Premium aluminum oxide grain for optimum performance
Fast cutting
Cool cutting
Non-loading

Applications

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

AVAILABILITY

Type 1 Straight Sided Wheels

DIAMETER X THICKNESS X ARBOR		MAX RPM	PART #	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

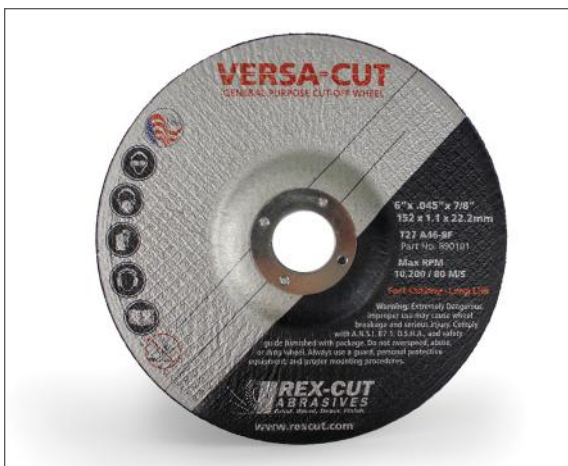
DIAMETER X THICKNESS X ARBOR		MAX RPM	PART #	BOX QTY.
inch	mm			
4.5 x .045 x 7/8	115 x 1.1 x 22.2	13,300	800300	50
5 x .045 x 7/8	125 x 1.1 x 22.2	12,200	800301	50
6 x .045 x 7/8	152 x 1.1 x 22.2	10,200	800302	25
7 x 1/16 x 7/8	178 x 1.6 x 22.2	8,600	800303	25



Angle Grinder

VERSA-CUT

Extremely fast, cool cutting action on all metals. General purpose cutting wheel constructed with a fiberglass reinforced resinoid bond for free cutting action.



METALS

All ferrous and non-ferrous metals

BENEFITS

Premium aluminum oxide grain for optimum performance
Fast cutting
Cool cutting

Applications

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

AVAILABILITY

Type 1 Straight Sided Wheels

DIAMETER X THICKNESS X ARBOR		MAX RPM	PART #	BOX QTY.
inch	mm			
4.5 x .045 x 7/8	115 x 1.1 x 22.2	13,300	890050	50
6 x .045 x 7/8	152 x 1.1 x 22.2	10,200	890051	25



Die Grinder



Angle Grinder

Type 27 Depressed Center Wheels

DIAMETER X THICKNESS X ARBOR		MAX RPM	PART #	BOX QTY.
inch	mm			
4.5 x .045 x 7/8	115 x 1.1 x 22.2	13,300	890100	50
6 x .045 x 7/8	152 x 1.1 x 22.2	10,200	890101	25



Angle Grinder

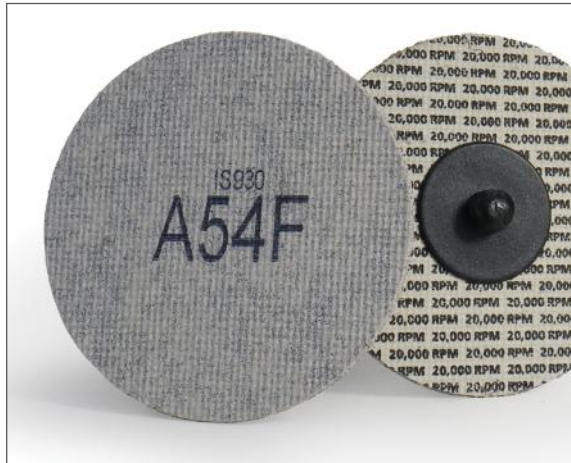
QUICK CHANGE DISCS

For smaller welds, hard to reach areas, or small working surfaces, we have a range of quick change discs to help with your finishing applications.



COTTON FIBER QUICK CHANGE DISC

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



METALS

Stainless steel - Aluminum
Exotic metals - Mild steel
Brass

BENEFITS

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 metal removal
Non-loading on aluminum and brass, as well as kevlar and other composites
Superior surface finishing

APPLICATIONS

Aircraft/Aerospace
Debur edges and blend mill marks on aluminum skin for fuselage/wings

Food Service
Blend and finish stainless steel kitchen components

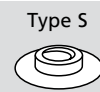
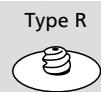
Automotive
Grind and blend spot welds on galvanized steel auto frames

General Fabrication
Grind and blend light weld seams

AVAILABILITY

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



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
Rubber holder pads available on page 31

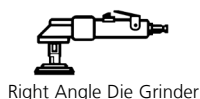
IN-STOCK ITEMS

DESCRIPTION	PART #
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.

