



**PREFERRED**  
ABRASIVES, INC.

“Professional Grade Sandpaper”

Product Catalog



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## Quick-Locks

Standard 2-Ply Backing (Blue)

NEW! AO EXTREME w/HD Backing (Red)

Also available in Type "P" fastener



## Surf. Cond. Products



"Professional Grade Sandpaper"

## Resin Fiber Discs



Thank you for considering Preferred Abrasives, Inc.

We realize that you have numerous places to shop when looking for coated or non-woven abrasives. Whether you are looking for the newest high performance material, or an inexpensive product for an application that doesn't justify a premium product, you can count on us to deliver a consistent, reliable product.

Our part number system is "Material Specific", ensuring that you will always receive the same material, order after order! Most of our items can be custom manufactured from various types & brands of material. The next time you need abrasives, we hope you will let our knowledgeable staff help to reduce your finishing costs.

Sincerely,

Thomas R. Gulker  
President

## Flap Discs



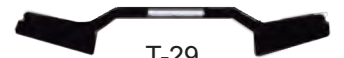
Standard Density



Hi Density



T-27



T-29



# Adobe PDF offers convenient "Search Methods"

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**\* Did you know our Table of Contents includes convenient links?**

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*Note... proper capitalization is not required.*

## NEW PRODUCTS

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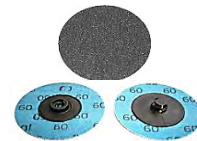
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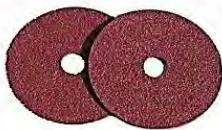
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Terms / Conditions: See inside back cover

# Cross Reference Chart

Listed by Grain Type, from the most flexible to the stiffest.

<b>ALUMINUM OXIDE CLOTH</b>									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
J-Flex	K35SF Open Coat	Poly/Cotton	80-220	-		RB306JF	KK504F KK505J KK524F,J	LS319JF	JW342
J-Flex	KA537 (Grind. Aid)	Egyp.Cott.	60-600	303D	R296	RB406J	-	LS312J	KA537
J	KAF, JA165	Egyp.Cott.	60-500	201E	R201	RB317J	KK511F,J	LS309J	JA512
J	TAJ		600,800		R245	RB346J			
J,X	Sheets/Shop Rolls	Cotton	36-500	314D	K225,K227	RB232J	KK14F	KL361	-
J	Emery Cloth	Cotton	C,M,F	011K	K622	-	-	KL371	-
J	Crocus Cloth	Cotton	Crocus	-	K624	-	-	-	-
X	XA167 XA911, R145	Poly/Cotton	24-400	241D, E 248D	R228 R249,R283	RB346X	KK711X	CS310X CS412X	XA911
X	XA345, K35X Open Coat	Poly/Cotton	24-320	240D	R215,R232	RB316XOP	KK504X	CS311X	XW341
Y	R192 (Grind. Aid) Dry Only	Poly	36-600					CS410Y	
Y	YA531, P355 Wet or Dry	Poly	24-120	261F 361F	R247 R249	RB376TY	KK711Y	CS412Y CS341Y	PA631 YA531
Y	W25 Open Coat Wet or Dry	Poly	24-320	270D	R215	RB316XOP	KK524X KK524Y	CS311Y CS341Y CS413Y	PA343
<b>ZIRCONIA ALUMINA CLOTH</b>									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
X	XZ677, AZX	Poly/Cotton	36-180				ZK713T	CS411X	XZ677
Y	PZ628, R205 Wet or Dry	Poly	24-120		R821 R823	RB484TY RB488Y	ZK713X KK715X KK716Y	CS411Y CS408Y CS414Y	PZ628
Y	R203, PZ528 (Grind. Aid) Dry Only	Poly	24-120	577F 777F	R801 R823,R824	RB486X,Y RB426X	ZK744X KK815Y	CS409Y	PZ528
<b>CERAMIC ALUMINA CLOTH</b>									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
Y	SK855X / XK870 (Grinding Aid) Dry Only	Poly	24-120	777F,963G 967F,977F	R980	CB441Z CB440Y	SK840X SK855X	CS612YY CS610YY	PS999 PS992
X, Y	S945 Open Coat	Poly	36-120	970DZ	R955				
<b>SILICON CARBIDE CLOTH</b>									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
Y	PC221, S181 Wet or Dry	Poly	24-600	461F	R422	RB318X	CK721X	CS321X	PC221
<b>RESIN FIBER</b>									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
FIBER	AO Premium (A-Type) AO "PC" (C-Type)	Fiber	16-120	281C 381C	F226	RB314X	KF708	CS561	VA113 VA632
FIBER	ZIRC Premium (Zee Type) ZIRC PC	Fiber	24-80	501C	F826	RB414	ZF713	CS565	VZ133
FIBER	CERAMIC "Firestorm" CERAMIC "CS"	Fiber	24-80	785C 983,985C 988C	F980 F968	CB444X	SF840 SF750	- -	- -

# Cross Reference Chart - Cont'd.

Listed by Grain Type, from the most flexible to the stiffest.

PAPER / FILM									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
FILM	AO Blue Film	FILM	60-2000	366L	Q130	-	-	-	SA331
A	AO Finishing Paper	Paper	80-280	210N	A212	PHF	KP31	PL31	-
C/D	AO Cabinet Paper	Paper	36-150	230N 240N	A211 A213	HCAB-LL	KP31	PL31	-
A/C	S/C Wet or Dry Paper	Paper	60-3000	413,414Q 431Q	T421,425 T461	WS18B WS18C	CP918	PS11	-
B/C	AO Gold	Paper	60-600	216U 236U	A290	HCAB	MP10 MPG	PS33	CA331
E	AO Gold	Paper	36-80	246U	H290	-	KP510E KP701E	PS23	
F	AO F-wt. Anti Static OP B-317	Paper	40-220	261UZ 265UZ	H248 H258	BW112 BW114	KP520F	PS20 PS23	-
FLOOR SANDING PRODUCTS									
Wt.	Preferred	Backing	Grits	3M	Norton	Hermes	VSM	Kling.	Deer
E	Floor Paper	Paper	24-120	-	H425	-	-	-	-
Combo	Floor Paper	Combo	12,16,20	460U	S513	-	CK725D	-	-
Screen	Sandscreen	Mesh	60-320	483W	Q421	RB375Y	-	-	-
X, Y	S945 Open Coat Green Ceramic	Poly	36-120	970DZ	R955				

## Abrasive Grain Types

**Ceramic** abrasives are self-sharpening. Due to their microcrystalline structure, small particles break away during use, allowing them to maintain a very high level of stock removal. They represent the latest innovation in grain technology. **They are the ultimate for life & stock removal.** They provide an aggressive cut under medium or heavy pressure. Used primarily on metal applications.



**Zirconia Alumina** abrasives, commonly referred to as Zirc or Zirconium, are ideal for coarse to medium grit applications on metal. **They work best for heavy stock removal.** **Heavy pressure** is necessary to fracture the grain & allow it to self-sharpen. Do not use for light pressure applications.

**Aluminum Oxide** abrasives are the **most common & least expensive.** Generally used for grinding metal and wood. Can be used with light to heavy pressure.

**Silicon Carbide** abrasives offer a high initial cut rate. Popular in various aerospace applications - especially on titanium. Also good for sanding glass, ceramics, plastics, paints, rubber, wood & non-ferrous applications.

**Compact Grain** abrasives are comprised of "large clusters of small grains". They appear to be "very coarse", IE a 320 grit may appear as coarse as a 36 grit conventional grain. They work best when they are "dressed" prior to use. They will leave a very smooth & consistent finish throughout their long life cycle. As each granule wears, more small grains are exposed ensuring long life and consistent finish. **Used primarily on metal applications that require fine grit finishes.**

# Material Descriptions

## CERAMIC CLOTH

<b>CA/Y PLUS (GRINDING AID)</b>	<b>SK855X, XK870</b>	<b>Grit range 24 - 120</b>	<b>Closed Coat</b>
"Firestorm" Ceramic, Heavy X/Y-wt. Poly: High performance product with a grinding aid, good for moderate to heavy pressure applications. Best for stainless steel, Inconel, titanium & high grade aluminum. Dry use only. Very durable. Good for narrow & wide belts.			
<b>PREMIUM WOOD</b>	<b>S945</b>	<b>Grit range 36, 60, 80, 100, 120</b>	<b>Open Coat</b>
High performance product designed specifically for wood. 36 and 60 grit are on a Y-wt. backing, the 80, 100 and 120 are on a heavy X-wt. backing. Very durable. Good for narrow & wide belts.			

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## ZIRC CLOTH

<b>ZAY PLUS (GRINDING AID)</b>	<b>R203</b>	<b>Grit range 24 - 120</b>	<b>Closed Coat</b>
Zirconia Alumina, Y-wt. Poly: <u>Considered by many to be the best of all Zirconia Products! Our most popular Zirc product.</u> Similar to R205 with the added benefit of dual grinding aids. Requires heavy pressure. Very cool cutting & long life. Great for stainless steel, carbon steel & aluminum. Dry use only. Very durable. Good for narrow & wide belts.			
<b>STANDARD</b>	<b>PZ628, R205</b>	<b>Grit range 24 - 120</b>	<b>Closed Coat</b>
Zirconia Alumina, Y-wt. Poly: Great for most materials. Requires heavy pressure. Can be used wet or dry. Very durable. Good for narrow & wide belts.			
<b>ZAX ECONOMY</b>	<b>XZ677, AZX</b>	<b>Grit range 36 - 120, 180</b>	<b>Closed Coat</b>
Zirconia Alumina, X-wt. 65/35 Poly/Cotton: Our economy grade Zirc products. Good for medium pressure applications that don't require the durability of a full polyester backing. Dry use only. Primarily used for narrow belts.			

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## A/O CLOTH

<b>AO/J PREMIUM</b>	<b>KAF</b>	<b>Grit range 60 - 400 (TAJ 600, 800)</b>	<b>Closed Coat</b>
Aluminum oxide, J-wt. 100% Egyptian Cotton: A highly flexible product for use on most metal applications, also good on hard woods			
<b>PLUS (GRINDING AID)</b>	<b>KA537</b>	<b>Grit range 60 - 400</b>	<b>Closed Coat</b>
Blue Fired Aluminum oxide, J-Flex 100% Egyptian Cotton: A highly flexible product with a grinding aid. Great on stainless steel & other highly alloyed materials.			
<b>"PC" (Preferred's Econ. Choice)</b>	<b>JA165</b>	<b>Grit range 60 - 400</b>	<b>Closed Coat</b>
Aluminum oxide, J-wt. 65/35 Poly/Cotton: A flexible product for use on aluminum, die-cast, carbon steel and other metal applications.			
<b>AO/X STANDARD</b>	<b>XA911, R145</b>	<b>Grit range 24 - 400</b>	<b>Closed Coat</b>
Aluminum oxide, X-wt. 65/35 Poly/Cotton: The backing, a Polyester/Cotton blend is very durable. <u>This is our most popular X-wt. product, used for narrow &amp; wide belts.</u> Good general-purpose material for most metal applications.			
<b>"PC" (Preferred's Econ. Choice)</b>	<b>XA167</b>	<b>Grit range 24 - 400</b>	<b>Closed Coat</b>
Aluminum oxide, X-wt. 65/35 Poly/Cotton: The backing, a Polyester/Cotton blend is very durable. <u>Good initial price point.</u> Good general-purpose material for most metal applications. Good for narrow & wide belts.			
<b>OPEN COAT</b>	<b>K35, XA345</b>	<b>Grit range 24 - 320</b>	<b>Open Coat</b>
Aluminum oxide, X-wt. Cotton: Good general-purpose material for wood applications. Good for portable belts, edge sanders and stroke sanders. Dry use only. Not as durable as W-25 but is less expensive.			



# Material Descriptions – Cont'd.

## A/O CLOTH –Cont'd.

<b>AO/Y PREMIUM POLY</b>	<b>P355, YA531</b>	<b>Grit range 24 - 400</b>	<b>Closed Coat</b>
Aluminum oxide, Y-wt. Poly: This heavy duty, long life product is great for foundry applications: aluminum, carbon steel and stainless steel. Can be used wet or dry. Great edge-wear resistance. Good for narrow & wide belts.			
<b>PLUS (GRINDING AID)</b>	<b>R192</b>	<b>Grit range 24 - 600</b>	<b>Closed Coat</b>
Aluminum oxide, X/Y wt. 65-35 Poly/Cotton: (Y-wt. for 120 grit & coarser. X-wt. for 150 grit & finer.) Includes an active filler grinding aid to help reduce heat. For high tensile steel, stainless steel, titanium & other heat sensitive material. Dry use only. Good for narrow & wide belts.			
<b>OPEN COAT WASHABLE</b>	<b>W25</b>	<b>Grit range 24 - 320</b>	<b>Open Coat</b>
Aluminum oxide, Y-wt. Poly: Used primarily on wood, this product is the Original "Washable Belt" (can be power washed to remove clogged wood particles.). Very popular for flat sanding. Very durable. Can be used wet or dry. Good for narrow & wide belts.			

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## S/C CLOTH

<b>SC/Y STANDARD W/P</b>	<b>S181, PC221</b>	<b>Grit range 24 - 600</b>	<b>Closed Coat</b>
Silicon Carbide, Y-wt. Poly: For wet or dry sanding of titanium, non-ferrous metal, glass, cement, ceramic, plastic & rubber. Good for narrow & wide belts.			

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## RESIN FIBER DISCS

### **CERAMIC**

<b>"FIRESTORM"</b>	<b>Grit range 24 - 120</b>	<b>Closed Coat</b>
This high performance disc provides the ultimate performance on stainless steel and many other hard metals, and aluminum. They provide the fastest cut rate & longest life. The grinding aid prevents heat build-up and reduces loading.		
<b>"CS" (Carbon Steel)</b>	<b>Grit range 24 - 80</b>	<b>Closed Coat</b>
These Ceramic Alumina discs provide great performance on carbon steel, cast iron, fiberglass and many other hard metals. They provide a fast cut rate & long life.		

### **ZIRC**

<b>PREMIUM (Zee Type)</b>	<b>Grit range 16 - 120</b>	<b>Closed Coat</b>
Our premium ZA discs feature a heavy fiber backing and a fast cutting, self-sharpening grain with an improved resin system for better grain retention. The advanced bonding formulation promotes cool grinding action.		
<b>"PC" (Preferred's Econ. Choice)</b>	<b>Grit range 16 - 80</b>	<b>Closed Coat</b>
Our general purpose ZA discs provide the right combination of reliable quality with low price. Zirc is the better choice for aggressive grinding on most materials		

### **AO**

<b>PREMIUM (A Type)</b>	<b>Grit range 16 - 120</b>	<b>Closed Coat</b>
Our premium AO disc features a heavy fiber backing and a premium, fast cutting grain. The advanced bonding formulation promotes cool grinding action, extending disc life.		
<b>"PC" (C Type)</b>	<b>Grit range 16 - 120</b>	<b>Closed Coat</b>
Our AO "PC" disc features a heavy fiber backing and aluminum oxide grain. The most economical disc for general purpose grinding. Works on most metals.		

# Super Saver Cloth Belts

AO/X "PC" (XA167)

**Super Saver belts:** Popular size belts made from our AO/X "PC" material (Preferred's Economy Choice). These Super Saver items are offered at substantially lower prices than our regular pricing.



SIZE	GRIT / LIST EACH						
	36	40	50	60	80	100	120
1 x 42 Std. Pkg. 50	70162-PC \$1.40	70163-PC \$1.35	70164-PC \$1.32	<b>70165-PC</b> \$1.28	<b>70166-PC</b> \$1.24	70167-PC \$1.22	<b>70168-PC</b> \$1.22
2 x 48 Std. Pkg. 10	70318-PC \$2.75	70319-PC \$2.61	70320-PC \$2.51	<b>70321-PC</b> \$2.41	<b>70322-PC</b> \$2.30	70323-PC \$2.23	<b>70324-PC</b> \$2.23
2 x 132 Std. Pkg. 10	70378-PC \$6.96	70379-PC \$6.55	70380-PC \$6.20	70381-PC \$5.87	70382-PC \$5.52	70383-PC \$5.29	70384-PC \$5.29
3 x 21 Std. Pkg. 10	70522-PC \$1.67	70523-PC \$1.62	70524-PC \$1.57	70525-PC \$1.53	70526-PC \$1.48	70527-PC \$1.45	70528-PC \$1.45
3 x 132 Std. Pkg. 10	70642-PC \$10.49	70643-PC \$9.86	70644-PC \$9.31	<b>70645-PC</b> \$8.81	<b>70646-PC</b> \$8.26	70647-PC \$7.90	70648-PC \$7.90
4 x 24 Std. Pkg. 10	70738-PC \$2.76	70739-PC \$2.67	70740-PC \$2.59	70741-PC \$2.51	70742-PC \$2.42	70743-PC \$2.38	70744-PC \$2.38
4 x 36 Std. Pkg. 10	70762-PC \$4.02	70763-PC \$3.83	70764-PC \$3.71	<b>70765-PC</b> \$3.57	<b>70766-PC</b> \$3.42	70767-PC \$3.31	70768-PC \$3.31
6 x 48 Std. Pkg. 10	<b>70990-PC</b> \$7.40	<b>70991-PC</b> \$7.06	<b>70992-PC</b> \$6.76	<b>70993-PC</b> \$6.48	<b>70994-PC</b> \$6.17	<b>70995-PC</b> \$5.97	<b>70996-PC</b> \$5.97

# Pump Sleeves

AO/J Open Coat

Std. Pkg. 10

SIZE	GRIT	ITEM NO.	LIST EACH
9" x 7-15/32" (2" Dia. x 9" Long)	60	69908	\$ 3.30
	80	69909	\$ 2.80
	120	69911	\$ 2.67
	180	69913	\$ 2.67
9" x 10-5/8" (3" Dia. x 9" Long)	60	69920	\$ 4.69
	80	69921	\$ 3.96
	120	69923	\$ 3.74
	180	69925	\$ 3.74
9" x 13-3/4" (4" Dia. x 9" Long)	60	69932	\$ 6.06
	80	69933	\$ 5.15
	120	69935	\$ 4.87
	180	69937	\$ 4.87



SIZE	GRIT	ITEM NO.	LIST EACH
9" x 20" (6" Dia. x 9" Long)	60	69944	\$ 6.18
	80	69945	\$ 5.92
	120	69947	\$ 5.82
	180	69949	\$ 5.82
9" x 26-5/16" (8" Dia. x 9" Long)	60	69956	\$ 7.38
	80	69957	\$ 7.08
	120	69959	\$ 6.56
	180	69961	\$ 6.56

Other sizes & grits are available. Normal delivery is approximately 5 work days.

## GREASE STICKS



**Formax F-26 Grease Stick:** Helps prevent loading. This light bodied grease spreads out thinly and remains "wet" on the belt. Recommended for all belt-polishing operations - metals, plastics and glass.

DESC.	ITEM NO.	LIST EACH
Formax F-26	<b>68010</b>	\$ 9.94

## BELT CLEANING STICKS



Cleaning sticks are designed to remove wood and other non-metallic materials that build up & clog the surface.

SIZE	ITEM NO.	LIST EA.
1-1/2 x 1-1/2 x 8	<b>68026</b>	\$ 10.79
2 x 2 x 12	<b>68027</b>	\$ 16.50

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
1/4 x 18 Std. Pkg. 50	AO/X	70045 \$0.89	70046 \$0.87	70047 \$0.86	70048 \$0.85	70049 \$0.84	700490 \$0.83	700491 \$0.83
	ZA/Y +	70045-Z3 \$1.69	<b>70046-Z3</b> \$1.67	70047-Z3 \$1.65	70048-Z3 \$1.63	70049-Z3 \$1.60	700490-Z3 \$1.58	700491-Z3 \$1.58
	CA/Y +	70045-C3 \$2.21	70046-C3 \$2.19	70047-C3 \$2.16	70048-C3 \$2.13	<b>70049-C3</b> \$2.10	700490-C3 \$2.07	700491-C3 \$2.07
3/8 x 13 Std. Pkg. 50	AO/X	70058-02 \$0.80	70058-03 \$0.79	70058-04 \$0.78	70059 \$0.78	<b>70060</b> \$0.77	70061 \$0.77	<b>70062</b> \$0.77
	ZA/Y +	70058-02-Z3 \$1.54	70058-03-Z3 \$1.51	70058-04-Z3 \$1.49	<b>70059-Z3</b> \$1.49	<b>70060-Z3</b> \$1.47	70061-Z3 \$1.47	<b>70062-Z3</b> \$1.47
	CA/Y +	70058-02-C3 \$2.01	70058-03-C3 \$1.98	70058-04-C3 \$1.95	70059-C3 \$1.95	70060-C3 \$1.92	70061-C3 \$1.92	70062-C3 \$1.92
1/2 x 12 Std. Pkg. 50	AO/X	70072 \$0.80	70073 \$0.79	70074 \$0.78	70075 \$0.78	70076 \$0.77	70077 \$0.77	70078 \$0.77
	ZA/Y +	70072-Z3 \$1.54	70073-Z3 \$1.51	70074-Z3 \$1.49	70075-Z3 \$1.49	70076-Z3 \$1.47	70077-Z3 \$1.47	70078-Z3 \$1.47
	CA/Y +	70072-C3 \$2.01	70073-C3 \$1.98	70074-C3 \$1.95	70075-C3 \$1.95	70076-C3 \$1.92	70077-C3 \$1.92	70078-C3 \$1.92
1/2 x 18 Std. Pkg. 50	AO/X	700811-02 \$0.89	<b>700811-03</b> \$0.87	700811-04 \$0.86	<b>700811-05</b> \$0.85	<b>700811-06</b> \$0.84	700811-07 \$0.83	<b>700811-08</b> \$0.83
	ZA/Y +	700811-02-Z3 \$1.69	700811-03-Z3 \$1.67	700811-04-Z3 \$1.65	<b>700811-05-Z3</b> \$1.63	<b>700811-06-Z3</b> \$1.60	700811-07-Z3 \$1.58	<b>700811-08-Z3</b> \$1.58
	CA/Y +	700811-02-C3 \$2.21	700811-03-C3 \$2.19	700811-04-C3 \$2.16	700811-05-C3 \$2.13	700811-06-C3 \$2.10	700811-07-C3 \$2.07	700811-08-C3 \$2.07
1/2 x 24 Std. Pkg. 50	AO/X	<b>70084</b> \$0.94	70085 \$0.93	70086 \$0.92	<b>70087</b> \$0.91	<b>70088</b> \$0.89	70089 \$0.87	<b>70090</b> \$0.87
	ZA/Y +	<b>70084-Z3</b> \$1.80	70085-Z3 \$1.78	70086-Z3 \$1.76	<b>70087-Z3</b> \$1.74	<b>70088-Z3</b> \$1.69	70089-Z3 \$1.67	70090-Z3 \$1.67
	CA/Y +	70084-C3 \$2.36	70085-C3 \$2.33	70086-C3 \$2.30	<b>70087-C3</b> \$2.27	<b>70088-C3</b> \$2.21	70089-C3 \$2.19	<b>70090-C3</b> \$2.19
3/4 x 18 Std. Pkg. 50	AO/X	70120 \$1.00	70121 \$0.98	70122 \$0.97	<b>70123</b> \$0.96	<b>70124</b> \$0.93	70125-07 \$0.92	70125-08 \$0.92
	ZA/Y +	70120-Z3 \$1.91	70121-Z3 \$1.87	70122-Z3 \$1.85	70123-Z3 \$1.83	<b>70124-Z3</b> \$1.78	70125-07-Z3 \$1.76	70125-08-Z3 \$1.76
	CA/Y +	70120-C3 \$2.51	70121-C3 \$2.45	70122-C3 \$2.42	<b>70123-C3</b> \$2.39	70124-C3 \$2.33	70125-07-C3 \$2.30	70125-08-C3 \$2.30
3/4 x 20-1/2 Std. Pkg. 50	AO/X	70126 \$1.00	70127 \$0.98	70128 \$0.97	<b>70129</b> \$0.96	<b>70130</b> \$0.93	70131 \$0.92	70132 \$0.92
	ZA/Y +	70126-Z3 \$1.91	70127-Z3 \$1.87	70128-Z3 \$1.85	<b>70129-Z3</b> \$1.83	70130-Z3 \$1.78	70131-Z3 \$1.76	70132-Z3 \$1.76
	CA/Y +	70126-C3 \$2.51	70127-C3 \$2.45	70128-C3 \$2.42	70129-C3 \$2.39	70130-C3 \$2.33	70131-C3 \$2.30	70132-C3 \$2.30

AO/X STANDARD is the base price. Use these multipliers for other materials.

Use the following multipliers for Narrow Belts Only! (12" & narrower)

Grain	Desc. (Part # Extension)	Grade	Mult.	Grain	Desc. (Part # Extension)	Grade	Mult.
A/O	AO/J PC Pref. Econ. Choice (-JPC)	JA165	1.00	Z/A	ZA/X Pref. Econ. Choice (-ZPC)	XZ677	1.55
	AO/J Premium (-J2)	KAF	1.25		ZA/Y Standard (-Z)	PZ628	1.67
	AO/J Plus G.A. (-J3)	KA537	1.25		<b>ZA/Y Plus G.A. (Shown Above) (-Z3)</b>	R203	1.91
	AO/X PC Pref. Econ. Choice (-PC)	XA167	0.93	C/A	<b>CA/Y Plus G.A. (Shown Above) (-C3)</b>	XK870	2.50
	<b>AO/X Standard (Shown Above)</b>	XA911,R145	1.00		<b>WOOD-WORKING</b>		
		AO/Y Plus G.A. (-Y)	R192	1.15	A/O	AO/X Open Coat (-4)	XA345,K35
	AO/Y Premium Poly (-PM)	YA531,P355	1.20		AO/Y Washable / OC (-4W)	W25	1.10
S/C	SC/Y Standard W/P (-S)	PC221,S181	1.20	C/A	CA/Y Premium Wood (-C4)	YS945	1.65

Grain abbreviations: AO = Aluminum Oxide, SC = Silicon Carbide, ZA = Zirconia Alumina, CA = Ceramic Alumina, G.A. = Grinding Aid.

