PREMIUM ABRASIVES FOR THE AEROSPACE INDUSTRY

REX-CUT ABRASIVES
Grind. Blend. Debur. Finish.

Improve Your Daily Grind - www.rexcut.com

SMOOTH TOUCH WHEELS

Smooth Touch Blending and Finishing Wheels are designed to offer greater 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.

Rex-Cut Smooth Touch Wheels are contaminant free for aerospace applications, no animal by-products are used in manufacturing of these abrasives.

FEATURES
- Maximum operator control
- Debur without altering part shape
- Cushion action
- Ideal for robotic applications
- Made in the USA

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

APPLICATIONS
- Deburring turbine blades

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

GRINDING, BLENDING, AND FINISHING

TYPE 1 DEBURRING WHEELS

Rex-Cut's signature Type 1 wheels are engineered for deburring machined and cast parts. These wheels are more durable than Smooth Touch.

Due to the specialty cotton-fiber abrasive material, these type 1 wheels debur and finish without changing part geometry.

Rex-Cut Cotton Fiber Type 1 Wheels are contaminant free for aerospace applications, no animal by-products are used in manufacturing of these abrasives.

DEBURRING

FEATURES
- Contaminant Free
- Debur and finish in one step
- 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
- Ideal for use on robotic applications
- Made in the USA

METALS
- Stainless Steel
- Aluminum
- Titanium
- Inconel

APPLICATIONS
- Deburring cast or machined parts
- Blending tool marks on cast or machined parts

GRAIN TYPE
A: Aluminum Oxide
C: Silicon Carbide

GRAIN SIZE
24, 36: Coarse
54, 80: Medium
120, 180: Fine
320: Very Fine (only 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

DIAMETER x THICKNESS x ID		MAX RPM	
inch	mm	JTX & MTX	GFX
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

DEBURRING AND BLENDING

COTTON FIBER MOUNTED POINTS

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

Due to the specialty cotton-fiber abrasive material, these mounted points debur and finish without changing part geometry.

Rex-Cut Cotton Fiber Mounted Points are contaminant free for aerospace applications, no animal by-products are used in manufacturing of these abrasives.

FEATURES
- Contaminant Free
- Debur and finish in one step
- Maintain part geometry
- Controlled metal removal
- Long life
- Smooth, chatter free operation
- Superior surface finish
- Made in the USA

METALS
- Stainless Steel
- Titanium
- Inconel

APPLICATIONS
- Deburring cast or machined parts
- Blending tool marks on cast or machined parts

GRAIN TYPE

A: Aluminum Oxide
C: Silicon Carbide

GRAIN SIZE

24, 36: Coarse
54, 80: Medium
120, 180: Fine
320: Very Fine (only 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 above for Grain/Bond options and the Shape Chart on page 5 and 6 for size availability.

DEBURRING AND FINISHING

MEGABRITE UNITIZED MOUNTED POINTS

Rex-Cut Unitized Mounted Points are a combination of non-woven nylon with resin and either aluminum oxide or silicon carbide. These versatile and resilient abrasive points are a great option for deburring, blending, and finishing medical parts.

Megabrite Points are able to achieve a higher luster than our Cotton Fiber Mounted Points. These points remove microburrs and finish in one step, without changing part geometry.

FEATURES
- Conformable
- High luster finish
- Maintain part geometry
- Easy to dress to fit profiles and hard to reach areas
- Made in the USA

METALS
- Stainless Steel
- Titanium
- Inconel

APPLICATIONS
- Deburring cast or machined parts
- Blending tool marks on cast or machined parts

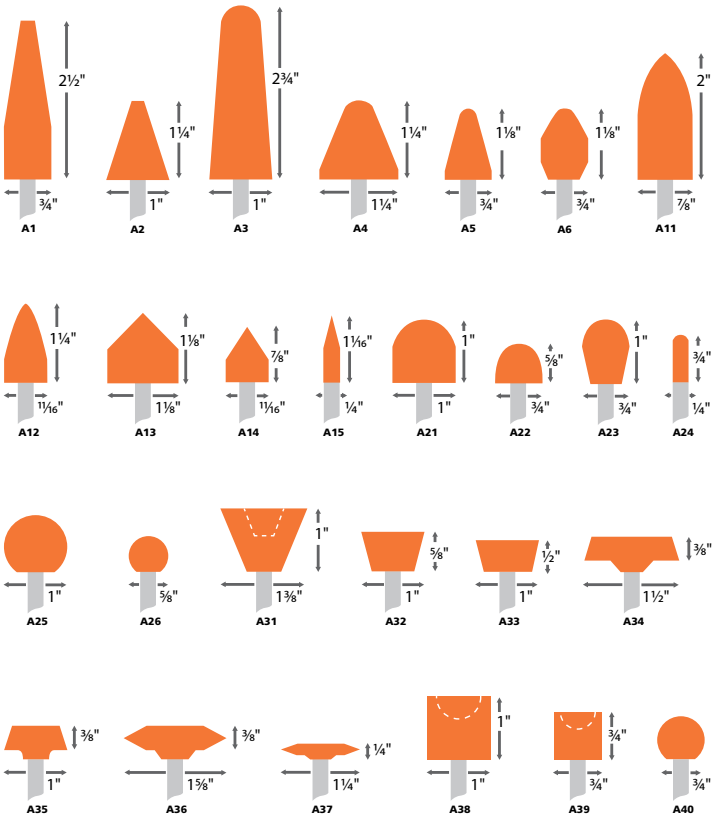
GRAIN/BOND
- Aluminum Oxide Medium
- Silicon Carbide Fine

AVAILABILITY

Rex-Cut mounted points are available in many shape, grain, and bond combinations. Please see the specifications above for Grain/Bond options and the Shape Chart on page 5 and 6 for size availability.

