

# FastTrack Belt General Information

**Carborundum FastTrack Belt Service offers you all of the advantages of a major coated abrasives manufacturer combined with the benefits of a fast coated abrasive belt convertor.**

We hold jumbo inventories of our most popular products in our strategically located FastTrack Centers. 24-hour conversion service for narrow belts in 35 eastern U.S. states:

AL, AR, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, NE, NH, NJ, NY, OH, OK, PA, RI, SC, TN, TX, VA, VT, WI, WV

## Lead Times

All FastTrack belts are made-to-order

- 2 days for narrow belts (<= 12" widths)
- 24-hour conversion service for narrow belts in 35 eastern U.S. states
- 5 days for wide belts (>= 14" widths)

## Minimum Quantity

- 1 package

## Product Availability

### Paper Product:

- Aluminum Oxide

### Cloth Products:

- Ceramic Alumina
- Zirconia Alumina
- Aluminum Oxide
- Silicon Carbide

## Manufacturing Leeway

- +/-10%

## Size Availability

- Maximum width: 52"
- 1/2" and greater widths, for 25" and greater lengths
- Note: 8" x 107" and 9" x 107" belts are exempt from FastTrack Service.

## Ordering is Easy!

- Check the FastTrack product availability on the next page
- Include a full description of belt required, including:
  - size
  - specification
  - grit size
  - quantity
- Check splice and flex availability (see pages 4 and 5)
- Verify that the quantity is within FastTrack limits
- Standard flex and splice will be shipped unless you specify otherwise.

## FastTrack Packaging Standards

WIDTH	GRIT SIZE	BELTS/PKG.	BELTS/CASE	MAX. QTY.
1/2" – 1"	All	50	200	400
>1" – 4"	50 and coarser	25	50	100
109" – 168" long	60 and finer	50	50	100
All other >1" – 5"	All	10	50	100
>5" – 9"	All	10	20	40
>9" – 14"	All	10	10	20
>14" – 20"	50 and coarser	5	10	20
	60 and finer	10	10	20
>20" – 52"	36 and coarser	2	2	4
	40 – 80	3	3	6
	100 and finer	5	5	10



## Spec Check

### FASTTRACK BELT APPLICATIONS

F 0714 AO	NARROW AND WIDE BELT SANDING OF SOFTWOODS
F 0915	NARROW AND WIDE BELT SANDING OF HARDWOODS
JCF 0852	NARROW BELT FOR METAL WORKING WHERE FLEXIBLE FINISHING IS REQUIRED; ROLLS
KF376	NARROW BELT FOR METAL CONTOUR FINISHING
MX240	NARROW AND WIDE BELTS, SUITABLE FOR METAL AND WOODWORKING APPLICATIONS
XC 0476	NARROW AND WIDE BELTS FOR GLASS EDGING AND BLENDING, BRASS POLISHING
XC 0776 O	NARROW AND WIDE BELT WOODWORKING APPLICATIONS
XC 0877	NARROW AND WIDE BELT GENERAL PURPOSE SANDING OF METAL; ROLLS
XP 0476 W	NARROW BELTS FOR GLASS, RUBBER AND STEEL
XP 0966 W	INTERMEDIATE GRINDING AND BLENDING OFFHAND, GREAT STARTING SPECIFICATION
XP 1176 W	NARROW AND WIDE BELTS FOR OFFHAND GRINDING AND BLENDING, STAINLESS STEEL GRINDING
YC 0986 AO	NARROW AND WIDE BELT FINISHING OF WOOD
YC 1186 O	NARROW AND WIDE BELT SANDING OF WOOD
YP 0986 W	OFFHAND CONVEYOR, CENTERLESS AND PLATEN GRINDING
YP 1186 W	MOST NARROW AND WIDE BELT METAL AND FOUNDRY APPLICATIONS
YP 1288 R	NARROW AND WIDE BELTS FOR GRINDING STAINLESS STEEL AND TITANIUM
YP 2586 W	NARROW BELT OFFHAND GRINDING AND AUTOMATICS, WIDE BELT METAL APPLICATIONS
YP 2587 R	NARROW AND WIDE BELT HARD-TO-GRIND AND HEAT-SENSITIVE METAL APPLICATIONS



## FastTrack Metalworking Belts

### Medalist Ceramic Alumina Cloth

#### Y-Weight

**YP 2586 W** 36 – 120 Grit Range *Narrow and Wide Belts*

Ceramic alumina abrasive with heavy-duty Y-weight polyester backing for finishing exotic alloys. Maximum grain retention, reduced edge-fray, and better body retention for longer life and product consistency. Waterproof.