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
1 x 12 Std. Pkg. 50	AO/X	70150 \$1.17	70151 \$1.14	70152 \$1.13	70153 \$1.12	70154 \$1.11	70155 \$1.10	70156 \$1.10
	ZA/Y +	70150-Z3 \$2.23	70151-Z3 \$2.18	70152-Z3 \$2.16	70153-Z3 \$2.14	70154-Z3 \$2.11	70155-Z3 \$2.09	70156-Z3 \$2.09
	CA/Y +	70150-C3 \$2.91	70151-C3 \$2.86	70152-C3 \$2.83	70153-C3 \$2.80	70154-C3 \$2.77	70155-C3 \$2.74	70156-C3 \$2.74
1 x 21 Std. Pkg. 50	AO/X	70159-02 \$1.34	70159-03 \$1.31	70159-04 \$1.10	70159-05 \$1.27	70159-06 \$1.24	70159-07 \$1.22	70159-08 \$1.22
	ZA/Y +	70159-02-Z3 \$2.56	70159-03-Z3 \$2.49	70159-04-Z3 \$2.09	70159-05-Z3 \$2.43	70159-06-Z3 \$2.36	70159-07-Z3 \$2.34	70159-08-Z3 \$2.34
	CA/Y +	70159-02-C3 \$3.35	70159-03-C3 \$3.26	70159-04-C3 \$2.74	70159-05-C3 \$3.18	70159-06-C3 \$3.09	70159-07-C3 \$3.06	70159-08-C3 \$3.06
1 x 30 Std. Pkg. 50	AO/X	701602 \$1.42	701603 \$1.39	701604 \$1.35	701605 \$1.33	<b>701606</b> \$1.29	701607 \$1.27	701608 \$1.27
	ZA/Y +	701602-Z3 \$2.72	701603-Z3 \$2.65	701604-Z3 \$2.58	701605-Z3 \$2.54	701606-Z3 \$2.46	701607-Z3 \$2.43	701608-Z3 \$2.43
	CA/Y +	701602-C3 \$3.56	701603-C3 \$3.47	701604-C3 \$3.38	701605-C3 \$3.32	701606-C3 \$3.21	701607-C3 \$3.18	701608-C3 \$3.18
1 x 42 Std. Pkg. 50	AO/X	70162 \$1.64	70163 \$1.60	70164 \$1.55	<b>70165</b> \$1.50	<b>70166</b> \$1.46	70167 \$1.43	<b>70168</b> \$1.43
	***	70162-PC	70163-PC	70164-PC	<b>70165-PC</b>	<b>70166-PC</b>	70167-PC	<b>70168-PC</b>
	AO SS	\$1.40	\$1.35	\$1.32	\$1.28	\$1.24	\$1.22	\$1.22
	ZA/Y +	70162-Z3 \$3.14	70163-Z3 \$3.05	70164-Z3 \$2.96	<b>70165-Z3</b> \$2.87	70166-Z3 \$2.78	70167-Z3 \$2.74	70168-Z3 \$2.74
CA/Y +	70162-C3 \$4.11	70163-C3 \$3.99	70164-C3 \$3.88	<b>70165-C3</b> \$3.76	70166-C3 \$3.64	70167-C3 \$3.58	70168-C3 \$3.58	
1 x 132 Std. Pkg. 10	AO/X	70190-02 \$5.41	70190-03 \$5.12	70190-04 \$4.90	70190-05 \$4.70	70190-06 \$4.42	70190-07 \$4.29	70190-08 \$4.29
	ZA/Y +	70190-02-Z3 \$10.33	70190-03-Z3 \$9.78	70190-04-Z3 \$9.37	70190-05-Z3 \$8.98	70190-06-Z3 \$8.43	70190-07-Z3 \$8.20	70190-08-Z3 \$8.20
	CA/Y +	70190-02-C3 \$13.52	70190-03-C3 \$12.81	70190-04-C3 \$12.26	70190-05-C3 \$11.75	70190-06-C3 \$11.04	70190-07-C3 \$10.73	70190-08-C3 \$10.73
1-1/8 x 21 Std. Pkg. 50	AO/X	70202 \$1.89	70203 \$1.84	70204 \$1.80	70205 \$1.76	70206 \$1.73	70207 \$1.70	70208 \$1.70
	ZA/Y +	70202-Z3 \$3.61	70203-Z3 \$3.52	70204-Z3 \$3.43	70205-Z3 \$3.36	70206-Z3 \$3.29	70207-Z3 \$3.25	70208-Z3 \$3.25
	CA/Y +	70202-C3 \$4.72	70203-C3 \$4.60	70204-C3 \$4.49	70205-C3 \$4.40	70206-C3 \$4.31	70207-C3 \$4.25	70208-C3 \$4.25
1-1/2 x 60 Std. Pkg. 10	AO/X	70246 \$3.44	70247 \$3.35	70248 \$3.21	70249 \$3.08	70250 \$2.94	70251 \$2.84	70252 \$2.84
	ZA/Y +	70246-Z3 \$6.57	70247-Z3 \$6.39	70248-Z3 \$6.12	70249-Z3 \$5.88	70250-Z3 \$5.61	70251-Z3 \$5.43	70252-Z3 \$5.43
	CA/Y +	70246-C3 \$8.60	70247-C3 \$8.36	70248-C3 \$8.01	70249-C3 \$7.69	70250-C3 \$7.34	70251-C3 \$7.11	70252-C3 \$7.11
1-1/2 x 72 Std. Pkg. 10	AO/X	70258 \$3.88	70259 \$3.78	70260 \$3.61	70261 \$3.45	70262 \$3.28	70263 \$3.17	70264 \$3.17
	ZA/Y +	70258-Z3 \$7.41	70259-Z3 \$7.21	70260-Z3 \$6.90	70261-Z3 \$6.59	70262-Z3 \$6.26	70263-Z3 \$6.06	70264-Z3 \$6.06
	CA/Y +	70258-C3 \$9.70	70259-C3 \$9.44	70260-C3 \$9.03	70261-C3 \$8.63	70262-C3 \$8.19	70263-C3 \$7.93	70264-C3 \$7.93
1-1/2 x 132 Std. Pkg. 10	AO/X	702661-02 \$6.11	702661-03 \$5.90	702661-04 \$5.59	702661-05 \$5.30	702661-06 \$5.00	702661-07 \$4.80	702661-08 \$4.80
	ZA/Y +	702661-02-Z3 \$11.67	702661-03-Z3 \$11.27	702661-04-Z3 \$10.69	702661-05-Z3 \$10.13	702661-06-Z3 \$9.55	702661-07-Z3 \$9.17	702661-08-Z3 \$9.17
	CA/Y +	702661-02-C3 \$15.27	702661-03-C3 \$14.74	702661-04-C3 \$13.99	702661-05-C3 \$13.26	702661-06-C3 \$12.50	702661-07-C3 \$12.01	702661-08-C3 \$12.01

To calculate the list price for other materials, use the AO/X price with the multipliers shown on page 9.

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
2 x 18-15/16 Std. Pkg. 10	AO/X	70267-02 \$2.12	70267-03 \$2.05	70267-04 \$1.99	70267-05 \$1.96	70267-06 \$1.90	70267-07 \$1.85	70267-08 \$1.85
	ZA/Y +	70267-02-Z3 \$4.05	70267-03-Z3 \$3.92	70267-04-Z3 \$3.81	70267-05-Z3 \$3.74	70267-06-Z3 \$3.63	70267-07-Z3 \$3.54	70267-08-Z3 \$3.54
	CA/Y +	70267-02-C3 \$5.30	70267-03-C3 \$5.13	70267-04-C3 \$4.98	70267-05-C3 \$4.90	70267-06-C3 \$4.75	70267-07-C3 \$4.63	70267-08-C3 \$4.63
2 x 30 Std. Pkg. 10	AO/X	70268-02 \$2.72	70268-03 \$2.61	70268-04 \$2.53	70268-05 \$2.45	70268-06 \$2.35	70268-07 \$2.30	70268-08 \$2.30
	ZA/Y +	70268-02-Z3 \$5.19	70268-03-Z3 \$4.99	70268-04-Z3 \$4.83	70268-05-Z3 \$4.68	70268-06-Z3 \$4.50	70268-07-Z3 \$4.39	70268-08-Z3 \$4.39
	CA/Y +	70268-02-C3 \$6.79	70268-03-C3 \$6.53	70268-04-C3 \$6.32	70268-05-C3 \$6.12	70268-06-C3 \$5.89	70268-07-C3 \$5.74	70268-08-C3 \$5.74
2 x 36 Std. Pkg. 10	AO/X	70276 \$3.02	70277 \$2.89	70278 \$2.82	70279 \$2.69	70280 \$2.59	70281 \$2.51	70282 \$2.51
	ZA/Y +	70276-Z3 \$5.77	70277-Z3 \$5.52	70278-Z3 \$5.39	70279-Z3 \$5.14	70280-Z3 \$4.94	70281-Z3 \$4.79	70282-Z3 \$4.79
	CA/Y +	70276-C3 \$7.55	70277-C3 \$7.23	70278-C3 \$7.05	70279-C3 \$6.73	70280-C3 \$6.47	70281-C3 \$6.27	70282-C3 \$6.27
2 x 42 Std. Pkg. 10	AO/X	70294 \$3.31	70295 \$3.17	70296 \$3.04	<b>70297</b> \$2.94	<b>70298</b> \$2.81	70299 \$2.73	70300 \$2.73
	ZA/Y +	70294-Z3 \$6.32	70295-Z3 \$6.06	70296-Z3 \$5.81	70297-Z3 \$5.61	70298-Z3 \$5.37	70299-Z3 \$5.21	70300-Z3 \$5.21
	CA/Y +	70294-C3 \$8.28	70295-C3 \$7.93	70296-C3 \$7.61	70297-C3 \$7.34	70298-C3 \$7.02	70299-C3 \$6.82	70300-C3 \$6.82
2 x 48 Std. Pkg. 10	AO/X	70318 \$3.62	70319 \$3.45	70320 \$3.31	<b>70321</b> \$3.18	<b>70322</b> \$3.03	70323 \$2.94	<b>70324</b> \$2.94
	***	70318-PC \$2.75	70319-PC \$2.61	70320-PC \$2.51	<b>70321-PC</b> \$2.41	<b>70322-PC</b> \$2.30	70323-PC \$2.23	<b>70324-PC</b> \$2.23
	AO SS	70318-Z3 \$6.91	70319-Z3 \$6.60	70320-Z3 \$6.32	70321-Z3 \$6.08	<b>70322-Z3</b> \$5.80	70323-Z3 \$5.61	<b>70324-Z3</b> \$5.61
	CA/Y +	70318-C3 \$9.05	70319-C3 \$8.63	70320-C3 \$8.27	70321-C3 \$7.95	<b>70322-C3</b> \$7.59	70323-C3 \$7.34	<b>70324-C3</b> \$7.34
2 x 60 Std. Pkg. 10	AO/X	70330 \$4.22	70331 \$4.01	70332 \$3.83	70333 \$3.67	70334 \$3.49	70335 \$3.37	70336 \$3.37
	ZA/Y +	70330-Z3 \$8.06	70331-Z3 \$7.66	70332-Z3 \$7.32	70333-Z3 \$7.01	70334-Z3 \$6.66	70335-Z3 \$6.43	70336-Z3 \$6.43
	CA/Y +	70330-C3 \$10.55	70331-C3 \$10.02	70332-C3 \$9.59	70333-C3 \$9.18	70334-C3 \$8.71	70335-C3 \$8.42	70336-C3 \$8.42
2 x 72 Std. Pkg. 10	AO/X	70342 \$4.83	70343 \$4.57	70344 \$4.36	70345 \$4.16	70346 \$3.94	70347 \$3.80	70348 \$3.80
	ZA/Y +	70342-Z3 \$9.22	70343-Z3 \$8.73	70344-Z3 \$8.33	70345-Z3 \$7.95	<b>70346-Z3</b> \$7.52	70347-Z3 \$7.26	70348-Z3 \$7.26
	CA/Y +	70342-C3 \$12.06	70343-C3 \$11.43	70344-C3 \$10.90	70345-C3 \$10.40	70346-C3 \$9.85	70347-C3 \$9.50	70348-C3 \$9.50
2 x 132 Std. Pkg. 10	AO/X	70378 \$7.82	70379 \$7.37	70380 \$6.97	70381 \$6.61	70382 \$6.21	70383 \$5.96	70384 \$5.96
	***	70378-PC \$6.96	70379-PC \$6.55	70380-PC \$6.20	70381-PC \$5.87	70382-PC \$5.52	70383-PC \$5.29	70384-PC \$5.29
	AO SS	70378-Z3 \$14.94	70379-Z3 \$14.07	70380-Z3 \$13.31	70381-Z3 \$12.62	70382-Z3 \$11.87	70383-Z3 \$11.38	70384-Z3 \$11.38
	CA/Y +	70378-C3 \$19.55	70379-C3 \$18.42	70380-C3 \$17.43	70381-C3 \$16.52	70382-C3 \$15.53	70383-C3 \$14.89	70384-C3 \$14.89

To calculate the list price for other materials, use the AO/X price with the multipliers shown on page 12.

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
2-1/2 x 48 Std. Pkg. 10	AO/X	70426 \$4.51	70427 \$4.31	70428 \$4.13	70429 \$3.96	70430 \$3.78	70431 \$3.65	70432 \$3.65
	ZA/Y +	70426-Z3 \$8.62	70427-Z3 \$8.24	70428-Z3 \$7.88	<b>70429-Z3</b> \$7.57	70430-Z3 \$7.21	70431-Z3 \$6.97	70432-Z3 \$6.97
	CA/Y +	70426-C3 \$11.28	70427-C3 \$10.78	70428-C3 \$10.32	70429-C3 \$9.91	70430-C3 \$9.44	70431-C3 \$9.12	70432-C3 \$9.12
2-1/2 x 60 Std. Pkg. 10	AO/X	70438 \$5.27	70439 \$5.01	70440 \$4.78	70441 \$4.57	70442 \$4.35	70443 \$4.18	70444 \$4.18
	ZA/Y +	70438-Z3 \$10.06	70439-Z3 \$9.57	70440-Z3 \$9.13	70441-Z3 \$8.73	70442-Z3 \$8.30	70443-Z3 \$7.99	70444-Z3 \$7.99
	CA/Y +	70438-C3 \$13.17	70439-C3 \$12.53	70440-C3 \$11.95	70441-C3 \$11.42	70442-C3 \$10.87	70443-C3 \$10.46	70444-C3 \$10.46
3 x 21 Std. Pkg. 10	AO/X	70522 \$2.54	70523 \$2.46	70524 \$2.39	70525 \$2.32	70526 \$2.25	70527 \$2.20	70528 \$2.20
	*** AO SS	70522-PC \$1.67	70523-PC \$1.62	70524-PC \$1.57	70525-PC \$1.53	70526-PC \$1.48	70527-PC \$1.45	70528-PC \$1.45
	ZA/Y +	70522-Z3 \$4.85	70523-Z3 \$4.70	70524-Z3 \$4.56	70525-Z3 \$4.43	70526-Z3 \$4.30	70527-Z3 \$4.21	70528-Z3 \$4.21
	CA/Y +	70522-C3 \$6.35	70523-C3 \$6.15	70524-C3 \$5.97	70525-C3 \$5.80	70526-C3 \$5.62	70527-C3 \$5.51	70528-C3 \$5.51
3 x 24 Std. Pkg. 10	AO/X	70546 \$2.72	70547 \$2.61	70548 \$2.53	70549 \$2.46	70550 \$2.37	70551 \$2.32	<b>70552</b> \$2.32
	ZA/Y +	70546-Z3 \$5.19	70547-Z3 \$4.99	70548-Z3 \$4.83	70549-Z3 \$4.70	70550-Z3 \$4.52	70551-Z3 \$4.43	70552-Z3 \$4.43
	CA/Y +	70546-C3 \$6.79	70547-C3 \$6.53	70548-C3 \$6.32	70549-C3 \$6.15	70550-C3 \$5.92	70551-C3 \$5.80	70552-C3 \$5.80
3 x 48 Std. Pkg. 10	AO/X	70556-02 \$5.41	70556-03 \$5.15	70556-04 \$4.93	70556-05 \$4.72	70556-06 \$4.50	70556-07 \$4.36	70556-08 \$4.36
	ZA/Y +	70556-02-Z3 \$10.33	70556-03-Z3 \$9.84	70556-04-Z3 \$9.42	70556-05-Z3 \$9.02	70556-06-Z3 \$8.59	70556-07-Z3 \$8.33	70556-08-Z3 \$8.33
	CA/Y +	70556-02-C3 \$13.52	70556-03-C3 \$12.88	70556-04-C3 \$12.33	70556-05-C3 \$11.80	70556-06-C3 \$11.25	70556-07-C3 \$10.90	70556-08-C3 \$10.90
3 x 72 Std. Pkg. 10	AO/X	70558 \$7.19	70559 \$6.82	70560 \$6.48	70561 \$6.18	70562 \$5.84	70563 \$5.62	70564 \$5.62
	ZA/Y +	70558-Z3 \$13.74	70559-Z3 \$13.02	70560-Z3 \$12.38	70561-Z3 \$11.80	70562-Z3 \$11.15	70563-Z3 \$10.73	70564-Z3 \$10.73
	CA/Y +	70558-C3 \$17.98	70559-C3 \$17.05	70560-C3 \$16.20	70561-C3 \$15.44	70562-C3 \$14.60	70563-C3 \$14.05	70564-C3 \$14.05
3 x 79 Std. Pkg. 10	AO/X	705701-02 \$7.71	705701-03 \$7.30	705701-04 \$6.94	70571 \$6.60	70572 \$6.24	70573 \$5.99	70574 \$5.99
	ZA/Y +	705701-02-Z3 \$14.73	705701-03-Z3 \$13.94	705701-04-Z3 \$13.25	70571-Z3 \$12.60	70572-Z3 \$11.91	70573-Z3 \$11.44	70574-Z3 \$11.44
	CA/Y +	705701-02-C3 \$19.29	705701-03-C3 \$18.24	705701-04-C3 \$17.34	70571-C3 \$16.49	70572-C3 \$15.59	70573-C3 \$14.98	70574-C3 \$14.98

AO/X STANDARD is the base price. Use these multipliers for other materials.

Use the following multipliers for Narrow Belts Only! (12" & narrower)

Grain	Desc. (Part # Extension)	Grade	Mult.	Grain	Desc. (Part # Extension)	Grade	Mult.
A/O	AO/J PC Pref. Econ. Choice (-JPC)	JA165	1.00	Z/A	ZA/X Pref. Econ. Choice (-ZPC)	XZ677	1.55
	AO/J Premium (-J2)	KAF	1.25		ZA/Y Standard (-Z)	PZ628	1.67
	AO/J Plus G.A. (-J3)	KA537	1.25		<b>ZA/Y Plus G.A. (Shown Above) (-Z3)</b>	R203	1.91
	AO/X PC Pref. Econ. Choice (-PC)	XA167	0.93	C/A	<b>CA/Y Plus G.A. (Shown Above) (-C3)</b>	XK870	2.50
	<b>AO/X Standard (Shown Above)</b>	XA911,R145	1.00	<b>WOOD-WORKING</b>			
	AO/Y Plus G.A. (-Y)	R192	1.15	A/O	AO/X Open Coat (-4)	XA345,K35	1.00
AO/Y Premium Poly (-PM)	YA531,P355	1.20	AO/Y Washable / OC (-4W)		W25	1.10	
S/C	SC/Y Standard W/P (-S)	PC221,S181	1.20	C/A	CA/Y Premium Wood (-C4)	YS945	1.65

Grain abbreviations: AO = Aluminum Oxide, SC = Silicon Carbide, ZA = Zirconia Alumina, CA = Ceramic Alumina, G.A. = Grinding Aid.

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
3 x 90 Std. Pkg. 10	AO/X	70582 \$8.53	70584 \$8.05	70585 \$7.63	70586 \$7.25	70587 \$6.84	70588 \$6.57	70589 \$6.57
	ZA/Y +	70582-Z3 \$16.30	70584-Z3 \$15.38	70585-Z3 \$14.58	70586-Z3 \$13.85	70587-Z3 \$13.07	70588-Z3 \$12.56	70589-Z3 \$12.56
	CA/Y +	70582-C3 \$21.33	70584-C3 \$20.14	70585-C3 \$19.09	70586-C3 \$18.13	70587-C3 \$17.11	70588-C3 \$16.43	70589-C3 \$16.43
3 x 132 Std. Pkg. 10	AO/X	70642 \$11.67	70643 \$10.97	70644 \$10.35	70645 \$9.79	<b>70646</b> \$9.18	70647 \$8.79	70648 \$8.79
	***	70642-PC	70643-PC	70644-PC	70645-PC	<b>70646-PC</b>	70647-PC	70648-PC
	AO SS	\$10.49	\$9.86	\$9.31	\$8.81	\$8.26	\$7.90	\$7.90
	ZA/Y +	70642-Z3 \$22.29	70643-Z3 \$20.95	70644-Z3 \$19.77	70645-Z3 \$18.70	70646-Z3 \$17.54	70647-Z3 \$16.79	70648-Z3 \$16.79
	CA/Y +	70642-C3 \$29.17	70643-C3 \$27.42	70644-C3 \$25.88	70645-C3 \$24.48	70646-C3 \$22.96	70647-C3 \$21.97	70648-C3 \$21.97
3-1/2 x 15-1/2 Std. Pkg. 10	AO/X	70690 \$3.47	70691 \$3.38	70692 \$3.30	70693 \$3.22	70694 \$3.14	70695 \$3.09	70696 \$3.09
	ZA/Y +	<b>70690-Z3</b> \$6.63	70691-Z3 \$6.46	70692-Z3 \$6.30	<b>70693-Z3</b> \$6.14	<b>70694-Z3</b> \$5.99	70695-Z3 \$5.90	70696-Z3 \$5.90
	CA/Y +	70690-C3 \$8.68	70691-C3 \$8.45	70692-C3 \$8.25	70693-C3 \$8.04	70694-C3 \$7.84	70695-C3 \$7.72	70696-C3 \$7.72
4 x 24 Std. Pkg. 10	AO/X	70738 \$3.60	70739 \$3.47	70740 \$3.37	70741 \$3.26	70742 \$3.16	70743 \$3.09	70744 \$3.09
	***	70738-PC	70739-PC	70740-PC	70741-PC	70742-PC	70743-PC	70744-PC
	AO SS	\$2.76	\$2.67	\$2.59	\$2.51	\$2.42	\$2.38	\$2.38
	ZA/Y +	70738-Z3 \$6.88	70739-Z3 \$6.63	70740-Z3 \$6.43	70741-Z3 \$6.23	70742-Z3 \$6.03	70743-Z3 \$5.90	70744-Z3 \$5.90
	CA/Y +	70738-C3 \$9.00	70739-C3 \$8.68	70740-C3 \$8.42	70741-C3 \$8.16	70742-C3 \$7.90	70743-C3 \$7.72	70744-C3 \$7.72
4 x 36 Std. Pkg. 10	AO/X	70762 \$6.00	70763 \$5.73	70764 \$5.54	<b>70765</b> \$5.33	<b>70766</b> \$5.11	70767 \$4.95	70768 \$4.95
	***	70762-PC	70763-PC	70764-PC	<b>70765-PC</b>	<b>70766-PC</b>	70767-PC	70768-PC
	AO SS	\$4.02	\$3.83	\$3.71	\$3.57	\$3.42	\$3.31	\$3.31
	ZA/Y +	70762-Z3 \$11.47	70763-Z3 \$10.95	70764-Z3 \$10.57	<b>70765-Z3</b> \$10.17	70766-Z3 \$9.75	70767-Z3 \$9.46	70768-Z3 \$9.46
	CA/Y +	70762-C3 \$15.01	70763-C3 \$14.34	70764-C3 \$13.84	70765-C3 \$13.32	70766-C3 \$12.76	70767-C3 \$12.38	70768-C3 \$12.38
4 x 54 Std. Pkg. 10	AO/X	70786 \$7.79	70787 \$7.39	70788 \$7.09	70789 \$6.76	70790 \$6.45	70791 \$6.21	70792 \$6.21
	ZA/Y +	70786-Z3 \$14.87	70787-Z3 \$14.11	70788-Z3 \$13.54	70789-Z3 \$12.91	70790-Z3 \$12.31	70791-Z3 \$11.87	70792-Z3 \$11.87
	CA/Y +	70786-C3 \$19.47	70787-C3 \$18.47	70788-C3 \$17.72	70789-C3 \$16.90	70790-C3 \$16.11	70791-C3 \$15.53	70792-C3 \$15.53
4 x 60 Std. Pkg. 10	AO/X	70793 \$8.38	70794 \$7.94	70794-04 \$7.60	70795 \$7.25	70796-06 \$6.89	70796-07 \$6.63	70796-08 \$6.63
	ZA/Y +	70793-Z3 \$16.01	70794-Z3 \$15.16	70794-04-Z3 \$14.52	70795-Z3 \$13.85	70796-06-Z3 \$13.16	70796-07-Z3 \$12.67	70796-08-Z3 \$12.67
	CA/Y +	70793-C3 \$20.95	70794-C3 \$19.84	70794-04-C3 \$19.00	70795-C3 \$18.13	70796-06-C3 \$17.22	70796-07-C3 \$16.58	70796-08-C3 \$16.58
4 x 90 Std. Pkg. 10	AO/X	70802 \$11.34	70803 \$10.69	70804 \$10.18	70805 \$9.65	70806 \$9.11	70807 \$8.72	70808 \$8.72
	ZA/Y +	70802-Z3 \$21.66	70803-Z3 \$20.42	70804-Z3 \$19.44	70805-Z3 \$18.43	70806-Z3 \$17.41	70807-Z3 \$16.65	70808-Z3 \$16.65
	CA/Y +	70802-C3 \$28.35	70803-C3 \$26.72	70804-C3 \$25.44	70805-C3 \$24.13	70806-C3 \$22.79	70807-C3 \$21.80	70808-C3 \$21.80

To calculate the list price for other materials, use the AO/X price with the multipliers shown on page 12.

# Narrow Cloth Belts

AO/X Standard  
 ZA/Y Plus (Green Zirc)  
 CA/Y Plus (Firestorm Ceramic)



\*\*\* See page 8 for all "AO Super Saver" belts

SIZE	MTL.	GRIT / LIST EACH						
		36	40	50	60	80	100	120 & F
4 x 106 Std. Pkg. 10	AO/X	70825 \$12.93	70826 \$12.16	70827 \$11.56	70828 \$10.93	70829 \$10.32	70830 \$9.84	70831 \$9.84
	ZA/Y +	70825-Z3 \$24.69	70826-Z3 \$23.22	70827-Z3 \$22.08	70828-Z3 \$20.88	70829-Z3 \$19.70	70830-Z3 \$18.79	70831-Z3 \$18.79
	CA/Y +	70825-C3 \$32.32	70826-C3 \$30.39	70827-C3 \$28.91	70828-C3 \$27.33	70829-C3 \$25.79	70830-C3 \$24.59	70831-C3 \$24.59
4 x 132 Std. Pkg. 10	AO/X	70882 \$15.50	70883 \$14.55	70884 \$13.80	70885 \$13.02	70886 \$12.24	70887 \$11.66	70888 \$11.66
	ZA/Y +	70882-Z3 \$29.61	70883-Z3 \$27.78	70884-Z3 \$26.36	70885-Z3 \$24.87	70886-Z3 \$23.38	70887-Z3 \$22.26	70888-Z3 \$22.26
	CA/Y +	70882-C3 \$38.76	70883-C3 \$36.37	70884-C3 \$34.50	70885-C3 \$32.55	70886-C3 \$30.60	70887-C3 \$29.14	70888-C3 \$29.14
6 x 48 Std. Pkg. 10	AO/X	<b>70990</b> \$10.74	<b>70991</b> \$10.25	<b>70992</b> \$9.80	<b>70993</b> \$9.39	<b>70994</b> \$8.95	<b>70995</b> \$8.66	<b>70996</b> \$8.66
	***	<b>70990-PC</b>	<b>70991-PC</b>	<b>70992-PC</b>	<b>70993-PC</b>	<b>70994-PC</b>	<b>70995-PC</b>	<b>70996-PC</b>
	AO SS	\$7.40	\$7.06	\$6.76	\$6.48	\$6.17	\$5.97	\$5.97
	ZA/Y +	70990-Z3 \$20.50	70991-Z3 \$19.57	70992-Z3 \$18.72	<b>70993-Z3</b> \$17.94	<b>70994-Z3</b> \$17.10	70995-Z3 \$16.54	<b>70996-Z3</b> \$16.54
CA/Y +	70990-C3 \$26.84	70991-C3 \$25.61	70992-C3 \$24.51	<b>70993-C3</b> \$23.49	<b>70994-C3</b> \$22.38	70995-C3 \$21.65	70996-C3 \$21.65	
6 x 60 Std. Pkg. 10	AO/X	71026 \$12.51	71027 \$11.89	71028 \$11.34	71029 \$10.83	71030 \$10.28	71031 \$9.91	71032 \$9.91
	ZA/Y +	71026-Z3 \$23.89	71027-Z3 \$22.71	71028-Z3 \$21.66	71029-Z3 \$20.68	71030-Z3 \$19.64	71031-Z3 \$18.92	71032-Z3 \$18.92
	CA/Y +	71026-C3 \$31.27	71027-C3 \$29.72	71028-C3 \$28.35	71029-C3 \$27.07	71030-C3 \$25.70	71031-C3 \$24.77	71032-C3 \$24.77
6 x 132 Std. Pkg. 10	AO/X	71036-02 \$23.14	71036-03 \$21.77	71036-04 \$20.57	71036-05 \$19.45	71037 \$18.24	71038 \$17.43	71039 \$17.43
	ZA/Y +	71036-02-Z3 \$44.19	71036-03-Z3 \$41.59	71036-04-Z3 \$39.29	71036-05-Z3 \$37.16	71037-Z3 \$34.84	71038-Z3 \$33.28	71039-Z3 \$33.28
	CA/Y +	71036-02-C3 \$57.84	71036-03-C3 \$54.43	71036-04-C3 \$51.43	71036-05-C3 \$48.63	71037-C3 \$45.60	71038-C3 \$43.56	71039-C3 \$43.56
6 x 300 Std. Pkg. 10	AO/X	710730-02 \$47.94	710730-03 \$44.84	710730-04 \$42.10	710730-05 \$39.56	710730-06 \$36.82	710730-07 \$34.96	710730-08 \$34.96
	ZA/Y +	710730-02-Z3 \$91.57	710730-03-Z3 \$85.65	710730-04-Z3 \$80.41	710730-05-Z3 \$75.56	710730-06-Z3 \$70.33	710730-07-Z3 \$66.77	710730-08-Z3 \$66.77
	CA/Y +	710730-02-C3 \$119.85	710730-03-C3 \$112.10	710730-04-C3 \$105.25	710730-05-C3 \$98.90	710730-06-C3 \$92.05	710730-07-C3 \$87.39	710730-08-C3 \$87.39
8 x 60 Std. Pkg. 10	AO/X	71080-02 \$16.67	71080-03 \$15.82	71080-04 \$15.08	71080-05 \$14.42	71080-06 \$13.68	71080-07 \$13.21	71080-08 \$13.21
	ZA/Y +	71080-02-Z3 \$31.84	71080-03-Z3 \$30.21	71080-04-Z3 \$28.81	71080-05-Z3 \$27.54	71080-06-Z3 \$26.14	71080-07-Z3 \$25.22	71080-08-Z3 \$25.22
	CA/Y +	71080-02-C3 \$41.67	71080-03-C3 \$39.54	71080-04-C3 \$37.71	71080-05-C3 \$36.05	71080-06-C3 \$34.21	71080-07-C3 \$33.02	71080-08-C3 \$33.02
8 x 107 Std. Pkg. 10	AO/X	71086 \$25.90	71087 \$24.38	71088 \$23.08	71089 \$21.89	71090 \$20.57	71091 \$19.73	71092 \$19.73
	ZA/Y +	71086-Z3 \$49.47	71087-Z3 \$46.57	71088-Z3 \$44.08	71089-Z3 \$41.81	71090-Z3 \$39.29	71091-Z3 \$37.69	71092-Z3 \$37.69
	CA/Y +	71086-C3 \$64.75	71087-C3 \$60.96	71088-C3 \$57.70	71089-C3 \$54.72	71090-C3 \$51.43	71091-C3 \$49.33	71092-C3 \$49.33

To calculate the list price for other materials, use the AO/X price with the multipliers shown on page 12.



# Narrow Belt Computation Table

To get the list price per belt for sizes not shown on previous pages:

1) Multiply the list price times the length of the belt (in inches).

(Round up fractional lengths and intermediate widths to the next full size.)

2) Add the joining charge.

3) Multiply the results by the material multiplier.