TIP

Cotton Fiber Quick Change 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 Cotton Fiber Disc.



COMMON APPLICATIONS & 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

QUICK CHANGE DISC MAX

Quick Change Disc Max is the more aggressive version of our original quick change disc. This new disc has been designed for a faster finishing operation.

METALS

Stainless steel - Aluminum Exotic metals - Mild steel
Brass

BENEFITS

40% improvement in material removal rate
compared to our original Quick Change Discs
Non-loading
Grinds and finishes in one step
Consistent finish throughout life of disc

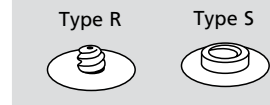
COMMON APPLICATIONS & SPECS

APPLICATION	ALUMINUM/ NON FERROUS	STAINLESS STEEL	MILD STEEL
Grinding	A24M, A36F	A24M	A24M
Blending	A54F, A80F	A36F, A54F	A36F, A54F
Beveling	A24M	A24M	A24M
Corner Blending	A36F	A36F	A24M, 36F
Finishing	A80F, A120F	A120F, A180F	A54F, A80F

AVAILABILITY

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



GRAIN TYPE

Aluminum Oxide

GRAIN SIZE

24*, 36, 54, 80, 120

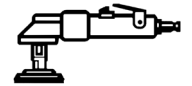
RANGE

F Flexible
M Medium (stiff)

* available in medium bond only



In-stock item



Right Angle Die Grinder

Rubber holder pads available on page 31

FUSION QUICK CHANGE DISC

The combination of a premium coated abrasive layer over non-woven surface conditioning material is what makes Fusion Quick Change Discs superior. Fusion easily blends and finishes light welds in one operation. Grain size is calibrated in order to match a #4 finish.

METALS

Stainless steel
Aluminum
Mild steel
Brass

APPLICATIONS

Finishing light weld seams
Improving surface roughness
Refining coarse grinding lines
Breaking edges
Grinding down casting errors

BENEFITS

Controlled material
removal
Consistent and low
Ra-value
Low heat generation
Shock dampening effect

AVAILABILITY

DIAMETER		MAX RPM	OPTIMUM RPM	CRS	MED
inch	mm				
3	75	10,000	5,000	883000	883001

Available with only Type R fasteners.
Rubber holder pads available on page 31



Right Angle Die Grinder



In-stock item

MINI FLAP QUICK CHANGE DISCS

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



METALS

Stainless steel
Aluminum
Mild steel

BENEFITS

Unique flap design
for flexibility
Long life compared
with resin fiber discs

APPLICATIONS

Blend and finish small
weld seams
Remove machine tool
marks
General cleaning

AVAILABILITY

DIAMETER		MAX RPM	GRIT	PART #	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 Type R fasteners. Type S available with special order only.
Rubber holder pads available on page 31.