#### Y-Weight with Grinding Aid

**YP 2587 R** 36 – 80 Grit Range *Narrow and Wide Belts*

Ceramic alumina abrasive on heavy-duty, Y-weight polyester backing with a special grinding aid for hard-to-grind alloyed metal, and heat-sensitive applications. Maximum grain retention, reduced edge-fray, and better body retention for longer life and product consistency.

### Zirconia Alumina Cloth

#### X-Weight

**XP 1176 W** 60–220 Grit Range *Narrow and Wide Belts*

Zirconia alumina abrasive with X-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

#### Y-Weight

**YP 1186 W** 24–80 Grit Range *Narrow and Wide Belts*

Zirconia alumina abrasive with heavy-duty Y-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Maximum grain retention, reduced edge-fray, and better body retention for longer life and product consistency. Waterproof.

#### Y-Weight with Grinding Aid

**YP 1288 R** 24–120 Grit Range *Narrow and Wide Belts*

Zirconia alumina abrasive with heavy-duty Y-weight polyester backing with a grinding aid; best for heat-generating metals: Inconel, titanium, and stainless steel. Maximum grain retention, reduced edge-fray, and better body retention for longer life and product consistency. Green in color.

### Silicon Carbide Cloth

#### X-Weight

**XC 0476** 24, 36–120, 180, 220, 320 Grit Range *Narrow and Wide Belts*

Silicon carbide abrasive with X-weight cotton backing for general purpose sanding of non-ferrous materials.

#### Y-Weight

**XP 0476 W** 80–120 Grit Range *Narrow Belts*

Silicon carbide abrasive with heavy-duty, Y-weight polyester backing for finishing of non-ferrous materials. Maximum grain retention, reduced edge-fray, and better body retention for long life and product consistency. Waterproof.

### Aluminum Oxide Cloth

#### J-Weight

**JCF 0852** P80–P320, P400, P600 Grit Range *Narrow Belts, Rolls*

P-graded aluminum oxide abrasive with J-weight orange cotton backing for general purpose sanding of ferrous and non-ferrous materials where a more flexible backing is needed for superior conformability and finish.

#### KF376

P80–P320, P400, P600 *Narrow Belts*

P-graded, aluminum oxide abrasive with very flexible, J-weight cotton backing for contour finishing.

#### X-Weight

**XC 0877** 36–240, 320 Grit Range *Narrow and Wide Belts, Rolls*

Tough, durable, brown aluminum oxide abrasive with X-weight cotton backing for general purpose sanding of ferrous and non-ferrous materials.

#### MX240

P24, P36–P180 Grit Range *Narrow and Wide Belts*

P-graded, aluminum oxide abrasive with X-weight polyester/cotton backing suitable for metal and woodworking applications.

#### XP 0966 W

P60–P240, P320, P400 Grit Range *Narrow and Wide Belts*

P-graded, heat-treated aluminum oxide abrasive with X-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

#### Y-Weight

**YP 0986 W** 24, 36–120 Grit Range *Narrow and Wide Belts*

Heat-treated, aluminum oxide abrasive with a heavy-duty Y-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Maximum grain retention, reduced edge-fray, and better body retention for longer life and product consistency. Waterproof.

## FastTrack Woodworking Belts

### Premier Red Zirconia Alumina Cloth Open

#### Y-Weight

**YC 1186 O** 36, 50, 80, 100, 120 Grit Range *Narrow and Wide Belts*

Zirconia alumina abrasive with Y-weight cotton backing for finishing wood and non-metallic materials. Open coat.

### Aluminum Oxide Paper

#### F-Weight

**F 0915** P80 – P220 Grit Range *Narrow and Wide Belts*

Tough, P-graded, aluminum oxide abrasive with F-weight paper backing for metalworking and woodworking.