WIDTH INCHES	STD. PKG.	24	36	40	50	60	80	100 & F	JOINING CHARGE	WIDTH INCHES
1/4	50	0.0081	0.0073	0.0069	0.0065	0.0061	0.0057	0.0053	0.9124	1/4
3/8	50	0.0120	0.0106	0.0097	0.0091	0.0087	0.0081	0.0077	0.9124	3/8
1/2	50	0.0152	0.0138	0.0129	0.0122	0.0114	0.0107	0.0099	0.9124	1/2
5/8	50	0.0190	0.0168	0.0156	0.0145	0.0138	0.0129	0.0122	0.9124	5/8
3/4	50	0.0225	0.0199	0.0183	0.0172	0.0164	0.0152	0.0145	0.9124	3/4
1	50	0.0294	0.0259	0.0241	0.0226	0.0213	0.0195	0.0187	1.2164	1
1-1/4	50	0.0363	0.0320	0.0297	0.0278	0.0259	0.0241	0.0229	1.2164	1-1/4
1-1/2	10	0.0431	0.0370	0.0355	0.0332	0.0310	0.0286	0.0271	1.2164	1-1/2
1-3/4	10	0.0505	0.0443	0.0409	0.0385	0.0359	0.0332	0.0312	1.2164	1-3/4
2	10	0.0573	0.0501	0.0466	0.0436	0.0409	0.0379	0.0359	1.2164	2
2-1/4	10	0.0642	0.0561	0.0523	0.0489	0.0458	0.0424	0.0401	1.5210	2-1/4
2-1/2	10	0.0711	0.0624	0.0581	0.0543	0.0508	0.0470	0.0443	1.5210	2-1/2
3	10	0.0853	0.0745	0.0693	0.0646	0.0603	0.0558	0.0527	1.8249	3
3-1/2	10	0.0990	0.0869	0.0806	0.0754	0.0703	0.0650	0.0616	2.1309	3-1/2
4	10	0.1130	0.0990	0.0913	0.0861	0.0802	0.0743	0.0699	2.4334	4
4-1/2	10	0.1270	0.1114	0.1033	0.0964	0.0903	0.0834	0.0788	2.7373	4-1/2
5	10	0.1412	0.1235	0.1148	0.1071	0.1003	0.0922	0.0871	3.0413	5
6	10	0.1687	0.1476	0.1373	0.1282	0.1197	0.1106	0.1044	3.6491	6
7	10	0.1966	0.1723	0.1600	0.1492	0.1396	0.1285	0.1217	4.2576	7
8	10	0.2246	0.1966	0.1825	0.1703	0.1591	0.1469	0.1389	4.8661	8
9	10	0.2525	0.2208	0.2051	0.1914	0.1790	0.1649	0.1557	5.4747	9
10	10	0.2805	0.2451	0.2276	0.2127	0.1985	0.1832	0.1671	6.0826	10
11	10	0.3084	0.2697	0.2503	0.2337	0.2185	0.2013	0.1902	6.6911	11
12	10	0.3211	0.2809	0.2605	0.2432	0.2271	0.2084	0.1979	7.2989	12

Use the following multipliers for Narrow Belts Only! (12" & narrower)

Grain	Desc. (Part # Extension)	Grade	Mult.	Grain	Desc. (Part # Extension)	Grade	Mult.
A/O	AO/J PC <i>Pref. Econ. Choice</i> (-JPC)	JA165	1.00	S/C	SC/Y Standard W/P (-S)	PC221,S181	1.20
	AO/J Premium (-J2)	KAF	1.25	Z/A	ZA/X <i>Pref. Econ. Choice</i> (-ZPC)	XZ677	1.55
	AO/J Plus G.A. (-J3)	KA537	1.25		ZA/Y Standard W/P (-Z)	PZ628	1.67
	AO/X PC <i>Pref. Econ. Choice</i> (-PC)	XA167	0.93		ZA/Y Plus G.A. (-Z3)	R203	1.91
	AO/X Standard	XA911,R145	1.00	C/A	CA/Y Premium Wood (-C4)	YS945	1.65
	AO/X Open Coat (-4)	XA345,K35	1.00		CA/Y Firestorm Plus G.A. (-C3)	XK870	2.50
	AO/Y Plus G.A. (-Y)	R192	1.15				
	AO/Y Premium Poly W/P (-PM)	YA531,P355	1.20				
AO/Y Washable / OC (-4W)	W25	1.10					

Grain abbreviations: A/O = Aluminum Oxide, S/C = Silicon Carbide, Z/A = Zirconia Alumina, C/A = Ceramic Blend

Abbreviations: OC = Open Coat, W/P = Waterproof, G. A. = Grinding Aid

Shaded selections represent our most popular materials.

# Wide Cloth Belts

- AO/X Closed Coat** (For Metal) ....shown below
- AO/X Open Coat** (For Wood) ....add - 4 to part number (same price)
- AO/F Paper belts** (For Metal / Wood) ....add - F to part number (multiply price x .62)



Std. Pkg.: 3/Box - 24-80 Grit  
5/Box - 100 Grit & Finer

SIZE	GRIT / LIST EACH							
	60	80	100	120	150	180	220	240
25 x 48	72144	72145	72146	72147	72148	72149	72150	72151
	\$36.62	\$34.91	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77
25 x 60	72155	72156	72157	72158	72159	72160	72161	72162
	\$42.12	\$39.98	\$38.57	\$38.57	\$38.57	\$38.57	\$38.57	\$38.57
36 x 75	72232	72233	72234	72235	72236	72237	72238	72239
	\$70.58	\$66.68	\$64.15	\$64.15	\$64.15	\$64.15	\$64.15	\$64.15
37 x 60	72284	72285	72286	72287	72288	72289	72290	72291
	\$62.34	\$59.15	\$57.09	\$57.09	\$57.09	\$57.09	\$57.09	\$57.09
37 x 75	72307	72308	72309	72310	72311	72312	72313	72314
	\$72.52	\$68.54	\$65.95	\$65.95	\$65.95	\$65.95	\$65.95	\$65.95
50 x 103	72395	72396	72397	72398	72399	72400	72401	72402
	\$123.68	\$116.26	\$111.47	\$111.47	\$111.47	\$111.47	\$111.47	\$111.47
52 x 75	72439	72440	72441	72442	72443	72444	72445	72446
	\$101.92	\$96.30	\$92.69	\$92.69	\$92.69	\$92.69	\$92.69	\$92.69
52 x 103	72451	72452	72453	72454	72455	72456	72457	72458
	\$128.62	\$107.29	\$115.92	\$115.92	\$115.92	\$115.92	\$115.92	\$115.92

Other sizes & grits are available. Normal delivery is approximately 5 work days.

AO/X STANDARD is the base price. Use these multipliers for other materials. **For "Wide" Belts ONLY!**

Grain	Desc. (Part # Extension)	Grade	Mult.	Grain	Desc. (Part # Extension)	Grade	Mult.
A/O	AO/X PC Pref. Econ. Choice (-PC)	XA167	0.93	A/O	AO/F Paper OC (-F)	B317	0.62
	<b>AO/X Standard</b> (Shown Above)	XA911,R145	1.00	S/C	SC/Y Standard W/P (-S)	PC221,S181	1.13
	AO/X Open Coat (-4)	XA345,K35	1.00	Z/A	ZA/Y Standard (-Z)	PZ628	1.46
	AO/Y Plus G.A. (-Y)	R192	1.10		ZA/Y Plus G.A. (-Z3)	R203	1.62
	AO/Y Premium Poly W/P (-PM)	YA531,P355	1.14	C/A	CA/Y Prem. Wood (-C4)	S945	1.65
	AO/Y Washable / OC (-4W)	W25	1.07		CA/Y Plus G.A. (-C3)	XK870	2.50

Grain abbreviations: AO = Aluminum Oxide, SC = Silicon Carbide, ZA = Zirconia Alumina, CA = Ceramic Alumina, G.A. = Grinding Aid.

# Wide Belt Computation Table

To get the list price per belt for sizes not shown on previous pages:



1) Multiply the list price times the length of the belt (in inches).

2) Add the joining charge.

(Round up fractional lengths and intermediate widths to the next full size.)

3) Multiply the results by the appropriate material multiplier.

Std. Pkg.: 3/Box - 24-60 Grit  
5/Box - 80 Grit & Finer

WIDTH INCHES	24	36	40	50	60	80	100 & F	JOINING CHARGE	WIDTH INCHES
13"	0.3369	0.2944	0.2733	0.2550	0.2384	0.2196	0.2075	7.6067	13"
14"	0.3627	0.3172	0.3061	0.2746	0.2567	0.2365	0.2234	8.1918	14"
15"	0.3887	0.3398	0.3154	0.2942	0.2750	0.2534	0.2394	8.7770	15"
16"	0.4146	0.3624	0.3365	0.3138	0.2934	0.2703	0.2554	9.3621	16"
18"	0.4665	0.4077	0.3785	0.3531	0.3300	0.3041	0.2873	10.5324	18"
19"	0.4923	0.4303	0.3996	0.3726	0.3484	0.3210	0.3033	11.1173	19"
20"	0.5182	0.4531	0.4205	0.3922	0.3667	0.3379	0.3193	11.7026	20"
22"	0.5701	0.4983	0.4626	0.4315	0.4033	0.3717	0.3512	12.8729	22"
23"	0.5960	0.5210	0.4836	0.4511	0.4217	0.3886	0.3672	13.4580	23"
24"	0.6218	0.5436	0.5047	0.4708	0.4400	0.4055	0.3831	14.0431	24"
25"	0.6478	0.5662	0.5257	0.4904	0.4583	0.4223	0.3991	14.6283	25"
26"	0.6737	0.5889	0.5468	0.5100	0.4767	0.4392	0.4151	15.2134	26"
28"	0.7256	0.6342	0.5887	0.5492	0.5133	0.4730	0.4470	16.3837	28"
30"	0.7773	0.6795	0.6308	0.5884	0.5500	0.5068	0.4788	17.5539	30"
32"	0.8292	0.7249	0.6729	0.6277	0.5866	0.5406	0.5108	18.7242	32"
33"	0.8551	0.7475	0.6940	0.6473	0.6051	0.5575	0.5267	19.3093	33"
34"	0.8811	0.7701	0.7150	0.6668	0.6234	0.5744	0.5427	19.8955	34"
35"	0.9070	0.7928	0.7360	0.6865	0.6417	0.5913	0.5587	20.4796	35"
36"	0.9328	0.8155	0.7571	0.7061	0.6600	0.6082	0.5746	21.0645	36"
37"	0.9587	0.8381	0.7780	0.7257	0.6784	0.6251	0.5906	21.6496	37"
38"	0.9847	0.8607	0.7990	0.7453	0.6967	0.6420	0.6066	22.2350	38"
40"	1.0365	0.9060	0.8411	0.7846	0.7334	0.6758	0.6385	23.4052	40"
42"	1.0883	0.9514	0.8832	0.8237	0.7700	0.7095	0.6705	24.5755	42"
44"	1.1402	0.9967	0.9253	0.8630	0.8067	0.7433	0.7024	25.7458	44"
46"	1.1919	1.0419	0.9673	0.9023	0.8433	0.7771	0.7343	26.9160	46"
48"	1.2438	1.0873	1.0093	0.9415	0.8800	0.8109	0.7663	28.0863	48"
50"	1.2956	1.1325	1.0514	0.9807	0.9166	0.8447	0.7981	29.2590	50"
52"	1.3474	1.1778	1.0934	1.0199	0.9533	0.8785	0.8300	30.4268	52"

Use the following multipliers for **Wide Belts Only!** (13" & wider)

Grain	Desc. (Part # Extension)	Grade	Mult.	Grain	Desc. (Part # Extension)	Grade	Mult.
A/O	AO/X PC <i>Pref. Econ. Choice</i> (-PC)	XA167	0.93	A/O	AO/F Paper OC (-F)	B317	0.62
	AO/X <b>Standard</b> (Shown Above)	XA911,R145	1.00	S/C	SC/Y Standard W/P (-S)	PC221,S181	1.13
	AO/X <b>Open Coat (-4)</b> (Shown Above)	XA345,K35	1.00	Z/A	ZA/Y Standard W/P (-Z)	PZ628	1.46
	AO/Y Plus G.A. (-Y)	R192	1.10		ZA/Y Plus G.A. (-Z3)	R203	1.62
	AO/Y Premium Poly W/P (-PM)	YA531,P355	1.14	C/A	CA/Y Premium Wood (-C4)	YS945	1.65
	AO/Y Washable / OC (-4W)	W25	1.07		CA/Y Plus G.A. (-C3)	XK870	2.50

Grain abbreviations: A/O = Aluminum Oxide, S/C = Silicon Carbide, Z/A = Zirconia Alumina, C/A = Ceramic Blend

Abbreviations: OC = Open Coat, W/P = Waterproof, G. A. = Grinding Aid

# Quick-Lock Discs

**FIRESTORM Ceramic Plus**: Longest lasting grain. Grinding aid makes it excellent for high heat applications such as stainless steel, highly alloyed or hardened steels. Also works great on carbon steel.

**Zirc Plus**: Long lasting grain. Grinding aid makes it excellent for high heat applications such as stainless steel, highly alloyed or hardened steels. Also works great on carbon steel.

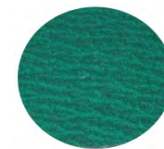
**AO Premium**: Premium AO grain on a heavy Y-Wt. polyester backing which adds durability & reduces edge wear. Good for general purpose applications.

**Competitive Products:**

3-M: 777F Regalite, 977F  
 Norton: Blaze R980P  
 Standard: Pinnacle Ceramic Ox.  
 Merit: Ultra Ceramic Plus

3-M: 577F  
 Norton: R821, R884  
 Standard: Power Zirc  
 Merit: Zirc Plus R801 / R203

3-M: 361F  
 Standard: AO Pro, AO 2-Ply  
 Merit: AO, Metal, Neon



**TYPE "S" Equal To:**  
 Norton Speed-Lok TS®  
 Standard Abr. SocAtt®  
 Merit Powerlock Type II®  
 3M Roloc TS®



**TYPE "R" Equal To:**  
 Norton Speed-Lok TR®  
 Standard Abr. Lockit®  
 Merit Powerlock Type III®  
 3M Roloc TR®

DIA.	GRIT	FIRESTORM			ZIRC PLUS			AO PREMIUM		
		TYPE "S"	TYPE "R"	LIST EA.	TYPE "S"	TYPE "R"	LIST EA.	TYPE "S"	TYPE "R"	LIST EA.
1-1/2" Std. Pkg. 100	36	32438	32638	\$ 0.71	319022	319122	\$ 0.56	31438	31638	\$ 0.45
	40	32439	32639	\$ 0.67	319023	319123	\$ 0.53	31439	31639	\$ 0.45
	50	32440	32640	\$ 0.65	319024	319124	\$ 0.53	31440	31640	\$ 0.44
	60	32441	32641	\$ 0.64	319025	319125	\$ 0.53	31441	31641	\$ 0.43
	80	32442	32642	\$ 0.60	319026	319126	\$ 0.53	31442	31642	\$ 0.42
	100	32443	32643	\$ 0.60	319027	319127	\$ 0.51	31443	31643	\$ 0.42
	120	32444	32644	\$ 0.60	319028	319128	\$ 0.51	31444	31644	\$ 0.42
2" Std. Pkg. 100	24	32449	32649	\$ 0.96	319031	319131	\$ 0.93	31449	31649	\$ 0.73
	36	32450	32650	\$ 0.91	319032	319132	\$ 0.84	31450	31650	\$ 0.68
	40	32451	32651	\$ 0.88	319033	319133	\$ 0.81	31451	31651	\$ 0.65
	50	32452	32652	\$ 0.86	319034	319134	\$ 0.78	31452	31652	\$ 0.63
	60	32453	32653	\$ 0.79	319035	319135	\$ 0.76	31453	31653	\$ 0.61
	80	32454	32654	\$ 0.77	319036	319136	\$ 0.73	31454	31654	\$ 0.59
	100	32455	32655	\$ 0.76	319037	319137	\$ 0.73	31455	31655	\$ 0.58
	120	32456	32656	\$ 0.76	319038	319138	\$ 0.73	31456	31656	\$ 0.58
	180	-	-	-	-	-	-	31458	31658	\$ 0.58
	240	-	-	-	-	-	-	31459	31659	\$ 0.58
320	-	-	-	-	-	-	31460	31660	\$ 0.58	
3" Std. Pkg. 50	24	32461	32661	\$ 1.37	319041	319141	\$ 1.20	31461	31661	\$ 0.95
	36	32462	32662	\$ 1.25	319042	319142	\$ 1.07	31462	31662	\$ 0.90
	40	32463	32663	\$ 1.17	319043	319143	\$ 1.03	31463	31663	\$ 0.86
	50	32464	32664	\$ 1.14	319044	319144	\$ 1.01	31464	31664	\$ 0.84
	60	32465	32665	\$ 1.09	319045	319145	\$ 0.99	31465	31665	\$ 0.82
	80	32466	32666	\$ 1.04	319046	319146	\$ 0.97	31466	31666	\$ 0.78
	100	32467	32667	\$ 1.04	319047	319147	\$ 0.93	31467	31667	\$ 0.77
	120	32468	32668	\$ 1.04	319048	319148	\$ 0.93	31468	31668	\$ 0.77
	180	-	-	-	-	-	-	31470	31670	\$ 0.77
	240	-	-	-	-	-	-	31471	31671	\$ 0.77
	320	-	-	-	-	-	-	31472	31672	\$ 0.77

1" & 4" are also available, minimums may apply.

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All discs shown above have a durable 2-ply blue backing. Both Type "S" & "R" buttons are spin-welded plastic.

**Firestorm** are also available with an "Extra Stiff" 3-PLY backing.

# Quick-Lock Discs: AO "EXTREME"

**AO "EXTREME":** New "Proprietary Blend" of AO & ceramic grain. Tests confirm they significantly outperform the competition's top AO products on most applications. Discs have an extra durable 2-ply red backing which reduces edge wear & snagging.



The Type "S" Button on our "Extreme" discs are made of metal.



AO "EXTREME"					
DIA.	GRIT	TYPE "P"	TYPE "S"	TYPE "R"	LIST EACH
1" Std. Pkg. 100	36	31214-E	31414-E	31614-E	\$ 0.41
	40	31215-E	31415-E	31615-E	\$ 0.40
	50	31216-E	31416-E	31616-E	\$ 0.38
	60	31217-E	31417-E	31617-E	\$ 0.38
	80	31218-E	31418-E	31618-E	\$ 0.36
	100	31219-E	31419-E	31619-E	\$ 0.36
	120*	31220-E	31420-E	31620-E	\$ 0.36
1-1/2" Std. Pkg. 100	36	31238-E	<b>31438-E</b>	31638-E	\$ 0.52
	40	31239-E	<b>31439-E</b>	31639-E	\$ 0.50
	50	31240-E	<b>31440-E</b>	31640-E	\$ 0.50
	60	31241-E	<b>31441-E</b>	31641-E	\$ 0.48
	80	31242-E	<b>31442-E</b>	31642-E	\$ 0.48
	100	31243-E	<b>31443-E</b>	31643-E	\$ 0.48
	120*	31244-E	<b>31444-E</b>	31644-E	\$ 0.48
2" Std. Pkg. 100	36	31250-E	<b>31450-E</b>	<b>31650-E</b>	\$ 0.76
	40	31251-E	<b>31451-E</b>	<b>31651-E</b>	\$ 0.71
	50	31252-E	<b>31452-E</b>	<b>31652-E</b>	\$ 0.69
	60	31253-E	<b>31453-E</b>	<b>31653-E</b>	\$ 0.67
	80	31254-E	<b>31454-E</b>	<b>31654-E</b>	\$ 0.66
	100	31255-E	<b>31455-E</b>	<b>31655-E</b>	\$ 0.66
	120*	31256-E	<b>31456-E</b>	<b>31656-E</b>	\$ 0.66
3" Std. Pkg. 50	36	31262-E	<b>31462-E</b>	<b>31662-E</b>	\$ 1.02
	40	31263-E	<b>31463-E</b>	<b>31663-E</b>	\$ 1.00
	50	31264-E	<b>31464-E</b>	<b>31664-E</b>	\$ 0.97
	60	31265-E	<b>31465-E</b>	<b>31665-E</b>	\$ 0.95
	80	31266-E	<b>31466-E</b>	<b>31666-E</b>	\$ 0.90
	100	31267-E	<b>31467-E</b>	<b>31667-E</b>	\$ 0.90
	120*	31268-E	<b>31468-E</b>	<b>31668-E</b>	\$ 0.90



AO "EXTREME"



TYPE "S" - Metal Button



TYPE "R"



TYPE "P"

\* Finer grits up to 320 are also available at the same price as 120 grit.  
3/4" & 4" are also available.  
Type "P" are non-stock, usually available in 3-5 days.

# Quick-Lock Holders



Std. Pkg. 1

DIA.	SH.	HARD.	RPM	TYPE "P"	TYPE "S"	TYPE "R"	LIST EA.
1"	1/4"	Med	40,000	<b>50234</b>	<b>50251</b>	<b>50257</b>	\$ 8.03
1-1/2"	1/4"	Med	25,000	<b>50237</b>	<b>50252</b>	<b>50258</b>	\$ 9.15
2"	1/4"	Soft	20,000	-	<b>50253SF</b>	<b>50259SF</b>	\$ 9.22
		Med	25,000	<b>50240</b>	<b>50253</b>	<b>50259</b>	\$ 9.22
		Firm	30,000	-	<b>50253FM</b>	<b>50259FM</b>	\$ 9.22
3"	1/4"	Soft	12,000	-	<b>50254SF</b>	<b>50260SF</b>	\$ 11.74
		Med	20,000	<b>50241</b>	<b>50254</b>	<b>50260</b>	\$ 11.74
		Firm	20,000	-	<b>50254FM</b>	<b>50260FM</b>	\$ 11.74



# Quick-Lock Discs: Compact Grain AO

**Compact Grain:** Each abrasive cluster consists of several pieces of abrasive grain that are bonded together to form a granulate. These granulates systematically wear down and create a very uniform finish through-out their useful life. They "look" very coarse, but will leave a smooth finish consistent with their grit marking. Discs have a durable 2-ply blue backing.



COMPACT GRAIN				
DIA.	GRIT	TYPE "S"	TYPE "R"	LIST EACH
2"	80	<b>33450</b>	<b>33650</b>	\$ 0.84
	120	<b>33452</b>	<b>33652</b>	\$ 0.80
	180	<b>33454</b>	<b>33654</b>	\$ 0.80
	240	<b>33456</b>	<b>33656</b>	\$ 0.80
	320	<b>33458</b>	33658	\$ 0.80
3"	400	33459	<b>33659</b>	\$ 0.80
	80	<b>33462</b>	<b>33662</b>	\$ 1.12
	120	<b>33464</b>	<b>33664</b>	\$ 1.06
	180	33466	<b>33666</b>	\$ 1.06
	240	33468	<b>33668</b>	\$ 1.06
Std. Pkg. 50	320	33470	<b>33670</b>	\$ 1.06
	400	33471	33671	\$ 1.06



AO COMPACT GRAIN

**Competitive Products:**  
 3-M: 359F Multicut  
 VSM: KK718X Compact Grain

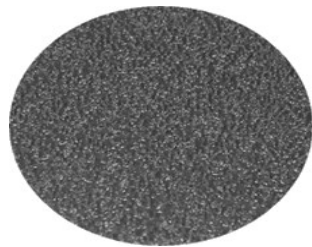


**Silicon Carbide:** This sharp grain provides fast cutting action on non-ferrous metals, such as aluminum & titanium. S/C grain can also be used where contamination from other grains is a concern. Discs have a durable 2-ply blue backing.

SILICON CARBIDE				
2"	36	<b>31450-SC</b>	<b>31650-SC</b>	\$ 0.74
	50	<b>31452-SC</b>	<b>31652-SC</b>	\$ 0.67
	60	<b>31453-SC</b>	<b>31653-SC</b>	\$ 0.64
	80	<b>31454-SC</b>	<b>31654-SC</b>	\$ 0.63
	100	<b>31455-SC</b>	<b>31655-SC</b>	\$ 0.63
	120	<b>31456-SC</b>	<b>31656-SC</b>	\$ 0.63
3"	180	<b>31458-SC</b>	<b>31658-SC</b>	\$ 0.63
	36	31462-SC	31662-SC	\$ 0.91
	50	31464-SC	31664-SC	\$ 0.86
	60	<b>31465-SC</b>	<b>31665-SC</b>	\$ 0.85
	80	<b>31466-SC</b>	<b>31666-SC</b>	\$ 0.84
	100	31467-SC	31667-SC	\$ 0.82
Std. Pkg. 50	120	<b>31468-SC</b>	<b>31668-SC</b>	\$ 0.82
	180	31470-SC	31670-SC	\$ 0.82

**Contaminate Free!!**

Can be used on aerospace materials without fear of contamination, as can occur with other abrasive grains.

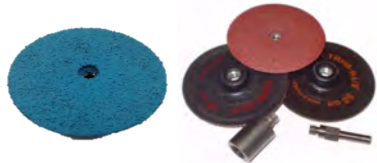


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# Trim-Kut Grinding Discs

Trim-Kut discs feature tough grain securely bonded to a durable plastic backing. The worn edges are easily trimmed to a smaller diameter to expose fresh grain. **Now Available: ZIRC PLUS !**

DIA.	GRIT	AO	LIST EACH	ZIRC	LIST EACH
3"	36	<b>31801</b>	\$ 1.66	<b>31801-ZS</b>	\$ 2.26
	60	<b>31802</b>	\$ 1.66	<b>31802-ZS</b>	\$ 2.26
	120	31803	\$ 1.66	31803-ZS	\$ 2.26
25/Box					



Mandrel: 1/4" Round Shank included at no charge with each box. Other adapters available.

# Resin Fiber Discs

**FIRESTORM CERAMIC:** Our NEWEST GENERATION ceramic grain. Works best on Medium to High pressure applications on heat sensitive materials such as stainless steel, titanium and other super alloys. *The "Top Sized" grinding aid also allows it to perform well on aluminum without loading!*

**"CS" CERAMIC:** Carbon Steel doesn't stand a chance against these ceramic alumina discs. The free cutting grain also excels on cast iron & fiberglass.

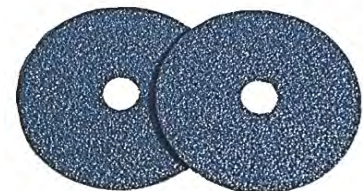
Std. Pkg. 25		FIRESTORM CERAMIC		"CS" CERAMIC	
SIZE DIA. x AH	GRIT	ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
4-1/2" x 7/8  Max. RPM 13,000	24	<b>37510</b>	\$ 2.11	<b>37310</b>	\$ 1.57
	36	<b>37511</b>	\$ 1.94	<b>37311</b>	\$ 1.37
	50	<b>37512</b>	\$ 1.55	<b>37312</b>	\$ 1.21
	60	<b>37513</b>	\$ 1.46	<b>37313</b>	\$ 1.11
	80	<b>37514</b>	\$ 1.33	<b>37314</b>	\$ 0.95
5" x 7/8  Max. RPM 11,900	24	<b>37518</b>	\$ 2.27	<b>37318</b>	\$ 1.85
	36	<b>37519</b>	\$ 2.12	<b>37319</b>	\$ 1.61
	50	<b>37520</b>	\$ 1.71	<b>37320</b>	\$ 1.43
	60	<b>37521</b>	\$ 1.70	<b>37321</b>	\$ 1.29
	80	<b>37522</b>	\$ 1.52	<b>37322</b>	\$ 1.14
7" x 7/8  Max. RPM 8,600	24	<b>37526</b>	\$ 4.03	<b>37326</b>	\$ 2.98
	36	<b>37527</b>	\$ 3.60	<b>37327</b>	\$ 2.62
	50	<b>37528</b>	\$ 2.96	<b>37328</b>	\$ 2.45
	60	<b>37529</b>	\$ 2.75	<b>37329</b>	\$ 2.24
	80	<b>37530</b>	\$ 2.77	<b>37330</b>	\$ 1.94



**ZIRC PREMIUM:** Our "Zee Type" discs feature a "stiffer" fiber backing than most other discs. They are individually coated which enhances the grain retention on the edge. ZIRC is the better choice for aggressive grinding on most materials.

**ZIRC "PC":** Our general purpose Zirc discs provide the right combination of reliable quality with low price.

Std. Pkg. 25		ZIRC PREMIUM		ZIRC "PC"	
SIZE DIA. x AH	GRIT	ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
4-1/2" x 7/8  Max. RPM 13,000	24	<b>37202</b>	\$ 1.56	<b>37202-PC</b>	\$ 1.08
	36	<b>37203</b>	\$ 1.42	<b>37203-PC</b>	\$ 1.02
	50	<b>37204</b>	\$ 1.34	<b>37204-PC</b>	\$ 0.97
	60	<b>37205</b>	\$ 1.28	<b>37205-PC</b>	\$ 0.92
	80	<b>37206</b>	\$ 1.21	<b>37206-PC</b>	\$ 0.88
5" x 7/8  Max. RPM 11,900	24	<b>37208</b>	\$ 1.66	<b>37208-PC</b>	\$ 1.21
	36	<b>37209</b>	\$ 1.60	<b>37209-PC</b>	\$ 1.12
	50	<b>37210</b>	\$ 1.45	<b>37210-PC</b>	\$ 1.02
	60	<b>37211</b>	\$ 1.38	<b>37211-PC</b>	\$ 1.00
	80	<b>37212</b>	\$ 1.32	<b>37212-PC</b>	\$ 0.95
7" x 7/8  Max. RPM 8,600	24	<b>37214</b>	\$ 2.55	<b>37214-PC</b>	\$ 1.82
	36	<b>37215</b>	\$ 2.49	<b>37215-PC</b>	\$ 1.70
	50	<b>37216</b>	\$ 2.42	<b>37216-PC</b>	\$ 1.65
	60	<b>37217</b>	\$ 2.25	<b>37217-PC</b>	\$ 1.58
	80	<b>37218</b>	\$ 2.12	<b>37218-PC</b>	\$ 1.50



All fiber discs are available with 5/8-11 Quick-Change Hub.