MEGABRITE UNITIZED WHEELS

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



METALS

Stainless steel
Aluminum
Mild steel

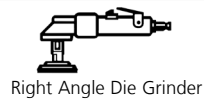
APPLICATIONS

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

AVAILABILITY

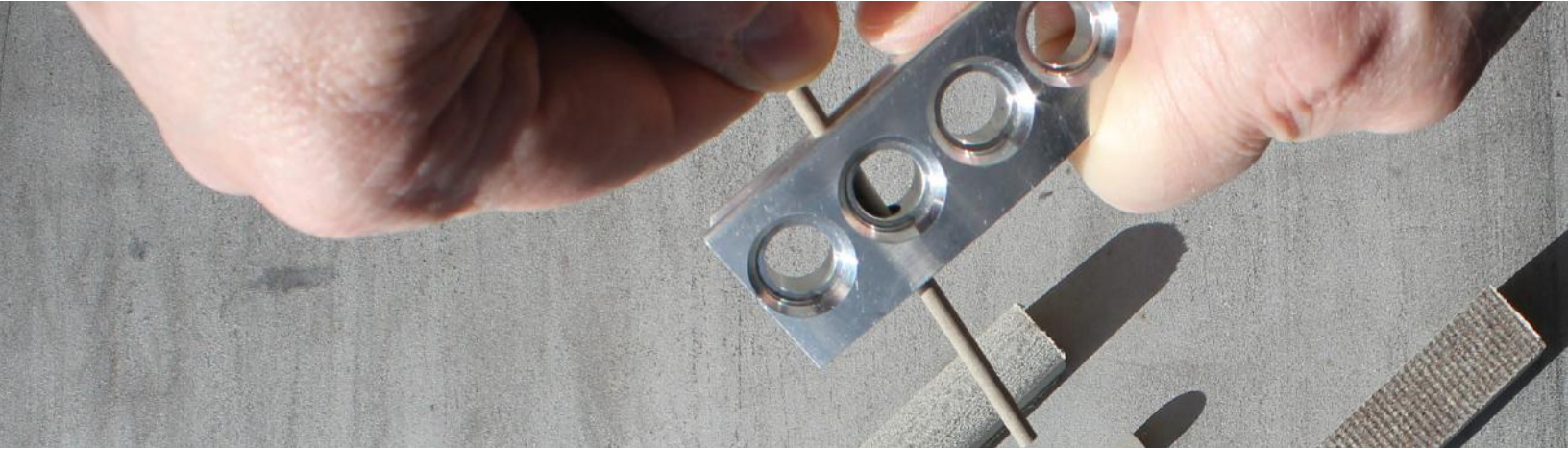
DIAMETER		TYPE	A-CRS (BROWN)	A-MED (RED)	A-VFINE (BLUE)	MAX RPM	BOX QTY.
inch	mm						
2	50	R	720000	720001	720002	30,000	50
3	75	R	720003	720004	720005	20,000	25

Available with Type R fasteners. Type S available with special order only.
Rubber holder pads available on page 31.



STICKS, KITS, & ACCESSORIES

From abrasive sticks to specialized kits to tool accessories, we have you covered.



STICKS

Round, half round, and square sticks offer a gentle finishing action with controlled deburring. Debur and finish in one step with our Cotton Fiber Finishing Sticks.

METALS

Stainless steel
Aluminum - Exotic metals
Mild steel - Brass

BENEFITS

Debur and finish in one step
Controlled metal removal without changing part geometry
Non-loading on aluminum, brass, and other non-ferrous metals

APPLICATIONS

Artillery/Weapons
Spin finish, debur
Aircraft
Edge break, debur, finish engine parts
Tool & Die
Clean, debur, repair, and finish

SPECIFICATIONS

Grit Type

A: Aluminum oxide
C: Silicon carbide

Grain Size

54, 80, 120, 180, 320*
**only available in aluminum oxide*

Bonds

GFX: Soft, for light deburring & blending
JTX: Medium, for light deburring with longer life
MTX: Hard, for light to medium stock removal

Shape

Round ● Half ◐ Square ■

Size

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



In-stock item



STAINLESS STEEL TUBE KITS

These customized tube finishing kits are designed to grain-in or polish tubes and rails in only 3 steps. Includes all the products you need from weld removal to the final finish.



METALS

Stainless steel

BENEFITS

- Finish welded rails or tubes quickly
- Match a satin or polish finish
- Weld to finish in 3 steps

RESOURCES

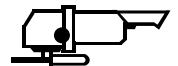
How to videos are available on our website.

For the Satin Finish Kit demo, visit rexcut.com/satin

For the Polish Finish Kit demo, visit rexcut.com/polish



In-stock item



Angle Grinder

SATIN FINISH KIT - Part # 749000

The Rex-Cut Stainless Steel Tube Satin Finish Kit #749000 produces a No. 4 Finish (food grade) and includes:

COMPONENT DESCRIPTION	DIMENSIONS	PART #	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	1



POLISH FINISH KIT - Part # 749001

For a highly reflective finish, Rex-Cut's Stainless Steel Tube Polish Kit #749001 produces a No. 7 Finish and includes:

COMPONENT DESCRIPTION	DIMENSIONS	PART #	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

This Type 1 Unitized Wheel is designed to finish inside corner welds of tubes and railings.



METALS

Stainless steel

AVAILABILITY

DIMENSIONS	SPECIFICATION	PART #	MAX RPM	BOX QTY.
inches				
4-1/2 x 1/4 x 7/8	2SFN	898599	10,000	5



In-stock item



Angle Grinder

MOUNTED POINT COMBI KITS

Includes an assortment of popular Cotton Fiber and Megabrite Mounted Points. This kit allows you to test and figure out which point works best for your application.