**F 0714 AO** P80 – P220 Grit Range *Narrow and Wide Belts*

P-graded, light-brown aluminum oxide abrasive and antistatic bond with F-weight paper backing for dust-free woodworking. Open coat.

### Aluminum Oxide Cloth Open

#### X-Weight

**XC 0776 O** 60 – 220 Grit Range *Narrow and Wide Belts*

Light-brown, aluminum oxide abrasive with X-weight, cotton backing for finishing of wood and non-metallic materials. Open coat.

#### Y-Weight

**YC 0986 AO** P60-P180 Grit Range *Narrow and Wide Belts*

P-graded, heat-treated, aluminum oxide abrasive with antistatic Y-weight cotton backing for dust-free finishing of wood and non-metallic materials. Open coat.

See page 44 for the Specification Terminology Key

# FastTrack Belt General Information

## Flexing

Flexing (controlled cracking or breaking down of the abrasive bond) is performed for:

- shape control of the product
- flexibility to conform to the workpiece contour
- control of grain breakdown and/or pullout to improve performance

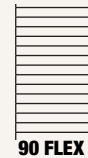
- material handling during the manufacturing operation

The best abrasive life on most products can be obtained by using the least amount of flex that will do the job satisfactorily. Generally, the least amount of flex will produce a more aggressive cut and longer abrasive life. There are three basic flexes:

**90 Flex:** Creates flex lines or cracks that are perpendicular to the edge of the belt or material. Provides flexibility only in the lengthwise direction.

**ST Flex:** Flex lines are at a 45° angle to the edge of the belt or material, in both directions, making a series of Xs. Provides moderate flexibility in all directions.

**TF Flex:** Three mechanical flexes are used to crack or break down the bond to provide flexibility in any direction as well as shape control.



## Belt Splices

There are two basic splice types:

### LAP SPLICES

A lap splice is simply overlapping one end of the belt over the other. There are two types of lap splices.

**Skived:** some or all of the abrasive is removed from the top of the splice, depending on grit size and application.

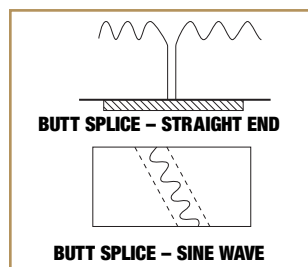
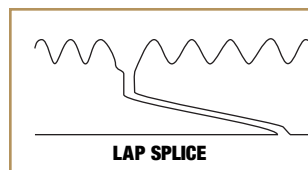
**Unskived:** no abrasive removed from the top of the splice.

### BUTT SPLICES

A butt splice, as the name implies, is created where both ends of an abrasive belt butt against each other and are then joined with a reinforced synthetic tape at the seam. There are two basic butt splices.

**Butt splice – straight end**

**Butt splice – sine:** sine wave ends



## Belt Splice Definitions

**CB / BT (Conventional Butt)** – a straight splice joined with an extra strong, thin patch to eliminate breakage and marks on the workpiece.

**CJ (Channel)** – the thinnest, smoothest-running butt splice – available on selected F-weight wide paper belts only. The patch material is inlaid into the paper backing... making the thinnest possible butt splice design.

**CN** – elongated sine wave butt splice with a clear patch – available on selected F-weight wide paper belts only.

**CP** – straight butt splice with a clear, thin patch – available on selected F-weight wide paper belts only.

**DS (Drawer Sanding)** – a butt splice with a 45° splice angle and a strong patch – used on wooden drawer front and rear dove tail and corner joint applications.

**EJ / FT (Edge Sanding)** – This is a bump free lap joint.

**NC (Channel sine wave)** – the thinnest, smoothest-running butt splice – available on selected F-weight wide paper belts only. The patch material is inlaid into the paper backing... making the thinnest possible butt splice design.

**NS / LP** – a lap splice that can only be run one direction.

**NY** – sine wave butt splice joined with a thin-style patch.

**PY** – straight butt splice with a thin-style patch.

**RG (Roll Grinding)** – special butt splice for platen and roll grinding.

**SW / WA (Sine Wave)** – the two ends of butted, abrasive material are cut in an interlocking configuration, joined with a thin patch material – offering resistance to hinging and splice fatigue. The splice closely conforms to contact wheel, workpiece shape and other difficult applications.