Add .58 to the list price.

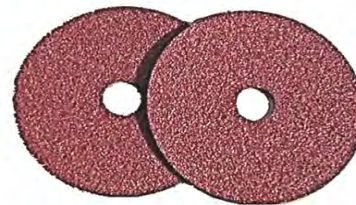
Back-up pads - page 22  
Also available: 4" & 9" discs

# Resin Fiber Discs: AO

**AO PREMIUM:** Our "A Type" premium discs feature a Blend of Premium AO grains to enhance cutting rates. They will outperform most competitors AO discs.

**AO "PC":** Our "C Type" general purpose AO discs feature a heavy fiber backing and a versatile AO grain. Our most economical disc - for use on most metals.

Std. Pkg. 25		AO PREMIUM		AO "PC"	
SIZE DIA. x AH	GRIT	ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
4-1/2" x 7/8  Max. RPM 13,000	24	<b>37110</b>	\$ 0.97	<b>37110-PC</b>	\$ 0.73
	36	<b>37111</b>	\$ 0.90	<b>37111-PC</b>	\$ 0.69
	50	<b>37112</b>	\$ 0.84	<b>37112-PC</b>	\$ 0.66
	60	<b>37113</b>	\$ 0.80	<b>37113-PC</b>	\$ 0.65
	80	<b>37114</b>	\$ 0.76	<b>37114-PC</b>	\$ 0.62
	120	<b>37116</b>	\$ 0.76	<b>37116-PC</b>	\$ 0.62
5" x 7/8  Max. RPM 11,900	24	<b>37118</b>	\$ 1.04	<b>37118-PC</b>	\$ 0.73
	36	<b>37119</b>	\$ 0.98	<b>37119-PC</b>	\$ 0.73
	50	<b>37120</b>	\$ 0.90	<b>37120-PC</b>	\$ 0.71
	60	<b>37121</b>	\$ 0.86	<b>37121-PC</b>	\$ 0.66
	80	<b>37122</b>	\$ 0.81	<b>37122-PC</b>	\$ 0.65
	120	<b>37124</b>	\$ 0.81	<b>37124-PC</b>	\$ 0.65
7" x 7/8  Max. RPM 8,600	24	<b>37126</b>	\$ 1.60	<b>37126-PC</b>	\$ 1.29
	36	<b>37127</b>	\$ 1.54	<b>37127-PC</b>	\$ 1.24
	50	<b>37128</b>	\$ 1.50	<b>37128-PC</b>	\$ 1.20
	60	<b>37129</b>	\$ 1.40	<b>37129-PC</b>	\$ 1.15
	80	<b>37130</b>	\$ 1.32	<b>37130-PC</b>	\$ 1.11
	120	<b>37132</b>	\$ 1.32	<b>37132-PC</b>	\$ 1.11



All fiber discs are available with 5/8-11 Quick-Change Hub.

Add .58 to the list price.

Also available: 4" & 9" discs

# Back-Up Pads

**RUBBER "Spiral Vented"** Std. Pkg. 1

DESCRIPTION	MAX RPM	ITEM NO.	LIST EACH
4-1/2" Med (R425R)	13,500	<b>50401</b>	\$ 17.74
5" Med (R500R)	13,000	<b>50404</b>	\$ 21.35
7" Med (R700R)	8,600	<b>50410</b>	\$ 32.26
7" Firm (H700R)	8,600	<b>50411</b>	\$ 32.26
9" Med (R900R)	6,600	<b>50415</b>	\$ 38.59
5/8-11 Center Nut (sold separately)		<b>50418</b>	\$ 7.56



**Rubber: "Spiral Vented"**  
"Made in the USA"

Each pad threads onto the 5/8-11 tool shaft.

Center Nuts are **sold separately.**

**HEAVY DUTY "Glass Fiber Reinforced"**

DESCRIPTION	MAX RPM	ITEM NO.	LIST EACH
4-1/2" Firm w/nut	13,000	<b>50436</b>	\$ 16.49
5" Firm w/nut	12,000	<b>50437</b>	\$ 19.59
7" Firm w/nut	8,500	<b>50438</b>	\$ 29.78
5/8-11 Center Nut (Each HD pad includes a free center nut)			



**Heavy Duty: "Glass Fiber Reinforced"** with vented ribs.

Very RIGID & heat resistant. Ideal for grits 50 & coarser. New design includes vent holes and is completely flat.

Center Nuts are **included at no charge.**

**GENERAL PURPOSE: Smooth Face**

DESCRIPTION	MAX RPM	ITEM NO.	LIST EACH
4-1/2" MED. w/nut	13,000	<b>50431</b>	\$ 10.51
5" MED. w/nut	12,000	<b>50432</b>	\$ 12.87
7" MED. w/nut	8,500	<b>50433</b>	\$ 17.90
5/8-11 Center Nut (Each GP pad includes a free center nut)			





# FASTRIM® Flap Discs

Plastic Backing Plate - (Trimmable)

## FASTRIM® FIRESTORM®

Firestorm Ceramic Plus - BEST CHOICE for STAINLESS STEEL and hard-to-grind alloys. Works great on most other materials - including carbon steel.



FASTRIM® Discs are Trimmable and Rigid. *The plastic backing plate can easily be trimmed to allow more of the disc to be consumed. The flaps are tightly compressed and are placed on a 4-degree angle to optimize stock removal.*

## FASTRIM® PREMIUM ZIRC

BEST CHOICE for CARBON STEEL. Works great on most other materials - including stainless steel.

SIZE DIA. x ARBOR		GRIT	RIGID DENSITY			
			FIRESTORM® TYPE 4° LIST EACH		PREM. ZIRC TYPE 4° LIST EACH	
4-1/2" x 7/8 Max. RPM 13,300	40		<b>10984T</b>	\$ 10.32	<b>10824T</b>	\$ 7.98
	60		<b>10985T</b>	\$ 9.20	<b>10825T</b>	
	80		<b>10986T</b>	\$ 9.20	<b>10826T</b>	
4-1/2" x 5/8-11 Max. RPM 13,300	40		<b>10974T</b>	\$ 12.33	<b>10814T</b>	\$ 10.00
	60		<b>10975T</b>	\$ 11.20	<b>10815T</b>	
	80		<b>10976T</b>	\$ 11.20	<b>10816T</b>	



# FIRESTORM® Ceramic Flap Discs

Fiberglass Backing Plate

**FIRESTORM®:** Ceramic Plus - BEST CHOICE for STAINLESS STEEL and hard-to-grind alloys. Works great on most other materials - including carbon steel.

SIZE DIA. x ARBOR		GRIT	STANDARD DENSITY		
			FIRESTORM® TYPE 29 TYPE 27 LIST EACH		
4-1/2" x 7/8 Max. RPM 13,300	36		<b>10923AF</b>	<b>10923FF</b>	\$ 7.12
	40		<b>10924AF</b>	<b>10924FF</b>	
	60		<b>10925AF</b>	<b>10925FF</b>	
	80		<b>10926AF</b>	<b>10926FF</b>	
4-1/2" x 5/8-11 Max. RPM 13,300	36		<b>10913AF</b>	<b>10913FF</b>	\$ 9.18
	40		<b>10914AF</b>	<b>10914FF</b>	
	60		<b>10915AF</b>	<b>10915FF</b>	
	80		<b>10916AF</b>	<b>10916FF</b>	
7" x 7/8 Max. RPM 8,600	36		<b>10963AF</b>	<b>10963FF</b>	\$ 15.50
	40		<b>10964AF</b>	<b>10964FF</b>	
	60		<b>10965AF</b>	<b>10965FF</b>	
	80		<b>10966AF</b>	<b>10966FF</b>	
7" x 5/8-11 Max. RPM 8,600	36		<b>10953AF</b>	<b>10953FF</b>	\$ 17.76
	40		<b>10954AF</b>	<b>10954FF</b>	
	60		<b>10955AF</b>	<b>10955FF</b>	
	80		<b>10956AF</b>	<b>10956FF</b>	



Type 29 (AF = angled face): "Built-in" angle for increased contact area & more aggressive stock removal.



Type 27 (FF = flat face): Better for blending & finishing applications.



# Zirc Flap Discs

Fiberglass Backing Plate

**PREMIUM ZIRC:** BEST CHOICE for CARBON STEEL. Works great on most other materials, including stainless steel.

**Standard-Density:** discs are compact - making them more aggressive.



**Hi-Density:** discs have approximately 50% more material which provides a more "CUSHIONED" effect for grinding/finishing operations.



Std. Pkg. 10

SIZE		STANDARD DENSITY			HI-DENSITY		
DIA. x ARBOR	GRIT	TYPE 29	TYPE 27	LIST EACH	TYPE 29	TYPE 27	LIST EACH
4-1/2" x 7/8" Max. RPM 13,300	36	10823AF	10823FF	\$ 5.15	10623AF	10623FF	\$ 6.50
	40	10824AF	10824FF		10624AF	10624FF	
	60	10825AF	10825FF		10625AF	10625FF	
	80	10826AF	10826FF		10626AF	10626FF	
	120	10827AF	10827FF		10627AF	10627FF	
4-1/2" x 5/8-11 Max. RPM 13,300	36	10813AF	10813FF	\$ 5.15	10613AF	10613FF	\$ 8.45
	40	10814AF	10814FF		10614AF	10614FF	
	60	10815AF	10815FF		10615AF	10615FF	
	80	10816AF	10816FF		10616AF	10616FF	
	120	10817AF	10817FF		10617AF	10617FF	
6" x 7/8" Max. RPM 10,200	36	10848AF	10848FF	\$ 9.01	-	-	\$ 11.14
	40	10849AF	10849FF		10649AF	-	
	60	10850AF	10850FF		10650AF	-	
	80	10851AF	10851FF		10651AF	-	
6" x 5/8-11 Max. RPM 10,200	36	10838AF	10838FF	\$ 10.83	-	-	\$ 12.96
	40	10839AF	10839FF		10639AF	-	
	60	10840AF	10840FF		10640AF	-	
	80	10841AF	10841FF		10641AF	-	
7" x 7/8" Max. RPM 8,600	36	10863AF	10863FF	\$ 10.29	10663AF	10663FF	\$ 13.60
	40	10864AF	10864FF		10664AF	10664FF	
	60	10865AF	10865FF		10665AF	10665FF	
	80	10866AF	10866FF		10666AF	10666FF	
7" x 5/8-11 Max. RPM 8,600	36	10853AF	10853FF	\$ 13.02	10653AF	10653FF	\$ 16.32
	40	10854AF	10854FF		10654AF	10654FF	
	60	10855AF	10855FF		10655AF	10655FF	
	80	10856AF	10856FF		10656AF	10656FF	

# Mini Zirc Flap Discs

These zirc flap discs are rigid & aggressive - great for rapid stock removal! Unlike some competitors, both Type S & R **will fit conventional quick-lock holders**. (Our Type "S" does not require a "special" steel mandrel).



Std. Pkg. 10 Type - 27 Flat

DIA.	TYPE	MAX RPM	GRIT / ITEM NO.					LIST EACH
			36	40	60	80	120	
2"	R	30,000	31718FD	31719FD	31721FD	31722FD	31724FD	\$ 3.49
	S		31535FD	31536FD	31538FD	31539FD	31541FD	
3"	R	20,000	31726FD	31727FD	31729FD	31730FD	31732FD	\$ 4.38
	S		31547FD	31548FD	31550FD	31551FD	31553FD	

Holders - page 19

# Mounted Flap Wheels

**Premium:** These wheels are made from Premium Egyptian Cotton. They have a high flap count & yet are flexible. They do not throw excessive dust, like many other wheels. They are considered by many to be the finest flap wheels available.



**PC:** (Preferred's Economy Choice) - These wheels have a quality X-Wt. cotton backing (stiffer than our Premium wheels).

## 1/4" Shank

Std. Pkg. 10

SIZE			PREMIUM GRIT / ITEM NO.							LIST
DIA. x WIDTH	MAX RPM		40	60	80	120	180	240	320	EACH
3/4"	3/4"	35,000	11139-1	<b>11139-3</b>	<b>11139-4</b>	<b>11139-5</b>	11139-6	11139-7	11139-8	\$ 3.96
1"	5/8"	30,000	-	<b>11156</b>	<b>11157</b>	<b>11159</b>	11161	11163	11165	\$ 3.58
1"	1"	30,000	<b>11167</b>	<b>11169</b>	<b>11170</b>	<b>11172</b>	11174	11176	11178	\$ 3.29
1-1/2"	1/2"	30,000	<b>11206</b>	<b>11208</b>	<b>11209</b>	11211	11213	11215	11217	\$ 4.16
1-1/2"	1"	30,000	11232	<b>11234</b>	<b>11235</b>	<b>11237</b>	11239	11241	11243	\$ 4.49
2"	1/2"	25,000	<b>11258</b>	<b>11260</b>	<b>11261</b>	<b>11263</b>	11265	11267	11269	\$ 4.80
2"	3/4"	25,000	11271	<b>11273</b>	<b>11274</b>	11276	11278	11280	11282	\$ 5.20
2"	1"	25,000	<b>11284</b>	<b>11286</b>	<b>11287</b>	<b>11289</b>	<b>11291</b>	<b>11293</b>	<b>11295</b>	\$ 5.01
2"	1-1/2"	25,000	11297	<b>11299</b>	11300	11302	11304	11306	11308	\$ 6.40
2-1/2"	1"	23,000	11336	<b>11338</b>	<b>11339</b>	<b>11341</b>	11343	11345	11347	\$ 6.35
3"	1/2"	23,000	<b>11362</b>	<b>11364</b>	<b>11365</b>	<b>11367</b>	<b>11369</b>	11371	11373	\$ 5.56
3"	3/4"	23,000	11375	11377	11378	11380	11382	11384	11386	\$ 6.40
3"	1"	23,000	<b>11388</b>	<b>11390</b>	<b>11391</b>	<b>11393</b>	11395	11397	11399	\$ 6.19
3"	1-1/2"	20,000	11401	<b>11403</b>	11404	11406	11408	11410	11412	\$ 7.61
3"	2"	12,000	11414	<b>11416</b>	<b>11417</b>	11419	11421	11423	11425	\$ 9.91

## "PC"

1"	5/8"	30,000	-	13156	13157	13159	-	-	-	\$ 2.47
1"	1"	30,000	<b>13167</b>	<b>13169</b>	<b>13170</b>	<b>13172</b>	13174	13176	13178	\$ 2.32
1-1/2"	1/2"	30,000	-	13208	13209	13211	13213	13215	13217	\$ 2.47
1-1/2"	1"	30,000	13232	<b>13234</b>	<b>13235</b>	<b>13237</b>	13239	13241	13243	\$ 2.81
2"	1/2"	25,000	13258	13260	13261	13263	13265	13267	13269	\$ 3.24
2"	1"	25,000	<b>13284</b>	<b>13286</b>	<b>13287</b>	<b>13289</b>	13291	13293	13295	\$ 3.43
2-1/2"	1"	23,000	-	<b>13338</b>	<b>13339</b>	<b>13341</b>	13343	13345	13347	\$ 4.06
3"	1/2"	23,000	-	13364	13365	13367	-	-	-	\$ 4.36
3"	1"	23,000	<b>13388</b>	<b>13390</b>	<b>13391</b>	<b>13393</b>	13395	13397	13399	\$ 4.41
3"	1-1/2"	20,000	-	13403	13404	13406	-	-	-	\$ 7.03

## 1/4-20 Shank



Std. Pkg. 10

SIZE			PREMIUM GRIT / ITEM NO.							LIST
DIA. x WIDTH	MAX RPM		40	60	80	120	180	240	320	EACH
1"	1"	30,000	12148	<b>12150</b>	<b>12151</b>	<b>12153</b>	12155	12157	12159	\$ 4.02
1-1/2"	1"	30,000	12187	12189	12190	12192	12194	12196	12198	\$ 4.91
2"	1"	25,000	12239	<b>12241</b>	<b>12242</b>	12244	12246	12248	12250	\$ 6.13
3"	1"	23,000	12343	12345	12346	12348	12350	12352	12354	\$ 7.58

## "PC"

1"	1"	30,000	14167	14169	14170	14172	14174	-	-	\$ 2.55	
1-1/2"	1"	30,000	14232	14234	14235	14237	-	-	-	\$ 3.09	
2"	1"	25,000	14284	14286	14287	14289	14291	-	-	\$ 3.78	
3"	1"	23,000	14388	14390	14391	14393	14395	-	-	\$ 4.85	
Spin-on adapter			1/4-20							<b>50931</b>	\$ 2.27
6" OAL Spin-on adapter			1/4-20 x 6" Long							<b>50933</b>	\$ 11.78

## Mounted Flap Wheels -Cont'd.

**1/8" Shank  
Prem. Mini's**



Std. Pkg. 10

SIZE		MAX RPM	PREMIUM GRIT / ITEM NO.						LIST EACH
			60	80	120	180	240	320	
DIA. x WIDTH									
3/8"	3/8"	40,000	<b>11082-3</b>	<b>11082-4</b>	<b>11082-5</b>	<b>11082-6</b>	<b>11082-7</b>	<b>11082-8</b>	\$ 4.85
5/8"	5/8"	40,000	11090-3	<b>11090-4</b>	<b>11090-5</b>	11090-6	11090-7	11090-8	\$ 4.59
5/8"	3/4"	40,000	<b>11091-3</b>	<b>11091-4</b>	<b>11091-5</b>	11091-6	11091-7	11091-8	\$ 4.59
3/4"	3/16"	35,000	11104-3	<b>11104-4</b>	<b>11104-5</b>	11104-6	11104-7	11104-8	\$ 3.92
3/4"	3/8"	35,000	11117-3	<b>11117-4</b>	<b>11117-5</b>	11117-6	11117-7	11117-8	\$ 3.82
3/4"	1/2"	35,000	11127-3	<b>11127-4</b>	<b>11127-5</b>	11127-6	11127-7	11127-8	\$ 3.82
3/4"	5/8"	35,000	<b>11128-3</b>	<b>11128-4</b>	<b>11128-5</b>	11128-6	11128-7	11128-8	\$ 3.82
3/4"	3/4"	35,000	<b>11129-3</b>	<b>11129-4</b>	<b>11129-5</b>	<b>11129-6</b>	<b>11129-7</b>	11129-8	\$ 4.76
1-3/16"	1/8"	30,000	11179-3	<b>11179-4</b>	<b>11179-5</b>	<b>11179-6</b>	11179-7	11179-8	\$ 4.22
1-3/16"	3/16"	30,000	11182-3	<b>11182-4</b>	<b>11182-5</b>	<b>11182-6</b>	11182-7	11182-8	\$ 3.94
1-3/16"	3/8"	30,000	11195-3	<b>11195-4</b>	<b>11195-5</b>	<b>11195-6</b>	11195-7	11195-8	\$ 3.96

## Bore Polishers

AO/X Resin Bond

Bore Polishers have a spring-action design so they automatically adjust to the inside diameter on every pass. Perfectly balanced & self centering, they provide fast cleaning and polishing of interior cylinders.

BP-300



BP-400



BP-800



Std. Pkg. 10

STYLE #	I.D. RANGE	GRIT	ITEM NO.	LIST EACH
BP-305	3/4 to 1"	60	<b>12804</b>	\$ 5.54
		80	<b>12805</b>	
		120	<b>12807</b>	
BP-405	1 to 1-1/2"	60	<b>12815</b>	\$ 10.28
		80	<b>12816</b>	
		120	<b>12818</b>	
BP-410	1-1/2 to 2"	60	<b>12826</b>	\$ 10.77
		80	<b>12827</b>	
		120	<b>12829</b>	
BP-415	2-1/8 to 2-1/2"	60	<b>12837</b>	\$ 11.32
		80	<b>12838</b>	
		120	<b>12840</b>	
BP-420	2-1/2 to 3"	60	12848	\$ 11.82
		80	<b>12849</b>	
		120	<b>12851</b>	
BP-425	3-1/8 to 4"	60	12859	\$ 12.18
		80	12860	
		120	12862	
BP-810	2 to 2-1/2"	60	<b>12870</b>	\$ 19.31
		80	<b>12871</b>	
		120	12873	

Zirconia is also available.

STYLE #	I.D. RANGE	GRIT	ITEM NO.	LIST EACH
BP-815	2-5/8 to 3"	60	12881	\$ 20.18
		80	12882	
		120	<b>12884</b>	
BP-820	3-1/8 to 4"	60	12892	\$ 21.32
		80	<b>12893</b>	
		120	12895	
BP-825	4-1/4 to 5-1/4"	60	12903	\$ 22.40
		80	12904	
		120	12906	
BP-830	5-1/4 to 5-7/8"	60	12914	\$ 23.48
		80	12915	
		120	12917	

Std. Pkg. 1

MANDREL #	THRD.	ITEM NO.	LIST EACH
BPM-3	5/16-18	<b>12950</b>	\$ 7.66
BPM-4	1/2-20	<b>12951</b>	\$ 9.94
BPM-8	1/4-20	<b>12952</b>	\$ 2.79
4" Extension	1/4-20	<b>12953</b>	\$ 4.87
6" Extension	1/4-20	<b>12954</b>	\$ 5.19
8" Extension	1/4-20	<b>12955</b>	\$ 6.21

# Unmounted Flap Wheels

Premium Egyptian Cotton (FLEXIBLE)

SIZE DIA. x WIDTH x AH	GRIT	ITEM NO.	LIST EACH
6 x 1/2 x 1 Std. Pkg. 5 Max RPM 5,700	40	10231	\$ 23.52
	60	10233	\$ 25.31
	80	10234	\$ 26.39
	120	10236	\$ 26.39
6 x 1 x 1 Std. Pkg. 5 Max RPM 5,700	40	<b>10241</b>	\$ 20.71
	50	<b>10242</b>	\$ 22.50
	60	<b>10243</b>	\$ 21.45
	80	<b>10244</b>	\$ 22.64
6 x 1-1/2 x 1 Std. Pkg. 5 Max RPM 5,700	120	10246	\$ 24.51
	40	<b>10261</b>	\$ 23.14
	60	<b>10263</b>	\$ 24.54
	80	<b>10264</b>	\$ 25.31
6 x 2 x 1 Std. Pkg. 5 Max RPM 5,700	120	10266	\$ 27.46
	40	<b>10281</b>	\$ 34.71
	60	<b>10283</b>	\$ 35.78
	80	<b>10284</b>	\$ 37.75
8 x 1 x 1 Std. Pkg. 3 Max RPM 4,300	120	10286	\$ 41.12
	60	<b>10343</b>	\$ 36.22
	80	<b>10344</b>	\$ 36.70
	120	10346	\$ 38.08

Other sizes and grits are available.



Unmounted flap wheels are an excellent choice for applying a "grain effect" or for general polishing & deburring.

## Arbor Reducer Bushings

Std. Pkg. 1 Pair



SIZE	ITEM NO.	LIST / PAIR
1" to 1/2"	<b>10502</b>	\$ 2.27
1" to 5/8"	<b>10503</b>	\$ 2.27
1" to 3/4"	<b>10504</b>	\$ 2.27

# Mini Hook & Loop Discs

DIA.	GRIT	GOLD PAPER	BLUE FILM	LIST EACH
		ITEM NO.	ITEM NO.	
2" Std. Pkg. 100	80	<b>34933-06</b>	<b>35062-06</b>	\$ 0.30
	120	<b>34933-08</b>	<b>35062-08</b>	\$ 0.27
	180	<b>34933-10</b>	<b>35062-10</b>	\$ 0.27
	240	<b>34933-12</b>	<b>35062-12</b>	\$ 0.27
	320	<b>34933-14</b>	<b>35062-14</b>	\$ 0.27
	400	<b>34933-15</b>	<b>35062-15</b>	\$ 0.27
	600	<b>34933-17</b>	<b>35062-17</b>	\$ 0.34
800**	-	<b>35062-18</b>	\$ 0.34	
3" Std. Pkg. 100	80	<b>349331-06</b>	<b>35063-06</b>	\$ 0.35
	120	<b>349331-08</b>	<b>35063-08</b>	\$ 0.32
	180	<b>349331-10</b>	<b>35063-10</b>	\$ 0.32
	240	<b>349331-12</b>	<b>35063-12</b>	\$ 0.32
	320	<b>349331-14</b>	<b>35063-14</b>	\$ 0.32
	400	<b>349331-15</b>	<b>35063-15</b>	\$ 0.32
	600	<b>349331-17</b>	<b>35063-17</b>	\$ 0.41
800**	-	<b>35063-18</b>	\$ 0.41	

\*\* Blue Film 800, 1000, 1200, 1500, 2000 are all available at the same price.



## Mini H&L Pads

DIA. x SHANK	FOAM DENS.	ITEM NO.	LIST EA
2" x 1/4 6,000 Max RPM	3/4" Soft	53902-F	\$ 11.15
3" x 1/4 6,000 Max RPM	3/4" Soft	53903-F	\$ 11.92
3" x 5/16-24 12,000 Max RPM	3/8" Firm	53903-2	\$ 18.50

# DA Discs

**Gold Paper:** Premium AO grain, resin bonded to a high quality latex backing (B-wt.). The stearate coating and open grain structure helps prevents loading. Heavy E-wt. paper (grits 36-60) is also available in PSA or H & L.

**Blue Film:** Precision-graded AO grain, resin-bonded to a flexible and durable film backing. Provides a fast cut with uniform finish. Non-loading, for use on metal, plastic, fiberglass, wood, or solid-surface composites.

GOLD PAPER						
DIA.	GRIT	PSA DISC ROLLS		H & L DISCS		
		ITEM NO.	LIST EACH	ITEM NO.	LIST EACH	
5"	60	<b>34967-05</b>	\$ 34.77	34935-05	\$ 0.46	
	80	<b>34967-06</b>	\$ 30.22	34935-06	\$ 0.45	
	100	<b>34967-07</b>	\$ 25.89	34935-07	\$ 0.40	
	PSA Disc Rolls Std. Pkg. 1 Roll (100 discs/roll)	120	<b>34967-08</b>	\$ 25.89	34935-08	\$ 0.40
		180	<b>34967-10</b>	\$ 25.89	34935-10	\$ 0.40
		220	<b>34967-11</b>	\$ 25.89	34935-11	\$ 0.40
		240	<b>34967-12</b>	\$ 25.89	34935-12	\$ 0.40
	H & L Discs Std. Pkg. 50	320	<b>34967-14</b>	\$ 25.89	34935-14	\$ 0.40
		400	<b>34967-15</b>	\$ 25.89	34935-15	\$ 0.40
		600	<b>34967-17</b>	\$ 25.89	34935-17	\$ 0.40
6"		60	<b>34972</b>	\$ 47.01	34936-05	\$ 0.64
	80	<b>34973</b>	\$ 40.87	<b>34936-06</b>	\$ 0.61	
	100	<b>34974</b>	\$ 34.63	34936-07	\$ 0.52	
	PSA Disc Rolls Std. Pkg. 1 Roll (100 discs/roll)	120	<b>34975</b>	\$ 34.63	<b>34936-08</b>	\$ 0.52
		180	<b>34977</b>	\$ 34.63	<b>34936-10</b>	\$ 0.52
		220	<b>34978</b>	\$ 34.63	34936-11	\$ 0.52
		240	<b>34979</b>	\$ 34.63	34936-12	\$ 0.52
	H & L Discs Std. Pkg. 50	320	<b>34981</b>	\$ 34.63	34936-14	\$ 0.52
		400	<b>34982</b>	\$ 34.63	34936-15	\$ 0.52
		600	<b>34983</b>	\$ 34.63	34936-17	\$ 0.52

**GOLD PAPER**  
**Competitive Products:**  
 3-M: 216U, 236U  
 Norton: A-290, PB273



BLUE FILM						
DIA.	GRIT	PSA DISCS		H & L DISCS		
		ITEM NO.	LIST EACH	ITEM NO.	LIST EACH	
5"	80	<b>35055-06</b>	\$ 0.46	<b>35065-06</b>	\$ 0.49	
	100	<b>35055-07</b>	\$ 0.43	35065-07	\$ 0.46	
	120	<b>35055-08</b>	\$ 0.43	<b>35065-08</b>	\$ 0.46	
	PSA Discs Std. Pkg. 100	180	<b>35055-10</b>	\$ 0.43	<b>35065-10</b>	\$ 0.46
		220	<b>35055-11</b>	\$ 0.43	<b>35065-11</b>	\$ 0.46
		240	<b>35055-12</b>	\$ 0.43	<b>35065-12</b>	\$ 0.46
		320	<b>35055-14</b>	\$ 0.43	<b>35065-14</b>	\$ 0.46
	H & L Discs Std. Pkg. 50	400	<b>35055-15</b>	\$ 0.43	<b>35065-15</b>	\$ 0.46
		600	<b>35055-17</b>	\$ 0.48	<b>35065-17</b>	\$ 0.61
		800	35055-18	\$ 0.48	35065-18	\$ 0.61
		1000	35055-19	\$ 0.48	35065-19	\$ 0.61
		1200	35055-20	\$ 0.48	35065-20	\$ 0.61
		1500	35055-21	\$ 0.48	35065-21	\$ 0.61
		2000	35055-22	\$ 0.48	35065-22	\$ 0.61
6"		80	<b>35056-06</b>	\$ 0.62	<b>35066-06</b>	\$ 0.66
	100	35056-07	\$ 0.59	35066-07	\$ 0.59	
	120	<b>35056-08</b>	\$ 0.59	<b>35066-08</b>	\$ 0.59	
	PSA Discs Std. Pkg. 100	180	<b>35056-10</b>	\$ 0.59	<b>35066-10</b>	\$ 0.59
		220	<b>35056-11</b>	\$ 0.59	<b>35066-11</b>	\$ 0.59
		240	<b>35056-12</b>	\$ 0.59	<b>35066-12</b>	\$ 0.59
		320	<b>35056-14</b>	\$ 0.59	<b>35066-14</b>	\$ 0.59
	H & L Discs Std. Pkg. 50	400	<b>35056-15</b>	\$ 0.59	<b>35066-15</b>	\$ 0.59
		600	35056-17	\$ 0.73	<b>35066-17</b>	\$ 0.93
		800	35056-18	\$ 0.73	<b>35066-18</b>	\$ 0.93
		1000	35056-19	\$ 0.73	<b>35066-19</b>	\$ 0.93
		1200	35056-20	\$ 0.73	35066-20	\$ 0.93
		1500	35056-21	\$ 0.73	35066-21	\$ 0.93
		2000	<b>35056-22</b>	\$ 0.73	35066-22	\$ 0.93

**BLUE FILM**  
**Competitive Products:**  
 3-M: 366L  
 3M: 255L, 360L  
 Norton: Q130  
 Sun: Q711T, L312T



**Advantages of Film over Gold paper:**

- Longer lasting
- Flexible backing is waterproof & tear resistant
- Stronger grain adhesion
- Uniform grain size eliminates stray scratches

Also available with vacuum holes, ADD 10%.