KIT COMPONENTS

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

METALS

Aluminum
 Stainless steel
 Exotic metals
 Mild steel
 Brass

AVAILABILITY

KIT DESCRIPTION	PART #
1/8" Spindle Kit	300010
1/4" Spindle Kit	300009
3mm Spindle Kit	300010M
6mm Spindle Kit	300009M



COTTON FIBER QUICK CHANGE DISC KITS

Available in 2" and 3" diameters with Type R or Type S fasteners. This kit includes a selection of Quick Change Disc specifications to grind, blend, debur, or finish a range of applications.

KIT COMPONENTS

1 - A24M
 2 - A36F
 2 - A54F
 2 - A80FL
 1 - A120F
 1 - Holder

AVAILABILITY

KIT DESCRIPTION	PART #
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



METALS

Stainless steel and Aluminum

STAINLESS STEEL KIT

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

1 - Sigma Green 36 grit
 1 - Type 27 A36 GFX
 4 - Type 27 Alpha Green
 Cut-Off wheel 60 grit

AVAILABILITY

KIT DESCRIPTION	PART #
4-1/2" x 7/8" (115 x 22.2mm)	740039
5" x 7/8" (125 x 22.2mm)	740040



METALS

Stainless steel

GRIND AND BLEND KIT

For weld grinding and surface preparation on stainless steel and aluminum.



KIT COMPONENTS

- 1 - Sigma Green 36 grit
- 1 - Type 27 Max Flex A54

METALS

Stainless steel and Aluminum

AVAILABILITY

KIT DESCRIPTION	PART #
4-1/2" x 7/8" (115 x 22.2mm)	740050
4-1/2" x 5/8"-11	740051

ACCESSORIES

Tool accessories to pair with abrasives.



GENERAL PURPOSE MANDRELS FOR TYPE 1 WHEELS

AVAILABILITY

DESCRIPTION	PART #
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



TYPE 27 REUSABLE ADAPTER KITS

AVAILABILITY

DESCRIPTION	PART #
4-1/2" kit	740003
7", 9" kit	740004



QUICK CHANGE DISC HOLDERS

For use with all quick change discs.

AVAILABILITY

TYPE R		1/4" SHANK PART #	6MM PART #
inch	mm		
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

ABRASIVE SAFETY

At Rex-Cut Abrasives, safety is a priority. Our products are manufactured under strict guidelines and we only produce high quality, safe products. The safety information below should be used only as a guide for the Rex-Cut Abrasives range of products. Safety continues with the operator, please read and share the information below.

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 Abrasive wheels should be stacked flat, not on their edges. Store in a dry area.

RPM / SFPM SPEED CONVERSIONS

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 x DIA) / 3.82

- to convert SFPM to RPM.....RPM = (SFPM x 3.82) / DIA

- to convert M/S to SFPM..... M/S x 197

- to convert SFPM to M/S..... SFPM x .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

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

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

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	

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



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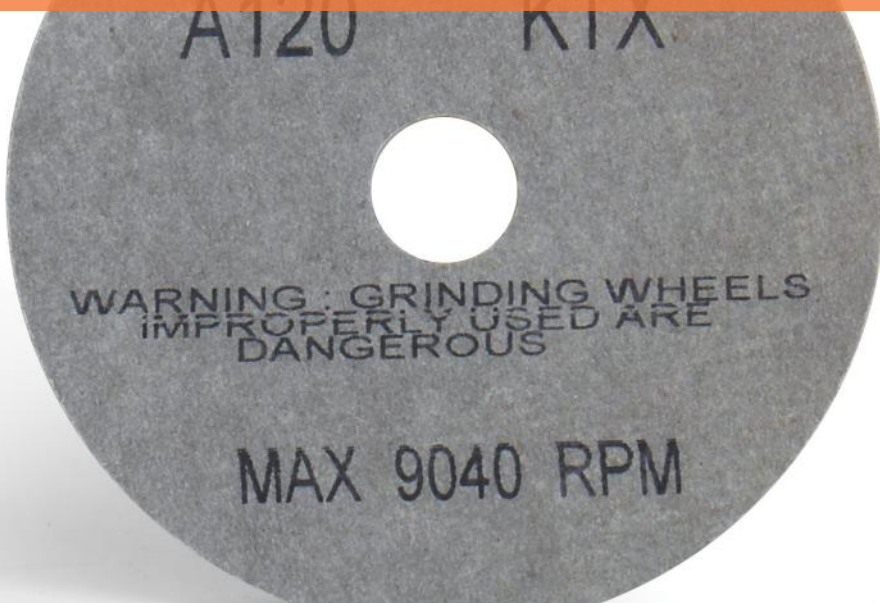
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