## FastTrack Wide Belt Splice Availability

CAP CODE	40 & C STANDARD	50 – 100 STANDARD	50 – 100 AVAILABLE	120 & F STANDARD	120 & F AVAILABLE
<b>Metal</b>					
YP 2586 W	CB	CB	SW	CB	–
YP 2587 R	CB	CB	SW	–	–
XP 1176 W	–	CB	SW	CB	–
YP 1186 W	CB	CB	SW	–	–
YP 1288 R	CB	CB	SW	CB	–
XC 0877	CB	CB	SW	CB	–
MX240	BT	BT	–	BT	–
XP 0966 W	CB	CB	SW	CB	–
YP 0986 W	CB	CB	SW	CB	–
<b>Non-ferrous</b>					
XC 0476	CB(P)	CB	SW	CB	–
<b>Wood</b>					
YC 1186 O	CB	CB	SW	CB	–
XC 0776 O	CB	CB	SW	CB	–
YC 0986 AO	CB	CB	SW	CB	–
F 0915	–	CJ	CP	CJ	CP
F 0714 AO	–	CJ	CP	CJ	CP

## FastTrack Narrow Belt Splice Availability

CAP CODE	40 & C STANDARD	50 - 100 STANDARD	50 - 100 AVAILABLE	120 & F STANDARD	120 & F AVAILABLE
<b>Metal</b>					
YP 2586 W	CB	CB	SW	CB	-
YP 2587 R	CB	CB	SW	-	-
XP 1176 W	-	CB	RG, SW	CB	-
YP 1186 W	CB	CB	SW	-	-
YP 1288 R	CB	CB	SW	CB	-
JCF 0852	-	CB(S)	SW	CB(S)	-
KF376	-	BT	LP, FT	BT	-
XC 0877	CB	CB	SW	CB	-
MX240	BT	BT	WA, DS, FT	BT	-
XP 0966 W	-	CB	RG, SW	CB	-
YP 0986 W	CB	CB	SW	CB	-
<b>Non-ferrous</b>					
XC 0476	CB(P)	CB	SW	CB	-
XP 0476 W	-	CB	RG, SW	CB	-
<b>Wood</b>					
YC 1186 O	CB	CB	-	CB	-
XC 0776 O	-	CB	SW	CB	-
YC 0986 AO	CB	CB	SW	CB	-
F 0915	-	CJ	-	CJ	CP
F 0714 AO	-	CJ	-	CJ	CP