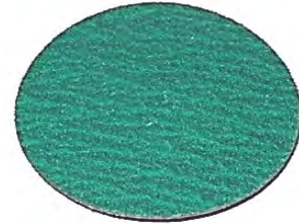
DA holders - page 29

# Zirc PSA Discs

**Zirc Plus:** Long lasting, self-sharpening grain with a grinding aid. Best choice for tough applications & heavy stock removal, but works great on most materials. Grinding Aid helps reduce loading & heat.

**"PC" Zirc:** (Preferred's Economy Choice) - Blue Zirc without grinding aid. Good choice for mild / carbon steel.

DIA.	GRIT	ZIRC PLUS		"PC" ZIRC	
		ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
5"	36	<b>30438-Z3</b>	\$ 1.67	<b>30438-Z</b>	\$ 1.34
	40	30439-Z3	\$ 1.60	30439-Z	\$ 1.29
	50	<b>30440-Z3</b>	\$ 1.48	<b>30440-Z</b>	\$ 1.20
	60	<b>30441-Z3</b>	\$ 1.41	<b>30441-Z</b>	\$ 1.14
	80	<b>30442-Z3</b>	\$ 1.33	<b>30442-Z</b>	\$ 1.10
	100	30443-Z3	\$ 1.27	30443-Z	\$ 1.07
	120	30444-Z3	\$ 1.27	<b>30444-Z</b>	\$ 1.07
6"	180	-	-	30446-Z	\$ 1.07
	36	<b>30450-Z3</b>	\$ 2.45	<b>30450-Z</b>	\$ 1.94
	40	30451-Z3	\$ 2.38	30451-Z	\$ 1.89
	50	30452-Z3	\$ 2.20	30452-Z	\$ 1.74
	60	30453-Z3	\$ 2.04	<b>30453-Z</b>	\$ 1.60
	80	<b>30454-Z3</b>	\$ 1.93	<b>30454-Z</b>	\$ 1.56
	100	30455-Z3	\$ 1.81	30455-Z	\$ 1.50
12"	120	30456-Z3	\$ 1.81	<b>30456-Z</b>	\$ 1.50
	180	-	-	30458-Z	\$ 1.50
	36	<b>30510-Z3</b>	\$ 10.30	<b>30510-Z</b>	\$ 8.36
	40	<b>30511-Z3</b>	\$ 9.80	<b>30511-Z</b>	\$ 7.94
	50	<b>30512-Z3</b>	\$ 9.22	<b>30512-Z</b>	\$ 7.46
	60	<b>30513-Z3</b>	\$ 8.59	<b>30513-Z</b>	\$ 6.95
	80	<b>30514-Z3</b>	\$ 8.12	<b>30514-Z</b>	\$ 6.71
20"	100	30515-Z3	\$ 7.51	30515-Z	\$ 6.45
	120	30516-Z3	\$ 7.51	30516-Z	\$ 6.45
	180	-	-	30518-Z	\$ 6.45
	36	<b>30558-Z3</b>	\$ 29.67	30558-Z	\$ 23.81
	40	<b>30559-Z3</b>	\$ 28.75	<b>30559-Z</b>	\$ 22.58
24"	50	30560-Z3	\$ 26.99	30560-Z	\$ 21.65
	60	<b>30561-Z3</b>	\$ 24.97	<b>30561-Z</b>	\$ 20.03
	80	<b>30562-Z3</b>	\$ 23.58	30562-Z	\$ 18.91
	36	30570-Z3	\$ 42.76	30570-Z	\$ 35.36
Std. Pkg. 5	40	30571-Z3	\$ 40.10	30571-Z	\$ 33.16
	50	30572-Z3	\$ 37.66	30572-Z	\$ 31.15
	60	30573-Z3	\$ 35.33	30573-Z	\$ 29.22



Our "Hot Melt" PSA glue allows the used disc to be removed without leaving an residue behind.



"PC" Blue Zirc



Other sizes available.

# Cloth PSA Disc Holders & DA Pads

Std. Pkg. 1

DIA. X SH.	MAX RPM	ITEM NO.	LIST EACH
1" x 1/4	22,000	<b>50206</b>	\$ 4.31
1-1/2" x 1/4	22,000	<b>50208</b>	\$ 6.19
2" x 1/4	22,000	<b>50209</b>	\$ 6.94
3" x 1/4	12,000	<b>50210</b>	\$ 7.93



DIA.	MAX RPM	FLEX	PSA		H & L	
			ITEM NO.	LIST EA	ITEM NO.	LIST EA
5"	12,000	Soft	<b>50215</b>	\$ 21.70	<b>53905</b>	\$ 23.77
5/16-24	14,000	Firm	<b>50217</b>	\$ 20.29	<b>53905F</b>	\$ 21.67
6"	10,000	Soft	<b>50216</b>	\$ 23.34	<b>53906</b>	\$ 27.89
5/16-24	12,000	Firm	<b>50218</b>	\$ 21.43	<b>53906F</b>	\$ 26.07



Also available with vacuum holes. Call for price & delivery.

# Cloth PSA Discs: AO Premium

**AO/X PREMIUM:** Premium AO cloth discs combined with our "Hot Melt" PSA glue. These discs won't leave any residue when removed from backing pad or metal plate.



DIA.	GRIT	ITEM NO.	LIST EACH
1" Std. Pkg. 100	60	<i>30381-8</i>	\$ 0.24
	80	<i>30382-8</i>	\$ 0.24
	100	<i>30383-8</i>	\$ 0.24
	120	<i>30384-8</i>	\$ 0.24
	180	<i>30386-8</i>	\$ 0.24
1-1/2" Std. Pkg. 100	50	<i>30392-8</i>	\$ 0.25
	60	<i>30393-8</i>	\$ 0.25
	80	<i>30394-8</i>	\$ 0.25
	100	<i>30395-8</i>	\$ 0.25
	120	<i>30396-8</i>	\$ 0.25
2" Std. Pkg. 100	180	<i>30398-8</i>	\$ 0.25
	36	<i>30402-8</i>	\$ 0.42
	40	<i>30403-8</i>	\$ 0.39
	50	<i>30404-8</i>	\$ 0.36
	60	<i>30405-8</i>	\$ 0.36
3" Std. Pkg. 50	80	<i>30406-8</i>	\$ 0.35
	100	<i>30407-8</i>	\$ 0.34
	120	<i>30408-8</i>	\$ 0.34
	180	<i>30410-8</i>	\$ 0.34
	36	<i>30414-8</i>	\$ 0.52
5" Std. Pkg. 50	40	<i>30415-8</i>	\$ 0.50
	50	<i>30416-8</i>	\$ 0.48
	60	<i>30417-8</i>	\$ 0.46
	80	<i>30418-8</i>	\$ 0.42
	100	<i>30419-8</i>	\$ 0.41
6" Std. Pkg. 50	120	<i>30420-8</i>	\$ 0.41
	180	<i>30422-8</i>	\$ 0.41
	36	<i>30438-8</i>	\$ 0.95
	40	<i>30439-8</i>	\$ 0.90
	50	<i>30440-8</i>	\$ 0.85
Available with Pull Tabs, on request.	60	<i>30441-8</i>	\$ 0.80
	80	<i>30442-8</i>	\$ 0.77
	100	<i>30443-8</i>	\$ 0.73
	120	<i>30444-8</i>	\$ 0.73
	180	<i>30446-8</i>	\$ 0.73
8" Std. Pkg. 50	240	<i>30447-8</i>	\$ 0.73
	36	<i>30450-8</i>	\$ 1.40
	40	<i>30451-8</i>	\$ 1.34
	50	<i>30452-8</i>	\$ 1.25
	60	<i>30453-8</i>	\$ 1.17
Available with Pull Tabs, on request.	80	<i>30454-8</i>	\$ 1.11
	100	<i>30455-8</i>	\$ 1.05
	120	<i>30456-8</i>	\$ 1.05
	180	<i>30458-8</i>	\$ 1.05
	240	<i>30459-8</i>	\$ 1.05
36" Std. Pkg. 5	36	<i>30474-8</i>	\$ 2.45
	40	<i>30475-8</i>	\$ 2.33
	50	<i>30476-8</i>	\$ 2.23
	60	<i>30477-8</i>	\$ 2.12
	80	<i>30478-8</i>	\$ 2.02
36" Std. Pkg. 5	120	<i>30480-8</i>	\$ 1.92

DIA.	GRIT	ITEM NO.	LIST EACH
9" Std. Pkg. 25	36	<i>30486-8</i>	\$ 3.49
	40	<i>30487-8</i>	\$ 3.29
	50	<i>30488-8</i>	\$ 3.10
	60	<i>30489-8</i>	\$ 2.93
	80	<i>30490-8</i>	\$ 2.77
10" Std. Pkg. 25	100	<i>30491-8</i>	\$ 2.61
	120	<i>30492-8</i>	\$ 2.61
	36	<i>30498-8</i>	\$ 4.32
	40	<i>30499-8</i>	\$ 4.07
	50	<i>30500-8</i>	\$ 3.84
12" Std. Pkg. 25	60	<i>30501-8</i>	\$ 3.62
	80	<i>30502-8</i>	\$ 3.42
	100	<i>30503-8</i>	\$ 3.22
	120	<i>30504-8</i>	\$ 3.22
	36	<i>30510-8</i>	\$ 5.59
15" Std. Pkg. 25	40	<i>30511-8</i>	\$ 5.27
	50	<i>30512-8</i>	\$ 4.97
	60	<i>30513-8</i>	\$ 4.69
	80	<i>30514-8</i>	\$ 4.43
	100	<i>30515-8</i>	\$ 4.18
16" Std. Pkg. 25	120	<i>30516-8</i>	\$ 4.18
	36	<i>30522-8</i>	\$ 10.14
	40	<i>30523-8</i>	\$ 9.56
	50	<i>30524-8</i>	\$ 9.02
	60	<i>30525-8</i>	\$ 9.01
20" Std. Pkg. 10	80	<i>30526-8</i>	\$ 8.03
	36	<i>30534-8</i>	\$ 11.64
	40	<i>30535-8</i>	\$ 10.98
	50	<i>30536-8</i>	\$ 10.36
	60	<i>30537-8</i>	\$ 9.77
24" Std. Pkg. 10	80	<i>30538-8</i>	\$ 9.22
	36	<i>30558-8</i>	\$ 17.93
	40	<i>30559-8</i>	\$ 16.92
	50	<i>30560-8</i>	\$ 15.96
	60	<i>30561-8</i>	\$ 15.09
30" Std. Pkg. 5	80	<i>30562-8</i>	\$ 14.21
	36	<i>30570-8</i>	\$ 25.62
	40	<i>30571-8</i>	\$ 23.95
	50	<i>30572-8</i>	\$ 22.51
	60	<i>30573-8</i>	\$ 21.18
36" Std. Pkg. 5	80	<i>30574-8</i>	\$ 19.71
	36	<i>30582-8</i>	\$ 38.93
	40	<i>30583-8</i>	\$ 36.32
	50	<i>30584-8</i>	\$ 33.38
	60	<i>30585-8</i>	\$ 32.05
36" Std. Pkg. 5	80	<i>30586-8</i>	\$ 29.75
	36	<i>30594-8</i>	\$ 64.61
	40	<i>30595-8</i>	\$ 60.17
	50	<i>30596-8</i>	\$ 56.14
	60	<i>30597-8</i>	\$ 53.73
36" Std. Pkg. 5	80	<i>30598-8</i>	\$ 47.15

24 to 320 grit available on all sizes.

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# Straight Cartridge Rolls

AO (R228) or Ceramic (SK840T)

Silicon Carbide, Zirc and AO Glue Bond quoted on request.



Std. Pkg. 100

SIZE DIA. x LENGTH x AH	GRIT	ITEM NO.	LIST EACH
3/16 x 1 x 3/32 Max RPM 26,000 Use A-2B or A-2E Mandrel	80	<b>21136</b>	\$ 0.25
	100	<b>21137</b>	\$ 0.25
	120	<b>21138</b>	\$ 0.25
	180	<b>21140</b>	\$ 0.26
1/4 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	60	<b>21159</b>	\$ 0.24
	60-CER	<b>21159-C</b>	\$ 0.44
	80	<b>21160</b>	\$ 0.25
	80-CER	<b>21160-C</b>	\$ 0.44
	100	<b>21161</b>	\$ 0.25
	120	<b>21162</b>	\$ 0.25
	120-CER	<b>21162-C</b>	\$ 0.44
	320	<b>21166</b>	\$ 0.26
1/4 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	60	<b>21167</b>	\$ 0.29
	60-CER	<b>21167-C</b>	\$ 0.51
	80	<b>21168</b>	\$ 0.30
	80-CER	<b>21168-C</b>	\$ 0.52
	100	<b>21169</b>	\$ 0.30
	120	<b>21170</b>	\$ 0.30
	120-CER	<b>21170-C</b>	\$ 0.52
	320	<b>21174</b>	\$ 0.31
5/16 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	60	<b>21211</b>	\$ 0.27
	80	<b>21212</b>	\$ 0.27
	120	<b>21214</b>	\$ 0.27
	120	<b>21214</b>	\$ 0.27
5/16 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	60	<b>21223</b>	\$ 0.36
	80	<b>21224</b>	\$ 0.36
	120	<b>21226</b>	\$ 0.36
3/8 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	50	21270	\$ 0.27
	60	<b>21271</b>	\$ 0.27
	60-CER	<b>21271-C</b>	\$ 0.48
	80	<b>21272</b>	\$ 0.27
	80-CER	<b>21272-C</b>	\$ 0.48
	100	<b>21272</b>	\$ 0.27
	120	<b>21274</b>	\$ 0.27
	120-CER	<b>21274-C</b>	\$ 0.48
3/8 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	180	<b>21276</b>	\$ 0.28
	240	<b>21277</b>	\$ 0.28
	50	21282	\$ 0.33
	60	<b>21283</b>	\$ 0.33
	60-CER	<b>21283-C</b>	\$ 0.58
	80	<b>21284</b>	\$ 0.34
	80-CER	<b>21284-C</b>	\$ 0.59
	100	<b>21285</b>	\$ 0.34
3/8 x 2 x 1/8 Max RPM 26,000 Use A-10 Mandrel	120	<b>21286</b>	\$ 0.34
	120-CER	<b>21286-C</b>	\$ 0.59
	180	<b>21288</b>	\$ 0.36
	240	<b>21289</b>	\$ 0.36
	320	<b>21290</b>	\$ 0.36

SIZE DIA. x LENGTH x AH	GRIT	ITEM NO.	LIST EACH
1/2 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	60	<b>21331</b>	\$ 0.31
	60-CER	<b>21331-C</b>	\$ 0.54
	80	<b>21332</b>	\$ 0.31
	80-CER	<b>21332-C</b>	\$ 0.55
	100	<b>21333</b>	\$ 0.31
	120	<b>21334</b>	\$ 0.31
	120-CER	<b>21334-C</b>	\$ 0.55
	320	<b>21338</b>	\$ 0.33
1/2 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	36	<b>21340</b>	\$ 0.42
	40	<b>21341</b>	\$ 0.42
	50	<b>21342</b>	\$ 0.42
	60	<b>21343</b>	\$ 0.42
	60-CER	<b>21343-C</b>	\$ 0.73
	80	<b>21344</b>	\$ 0.43
	80-CER	<b>21344-C</b>	\$ 0.75
	100	<b>21345</b>	\$ 0.43
	120	<b>21346</b>	\$ 0.43
	120-CER	<b>21346-C</b>	\$ 0.75
1/2 x 2 x 1/8 Max RPM 26,000 Use A-10 Mandrel	180	<b>21348</b>	\$ 0.45
	240	<b>21349</b>	\$ 0.45
	320	<b>21350</b>	\$ 0.45
	50	<b>21354</b>	\$ 0.54
5/8 x 1 x 3/16 Max RPM 18,000 Use A-15 Mandrel	60	<b>21355</b>	\$ 0.54
	80	<b>21356</b>	\$ 0.55
	120	<b>21358</b>	\$ 0.55
	120	<b>21358</b>	\$ 0.55
5/8 x 1-1/2 x 3/16 Max RPM 18,000 Use A-16 Mandrel	60	21439	\$ 0.47
	80	21440	\$ 0.48
	120	21442	\$ 0.48
3/4 x 1 x 3/16 Max RPM 18,000 Use A-15 Mandrel	60	<b>21451</b>	\$ 0.60
	80	<b>21452</b>	\$ 0.62
	120	<b>21454</b>	\$ 0.62
3/4 x 1 x 1/8 Max RPM 18,000 Use A-20 Mandrel	60	21523	\$ 0.55
	80	<b>21524</b>	\$ 0.56
	120	21526	\$ 0.56
3/4 x 1-1/2 x 3/16 Max RPM 18,000 Use A-16 Mandrel	60	21523-AH	\$ 0.55
	80	<b>21524-AH</b>	\$ 0.56
	120	21526-AH	\$ 0.56
3/4 x 1-1/2 x 1/4 Max RPM 18,000 Use A-21 Mandrel	60	<b>21535</b>	\$ 0.69
	80	<b>21536</b>	\$ 0.70
	120	<b>21538</b>	\$ 0.70
3/4 x 2 x 1/4 Max RPM 18,000 Use A-22 Mandrel	60	<b>21535-AH</b>	\$ 0.69
	80	<b>21536-AH</b>	\$ 0.70
	120	21538-AH	\$ 0.70
1 x 1-1/2 x 1/4 Max RPM 15,000 Use A-21 Mandrel	60	<b>21547-AH</b>	\$ 0.93
	80	<b>21548-AH</b>	\$ 0.95
	120	21550-AH	\$ 0.95
1 x 2 x 1/4 Max RPM 15,000 Use A-22 Mandrel	36	21796	\$ 1.22
	60	<b>21799</b>	\$ 1.22
	80	<b>21800</b>	\$ 1.32
1 x 2 x 1/4 Max RPM 15,000 Use A-22 Mandrel	36	21916	\$ 1.54
	60	<b>21919</b>	\$ 1.54
	80	21920	\$ 1.61

Other sizes, arbor holes & grits available.

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# Full Taper Cartridge Rolls

AO (R228) or Ceramic (SK840T)

Silicon Carbide, Zirc and AO Glue Bond quoted on request.



Std. Pkg. 100

SIZE DIA. x LENGTH x AH	GRIT	ITEM NO.	LIST EACH
3/8 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	60	<b>23105</b>	\$ 0.54
	60-CER	23105-C	\$ 0.94
	80	<b>23106</b>	\$ 0.55
	80-CER	23106-C	\$ 0.97
	120	<b>23108</b>	\$ 0.55
	120-CER	23108-C	\$ 0.97
3/8 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	60	<b>23285</b>	\$ 0.58
	60-CER	<b>23285-C</b>	\$ 1.01
	80	<b>23286</b>	\$ 0.59
	80-CER	23286-C	\$ 1.05
	120	<b>23288</b>	\$ 0.59
	120-CER	23288-C	\$ 1.05
1/2 x 1 x 1/8 Max RPM 26,000 Use A-4 or A-8 Mandrel	60	<b>23141</b>	\$ 0.57
	60-CER	23141-C	\$ 0.99
	80	<b>23142</b>	\$ 0.58
	80-CER	23142-C	\$ 1.01
	120	<b>23144</b>	\$ 0.58
	120-CER	23144-C	\$ 1.01
	180	23146	\$ 0.61

SIZE DIA. x LENGTH x AH	GRIT	ITEM NO.	LIST EACH
1/2 x 1-1/2 x 1/8 Max RPM 26,000 Use A-5 or A-9 Mandrel	60	<b>23321</b>	\$ 0.63
	60-CER	<b>23321-C</b>	\$ 1.11
	80	<b>23322</b>	\$ 0.64
	80-CER	23322-C	\$ 1.13
	120	<b>23324</b>	\$ 0.64
	120-CER	23324-C	\$ 1.13
	180	<b>23326</b>	\$ 0.68
1/2 x 2 x 1/8 Max RPM 26,000 Use A-10 Mandrel	60	<b>23465</b>	\$ 0.70
	80	<b>23466</b>	\$ 0.72
	120	23468	\$ 0.72
5/8 x 1-1/2 x 1/8 Max RPM 18,000 Use A-5 or A-9 Mandrel	60	23357	\$ 0.82
	80	23358	\$ 0.84
	120	23360	\$ 0.84
3/4 x 1-1/2 x 3/16 Max RPM 18,000 Use A-16 Mandrel	60	<b>23405</b>	\$ 0.91
	80	<b>23406</b>	\$ 0.92
	120	23408	\$ 0.92
1 x 1-1/2 x 3/16 Max RPM 18,000 Use A-16 Mandrel	60	<b>23621</b>	\$ 1.31
	80	<b>23622</b>	\$ 1.31
	120	23624	\$ 1.40

Other sizes, arbor holes & grits available.

# Cartridge Roll Mandrels

Std. Pkg. 1

TOOL NO.	PILOT DIA.	PILOT LENGTH	SHANK DIA.	OAL	ITEM NO.	LIST EACH
A-2B	3/32	3/4	1/8	3	<b>50102-3</b>	\$ 5.79
A-2E	3/32	3/4	1/4	3	<b>50102-2</b>	\$ 5.79
A-4	1/8	3/4	1/8	2-3/4	<b>50104</b>	\$ 3.36
A-5	1/8	1	1/8	3	<b>50105</b>	\$ 3.36
A-8	1/8	3/4	1/4	2-1/2	<b>50108</b>	\$ 3.36
A-8-6	1/8	3/4	1/4	6	<b>50108-6</b>	\$ 5.25
A-9	1/8	1	1/4	2-3/4	<b>50109</b>	\$ 3.26
A-9-6	1/8	1	1/4	6	<b>50109-6</b>	\$ 5.25
A-10	1/8	1-1/2	1/4	3-1/4	<b>50110</b>	\$ 3.36
A-15	3/16	3/4	1/4	2-1/2	50115	\$ 3.36
A-16	3/16	1	1/4	3	<b>50116</b>	\$ 3.36
A-16-6	3/16	1	1/4	6	<b>50116-6</b>	\$ 10.74
A-17	3/16	1-1/2	1/4	3-1/2	<b>50117</b>	\$ 3.36
A-18	3/16	2	1/4	4	50118	\$ 4.20
A-21	1/4	1	1/4	3	<b>50121</b>	\$ 3.36
A-21-6	1/4	1	1/4	6	<b>50121-6</b>	\$ 11.70
A-22	1/4	1-1/2	1/4	3-1/2	50122	\$ 3.36



How to order mandrels:

\* The pilot diameter should match the arbor hole of the cartridge roll.

\* The pilot length should be 1/4" to 1/2" shorter than the cartridge roll.

# Cross Pads

AOX

Cross Pads: allow the operator to "see through" the pad to precisely control the point of contact. Used for close-tolerance polishing as well as deburring holes and tubing.



- 8-Ply - The most common, more flexible than 10 Ply.
- 10-Ply - Stiffer than 8-Ply.

Std. Pkg. 100

SIZE			GRIT	ITEM NO.	LIST EACH
DIA. x WIDTH	PLY	EYELET			
3/4 x 3/8	8	3-48	60	27728	\$ 1.28
			80	27729	\$ 1.28
			120	27731	\$ 1.28
1 x 3/8	8	3-48	60	27739	\$ 1.30
			80	27740	\$ 1.30
			120	27742	\$ 1.30
1-1/2 x 1/2	8	8-32	60	27750	\$ 1.07
			80	<b>27751</b>	\$ 1.07
			120	27753	\$ 1.07
1-1/2 x 1/2	10	8-32	60	27761	\$ 1.22
			80	27762	\$ 1.22
			120	27764	\$ 1.22
2 x 1/2	8	8-32	60	27772	\$ 1.15
			80	27773	\$ 1.15
			120	27775	\$ 1.15
2 x 1/2	10	1/4-20	60	27783	\$ 1.26
			80	27784	\$ 1.26
			120	27786	\$ 1.26
2 x 3/4	8	8-32	60	27794	\$ 1.27
			80	<b>27795</b>	\$ 1.27
			120	27797	\$ 1.27
2 x 3/4	10	1/4-20	60	27805	\$ 1.36
			80	27806	\$ 1.36
			120	27808	\$ 1.36
2 x 1	8	1/4-20	60	27816	\$ 1.31
			80	27817	\$ 1.31
			120	27819	\$ 1.31
2 x 1	10	1/4-20	60	27827	\$ 1.51
			80	27828	\$ 1.51
			120	27830	\$ 1.51

SIZE			GRIT	ITEM NO.	LIST EACH
DIA. x WIDTH	PLY	EYELET			
2-1/2 x 3/4	8	8-32	60	27904	\$ 1.45
			80	27905	\$ 1.45
			120	27907	\$ 1.45
2-1/2 x 3/4	10	1/4-20	60	27915	\$ 1.89
			80	27916	\$ 1.89
			120	27918	\$ 1.89
2-1/2 x 1	8	1/4-20	60	27926	\$ 1.50
			80	27927	\$ 1.50
			120	27929	\$ 1.50
2-1/2 x 1	10	1/4-20	60	27937	\$ 1.97
			80	27938	\$ 1.97
			120	27940	\$ 1.97
2-1/2 x 1-1/2	8	1/4-20	60	27948	\$ 2.47
			80	27949	\$ 2.47
			120	27951	\$ 2.47
2-1/2 x 1-1/2	10	1/4-20	60	27959	\$ 2.78
			80	27960	\$ 2.78
			120	27962	\$ 2.78
3 x 1	8	1/4-20	60	27970	\$ 2.06
			80	27971	\$ 2.06
			120	27973	\$ 2.06
3 x 1	10	1/4-20	60	27981	\$ 2.35
			80	27982	\$ 2.35
			120	27984	\$ 2.35
3 x 1-1/2	8	1/4-20	60	27992	\$ 2.78
			80	27993	\$ 2.78
			120	27995	\$ 2.78
3 x 1-1/2	10	1/4-20	60	28003	\$ 3.19
			80	28004	\$ 3.19
			120	28006	\$ 3.19

Most cross pads are made-to-order, please allow 7-10 days delivery. Also available in Ceramic or Zirc.

## RPM RATINGS CROSS PADS & SQUARE PADS

Diameter	MAX RPM
1"	25,000
1-1/2"	18,000-23,000
2"	18,000-23,000
2-1/2"	14,000-18,000
3"	12,000-14,000
4"	8,000-12,000
5"	5,500-7,500
6"	5,500-7,500



Standard Pkg. 1

EYELET MANDREL	ITEM NO.	LIST EACH
3-48 Thrd. x 1/4" Shank	<b>50328</b>	\$ 4.31
8-32 Thrd. x 1/4" Shank	<b>50329</b>	\$ 4.31
8-32 Thrd. x 1/4" Shank 6" OAL	<b>50329-6</b>	\$ 9.25
1/4-20 Thrd. x 1/4" Shank	<b>50330</b>	\$ 4.31
1/4-20 Thrd. x 1/4" Shank 6" OAL	<b>50330-6</b>	\$ 9.46

# Square Pads

AO/X

The intermittent strokes of the corners provide both a fast cutting action as well as a buffing action as the cloth backing is exposed. Will not leave a "circular" swirl pattern that discs leave behind.