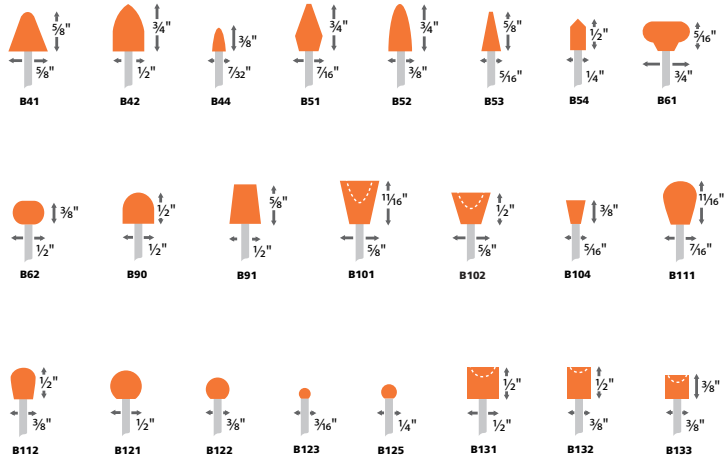
MOUNTED POINT SHAPE CHART

A Shapes



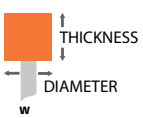
A SHAPES - 1/4" & 6MM MANDRELS				
Shape	Diameter x Thickness		Maximum RPM	
	Inch	mm	*1/2" overhang	1" overhang
A1	3/4 x 2-1/2	19 x 64	19,800	16,100
A2	1 x 1-1/4	25 x 32	32,420	26,190
A3	1 x 2-3/4	25 x 70	15,530	11,940
A4	1-1/4 x 1-1/4	32 x 32	28,550	23,150
A5	3/4 x 1-1/8	19 x 29	38,550	31,270
A6	3/4 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



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

W Shapes



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

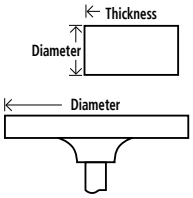
W SHAPES - 1/4" & 6MM MANDRELS

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

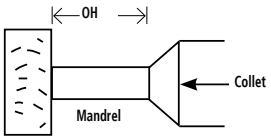
W SHAPES - 1/4" & 6MM MANDRELS

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	16x 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

SHAPE MEASUREMENT GUIDE

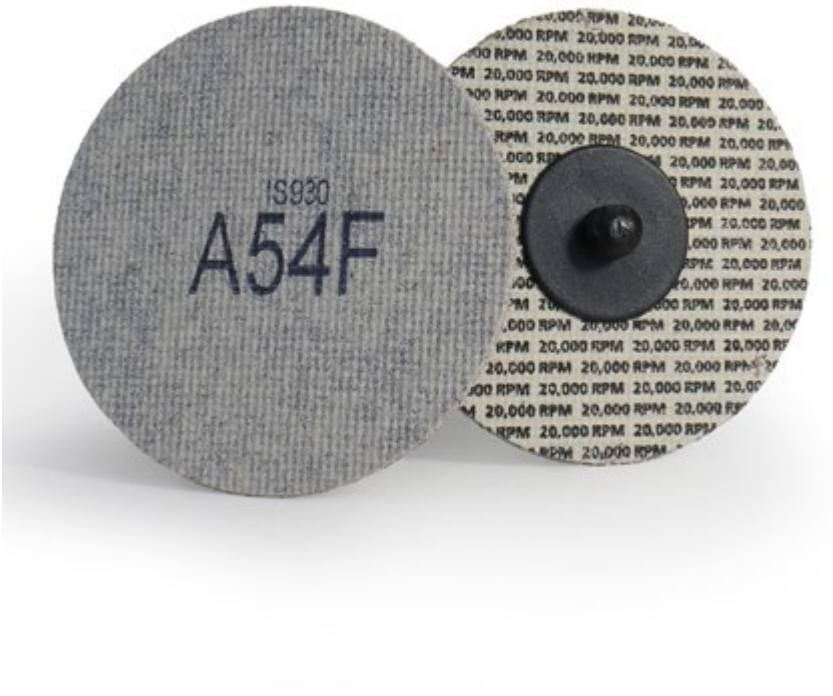


STANDARD MANDREL RECOMMENDED OVERHANG



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

COTTON FIBER QUICK CHANGE DISCS



DEBURRING AND BLENDING

Made with our premium cotton-fiber abrasive material, our quick change discs remove small welds, blend machine tool marks, debur, break edges, and finish quickly and smoothly.

Due to the specialty cotton-fiber abrasive material, these discs debur and finish without changing part geometry.

Rex-Cut Cotton Fiber Mounted Points are contaminant free for aerospace applications, no animal by-products are used in manufacturing of these abrasives.

FEATURES
- Contaminant Free
- 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, and other composites
- Long life
- Superior surface finishing
- Made in the USA

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

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

GRAIN TYPE

A: Aluminum Oxide
C: Silicon Carbide

GRAIN SIZE

24*, 36: Coarse
54, 80: Medium
120, 180+: Fine
320+: Very Fine (only aluminum oxide)

** available in medium bond only + available in flexible bond only*

BONDS

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

BUTTON TYPE

R
S

AVAILABILITY

DIAMETER		MAX RPM
inch	mm	
1	25	40,000
1-1/2	38	30,000
2	50	30,000
3	75	20,000