## Stock and FastTrack Belt Competitive Cross Reference

CARBORUNDUM		3M	HERMES	KLINGSPOR	SIA	VSM
<b>METAL</b>						
YP 2586 W	CERAMIC Y WT POLYESTER; WATERPROOF	761D, 761F, 951E, 951F, 963G	CB440Y	CS612	-	SK750Y
YP 2587 R	CERAMIC Y WT POLYESTER WITH GRINDING AID; WATERPROOF	977F, 777F	-	CS6110	-	SK840X
XP 1176 W	ZIRCONIA X WT POLYESTER; WATERPROOF	561F, 551E, 741A, 741E, 761D	RB480	CS411X	-	KK715X
YP 1186 W	ZIRCONIA Y WT POLYESTER; WATERPROOF	561D, 561F, 563F, 741A, 741E, 761D, 761F	RB484TY	CS411Y	2803	KK716Y
YP 1288 R	ZIRCONIA Y WT POLYESTER WITH GRINDING AID	577F	RB486X	CS409Y	-	KK815Y
JCF 0852	A/O J WT FLEXIBLE COTTON	211K, 211T, 218K, 311T	RB232 J-FLEX	KL361, KL381	2947	KK505J
KF376	A/O J WT FLEXIBLE COTTON		RB406J	LS312J		KK532J
XC 0877	A/O X WT COTTON	241D, 251D, 261D, 248D	RB346MX	CS310X	2920, C905X, 2912	KK511X
MX240	A/O X WT POLY/COTTON, SEMI-OPEN		RB376TX	CS412X		KK711X
XP 0966 W	A/O X WT POLYESTER; WATERPROOF	353F	RB376TX	CS412X	C984 XP	KK711X
YP 0986 W	A/O Y WT POLYESTER; WATERPROOF	363F, 261F, 361F	RB376TY	CS412Y	2803	KK711Y
<b>NON-FERROUS</b>						
XC 0476	S/C X WT COTTON	441D, 451D, 451E, 464D	RB318X	CS333X	2780, C780X	CK721X
XP 0476 W	S/C Y WT POLYESTER; WATERPROOF	453 W, 451F, 461F, 451E, 460D, 463D	RB375Y	CS320	2786, C786, RB YP, C784WPX, C770XP	CK721X
<b>WOOD</b>						
YC 1186 O	ZIRCONIA Y WT COTTON, OPEN				2883	
XC 0776 O	A/O X WT COTTON, OPEN	270D, 270DZ, 272DZ 260D, 362RZ	RB316 XOP RB316-34XOP	CS311X	2928, 2920 C903D	KK504X KK524X
YC 0986 AO	A/O Y WT COTTON, OPEN, ANTISTAT	270D, 270DZ, 272DZ, 240A, 240D, 240DZ, 260D, 340I, 362RZ	RB316 XOP, RB316-34XOP, RB317LX	CS311X, CS413	2820	KK524X & Y
F 0915	A/O F WT PAPER CLOSE	241, 242, 263U, 360I, 361I, 362I, 363I	BW115	PS20	1920F, 1919FO, 1904E	KP709, KP508E
F 0714 AO	A/O F WT PAPER, OPEN, ANTISTAT	260UZ, 261UZ, 255UZ, 265UZ, 360I, 461UZ	BW112, BW114	PS26	1919FO, P990, 1939	KP520F

COATED

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# Portable File Belts

## Medalist Ceramic Alumina Resin Cloth with Grinding Aid

### Features

- Patented ceramic alumina abrasive
- Durable Y-weight polyester waterproof cloth backing
- Grinding aid coating

### Benefits

- Exceptional life and value
- Aggressive cut rate
- Sharpness maintained throughout life of the belt
- Maximum grain adhesion, reduced edge-fray and strong body retention result in longer life and product consistency
- Cooler cut, burn-free grinding of heat-sensitive materials
- Minimizes loading

The choice for hard-to-grind alloys and heat-sensitive applications.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>1/2" x 12"</b>				
66261184259	40	YP 2587 R	50	50
66261184260	60	YP 2587 R	50	50
66261184261	80	YP 2587 R	50	50
<b>1/2" x 18"</b>				
66261184262	40	YP 2587 R	50	50
66261184263	60	YP 2587 R	50	50
66261184264	80	YP 2587 R	50	50
<b>1/2" x 24"</b>				
66261184265	40	YP 2587 R	50	50
66261184266	60	YP 2587 R	50	50
66261184267	80	YP 2587 R	50	50



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3/4" x 18"</b>				
66261184268	40	YP 2587 R	50	50
66261184269	60	YP 2587 R	50	50
66261184270	80	YP 2587 R	50	50
<b>3/4" x 20-1/2"</b>				
66261184271	40	YP 2587 R	50	50
66261184272	60	YP 2587 R	50	50
66261184273	80	YP 2587 R	50	50

## Aluminum Oxide Resin Cloth

### Features

- Tough, P-graded, heat-treated aluminum oxide abrasive
- Full resin bond system
- Flexible, X-weight polyester/cotton backing
- Butt tape joint

### Benefits

- Aggressive yet cool cutting
- Excellent edge adhesion
- Tear and fray resistance
- Reversible, durable

Designed for all metalworking, finishing and contour and shape sanding applications requiring flexibility and fray resistance.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>1/4" x 24"</b>				
05539562863	P60	XB 0967	50	50
<b>3/8" x 13"</b>				
05539562866	P60	XB 0967	50	50
05539562867	P80	XB 0967	50	50
<b>1/2" x 12"</b>				
05539562869	P60	XB 0967	50	50
05539562870	P80	XB 0967	50	50
05539562872	P120	XB 0967	50	50
<b>1/2" x 18"</b>				
05539562873	P60	XB 0967	50	50
05539562874	P80	XB 0967	50	50
<b>1/2" x 24"</b>				
05539562877	P40	XB 0967	50	50
05539562879	P60	XB 0967	50	50
05539562880	P80	XB 0967	50	50
05539562881	P100	XB 0967	50	50
05539562882	P120	XB 0967	50	50

PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3/4" x 18"</b>				
05539562883	P40	XB 0967	50	50
05539562885	P60	XB 0967	50	50
05539562886	P80	XB 0967	50	50
05539562887	P120	XB 0967	50	50
<b>3/4" x 20-1/2"</b>				
05539562888	P40	XB 0967	50	50
05539562890	P60	XB 0967	50	50
05539562891	P80	XB 0967	50	50
05539562893	P120	XB 0967	50	50
<b>1" x 30"</b>				
05539562894	P60	XB 0967	50	50
05539562895	P80	XB 0967	50	50
05539562896	P120	XB 0967	50	50

COATED

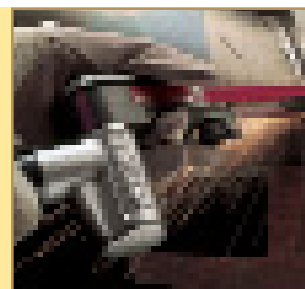
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### TechTip

A light-bodied grease applied to the belt surface will greatly enhance the belt life when grinding non-ferrous materials such as aluminum, brass, bronze and copper.



It is the user's responsibility to refer to and comply with ANSI B7.7



## Premier Red Zirconia Alumina Resin Cloth Open

### Features

- Zirconia alumina abrasive
- Y-weight cotton backing
- Open coat
- Butt tape joint
- Packaged in convenient, durable contractor packs

### Benefits

- Aggressive, rapid cut rate
- Extended life
- Reduced loading
- Reversible, excellent durability
- Job specific labeling; easy product identification
- Ideal for walk-in trade, showroom displays

Excellent for finishing wood and non-metallic materials.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3" x 21"</b>				
05539563668	36	YC 1186 O	5	25
05539563667	50	YC 1186 O	5	25
05539563666	80	YC 1186 O	5	25
05539563665	120	YC 1186 O	5	25
<b>3" x 24"</b>				
05539563672	36	YC 1186 O	5	25
05539563671	50	YC 1186 O	5	25
05539563670	80	YC 1186 O	5	25
05539563669	120	YC 1186 O	5	25



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>4" x 24"</b>				
05539563676	36	YC 1186 O	5	25
05539563675	50	YC 1186 O	5	25
05539563674	80	YC 1186 O	5	25
05539563673	120	YC 1186 O	5	25

## Aluminum Oxide Resin Cloth

### Features

- Aluminum oxide abrasive
- Full resin bond system
- X-weight cotton backing
- Butt tape joint

### Benefits

- Tough and durable with aggressive cutting action
- Increased strength
- Cool operating on platen sanders
- Reversible, excellent durability

Ideal for sanding metal and all species of wood.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3" x 21"</b>				
05539510759	40	XC 0877	10	50
05539510758	50	XC 0877	10	50
05539510757	60	XC 0877	10	50
05539510754	80	XC 0877	10	50
05539510753	100	XC 0877	10	50
05539510752	120	XC 0877	10	50
05539510751	150	XC 0877	10	50

PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3" x 24"</b>				
05539510772	40	XC 0877	10	50
05539510769	50	XC 0877	10	50
05539510771	60	XC 0877	10	50
05539510764	80	XC 0877	10	50
05539510767	100	XC 0877	10	50
05539510766	120	XC 0877	10	50
05539510763	150	XC 0877	10	50
<b>4" x 24"</b>				
05539510781	40	XC 0877	10	50
05539510779	50	XC 0877	10	50
05539510778	60	XC 0877	10	50
05539510775	80	XC 0877	10	50
05539510777	100	XC 0877	10	50
05539510774	120	XC 0877	10	50
05539510773	150	XC 0877	10	50