Std. Pkg. 100

SIZE			ITEM NO.	LIST EACH
DIA./THICK.	EYELET	GRIT		
1-1/2" x 1/4"	8-32	60	26423	\$ 1.71
		80	26424	\$ 1.71
		120	26426	\$ 1.71
1-1/2" x 3/8"	8-32	60	26434	\$ 1.78
		80	26435	\$ 1.99
		120	26437	\$ 2.06
1-1/2" x 1/2"	1/4-20	60	26445	\$ 2.56
		80	26446	\$ 2.95
		120	26448	\$ 3.07
2" x 1/4"	8-32	60	26456	\$ 2.35
		80	26457	\$ 2.45
		120	26459	\$ 2.64
2" x 3/8"	8-32	60	26467	\$ 3.12
		80	26468	\$ 3.22
		120	26470	\$ 3.31
2" x 1/2"	1/4-20	60	26478	\$ 3.26
		80	26479	\$ 3.69
		120	26481	\$ 3.90

SIZE			ITEM NO.	LIST EACH
DIA./THICK.	EYELET	GRIT		
2-1/2" x 1/4"	1/4-20	60	26500	\$ 2.67
		80	26501	\$ 2.72
		120	26503	\$ 2.77
2-1/2" x 3/8"	1/4-20	60	26511	\$ 3.26
		80	26512	\$ 3.89
		120	26514	\$ 3.96
2-1/2" x 1/2"	1/4-20	60	26522	\$ 3.98
		80	26523	\$ 4.38
		120	26525	\$ 4.49
3" x 1/4"	1/4-20	60	26533	\$ 3.89
		80	26534	\$ 4.09
		120	26536	\$ 4.21
3" x 3/8"	1/4-20	60	26544	\$ 4.87
		80	26545	\$ 5.12
		120	26547	\$ 5.27
3" x 1/2"	1/4-20	60	26555	\$ 5.86
		80	26556	\$ 6.11
		120	26558	\$ 6.26

Also available in Ceramic or Zirc.

All square pads are made to order, please allow 7-10 days delivery.

# Spin-On Overlap Discs

AO/X

**2/Set:** Designed for deburring or chamfering the front side of holes or tubing.

**4/Set:** Designed to debur both the front & back side of holes or tubing - during the same pass. For price, double the 2/set price.



Std. Pkg. 100

		2 / SET		
DIA.	EYELET	GRIT	ITEM NO.	LIST EACH
1"	8-32	60	<b>33957</b>	\$ 0.89
		80	<b>33958</b>	\$ 0.87
		120	33960	\$ 0.86
1-1/4"	8-32	60	33969	\$ 0.88
		80	33970	\$ 0.87
		120	33972	\$ 0.86
1-1/2"	8-32	60	33981	\$ 0.88
		80	33982	\$ 0.87
		120	33984	\$ 0.86

		2 / SET		
DIA.	EYELET	GRIT	ITEM NO.	LIST EACH
2"	8-32	60	34005	\$ 0.94
		80	34006	\$ 0.93
		120	34008	\$ 0.92
2-1/2"	8-32	60	34029	\$ 1.24
		80	34030	\$ 1.11
		120	34032	\$ 1.09
3"	1/4-20	60	34053	\$ 1.24
		80	34054	\$ 1.11
		120	34056	\$ 1.09

Most overlap discs are made-to-order, please allow 7-10 days delivery.

Other sizes and grits available.

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# Shop Rolls

## ECONOMY SHOP ROLLS

AO J wt. Resin Bond - stiffer than our premium rolls. Economical choice for general purpose work.

## ULTRA-FLEX PREMIUM SHOP ROLLS (Improved for 2013)

AO J wt. Resin Bond - feature an extremely flexible cloth backing with high tear strength.



## PREMIUM "DAF" SHOP ROLLS

AO J wt. Resin Bond - Made with DAF material. Feature a flexible cloth backing.

Std. Pkg. 1		<u>ECONOMY</u>		<u>ULTRA-FLEX</u>		<u>"DAF"</u>	
SIZE	GRIT	ITEM NO.	LIST EACH	ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
1" x 50 YDS.	60	<b>73034</b>	\$ 15.81	<b>73134</b>	\$ 28.34	<b>0901005</b>	\$ 35.30
	80	<b>73035</b>	\$ 15.68	<b>73135</b>	\$ 22.41	<b>0901006</b>	\$ 30.83
	100	<b>73036</b>	\$ 15.55	<b>73136</b>	\$ 21.66	<b>0901007</b>	\$ 28.89
	120	<b>73037</b>	\$ 15.55	<b>73137</b>	\$ 21.66	<b>0901008</b>	\$ 28.89
	150	<b>73038</b>	\$ 15.55	<b>73138</b>	\$ 21.66	<b>0901009</b>	\$ 28.89
	180	<b>73039</b>	\$ 15.55	<b>73139</b>	\$ 21.66	<b>0901010</b>	\$ 28.89
	220	73040	\$ 15.55	<b>73140</b>	\$ 21.66	<b>0901011</b>	\$ 28.89
	240	<b>73041</b>	\$ 15.55	<b>73141</b>	\$ 21.66	<b>0901012</b>	\$ 28.89
	280	73042	\$ 15.55	-	-	-	-
	320	<b>73043</b>	\$ 15.55	<b>73143</b>	\$ 21.66	<b>0901014</b>	\$ 28.89
	400	-	-	<b>73144</b>	\$ 21.66	<b>0901015</b>	\$ 28.89
Crocus	-	-	<b>73193</b>	\$ 30.52	-	-	
1-1/2" x 50 YDS.	60	<b>73049</b>	\$ 19.96	<b>73149</b>	\$ 39.92	<b>0901505</b>	\$ 44.69
	80	<b>73050</b>	\$ 19.75	<b>73150</b>	\$ 31.37	<b>0901506</b>	\$ 40.19
	100	<b>73051</b>	\$ 19.55	<b>73151</b>	\$ 30.32	<b>0901507</b>	\$ 38.04
	120	<b>73052</b>	\$ 19.55	<b>73152</b>	\$ 30.32	<b>0901508</b>	\$ 38.04
	150	73053	\$ 19.55	<b>73153</b>	\$ 30.32	<b>0901509</b>	\$ 38.04
	180	<b>73054</b>	\$ 19.55	<b>73154</b>	\$ 30.32	<b>0901510</b>	\$ 38.04
	220	73055	\$ 19.55	<b>73155</b>	\$ 30.32	<b>0901511</b>	\$ 38.04
	240	<b>73056</b>	\$ 19.55	<b>73156</b>	\$ 30.32	<b>0901512</b>	\$ 38.04
	320	<b>73058</b>	\$ 19.55	<b>73158</b>	\$ 30.32	<b>0901514</b>	\$ 38.04
	400	-	-	<b>73159</b>	\$ 30.32	<b>0901515</b>	\$ 38.04
	Crocus	-	-	<b>73194</b>	\$ 44.14	-	-
2" x 50 YDS.	60	<b>73064</b>	\$ 24.46	<b>73164</b>	\$ 51.53	<b>0902005</b>	\$ 58.19
	80	<b>73065</b>	\$ 24.27	<b>73165</b>	\$ 40.31	<b>0902006</b>	\$ 52.10
	100	<b>73066</b>	\$ 24.06	<b>73166</b>	\$ 38.48	<b>0902007</b>	\$ 49.30
	120	<b>73067</b>	\$ 24.06	<b>73167</b>	\$ 38.48	<b>0902008</b>	\$ 49.30
	150	73068	\$ 24.06	<b>73168</b>	\$ 38.48	<b>0902009</b>	\$ 49.30
	180	<b>73069</b>	\$ 24.06	<b>73169</b>	\$ 38.48	<b>0902010</b>	\$ 49.30
	220	<b>73070</b>	\$ 24.06	<b>73170</b>	\$ 38.48	<b>0902011</b>	\$ 49.30
	240	<b>73071</b>	\$ 24.06	<b>73171</b>	\$ 38.48	<b>0902012</b>	\$ 49.30
	280	73072	\$ 24.06	-	-	-	-
	320	<b>73073</b>	\$ 24.06	<b>73173</b>	\$ 38.48	<b>0902014</b>	\$ 49.30
	400	73074	\$ 24.06	<b>73174</b>	\$ 38.48	<b>0902015</b>	\$ 49.30
Crocus	-	-	<b>73195</b>	\$ 58.48	-	-	

2-1/2" x 50 YDS. & wider = "Utility Rolls" (made from the same flexible material as shop rolls), available on request.

Resin cloth "Production Rolls" (X-wt. belt material) shown on following page.

Sandscreen rolls also available. 1" x 25 yds, 1-1/2" x 25 yds & 2" x 25 yds. Various grits. Call for pricing.

## 9 x 11 Sheets

### Cloth Sheets AO RB

GRIT	STD. PKG.	ITEM NO.	LIST EACH
60-X	50	<b>74104</b>	\$ 1.35
80-J	50	<b>74105</b>	\$ 1.13
100-J	50	<b>74106</b>	\$ 1.06
120-J	50	<b>74107</b>	\$ 1.06
150-J	50	<b>74108</b>	\$ 1.06
180-J	50	<b>74109</b>	\$ 1.06
220-J	50	<b>74110</b>	\$ 1.06
240-J	50	<b>74111</b>	\$ 1.06
280-J	50	<b>74112</b>	\$ 1.06
320-J	50	<b>74113</b>	\$ 1.06
400-J	50	<b>74114</b>	\$ 1.06
500-J	50	<b>74115</b>	\$ 1.06

Crocus	50	<b>74116</b>	\$ 1.54
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### Wet or Dry Silicon Carbide Paper

GRIT	STD. PKG.	ITEM NO.	LIST EACH
60-C	50	<b>74121</b>	\$ 0.97
80-C	50	<b>74122</b>	\$ 0.83
100-C	50	<b>74123</b>	\$ 0.72
120-C	50	<b>74124</b>	\$ 0.63
150-C	50	<b>74125</b>	\$ 0.58
180-C	50	<b>74126</b>	\$ 0.57
220-A	50	<b>74128</b>	\$ 0.51
240-A	50	<b>74129</b>	\$ 0.51
280-A	50	<b>74130</b>	\$ 0.51
320-A	50	<b>74131</b>	\$ 0.51
400-A	50	<b>74133</b>	\$ 0.51
500-A	50	<b>74134</b>	\$ 0.51
600-A	50	<b>74135</b>	\$ 0.51
800-A	50	<b>74135-1</b>	\$ 0.51
1000-A	50	<b>74135-2</b>	\$ 0.74
1200-A	50	<b>74136</b>	\$ 0.74
1500-A	50	<b>74137</b>	\$ 0.74
2000-A	50	<b>74138</b>	\$ 0.74
2500-A	50	<b>74139</b>	\$ 0.74
3000-A	50	<b>74140</b>	\$ 0.74

### Emery Cloth

GRIT	STD. PKG.	ITEM NO.	LIST EACH
Crs.	50	<b>74119</b>	\$ 1.18
Med.	50	<b>74118</b>	\$ 1.07
Fine	50	<b>74117</b>	\$ 1.04



### Sandscreen - Silicon Carbide

GRIT	STD. PKG.	ITEM NO.	LIST EACH
80	25	74081	\$ 2.46
100	25	74082	\$ 2.32
120	25	74083	\$ 2.32
150	25	74084	\$ 2.32
180	25	74085	\$ 2.32
220	25	74086	\$ 2.32
320	25	74088	\$ 2.32

### Premium AO Stearate Paper

GRIT	STD. PKG.	ITEM NO.	LIST EACH
80-C	50	74172	\$ 0.58
100-C	50	74173	\$ 0.53
120-C	50	74174	\$ 0.53
150-B	50	74175	\$ 0.53
180-B	50	74176	\$ 0.53
220-B	50	74177	\$ 0.53
320-B	50	74180	\$ 0.53
400-B	50	74181	\$ 0.53

## Resin Cloth Rolls (X-wt.)

AO/X Closed Coat

Std. Pkg. 1

SIZE	GRIT / ITEM NO.									
	36	40	50	60	80	100	120	180	240	320
2" x 50 Yds.	73461	73462	73463	73464	73465	73466	73467	73469	73471	73473
	\$99.78	\$92.89	\$86.81	\$84.74	\$78.43	\$74.55	\$74.55	\$74.55	\$74.55	\$74.55
3" x 50 Yds.	73479	73480	73481	73482	73483	73484	73485	73487	73489	73491
	\$154.44	\$143.33	\$133.83	\$125.91	\$115.63	\$109.47	\$109.47	\$109.47	\$109.47	\$109.47
4" x 50 Yds.	73509	73510	73511	73512	73513	73514	73515	73517	73519	73521
	\$205.48	\$190.09	\$178.22	\$166.56	\$153.92	\$145.16	\$145.16	\$145.16	\$145.16	\$145.16
6" x 50 Yds.	73524	73525	73526	73527	73528	73529	73530	73532	73534	73536
	\$293.35	\$284.35	\$265.35	\$248.26	\$229.25	\$216.53	\$216.53	\$216.53	\$216.53	\$216.53
12" x 50 Yds.	73569	73570	73571	73572	73573	73574	73575	73577	73579	73581
	\$609.03	\$564.73	\$527.50	\$493.43	\$455.34	\$430.01	\$430.01	\$430.01	\$430.01	\$430.01

Other sizes, grits and backings are available.  
PSA rolls are also available.

## No-Lap Spiral Bands

AO/X

No-Lap bands provide a smooth cutting action due to their spiral wound design. Ideal for curved or contoured surfaces.



Std. Pkg. 100

SIZE DIA. x LENGTH	GRIT	ITEM NO.	LIST EACH
1/2 x 1/2	60	<b>76321</b>	\$ 0.36
	80	<b>76322</b>	\$ 0.36
	120	<b>76324</b>	\$ 0.36
1/2 x 1	60	<b>76333</b>	\$ 0.38
	80	<b>76334</b>	\$ 0.38
	120	<b>76336</b>	\$ 0.38
3/4 x 1	60	<b>76621</b>	\$ 0.41
	80	<b>76622</b>	\$ 0.40
	120	<b>76624</b>	\$ 0.40
1 x 1	36	<b>76762</b>	\$ 0.45
	50	<b>76764</b>	\$ 0.44
	60	<b>76765</b>	\$ 0.43
	80	<b>76766</b>	\$ 0.42
	120	<b>76768</b>	\$ 0.42
1 x 1-1/2	36	76774	\$ 0.58
	60	76777	\$ 0.55
	80	76778	\$ 0.54
	120	76780	\$ 0.53
1-1/2 x 1	36	77122	\$ 0.40
	50	77124	\$ 0.46
	60	77125	\$ 0.45
	80	77126	\$ 0.44
	120	77128	\$ 0.44

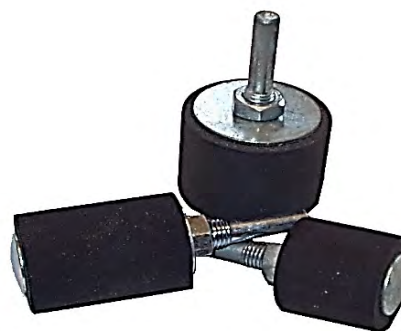
SIZE DIA. x LENGTH	GRIT	ITEM NO.	LIST EACH
1-1/2 x 1-1/2	36	77134	\$ 0.62
	50	77136	\$ 0.60
	60	<b>77137</b>	\$ 0.58
	80	<b>77138</b>	\$ 0.57
	100	77139	\$ 0.56
	120	<b>77140</b>	\$ 0.56
2 x 1	36	77410	\$ 0.56
	50	77412	\$ 0.54
	60	<b>77413</b>	\$ 0.54
	80	<b>77414</b>	\$ 0.53
	120	<b>77416</b>	\$ 0.52
2 x 1-1/2	36	77422	\$ 0.75
	50	77424	\$ 0.71
	60	77425	\$ 0.69
	80	77426	\$ 0.67
2 x 2	120	77428	\$ 0.66
	36	77434	\$ 1.00
	50	77436	\$ 0.94
	60	77437	\$ 0.92
	80	77438	\$ 0.89
	120	77440	\$ 0.88

Extra long bands for Oscillating Spindle Sanders are readily available in 4-1/2", 6" & 9" lengths.

## Solid Rubber Expanding Drums

Std. Pkg. 1

DIA.	SIZE		ITEM NO.	LIST EACH
	LENGTH	SHANK		
1/2	1/2	1/8	<b>50506</b>	\$ 4.22
	1/2	1/4	<b>50507</b>	\$ 4.22
	1	1/4	<b>50510</b>	\$ 4.43
3/4	1	1/4	<b>50524</b>	\$ 4.93
	1-1/2	1/4	50525	\$ 5.42
1	1	1/4	<b>50533</b>	\$ 5.42
	1-1/2	1/4	50534	\$ 5.73
1-1/2	1	1/4	<b>50542</b>	\$ 7.18
	1-1/2	1/4	<b>50543</b>	\$ 7.39
2	1	1/4	50547	\$ 8.59
	1-1/2	1/4	50548	\$ 10.67
	2	1/4	50549	\$ 11.27



# Zirc Flap Bands

## Advantages of Flap Bands -vs- Flap Wheels:

- \* More aggressive than flap wheels or spiral bands.
- \* Require less pressure but cuts faster.
- \* Lasts much longer!

Flap Bands provide more aggressive stock removal than flap wheels. Great for working in small confined areas; i.e. - inside pipes & tubing. As the flaps wear, new sharp grain is exposed, providing fast cutting action through the entire life of the product.

Std. Pkg. 10

SIZE DIA. x WIDTH	GRIT	ITEM NO.	LIST EACH
1-1/4" x 3/4" (Use With #SD1 Drum) Max. RPM 26,000	40	<b>75701</b>	\$ 10.48
	60	<b>75702</b>	
	80	<b>75703</b>	
1-3/4" x 1-3/16" (Use With #SD3 Drum) Max. RPM 19,000	40	<b>75721</b>	\$ 12.06
	60	<b>75722</b>	
	80	<b>75723</b>	
2-1/2" x 1-3/16" (Use With #SD4 Drum) Max. RPM 12,700	40	<b>75731</b>	\$ 16.80
	60	<b>75732</b>	
	80	<b>75733</b>	
3-1/2" x 1-3/16" (Use With #SD6 Drum) Max. RPM 7,600	40	<b>75751</b>	\$ 23.62
	60	<b>75752</b>	
	80	<b>75753</b>	
6-1/2" x 1-3/16" <b>Std. Pkg. 2</b> (Use With #SD7 Drum) Max. RPM 3,000	36	75763	\$ 40.63
	40	75764	
	60	75765	
	80	75766	

Also available: 36 & 120 grit as well as AO.



## Slotted Rubber Drums

Specifically designed to fit our Flap Bands.  
(Will not fit regular Spiral Bands.)

Std. Pkg. 1

DRUM #	SHANK	ITEM	LIST
#SD1	1/4"	<b>50557</b>	\$ 17.93
#SD3	1/4"	<b>50559</b>	\$ 19.73
#SD4	1/4"	<b>50560</b>	\$ 24.33
#SD6	5/16"	<b>50562</b>	\$ 29.75
#SD7**	2" AH**	50563	\$ 112.53

\*\* Supplied with a nylon reduction bushing to 1", ideal for mounting to bench & pedestal grinders.

# Mean Green - Grinding Wheels

T-27 Depressed Center Grinding Wheels



\* **Save time & money** - The Mean Green wheel eats metal faster than other brands' high performance grinding wheels.

\* **Unique Bond & Wheel Design** - Less chatter, smoother and quieter providing the operator with more control.

**High Performance Proprietary Grain (ceramic / zirc blend) - Long Life & VERY FAST CUTTING**

SIZE DIA. x ARBOR	GRADE	STD. PKG.	ITEM NO.	LIST EACH
4-1/2 x 7/8 Max RPM 13,300	36-CZ	5	<b>88103-5</b>	\$ 8.92
		25	<b>88103</b>	\$ 8.42
4-1/2 x 5/8-11 Max RPM 13,300	36-CZ	5	<b>88104-5</b>	\$ 8.92
		25	<b>88104</b>	\$ 8.42
7 x 7/8 Max RPM 8500	36-CZ	5	<b>88106-5</b>	\$ 11.40
		10	<b>88106</b>	\$ 10.90
	46-CZ	5	<b>88107-5</b>	\$ 11.40
		10	<b>88107</b>	\$ 10.90
7 x 5/8-11 Max RPM 8500	36-CZ	5	<b>88115-5</b>	\$ 13.45
		25	<b>88115</b>	\$ 12.95
7 x 5/8-11 Max RPM 8500	36-CZ	5	<b>88118-5</b>	\$ 16.03
		10	<b>88118</b>	\$ 15.53

GRADE	FEATURE
36-CZ	For <b>extremely rapid</b> stock removal on all metals. Grinds <b>aluminum (without clogging)</b> .
46-CZ	For fast stock removal on <b>aluminum</b> - will leave a medium finish, <b>without clogging</b> .

Works great on all metals:

Stainless Steel    Armor Plate    Inconel  
Aluminum    Titanium    Hard Face

**Contaminate Free:** (Virtually Iron Free) Contains only 0.035% iron, with less than 0.1% chlorine and sulfur.



# Reinforced - Cut-Off Wheels



- Mean Green 36-CZ - Exceptional wheel life and superior cutting rates.
- Mean Green 60-CZ - Combines fast cutting action & high quality cuts.



**Mean Green:** High Performance Proprietary Grain & Bond. They provide outstanding productivity on stainless steel, heat-sensitive alloys, titanium and most other metals. Also works great on sheet metal and rusted bolts. Made in in the USA.

SIZE DIA. x THICK. x AH	GRADE	STD. PKG.	MAX RPM	ITEM NO.	LIST EACH
3 x 1/32 x 3/8	60-CZ	50	26,000*	<b>87725-C</b>	\$3.70
3 x 1/16 x 3/8	36-CZ	50	26,000*	<b>87726-C</b>	\$3.95
4 x 1/32 x 3/8	60-CZ	50	22,000*	<b>87742-C</b>	\$4.31
4 x 1/16 x 3/8	36-CZ	50	22,000*	<b>87743-C</b>	\$4.38



**Competitive Products:**

3M *Green Corp*<sup>®</sup>  
Norton *Norzon Plus*<sup>®</sup>  
Sait *Saitech*<sup>®</sup>

\* Note: We use a premium fiberglass reinforcement in our Mean Green wheels, they feature "extra high" RPM ratings.

**Zirconia Premium:** High Performance Zirc grain. These wheels provide a fast cut with long life. Good choice for most metals including stainless steel and high tensile alloys. Cuts faster & lasts longer than AO wheels. Made in the USA.

SIZE DIA. x THICK. x AH	GRADE	STD. PKG.	MAX RPM	ITEM NO.	LIST EACH
3 x 1/32 x 3/8	Z60T	50	25,000	<b>87725-Z</b>	\$2.18
3 x 1/16 x 3/8	Z46T	50	25,000	<b>87726-Z</b>	\$2.27
4 x 1/32 x 3/8	Z60T	50	19,000	<b>87742-Z</b>	\$2.33
4 x 1/16 x 3/8	Z36T	50	19,000	<b>87743-Z</b>	\$2.51



**Competitive Products:**

Norton *Charger*  
Brilliant *Brill Max ZA*  
Flexovit *Flexon*

**Aluminum Oxide:** Versatile AO Grain. Good starting point for most metals. Made in the USA.

3 x 1/32 x 1/4	A60T	50	25,000	<b>87721</b> <b>87725</b>	\$1.22
3 x 1/32 x 3/8					
3 x 1/16 x 1/4	A46T	50	25,000	<b>87722</b> <b>87726</b>	\$1.22
3 x 1/16 x 3/8					
3 x 1/8 x 1/4	A36T	40	25,000	87724 <b>87729</b>	\$1.61
3 x 1/8 x 3/8					
4 x 1/32 x 1/4	A60T	50	19,000	87738 <b>87742</b>	\$2.03
4 x 1/32 x 3/8					
4 x 1/16 x 1/4	A46T	50	19,000	87739 <b>87743</b>	\$2.03
4 x 1/16 x 3/8					
4 x 1/8 x 1/4	A36T	40	19,000	87741 87746	\$2.20
4 x 1/8 x 3/8					



**Competitive Products:**

Norton *Gemini*  
Walter *A-60-Zip*  
Bullard *TA46T, TA60T*  
Sait *A36T, A60T*  
Flexovit *A46, A60*

**Mean Green & AO : .045 Slicer Wheels** - Made in the USA.

4-1/2 x .045 x 7/8 Std. Pkg. 50	T-1	A60T	A/O	13,300	<b>87770</b>	\$2.81
	T-27	A60T		13,300	<b>87770-27</b>	\$2.94
	T-1	60-CZ	<b>Green</b>	13,300	<b>87770-C</b>	\$4.86
	T-27	60-CZ	<b>Piranha</b>	13,300	<b>87770-C-27</b>	\$5.05
6 x .045 x 7/8 Std. Pkg. 50	T-1	A60T	A/O	10,500	<b>87781</b>	\$3.60
	T-27	A60T		10,500	<b>87781-27</b>	\$3.88
	T-1	60-CZ	<b>Green</b>	10,500	<b>87781-C</b>	\$5.05
	T-27	60-CZ	<b>Piranha</b>	10,500	<b>87781-C-27</b>	\$5.61



**AO**  
**Competitive Products:**

Norton *Gemini*, Sait *A60S*,  
Metabo *Slicer-Plus*, Flexovit  
*Razorblade*, Walter *A-60-Zip*



**Mean Green**  
**Competitive Products:**  
3M *Green Corp*, Sait *Saitech*,  
Norton *Norzon-Plus*

# Mandrels for Small Cut-Off Wheels

Std. Pkg. 1

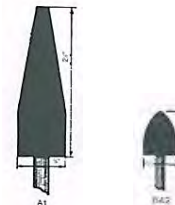
MANDREL DESCRIPTION	FITS HOLE	SHANK DIA.	ITEM NO.	LIST EACH
A-100 (3-Pc. Combo)	1/4 or 3/8	1/4"	<b>50690</b>	\$6.38
A-100-1/4	1/4"	1/4"	<b>50690-1</b>	\$5.93
A-100-3/8	3/8"	1/4"	<b>50690-2</b>	\$5.93



# Vitrified Mounted Points

**Burnt Orange:** The most common. General purpose stock removal / light deburring.

**Blue:** Hardest general purpose grade. Longer life & more durable.



Burnt Orange part numbers are shown below.

Min. Pkg. 25

SIZE	ITEM NO.	LIST EACH
A1	80010	\$ 3.99
A2	80025	\$ 2.42
A3	80040	\$ 4.31
A4	80055	\$ 2.73
A5	80070	\$ 2.31
A6	80085	\$ 2.31
A11	80100	\$ 2.94
A12	80115	\$ 2.31
A13	80130	\$ 2.73
A14	80145	\$ 1.73
A15	80160	\$ 2.21
A21	80175	\$ 1.89
A22	80190	\$ 1.68
A23	80205	\$ 1.73
A24	80220	\$ 1.58
A25	80235	\$ 1.89
A26	80250	\$ 1.68
A31	80265	\$ 2.31
A32	80280	\$ 1.73
A33	80295	\$ 1.68
A34	80310	\$ 2.00
A35	80325	\$ 1.68
A36	80340	\$ 2.31
A37	80355	\$ 1.73
A38	80370	\$ 1.58
A39	80385	\$ 1.31
A40	80400	\$ 1.68

B41	80415	\$ 1.68
B42	80430	\$ 1.58
B43	80445	\$ 1.47
B44	80460	\$ 1.47
B45	80475	\$ 1.47
B46	80490	\$ 1.47
B47	80505	\$ 1.31
B51	80520	\$ 1.58
B52	80535	\$ 1.58
B53	80550	\$ 1.58
B54	80565	\$ 1.47

SIZE	ITEM NO.	LIST EACH
B55	80580	\$ 1.31
B61	80595	\$ 1.58
B62	80610	\$ 1.47
B63	80625	\$ 1.31
B64	80640	\$ 1.31
B65	80655	\$ 1.31
B70	80670	\$ 1.47
B71	80685	\$ 1.47
B72	80700	\$ 1.31
B73	80715	\$ 1.31
B74	80730	\$ 1.31
B81	80745	\$ 1.47
B82	80760	\$ 1.31
B83	80775	\$ 1.31
B84	80790	\$ 1.31
B90	80805	\$ 1.47
B91	80820	\$ 1.58
B92	80835	\$ 1.31
B93	80850	\$ 1.31
B94	80865	\$ 1.31
B95	80880	\$ 1.31
B96	80895	\$ 1.31
B97	80910	\$ 1.47
B98	80925	\$ 1.31
B101	80940	\$ 1.68
B102	80955	\$ 1.58
B103	80970	\$ 1.47
B104	80985	\$ 1.47
B105	81000	\$ 1.31
B106	81015	\$ 1.31
B111	81030	\$ 1.58
B112	81045	\$ 1.47
B113	81060	\$ 1.31
B114	81075	\$ 1.47
B115	81090	\$ 1.31
B121	81105	\$ 1.47
B122	81120	\$ 1.47
B123	81135	\$ 1.31
B124	81150	\$ 1.31
B125	81165	\$ 1.37

SIZE	ITEM NO.	LIST EACH
B131	81180	\$ 1.31
B132	81195	\$ 1.16
B133	81210	\$ 1.16
B134	81225	\$ 1.16
B135	81240	\$ 1.16
B136	81255	\$ 1.16

W141	81270	\$ 1.05
W142	81285	\$ 1.05
W143	81300	\$ 1.05
W144	81315	\$ 1.05
W145	81330	\$ 1.16
W146	81345	\$ 1.16
W149	81360	\$ 1.05
W151	81375	\$ 1.05
W152	81390	\$ 1.05
W153	81405	\$ 1.16
W154	81420	\$ 1.16
W157	81435	\$ 1.05
W158	81450	\$ 1.05
W159	81465	\$ 1.05
W160	81480	\$ 1.05
W161	81495	\$ 1.16
W162	81510	\$ 1.16
W163	81525	\$ 1.16
W164	81540	\$ 1.21
W165	81555	\$ 1.05
W166	81570	\$ 1.05
W167	81585	\$ 1.05
W168	81600	\$ 1.16
W169	81615	\$ 1.16
W170	81630	\$ 1.16
W171	81645	\$ 1.21
W172	81660	\$ 1.05
W173	81675	\$ 1.05
W174	81690	\$ 1.05
W175	81705	\$ 1.16
W176	81720	\$ 1.16
W176*	81735	\$ 1.16

SIZE	ITEM NO.	LIST EACH
W177	81750	\$ 1.21
W177*	81765	\$ 1.21
W178	81780	\$ 1.31
W178*	81795	\$ 1.31
W179	81810	\$ 1.68
W181	81825	\$ 1.05
W182	81840	\$ 1.05
W183	81855	\$ 1.05
W184	81870	\$ 1.16
W184*	81885	\$ 1.16
W185	81900	\$ 1.16
W185*	81915	\$ 1.16
W186	81930	\$ 1.21
W186*	81945	\$ 1.21
W187	81960	\$ 1.31
W187*	81975	\$ 1.31
W188	81990	\$ 2.00
W189	82005	\$ 2.52
W190	82020	\$ 1.16
W191	82035	\$ 1.16
W192	82050	\$ 1.16
W192*	82065	\$ 1.16
W193	82080	\$ 1.21
W193*	82095	\$ 1.21
W194	82110	\$ 1.21
W194*	82125	\$ 1.21
W195	82140	\$ 1.31
W195*	82155	\$ 1.31
W196	82170	\$ 1.47
W197	82185	\$ 2.63
W198	82200	\$ 3.26
W199	82215	\$ 1.16
W200	82230	\$ 1.16
W201	82245	\$ 1.16
W202	82260	\$ 1.21
W202*	82275	\$ 1.21
W203	82290	\$ 1.21
W203*	82305	\$ 1.21
W204	82320	\$ 1.31
W204*	82335	\$ 1.31

SIZE	ITEM NO.	LIST EACH
W205	82350	\$ 1.47
W206	82365	\$ 1.73
W207	82380	\$ 2.10
W208	82395	\$ 2.63
W209	82410	\$ 3.26
W210	82425	\$ 1.21
W211	82440	\$ 1.21
W212	82455	\$ 1.21
W212*	82470	\$ 1.21
W213	82485	\$ 1.31
W213*	82500	\$ 1.31
W214	82515	\$ 1.21
W214*	82530	\$ 1.21
W215	82545	\$ 1.21
W215*	82560	\$ 1.21
W216	82575	\$ 1.21
W216*	82590	\$ 1.21
W217	82605	\$ 1.31
W218	82620	\$ 1.31
W219	82635	\$ 1.47
W220	82650	\$ 1.58
W221	82665	\$ 2.21
W222	82680	\$ 2.73
W223	82695	\$ 3.36
W225	82710	\$ 1.47
W226	82725	\$ 1.58
W227	82740	\$ 1.58
W228	82755	\$ 1.68
W229	82770	\$ 1.89
W230	82785	\$ 2.21
W231	82800	\$ 2.63
W232	82815	\$ 3.26
W235	82830	\$ 1.58
W236	82845	\$ 1.68
W237	82860	\$ 2.00
W238	82875	\$ 2.73
W239	82890	\$ 3.36
W242	82905	\$ 2.52
W243	82920	\$ 3.36
W244	82935	\$ 4.20

\* = 1/4" Shank (also available with 1/8" shank at the same price)

Shape	Attributes
"A" Shapes	Come in a variety of shapes. All have 1/4" shanks
"B" Shapes	Come in a variety of shapes. All have 1/8" shanks
"W" Shapes	All are cylindrical. Available with 1/8" or 1/4" shanks

For Unitized or "MX" mounted points, see page 52

# NON-WOVEN COMPETITIVE CROSS-REFERENCE

**PREFERRED "Flex-N-Finish"®**

**3M "Scotch-Brite"**

**STANDARD "BriteRite"**

**NORTON "BEAR-TEX"**

## SURFACE CONDITIONING DISC MATERIAL

A-CRS (BROWN)	SCRIM COARSE	FE/GP/RC COARSE	STE COARSE
A-MED (MAROON)	SCRIM MEDIUM	FE/GP/RC MEDIUM	STE MEDIUM
A-VF (BLUE)	SCRIM VERY FINE	FE/GP/RC VERY FINE	STE VERY FINE
S-SF (GRAY)	SCRIM S SUPER FINE	N/A	N/A
C-HD CRS (BROWN) Heavy Duty	COARSE SE	N/A	SCF COARSE
C-HD MED (MAROON) Heavy Duty	MEDIUM SE	N/A	SCF MEDIUM

## SURFACE CONDITIONING BELT MATERIAL

A-CRS X-FLEX (BROWN W/Green Back)	SCRIM COARSE	FE COARSE	STE COARSE
A-CRS LS (BROWN Low Stretch)	L.S. COARSE	FE/RC COARSE	L.S. COARSE
A-MED X-FLEX (MAROON W/Green Back)	SCRIM MEDIUM	FE MEDIUM	STE MEDIUM
A-MED LS (MAROON Low Stretch)	L.S. MEDIUM	FE/RC MEDIUM	L.S. MEDIUM
A-VF X-FLEX (BLUE W/Green Back)	SCRIM VERY FINE	FE VERY FINE	STE VERY FINE
A-VF LS (BLUE Low Stretch)	L.S. VERY FINE	FE/RC VERY FINE	L.S. VERY FINE
S-SF LS (GRAY Low Stretch)	N/A	N/A	N/A

## ROLLS & DISCS

A-MED (TAN)	CUT & POLISH MED. A/O	AP MEDIUM / HEAVY DUTY A/O	FASTCUT A/O MED
A-MED (MAROON)	CLEAN & FINISH MED. A/O	GP A/O MEDIUM	BUFF & BLEND MED A/O
A-FINE (MAROON)	CLEAN & FINISH FINE A/O	GP A/O FINE	STANDARD FINE A/O
A-VF (MAROON)	CLEAN & FINISH V FINE A/O	GP A/O VERY FINE	STANDARD V-FINE A/O
HIGH STRENGTH A-MED (MAROON)	HIGH STRENGTH MED. A/O	HP A/O MEDIUM	HIGH STRENGTH A/O (M)
HIGH STRENGTH A-FINE (MAROON)	HIGH STRENGTH FINE. A/O	HP A/O FINE	HIGH STRENGTH A/O (F)
HIGH STRENGTH A-VF (MAROON)	HIGH STRENGTH V. FINE A/O	HP A/O VERY FINE	HIGH STRENGTH A/O (VF)
S-MED (GRAY)	CLEAN & FINISH MED. S/C	N/A	S M (GRAY)
S-FINE (GRAY)	CLEAN & FINISH FINE S/C	N/A	S F (GRAY)
S-VF (GRAY)	CLEAN & FINISH V FINE S/C	GP S/C VERY FINE	S VF (GRAY)
S-SF (GRAY)	CLEAN & FINISH S FINE S/C	N/A	S UF
S-UF (GRAY)	CLEAN & FINISH U FINE S/C	N/A	S MF (GRAY)

## HAND PADS

GENERAL PURP. A-VF (MAROON)	GENERAL PURP. #7447	GENERAL PURP. A/O	GENERAL PURP. #747
HEAVY DUTY A HD (TAN)	HEAVY DUTY #7440	HEAVY DUTY A/O	HEAVY DUTY #740
ULTRA FINE S-UF (GRAY)	ULTRA FINE S/C #7448	ULTRA FINE S/C	FINAL SHINE #748
STAINLESS STEEL S-MED (BLACK)	MEDIUM S/C #7446	N/A	N/A
INDUSTRIAL SCOURING (GREEN)	INDUSTRIAL #96	INDUSTRIAL	SCOURING #796
HD COMM. SCOURING (GREEN)	COMMERCIAL #86	COMMERCIAL	N/A
CLEANING-NON ABRASIVE (WHITE)	CLEANSING PAD #7445	CLEANING	CLEANING PAD #456

## CONVOLUTE WHEELS

DEBURRING XL3	EX3, EXL XP	N/A	N/A
DEBURRING XL2	EX2	DEBURRING 10 Hardness	SERIES 4000
DEBURRING XL	EXL	DEBURRING 8 & 9 Hardness	SERIES 1000
LIGHT DEBURRING LDW	LIGHT DEBURRING	GENERAL PURPOSE 7Hardness	SERIES 2000

## UNITIZED WHEELS

XL UNITIZED 2 HARDNESS	EXL UNITIZED 2 HARDNESS	SERIES 500	UW1-2
XL UNITIZED 4 HARDNESS	EXL UNITIZED 4 HARDNESS	SERIES 600	UW1-4
XL UNITIZED 6 HARDNESS	EXL UNITIZED 6 HARDNESS	SERIES 700	UW1-6
XL UNITIZED 8 HARDNESS	EXL UNITIZED 8 HARDNESS	SERIES 911 / 721	UW1-8
CP UNITIZED 5 HARDNESS	CUT & POLISH 5 HARDNESS	SERIES 731 / 732	UW1-6
CP UNITIZED 7 HARDNESS	CUT & POLISH 7 HARDNESS	SERIES 800	UW1-8

# Surface Conditioning Belts

Surface conditioning belts are aggressive, but will not gouge or harm the surface. They can be used on conventional belt machines and air sanders for deburring, surface conditioning, buffing & polishing.



## GRADE / COLOR

- A-CRS = BROWN
- A-MED = MAROON
- A-FINE = GREEN (new)
- A-VF = BLUE
- S-SF = GRAY

***X-Flex:*** is a premium material used primarily on narrow & short length belts. The flexible green backing offers improved grain retention! Low Stretch material is also available at the same price.

***"LS" - Low Stretch:*** stiffer and more aggressive than X-Flex, this material is used on longer belts to reduce stretching.

SIZE	MTL.	GRADE	ITEM NO.	LIST EACH
1/2 x 12" Std. Pkg. 20	X-Flex	A-CRS	535015	\$ 4.72
		A-MED	535025	
		A-VF	535035	
1/2 x 18" Std. Pkg. 24	X-Flex	A-CRS	<b>53512</b>	\$ 4.23
		A-MED	<b>53513</b>	
		A-VF	<b>53514</b>	
1/2 x 24" Std. Pkg. 20	X-Flex	A-CRS	<b>53524</b>	\$ 4.46
		A-MED	<b>53525</b>	
		A-VF	<b>53526</b>	
3/4 x 18" Std. Pkg. 20	X-Flex	A-CRS	<b>53532</b>	\$ 4.88
		A-MED	<b>53533</b>	
		A-VF	<b>53534</b>	
3/4 x 20-1/2" Std. Pkg. 20	X-Flex	A-CRS	<b>53535</b>	\$ 5.48
		A-MED	<b>53536</b>	
		A-VF	<b>53537</b>	
1 x 30" Std. Pkg. 10	LS	A-CRS	535405	\$ 10.21
		A-MED	535415	
		A-VF	535425	
1 x 42" Std. Pkg. 12	LS	A-CRS	<b>53556</b>	\$ 9.59
		A-MED	<b>53557</b>	
		A-VF	<b>53558</b>	
1-1/2 x 60" Std. Pkg. 10	LS	A-CRS	535705	\$ 21.45
		A-MED	535715	
		A-VF	535725	
2 x 48" Std. Pkg. 6	LS	A-CRS	<b>53660</b>	\$ 15.88
		A-MED	53661	
		A-VF	<b>53662</b>	
2 x 60" Std. Pkg. 6	LS	A-CRS	53668	\$ 18.26
		A-MED	53669	
		A-VF	53670	
2 x 72" Std. Pkg. 6	LS	A-CRS	53676	\$ 22.93
		A-MED	<b>53677</b>	
		A-VF	53678	

SIZE	MTL.	GRADE	ITEM NO.	LIST EACH
2 x 132" Std. Pkg. 6	LS	A-CRS	53696	\$ 37.10
		A-MED	53697	
		A-VF	53698	
2-1/2 x 60" Std. Pkg. 5	LS	A-CRS	53728	\$ 29.73
		A-MED	<b>53729</b>	
		A-VF	53730	
2-3/4 x 15-1/2" Std. Pkg. 10	X-Flex	A-CRS	53736	\$ 16.80
		A-MED	53737	
		A-VF	53738	
3 x 24" Std. Pkg. 8	LS	A-CRS	53752	\$ 19.41
		A-MED	53753	
		A-VF	53754	
3 x 132" Std. Pkg. 4	LS	A-CRS	53772	\$ 54.75
		A-MED	<b>53773</b>	
		A-VF	53774	
3-1/2 x 15-1/2" Std. Pkg. 10	X-Flex	A-CRS	<b>53788</b>	\$ 17.33
		A-MED	<b>53789</b>	
		A-VF	<b>53790</b>	
3-1/2 x 15-1/2" Std. Pkg. 10	LS	A-CRS	<b>53788-LS</b>	\$ 17.33
		A-MED	<b>53789-LS</b>	
		A-VF	<b>53790-LS</b>	
4 x 24" Std. Pkg. 6	LS	A-CRS	<b>53800</b>	\$ 21.85
		A-MED	53801	
		A-VF	53802	
4 x 132" Std. Pkg. 3	LS	A-CRS	53824	\$ 69.68
		A-MED	53825	
		A-VF	53826	
4 x 168" Std. Pkg. 3	LS	A-CRS	53832	\$ 87.07
		A-MED	53833	
		A-VF	53834	
6 x 48" Std. Pkg. 4	LS	A-CRS	<b>53856</b>	\$ 46.01
		A-MED	<b>53857</b>	
		A-VF	<b>53858</b>	

A-FINE (Green) & S-SF (Gray) materials are now available at the same price.

# Surface Conditioning: Quick-Locks

**Premium & PC:** These Surface Conditioning discs are made from stiff "Scrim Backed" material designed exclusively for "disc use". Since we do not use the same material for belts, it does not need to be flexed, which improves grain retention. Great for deburring, blending machine tool marks, general surface cleaning, gasket removal & heavy rust and oxidation removal. Resists loading on most materials. **Our "Premium" product offers exceptional "smear resistance".**

**HD:** (Ceramic Heavy Duty) Surface Conditioning discs contain a Ceramic / AO blend with additional resin for added strength & durability. Great on stainless steel. They are stiffer and more aggressive than our "Premium" or "PC" discs.

DIA.	GRADE	PREMIUM			"PC"		
		TYPE "S"	TYPE "R"	LIST EA.	TYPE "S"	TYPE "R"	LIST EA.
3/4" Std. Pkg. 100	A-CRS	53434	53467	\$ 0.69	-	-	-
	A-MED	53435	53468		-	-	
	A-VF	53436	53469		-	-	
1" Std. Pkg. 100	A-CRS	53437	53470	\$ 0.69	-	-	-
	A-MED	<b>53438</b>	53471		-	-	
	A-VF	53439	53472		-	-	
1-1/2" Std. Pkg. 100	A-CRS	<b>53440</b>	<b>53473</b>	\$ 0.78	<b>53440-PC</b>	<b>53473-PC</b>	\$ 0.66
	A-MED	<b>53441</b>	<b>53474</b>		<b>53441-PC</b>	<b>53474-PC</b>	
	A-VF	<b>53442</b>	<b>53475</b>		<b>53442-PC</b>	<b>53475-PC</b>	
	S-SF	53442-5	53475-5		-	-	
2" Std. Pkg. 50	A-CRS	<b>53443</b>	<b>53476</b>	\$ 1.05	<b>53443-PC</b>	<b>53476-PC</b>	\$ 0.89
	A-MED	<b>53444</b>	<b>53477</b>		<b>53444-PC</b>	<b>53477-PC</b>	
	A-VF	<b>53445</b>	<b>53478</b>		<b>53445-PC</b>	<b>53478-PC</b>	
	S-SF	53445-5	53478-5		-	-	
3" Std. Pkg. 25	A-CRS	<b>53446</b>	<b>53479</b>	\$ 1.93	<b>53446-PC</b>	<b>53479-PC</b>	\$ 1.64
	A-MED	<b>53447</b>	<b>53480</b>		<b>53447-PC</b>	<b>53480-PC</b>	
	A-VF	<b>53448</b>	<b>53481</b>		<b>53448-PC</b>	<b>53481-PC</b>	
	S-SF	53448-5	53481-5		-	-	
4" Std. Pkg. 25	A-CRS	53449	<b>53485</b>	\$ 2.70	53449-PC	<b>53485-PC</b>	\$ 2.30
	A-MED	53450	<b>53486</b>		53450-PC	<b>53486-PC</b>	
	A-VF	53451	53487		53451-PC	53487-PC	
	S-SF	53452	53488		-	-	

## GRADE / COLOR

- A-CRS = BROWN
- A-MED = MAROON
- A-FINE = GREEN (new)
- A-VF = BLUE
- S-SF = GRAY



A-FINE are available at the same priced as A-VF.

		HEAVY DUTY		
2" Std. Pkg. 50	C-CRS	<b>53443-HD</b>	<b>53476-HD</b>	\$ 1.24
	C-MED	<b>53444-HD</b>	<b>53477-HD</b>	\$ 1.20
3" Std. Pkg. 25	C-CRS	53446-HD	53479-HD	\$ 2.19
	C-MED	<b>53447-HD</b>	<b>53480-HD</b>	\$ 2.06
4" Std. Pkg. 25	C-CRS	53449-HD	<b>53485-HD</b>	\$ 3.08
	C-MED	53450-HD	53486-HD	\$ 2.95



## "HD" Material

(Ceramic Heavy Duty)

- C-CRS HD = BROWN
- C-MED HD = MAROON

Holdings - page 19

# Surface Conditioning Flap Discs

DIA.	MAX RPM	OPTIMUM RPM	GRADE	ITEM NO.	LIST EACH
4-1/2" x 7/8" Std. Pkg. 5	13,300	5,000	A-CRS	<b>53250</b>	\$ 13.33
			A-MED	<b>53251</b>	
			A-VF	<b>53252</b>	

Also available with 5/8-11 hub.



# Surface Conditioning: Hook & Loop Discs

**Hook & Loop:** These discs are made from stiff "Scrim Backed" material designed exclusively for "disc use". Since we do not use the same material for belts, it does not need to be flexed, which improves grain retention. Great for deburring, blending machine tool marks, general surface cleaning, gasket removal & heavy rust and oxidation removal.

**HD:** (Ceramic Heavy Duty) These discs contain a Ceramic / AO blend with additional resin for added strength & durability. These discs are very stiff and aggressive.

DIA.	GRADE	ITEM NO.	LIST EACH
2" Std. Pkg. 25	A-CRS	53207	\$ 0.98
	A-MED	53209	\$ 0.86
	A-VF	53211	\$ 0.86
3" Std. Pkg. 25	A-CRS	53213	\$ 1.88
	A-MED	53215	\$ 1.66
	A-VF	53217	\$ 1.66
4" Std. Pkg. 25	A-CRS	53219	\$ 2.62
	A-MED	53221	\$ 2.33
	A-VF	53223	\$ 2.33
4-1/2" * Std. Pkg. 20	C-CRS HD	53224HD	\$ 3.37
	C-MED HD	53224-2HD	\$ 3.07
	A-CRS	53224	\$ 2.88
	A-MED	53224-2	\$ 2.54
	A-FINE	53224-3	\$ 2.54
	A-VF	53224-4	\$ 2.54
	S-SF	53224-5	\$ 2.54
5" * Std. Pkg. 20	C-CRS HD	53225HD	\$ 3.71
	C-MED HD	53227HD	\$ 3.21
	A-CRS	53225	\$ 3.44
	A-MED	53227	\$ 3.04
	A-FINE	53228	\$ 3.04
	A-VF	53229	\$ 3.04
7" * Std. Pkg. 10	C-CRS HD	53237HD	\$ 7.16
	C-MED HD	53239HD	\$ 5.84
	A-CRS	53237	\$ 5.96
	A-MED	53239	\$ 5.21
	A-FINE	53240	\$ 5.21
	A-VF	53241	\$ 5.21
	S-SF	53242	\$ 5.21



### GRADE / COLOR

- A-CRS = BROWN
- A-MED = MAROON
- A-FINE = GREEN (new)
- A-VF = BLUE
- S-SF = GRAY

**"HD" Material**  
(Ceramic Heavy Duty)

- C-CRS HD = BROWN
- C-MED HD = MAROON

*Designed specifically for*  
**Surf. Cond. Discs.**

These holders feature  
Extra Long "T" Hooks.



Std. Pkg. 1

HOOK & LOOP HOLDERS				
DIA. x ARBOR	MAX RPM	ITEM NO.	LIST EACH	
2" x 1/4"	19,000	53902	\$ 11.92	
3" x 1/4"	17,000	53903	\$ 14.28	
4" x 1/4"	15,000	53904	\$ 16.54	
4" x 5/8-11	15,000	53904SH	\$ 17.81	
4-1/2" x 5/8-11	13,000	53904Z3	\$ 18.53	
5" x 5/16-24	12,000	53905-T	\$ 19.87	
5" x 5/8-11	12,000	53905Z1	\$ 19.84	
7" x 5/8-11	8,500	53907	\$ 32.48	

\* Also stocked with 7/8" arbor hole to fit on resin fiber back-up pads.

# Surface Conditioning Bands

DIA.	MAX RPM	GRADE	ITEM NO.	LIST EACH
1 x 1" Std. Pkg 25	18,000	A-CRS	534940	\$ 3.30
		A-MED	534941	\$ 2.97
		A-VF	534942	\$ 2.97
1-1/2 x 1-1/2" Std. Pkg 25	10,000	A-CRS	534950	\$ 4.93
		A-MED	534951	\$ 4.79
		A-VF	534952	\$ 4.79
2 x 2" Std. Pkg 25	6,000	A-CRS	534960	\$ 5.99
		A-MED	534961	\$ 5.62
		A-VF	534962	\$ 5.62

Surface conditioning bands fit on conventional rubber drums. Great for finishing curved or contoured surfaces, or for applying a linear scratch pattern to small areas.



Rubber drums - page 40

# Non-Woven Discs: Quick-Locks

## Finishing



DIA.	MAX RPM	GRADE	TYPE "S"	TYPE "R"	LIST EACH
2" Std. Pkg. 50	12,000	A- MED	<b>53343</b>	<b>53376</b>	\$ 0.97
		A- FINE	<b>53344</b>	<b>53377</b>	\$ 0.91
		A-VF	<b>53345</b>	<b>53378</b>	\$ 0.91
3" Std. Pkg. 25	8,000	A- MED	<b>53346</b>	<b>53379</b>	\$ 1.55
		A- FINE	<b>53347</b>	<b>53380</b>	\$ 1.39
		A-VF	<b>53348</b>	<b>53381</b>	\$ 1.39



"Finishing" discs are made of soft "hand pad" type material. They can remove slight imperfections, light oxidation & other minor defects. NOT intended for deburring!

## Hi-Strength

2" Std. Pkg. 50	12,000	A- MED	<b>53384</b>	<b>53390</b>	\$ 1.78
		A- FINE	53385	<b>53391</b>	\$ 1.67
		A-VF	53386	<b>53392</b>	\$ 1.67
3" Std. Pkg. 25	8,000	A- MED	<b>53387</b>	<b>53393</b>	\$ 2.60
		A- FINE	53388	<b>53394</b>	\$ 2.41
		A-VF	53389	<b>53395</b>	\$ 2.41



Hi-Strength fibers combined with high grain content make these durable discs ideal for deburring or final finishing work.

## Surface Prep



SIZE DIA. / THICK.	MAX RPM	GRADE	TYPE "R"	LIST EACH
2" x 1/2" Std. Pkg. 25	18,000	A/O FINE	<b>546020</b>	\$ 2.27
		S/C S-FINE	<b>546021</b>	\$ 2.27



These soft unitized discs will remove light scratches and imperfections without altering the base material.

**2SF & 2AM** - Denser & more durable than surface prep discs. Will remove light imperfections without altering base material.

**6AM** - Capable of heavier deburring & surface finishing.

**GFP** - (Green Final Polish) wheels will leave a bright "mirror like" final finish on a variety of metals. They will not alter part geometry and do not require compound!

## Unitized



2" x 1/4" Std. Pkg. 10	22,100	GFP	<b>544591</b>	\$ 5.68
		2SF	<b>544602</b>	\$ 4.76
		2AM	<b>544600</b>	\$ 4.76
		6AM	<b>544604</b>	\$ 5.90
3" x 1/4" Std. Pkg. 10	15,100	GFP	<b>544611</b>	\$ 9.22
		2SF	<b>544614</b>	\$ 7.03
		2AM	<b>544612</b>	\$ 7.03
		6AM	<b>544616</b>	\$ 8.28



## Felt Polishing Disc

Std. Pkg. 10



DIA.	TYPE "S"	TYPE "R"	LIST EACH
2"	58240	<b>58242</b>	\$ 2.25
3"	58241	<b>58243</b>	\$ 3.52

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## Compound

Std. Pkg. 1



TYPE	ITEM NO.	LIST
Chrome Rouge	<b>58400</b>	\$ 7.82
Stainless	<b>58402</b>	\$ 7.17
White Rouge	<b>58403</b>	\$ 6.69

# Flex-N-Finish® Pads, Rolls & Discs

Designed for general clean-up, light deburring & blending. The open structure prevents loading and they can be used wet or dry.

## Flex-N-Finish® Hand Pads

SIZE	ITEM NO.	GRADE	POPULAR EQUIV.	LIST EACH
6" x 9" Std. Pkg. 10 pcs. 60/Case	<b>07447</b>	Maroon General Purpose	7447	\$ 0.84
	<b>07448</b>	Gray Ultra Fine	7448	\$ 0.98
	<b>07440</b>	Tan Heavy Duty	7440	\$ 2.18
	<b>07446</b>	Gray Blending S-MED	7446	\$ 2.25
	<b>07450</b>	Green Scouring #96	96	\$ 0.85
	<b>07451</b>	Green HD Scouring #86	86	\$ 1.26
	<b>07445</b>	Light Duty White	7445	\$ 1.11



These rolls can be cut to size with scissors. Made from the same flexible material as our hand pads.

## Flex-N-Finish® Rolls

Std. Pkg. 1 Roll

SIZE	HEAVY DUTY	A-MED	A-FINE	A-VF	S-UF
	TAN	MAROON	MAROON	MAROON	GRAY
2" x 30'	53033	53034	53035	53036	53039
	\$48.40	\$46.27	\$34.99	\$29.92	\$29.92
4" x 30'	<b>53045</b>	<b>53046</b>	<b>53047</b>	<b>53048</b>	<b>53051</b>
	\$94.30	\$71.18	\$53.84	\$45.63	\$45.63
6" x 30'	<b>53057</b>	<b>53058</b>	53059	<b>53060</b>	53063
	\$140.85	\$124.88	\$102.40	\$80.78	\$80.78



Other width rolls and other grits are also available, call for price & availability.

\* Tan Heavy Duty is comparable the 3M's Tan "Cut & Polish" material.

**Heavy Duty:** discs can handle light to moderate surface cleaning and deburring. Great for satin and antique finishing, scratch blending and thread cleaning. They are highly conformable and can be ganged on a mandrel or a shaft.  
**TAN HEAVY DUTY:** Comparable the 3M's Tan "Cut & Polish" material.

**Hi-Strength:** discs can handle medium to heavy surface cleaning and deburring. The high strength fibers combined with a high grain content deliver a tough long lasting disc. Discs can be mounted individually or ganged on a mandrel or a shaft. For extra stiffness, use with side plates.

## Flex-N-Finish® Discs

Std. Pkg. 25

SIZE	MAX RPM	GRADE	Heavy Duty		Hi-Strength	
			ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
6 x 1/2"	3,600	TAN HD	53099-6	\$ 4.49	-	-
		A-MED	<b>53136</b>	\$ 3.24	<b>53187-1</b>	\$ 5.72
		A-FINE	<b>53137</b>	\$ 2.11	<b>53187-2</b>	\$ 3.50
		A-VF	<b>53138</b>	\$ 1.77	<b>53187-3</b>	\$ 3.36
8 x 1/2"	2,700	HD TAN	<b>53099-8</b>	\$ 5.91	-	-
		A-MED	<b>53150</b>	\$ 4.80	<b>53188-1</b>	\$ 8.73
		A-FINE	<b>53151</b>	\$ 3.29	<b>53188-2</b>	\$ 4.90
		A-VF	<b>53152</b>	\$ 2.74	<b>53188-3</b>	\$ 4.70

Other sizes & arbor holes available.





# Flex-N-Finish® Wheels

## Flex-N-Finish® Disc Wheels

Std. Pkg. 5

SIZE	MAX RPM	GRADE	ITEM NO.	LIST EACH
2 x 1/2 x 1/4" (2 Discs)	12,000	A-MED	54213	\$ 5.82
		A-FINE	54215	
2 x 1 x 1/4" (4 Discs)	12,000	A-MED	<b>54217</b>	\$ 9.11
		A-FINE	<b>54219</b>	
3 x 1/2 x 1/4" (2 Discs)	8,000	A-MED	<b>54221</b>	\$ 6.57
		A-FINE	54223	
3 x 1 x 1/4" (4 Discs)	8,000	A-MED	<b>54225</b>	\$ 11.00
		A-FINE	<b>54227</b>	

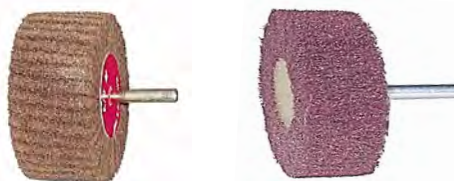


Finishing discs can handle light to moderate surface cleaning and deburring, satin and antique finishing, scratch blending and thread cleaning. They are highly conformable.

## Flex-N-Finish® Mtd. Flap Brushes

Std. Pkg. 10

2 x 1 x 1/4"	13,700	TAN	5400201	\$ 14.34
		A-MED	<b>54020103</b>	\$ 8.70
		A-FINE	<b>54020105</b>	
		A-VF	<b>54020107</b>	
3 x 1 x 1/4"	8,600	TAN	5400301	\$ 11.40
		A-MED	<b>54030103</b>	\$ 11.40
		A-FINE	<b>54030105</b>	
		A-VF	<b>54030107</b>	
3 x 2 x 1/4"	8,600	TAN	5400302	\$ 13.29
		A-MED	<b>54030203</b>	\$ 13.29
		A-FINE	<b>54030205</b>	
		A-VF	<b>54030207</b>	



TAN = 3M's  
Cut & Polish Flap  
Brush

A-MED  
A-FINE  
A-VF

Finishing flap wheels can handle light to moderate surface cleaning, deburring, satin and antique finishing and scratch blending.

## Flex-N-Finish® Interleaf Flap Wheels

Std. Pkg. 5

1 x 1 x 1/4"	15,000	A-MED/80	<b>54117</b>	\$ 6.50
		A-MED/120	<b>54118</b>	
		A-MED/180	<b>54119</b>	
2 x 1 x 1/4"	13,700	A-MED/80	<b>54123</b>	\$ 8.70
		A-MED/120	<b>54124</b>	
		A-MED/180	<b>54125</b>	
3 x 1 x 1/4"	8,600	A-MED/80	<b>54131</b>	\$ 11.40
		A-MED/120	<b>54132</b>	
		A-MED/180	<b>54133</b>	
3 x 2 x 1/4"	8,600	A-MED/80	<b>54138</b>	\$ 15.35
		A-MED/120	<b>54139</b>	
		A-MED/180	<b>54140</b>	



Interleaf flap wheels are made of alternating flaps of coated abrasive and non-woven material. Eliminates chatter at slow speeds.

## Flex-N-Finish® Flap Brushes

6 x 1 x 2" Std. Pkg. 5	4,500	A-MED	<b>54421</b>	\$ 53.63
		A-FINE	<b>54422</b>	
6 x 2 x 2" Std. Pkg. 5	4,500	A-MED	<b>54426</b>	\$ 72.69
		A-FINE	<b>54427</b>	
8 x 1 x 3" STD. PKG. 3	4,000	A-MED	<b>54433</b>	\$ 71.56
		A-FINE	<b>54434</b>	
8 x 2 x 3" STD. PKG. 3	4,000	A-MED	<b>54441</b>	\$ 124.81
		A-FINE	<b>54442</b>	



Flap brushes are flexible and will conform to irregular surfaces. They will provide fine, uniform finishes on aluminum, brass & other soft metals. These wheels are "Medium" density, harder densities are also available.

Gray S/C wheels available on request.

## Cross-Buffs

DIA.	MAX RPM	GRADE	ITEM NO.	LIST EACH
1-1/2" x 1/4-20 Std. Pkg. 50 2-PLY	20,000	A- MED	<b>56006</b>	\$ 2.40
		A- FINE	<b>56007</b>	
		A- VF	<b>56008</b>	
2" x 1/4-20 Std. Pkg. 50 2-PLY	12,000	A- MED	<b>56011</b>	\$ 2.75
		A- FINE	<b>56012</b>	
		A- VF	56013	
3" x 1/4-20 Std. Pkg. 25 2-PLY	8,000	A- MED	<b>56016</b>	\$ 3.70
		A- FINE	56017	
		A- VF	56018	
1/4-20 x 3" OAL EYELET MANDREL			<b>50330</b>	\$ 4.31

Made with Hi-Strength material, cross buffs are ideal for ID polishing of tubes & cylindrical parts. Very conformable to fit in tight areas. Open construction reduces loading & leaves a matte finish.



## Surface Conditioning Stars



DIA.	MAX RPM	GRADE	1/4-20 EYELET	TYPE "R"	LIST EACH
1-1/2" Std. Pkg. 50	25,000	A-CRS	<b>55007</b>	-	\$ 2.11
		A-MED	<b>55008</b>	-	
		A-VF	<b>55009</b>	-	
2" Std. Pkg. 50	20,000	A-CRS	<b>55010</b>	<b>55010-R</b>	\$ 2.65
		A-MED	<b>55011</b>	<b>55011-R</b>	
		A-VF	<b>55012</b>	<b>55012-R</b>	
3" Std. Pkg. 25	12,000	A-CRS	<b>55015</b>	<b>55015-R</b>	\$ 4.27
		A-MED	<b>55016</b>	<b>55016-R</b>	
		A-VF	55017	<b>55017-R</b>	
4" Std. Pkg. 25	10,000	A-CRS	55020	55020-R	\$ 6.52
		A-MED	55021	55021-R	
		A-VF	55022	55022-R	
1/4-20 x 3" OAL EYELET MANDREL				<b>50330</b>	\$ 4.31

Surface conditioning stars are designed for cleaning and polishing the I.D. of tubing. Effective on stainless steel, aluminum, steel and most other materials, both ferrous & non-ferrous.



## Surface Prep Wheels - Type 27

Maroon & Gray Surface Prep wheels are ideal for paint removal, polishing & light scratch removal when a good finish is required. **DO NOT USE ON SHARP EDGES OR LARGE BURRS.**

GFP - (Green Final Polish) wheels will leave a high luster on stainless steel & will leave a bright "mirror like" final finish on a variety of metals. They will not alter part geometry. GFP wheels do not require compound!

DIA.	MAX RPM	GRADE	COLOR	ITEM NO.	LIST EACH
4-1/2 x 7/8" Std. Pkg. 5	11,000	A-FINE	MAROON	<b>546040</b>	\$ 7.09
		S-SF	GRAY	<b>546041</b>	
		GFP	GREEN	<b>546100</b>	\$ 18.51



# Convolute Wheels

## "Premium" Deburring Wheels: Grade Characteristics

- 7 Hardness** Light Deburring Wheel. Open web prevents loading. Soft density prevents unintended metal removal.
- 8 Hardness** ***Best starting point for new applications!*** Good for medium deburring, blending and polishing.
- 9 Hardness** Good wheel for heavier deburring & polishing.
- 10 Hardness** Hardest wheel, offers superior edge retention. Great for tough burs and sharp edges.

## "XL2" Heavy Deburring Wheels

Advanced resin system & high grain content make these wheels the best choice for rapid stock removal & heavy deburring.



Std. Pkg. 1

SIZE DIA. x WIDTH x AH	MAX GRADE RPM	Premium		XL2/Heavy Debur	
		ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
6 x 1/2 x 1	8SF 6,000	<b>545103</b>	\$ 50.51	-	-
	9SF 6,000	<b>545105</b>	\$ 50.51	<b>545105-XL2</b>	\$ 55.20
	10SF 6,000	<b>545107</b>	\$ 50.51	-	-
6 x 1 x 1	7SF 4,500	<b>545420</b>	\$ 63.83	-	-
	8AM 6,000	<b>545109</b>	\$ 66.60	<b>545109-XL2</b>	\$ 76.60
	8SM 6,000	<b>545111</b>	\$ 66.60	-	-
	8SF 6,000	<b>545110</b>	\$ 66.60	<b>545110-XL2</b>	\$ 76.60
	9SF 6,000	<b>545112</b>	\$ 66.60	<b>545112-XL2</b>	\$ 77.60
	10SF 6,000	<b>545114</b>	\$ 69.94	-	-
8 x 1/2 x 3	8SF 4,500	545121	\$ 58.28	-	-
	9SF 4,500	545122	\$ 58.28	-	-
8 x 1 x 3	7SF 3,400	<b>545422</b>	\$ 83.26	-	-
	8AM 4,500	<b>545126</b>	\$ 86.03	<b>545126-XL2</b>	\$ 97.40
	8SM 4,500	<b>545128</b>	\$ 86.03	-	-
	8SF 4,500	<b>545127</b>	\$ 86.03	<b>545127-XL2</b>	\$ 97.40
	9SF 4,500	<b>545129</b>	\$ 86.03	<b>545129-XL2</b>	\$ 97.40
	10SF 4,500	<b>545132</b>	\$ 88.94	-	-
12 x 1 x 5	7SF 2,100	545424	\$ 116.56	-	-
	8SF 2,100	545145	\$ 122.11	-	-
	9SF 2,100	545147	\$ 122.11	-	-



Grade explanation:

9SF	9 = Hardness
	S = Silicon Carbide
	F = Fine Grit

8AM	8 = Hardness
	A = Aluminum Oxide
	M = Medium Grit

Other sizes and grades are available. Arbor hole reducer bushings - page 50

## Metal Finishing Wheels (RED)

Std. Pkg. 1

6 x 1 x 1	5AM	6,000	545236	\$ 78.50
6 x 2 x 1	5AM	6,000	545238	\$ 124.52
8 x 1 x 3	5AM	4,500	545240	\$ 97.55
8 x 2 x 3	5AM	4,500	545242	\$ 167.66



These durable wheels provide users with a long-lasting finishing wheel for decorative, satin and antique finishing of stainless steel, brass and aluminum.

## Multi-Finishing Wheels (GRAY)

Std. Pkg. 1

6 x 1 x 1	2SC	6,000	545200	\$ 43.97
	2SM	6,000	545201	
6 x 2 x 1	2SC	6,000	545203	\$ 70.26
	2SM	6,000	545204	



Highly conformable, will provide a #4 RMS "Food Grade" finish. Best wheel to provide a bright, uniform linear finish on stainless steel or aluminum. Do not use on edges or burrs!

## GFP Wheels (GREEN)

Std. Pkg. 1

6 x 1 x 1	GFP	4,750	<b>545409</b>	\$ 65.66
8 x 1 x 3	GFP	3,400	<b>545411</b>	\$ 82.06
8 x 2 x 3	GFP	3,400	<b>545412</b>	\$ 145.44



GFP - (Green Final Polish) wheels will leave a "mirror like" finish on a variety of metals. Will not alter part geometry and do not require compound!

# Unitized Wheels

**XL Unitized Wheels** - provide a consistent, uniform finish on most materials. They can be used on highly alloyed materials without smearing.

**CP Unitized Wheels** - **C**utting & **P**olishing wheels are harder than XL wheels. They replace rubber bonded wheels, set-up wheels & flap wheels. They provide a consistent uniform finish & are ideal for deburring most materials.

## Competitive Products:

Preferred	3-M	Standard	Norton
XL 2	EXL 2	Series 500	UW1-2
XL 6	EXL 6	Series 700	UW1-4
XL 8	EXL 8	Series 911 / 721	UW1-6
CP 5AF	CP-5AF	731	UW1-6AF
CP 5SF	CP-5SF	732	UW1-6SF
CP 7AC	CP-7AC	811	UW1-8AC
CP 7AM	CP-7AM	821	UW1-8AM
CP 7SM	CP-7SM	822	UW1-8SM

SIZE DIA. x WIDTH x AH	GRADE	BOND	MAX RPM	ITEM NO.	LIST EACH
1 x 1 x 3/16 Std. Pkg. 50	2SF	XL	25,000	<b>544892</b>	\$ 3.74
	6AM		35,000	<b>544893</b>	\$ 4.37
	6SF		35,000	544894	\$ 4.37
	8AM		35,000	<b>544895</b>	\$ 4.88
	8AC		35,000	<b>544896</b>	\$ 4.88
	5AF	CP	35,000	545000	
	7AM		35,000	545001	
	7AC		35,000	<b>545002</b>	
	7SM		35,000	<b>545003</b>	
2 x 1/8 x 1/4 Std. Pkg. 60	8AM	XL	22,000	<b>544903-8AM</b>	\$ 4.10
	5AF	CP	22,000	545004-1	
	7AM		22,000	545004-2	\$ 4.63
	7AC		22,000	545004-3	
2 x 1/4 x 1/4 Std. Pkg. 60	2AM	XL	18,000	<b>544906</b>	\$ 3.61
	2SF		18,000	<b>544907</b>	\$ 3.61
	8AC		22,000	<b>544908</b>	
	5AF	CP	22,000	545005	
	7AM		22,000	<b>545006</b>	\$ 5.44
	7AC		22,000	545007	
	7SM		22,000	545008	
3 x 1/8 x 1/4 Std. Pkg. 40	5AF	CP	18,000	545015	
	7AM		18,000	<b>545016</b>	\$ 8.43
	7AC		18,000	545017	
3 x 1/4 x 1/4 Std. Pkg. 20	2AM	XL	12,000	<b>544911</b>	\$ 6.62
	2SF		12,000	<b>544912</b>	\$ 6.62
	6AM		18,000	<b>544913</b>	\$ 7.79
	8AM		18,000	<b>544914</b>	\$ 8.61
	8AC		18,000	544915	\$ 8.61
	5AF	CP	18,000	545019	
	7AM		18,000	<b>545020</b>	\$ 9.92
	7AC		18,000	545021	
6 x 1/2 x 1 Std. Pkg. 4	2SF	XL	4,700	544936	\$ 32.29
	7AM	CP	6,000	<b>545051</b>	\$ 48.57
6 x 1 x 1 Std. Pkg. 2	2SF	XL	4,700	<b>544939</b>	\$ 57.39
	7AM	CP	6,000	<b>545056</b>	\$ 86.31




MANDREL 3/16 x 1/4" SHANK  
(for 1 x 1 x 3/16 wheels)

ITEM #	LIST EACH
<b>50801</b>	\$ 8.39



MANDREL 1/4" AH x 1/4" SHANK  
(for wheels up to 3/4" thick)

ITEM #	LIST EACH
<b>50802</b>	\$ 3.29



MANDREL 1/4" AH x 1/4" SHANK

ITEM #	WHL. THICK.	LIST EACH
<b>50690-1</b>	1/8 - 1/4"	\$ 5.93
<b>50690-3</b>	1/4 - 1/2"	\$ 7.40

Other sizes, grades and arbor holes available on request.



## Arbor Hole Reducer Bushings

Std. Pkg. 1 Pair

SIZE	ITEM NO.	LIST / PAIR	SIZE	ITEM NO.	LIST / PAIR
1" to 1/2"	<b>10502</b>	\$ 2.27	3" to 5/8"	<b>10511</b>	\$ 9.08
1" to 5/8"	<b>10503</b>	\$ 2.27	3" to 1"	<b>10512</b>	\$ 9.08
1" to 3/4"	<b>10504</b>	\$ 2.27			

# Cotton Fiber "MX" Wheels

**GFX:** (white) Flexible latex bond. Soft bond for light deburring, blending and finishing. Blend and finish in one operation. Long life vs. unitized wheels.

**\*Competes well against #8-9 hardness unitized wheels.**



**MTX:** (brown) Hard bond for light to medium stock removal.

Std. Pkg. 10

SIZE Dia. x Width x AH	GFX				MTX		LIST EACH
	A54	A80	A120	MAX RPM	A54	MAX RPM	
2 x 1/8 x 1/4	549861	549862	549863	18,145	549865	27,120	\$ 5.33
2 x 1/4 x 1/4	549871	549872	549873	18,145	549875	27,120	\$ 8.86
3 x 1/8 x 1/4	<b>549901</b>	<b>549902</b>	549903	12,095	549905	18,080	\$ 8.08
3 x 1/8 x 3/8	<b>549911</b>	<b>549912</b>	549913	12,095	549915	18,080	\$ 8.08
3 x 1/4 x 1/4	<b>549921</b>	549922	549923	12,095	549925	18,080	\$ 12.98
3 x 1/4 x 3/8	<b>549931</b>	549932	549933	12,095	549935	18,080	\$ 12.98
4 x 1/8 x 3/8	549951	549952	549953	9,075	549955	13,560	\$ 11.62
4 x 1/4 x 3/8	549971	549972	549973	9,075	549975	13,560	\$ 18.41

Other sizes, grades and arbor holes available.

# Cotton Fiber "MX" Quick-Lock Discs

**MX:** Works great on Stainless & Aluminum. Grind and finish in one step. Non loading! Long Life - outlast AO quick change discs 10:1. Wont smear on titanium or stainless.

- \* Order 1-2 grain sizes coarser than conventional grits
- \* For best results, use an undersized holder



Std. Pkg. 25

Dia.	Type	GRADE				MAX RPM	LIST EACH
		A24M	A36F	A54F	A80F		
2"	R	<b>550009</b>	<b>550010</b>	<b>550011</b>	<b>550012</b>	30,000	\$ 4.46
3"	R	<b>550019</b>	<b>550020</b>	<b>550021</b>	<b>550022</b>	20,000	\$ 5.25

Type "S" are also available. Other sizes and grits available.

Holders - page 19

# Cotton Smoothie Wheels

Softer and more flexible than "MX" wheels. Will work in many of the same applications as unitized wheels, but can LAST UP TO 5X LONGER!! Ideal for applications that require more operator control. Achieve best performance at the "Optimal" RPM.

**\* Competes well against #6-7 hardness unitized wheels.**



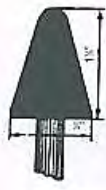
Std. Pkg. 10

SIZE Dia. x Width x AH	GRADE			RPM		LIST EACH
	CRS	MED	FINE	MAX	OPTIMAL	
2 x 1/8 x 1/4	550030	550031	550032	18,000	10,000	\$ 5.33
2 x 1/4 x 1/4	550035	550036	550037	18,000	10,000	\$ 8.86
3 x 1/8 x 3/8	<b>550040</b>	<b>550041</b>	550042	12,000	6,000	\$ 8.08
3 x 1/4 x 3/8	<b>550045</b>	550046	550047	12,000	6,000	\$ 12.98

# Unitized Mtd. Points



A1



A5



A21



A25



B42 B52 B90 B121



"W" SERIES

Unitized Mtd. Points will provide a consistent, uniform finish on all metals. They can also be used on titanium, nickel, cobalt/chrome and other highly alloyed materials without smearing. Wheels will not undercut the work piece.

Std. Pkg. 5

SHAPE	Dia. x Lgth. x Sh. MAX RPM	GRADE	ITEM NO.	LIST EACH
A-1	3/4 x 2-1/2 x 1/4 19,800	SF AM	54944 54945	\$ 17.78
A-5	3/4 x 1-1/8 x 1/4 38,550	SF AM	54950 54951	\$ 10.18
A-21	1 x 1 x 1/4 34,500	SF AM	54953 54954	\$ 10.63
A-25	1 x 1 x 1/4 35,600	SF AM	54956 54957	\$ 12.30
B-42	1/2 x 3/4 x 1/8 33,750	SF AM	54959 54960	\$ 6.10
B-52	3/8 x 3/4 x 1/8 45,300	SF AM	54962 54963	\$ 6.06

Other sizes are available on request.

SHAPE	Dia. x Lgth. x Sh. MAX RPM	GRADE	ITEM NO.	LIST EACH
B-90	1/2 x 1/2 x 1/8 34,500	SF AM	54965 54966	\$ 6.10
B-121	1/2 x 1/2 x 1/8 45,300	SF AM	54968 54969	\$ 5.11
W-163	1/4 x 1/2 x 1/8 60,000	SF AM	54971 54972	\$ 4.24
W-185	1/2 x 1/2 x 1/8 34,500	SF AM	54977 54978	\$ 4.24
W-205	3/4 x 1 x 1/4 32,950	SF AM	54980 54981	\$ 7.25
W-220	1 x 1 x 1/4 25,500	SF AM	54983 54984	\$ 9.05

# Cotton Fiber "MX" Mtd. Points

Cotton Fiber Mtd. Points can offer longer life than unitized mtd. points. They can also be used on aluminum without loading.

**GFX:** (white) Flexible latex bond. Soft bond for light deburring and finishing. Blend and finish in one operation.

**MTX:** (brown) Hard bond for light to medium stock removal.

Std. Pkg. 10

SHAPE	Dia. x Lgth. x Sh. MAX RPM	GRADE	ITEM NO.	LIST EACH
B-52	3/8 x 3/4 x 1/8 45,300	A80-GFX A80-MTX	80531 80532	\$ 9.06
B-121	1/2 x 1/2 x 1/8 45,300	A80-GFX A80-MTX	81101 81102	\$ 7.62
W-163	1/4 x 1/2 x 1/8 60,000	A80-GFX A80-MTX	81521 81522	\$ 6.38
W-176	3/8 x 1/2 x 1/8 45,300	A80-GFX A80-MTX	81716 81717	\$ 6.38

Other sizes & grades are available on request.



B52 B121 "W" SERIES

SHAPE	Dia. x Lgth. x Sh. MAX RPM	GRADE	ITEM NO.	LIST EACH
W-177	3/8 x 3/4 x 1/8 33,750	A80-GFX A80-MTX	81746 81747	\$ 7.72
W-185	1/2 x 1/2 x 1/8 34,500	A80-GFX A80-MTX	81901 81902	\$ 6.38
W-205	3/4 x 1 x 1/4 32,950	A80-GFX A80-MTX	82356 82357	\$ 10.85
W-220	1 x 1 x 1/4 25,500	A80-GFX A80-MTX	82646 82647	\$ 13.15

Vitrified Mounted Points are shown on page 40.

# Flex-N-Strip® Products

**BLACK:** General Purpose

Flex-N-Strip products are made from super strong nylon fibers and Coarse S/C grain. Excellent for cleaning welds, removing rust, paint and coatings. ***A safer alternative than wire brushes.***

**RED:** Extra Rigid & Faster Cutting

## Discs w/Arbor Holes

Std. Pkg. 10

SIZE DIA. x AH	MAX RPM	OPTIMUM RPM	BLACK		RED	
			ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
3 x 1/2"	10,000	6,000	57001	\$ 5.37	57001-R	\$ 7.52
4 x 1/2"	6,000	3,600	<b>57003</b>	\$ 5.70	<b>57003-R</b>	\$ 7.98
6 x 1/2"	4,000	2,400	<b>57005</b>	\$ 9.51	<b>57005-R</b>	\$ 13.37
8 x 1/2"	3,000	1,800	<b>57007</b>	\$ 16.26	<b>57007-R</b>	\$ 22.82



## Type 27 Wheels

Std. Pkg. 10

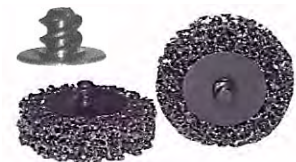
SIZE	MAX RPM	OPTIMUM RPM	BLACK		RED	
			ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
4-1/2 x 7/8"	11,500	3,000	<b>57041</b>	\$ 10.32	<b>57041-R</b>	\$ 11.48
4-1/2 x 5/8-11	11,500	3,000	57041-H	\$ 12.19	57041-R-H	\$ 13.36
7 x 7/8"	6,500	2,000	<b>57042</b>	\$ 19.85	<b>57042-R</b>	\$ 22.05
7 x 5/8-11	6,500	2,000	57042-H	\$ 22.80	57042-R-H	\$ 25.01



## Type "R" Quick-Lock Discs

Std. Pkg. 10

SIZE	MAX RPM	OPTIMUM RPM	BLACK		RED	
			ITEM NO.	LIST EACH	ITEM NO.	LIST EACH
2"	12,000	7,000	<b>57050</b>	\$ 3.26	<b>57050-R</b>	\$ 4.55
3"	8,500	5,000	<b>57051</b>	\$ 5.55	<b>57051-R</b>	\$ 8.01



Holders - page 19

## Flex-N-Strip® Disc Mandrels

Std. Pkg. 1

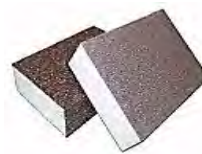
Mandrel Number	FITS HOLE	MAX WIDTH	SH. DIA.	ITEM NO.	LIST EACH
Mandrel #5050	1/2"	1/2" *	1/4"	<b>50693</b>	\$ 4.17
	* For use with a single disc (Approx. 1/2" thick)				
Mandrel #5100	1/2"	1" **	1/4"	<b>50694</b>	\$ 6.52
	** For use with 2 discs (Approx. 1" thick)				



# Sponges

Std. Pkg. 12

WIDTH	GRADE	ITEM NO.	LIST EACH
4 x 2-3/4 x 1"	COARSE / MEDIUM	<b>39150</b>	\$ 3.10
	MEDIUM / FINE	<b>39151</b>	\$ 3.10



Sponges are waterproof. Great for sanding drywall, wood and many other uses.















ITEM NO.	PG	ITEM NO.	PG	ITEM NO.	PG	ITEM NO.	PG	ITEM NO.	PG	ITEM NO.	PG	ITEM NO.	PG				
80040	40	80475	40	80880	40	81285	40	81690	40	82035	40	82440	40	82845	40	87743-C	39
80055	40	80490	40	80895	40	81300	40	81705	40	82050	40	82455	40	82860	40	87743-Z	39
80070	40	80505	40	80910	40	81315	40	81716	52	82065	40	82470	40	82875	40	87746	39
80085	40	80520	40	80925	40	81330	40	81717	52	82080	40	82485	40	82890	40	87770	39
80100	40	80531	52	80940	40	81345	40	81720	40	82095	40	82500	40	82905	40	87770-27	39
80115	40	80532	52	80955	40	81360	40	81735	40	82110	40	82515	40	82920	40	87781	39
80130	40	80535	40	80970	40	81375	40	81746	52	82125	40	82530	40	82935	40	87781-27	39
80145	40	80550	40	80985	40	81390	40	81747	52	82140	40	82545	40	87721	39	88103	38
80160	40	80565	40	81000	40	81405	40	81750	40	82155	40	82560	40	87721-Z	39	88103-5	38
80175	40	80580	40	81015	40	81420	40	81765	40	82170	40	82575	40	87722	39	88104	38
80190	40	80595	40	81030	40	81435	40	81780	40	82185	40	82590	40	87722-Z	39	88104-5	38
80205	40	80610	40	81045	40	81450	40	81795	40	82200	40	82605	40	87723	39	88105	38
80220	40	80625	40	81060	40	81465	40	81810	40	82215	40	82620	40	87724	39	88105-5	38
80235	40	80640	40	81075	40	81480	40	81825	40	82230	40	82635	40	87725	39	88106	38
80250	40	80655	40	81090	40	81495	40	81840	40	82245	40	82646	52	87725-C	39	88106-5	38
80265	40	80670	40	81101	52	81510	40	81855	40	82260	40	82647	52	87725-Z	39	88107	38
80280	40	80685	40	81102	52	81521	52	81870	40	82275	40	82650	40	87726	39	88107-5	38
80295	40	80700	40	81105	40	81522	52	81885	40	82290	40	82665	40	87726-C	39	88108	38
80310	40	80715	40	81120	40	81525	40	81900	40	82305	40	82680	40	87726-Z	39	88108-5	38
80325	40	80730	40	81135	40	81540	40	81901	52	82320	40	82695	40	87728	39	88109	38
80340	40	80745	40	81150	40	81555	40	81902	52	82335	40	82710	40	87729	39	88109-5	38
80355	40	80760	40	81165	40	81570	40	81915	40	82350	40	82725	40	87731	39	88112	38
80370	40	80775	40	81180	40	81585	40	81930	40	82356	52	82740	40	87738	39	88112-5	38
80385	40	80790	40	81195	40	81600	40	81945	40	82357	52	82755	40	87739	39	88115	38
80400	40	80805	40	81210	40	81615	40	81960	40	82365	40	82770	40	87741	39	88115-5	38
80415	40	80820	40	81225	40	81630	40	81975	40	82380	40	82785	40	87742	39	88118	38
80430	40	80835	40	81240	40	81645	40	81990	40	82395	40	82800	40	87742-C	39	88118-5	38
80445	40	80850	40	81255	40	81660	40	82005	40	82410	40	82815	40	87742-Z	39		
80460	40	80865	40	81270	40	81675	40	82020	40	82425	40	82830	40	87743	39		

Notes

# Terms / Conditions

**Minimum Order:** No minimum dollar amount, simply order in standard box quantities!

**Standard Packages:** Each product is sold in standard package quantities only.

**Freight:** Orders totaling \$500 or more net, will ship Freight Prepaid & Allowed via our choice of carrier. Orders less than \$500 net, will ship Freight Prepaid & Added. UPS Collect is also available. Blanket orders must meet \$500 net per release, to have Freight Prepaid & Allowed.

**Payment Terms:** 1% 10, Net 30. Any account exceeding 60 days, will be placed on credit hold.

**Returned Goods / Stock Rotation:** Please contact our customer service department to obtain an "RGA" number prior to returning any merchandise. Authorized returns are subject to a \$15 or 15% restock / repackaging fee (whichever is greater). Merchandise older than 6 months is not returnable.

**"Bold Italic"** part numbers: are considered "Popular Stock Items." Many other part numbers that are not bold, may also be in stock - but not in large quantities and may not be returnable if ordered in error.

**Electronic Files:** This Consumer Catalog is also available in Adobe PDF format. The Adobe version includes links which allow you to "click" on an item in the index to jump to that page. "Return to Index" buttons are also shown on each page to allow you to search for your next item. Searches can also be performed by part number or description. Our price list is available in Excel format.

**Shortages:** all shortages should be reported to Preferred's customer service department within 5 business days of receipt of shipment.

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