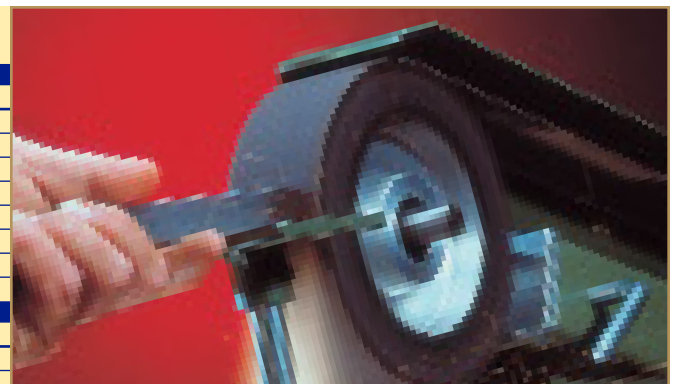
## Spec Check

### STARTING RECOMMENDATIONS BY MATERIAL

MATERIAL	HEAVY-DUTY	GENERAL-DUTY
ALUMINUM	YP 1186 W	XC 0877
CAST IRON	YP 1186 W	
BRASS/BRONZE	YP 1186 W	
DIE CASTINGS	XC 0877	
CARBON STEEL	YP 1186 W	XC 0877
GLASS, CERAMIC	YC 1186 O	
STAINLESS STEEL & ALLOYS	YP 2587 R, YP 1186 W	XC 0877
WOOD	YC 1186 O	XC 0776 O, XC 0877

### RECOMMENDED GRIT SELECTION

ROUGH/HEAVY-DUTY	INTERMEDIATE	FINISHING/POLISHING
36-50	60-100	120-180



# Narrow Belts

## Premier Red Zirconia Alumina Resin Cloth Open

### Features

- Zirconia alumina abrasive
- Y-weight cotton backing
- Open coat
- Butt tape joint

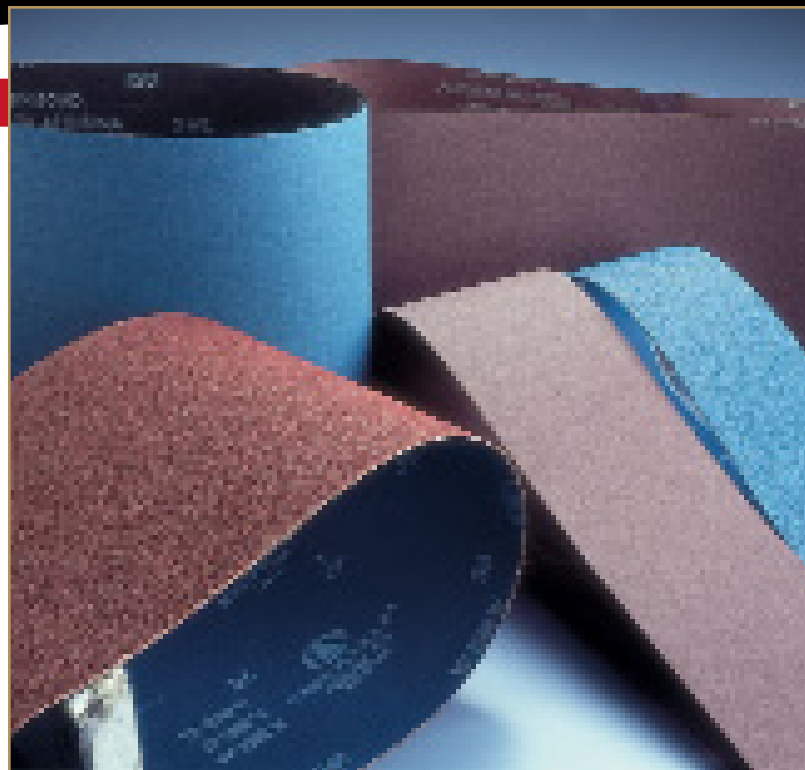
### Benefits

- Aggressive, rapid cut rate
- Extended life
- Reduced loading
- Ideal for dry grinding applications
- Reversible, excellent durability

Excellent for finishing wood and non-metallic materials.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>2" x 48"</b>				
05539563660	36	YC 1186 O	10	10
05539563659	50	YC 1186 O	10	10
05539563658	80	YC 1186 O	10	10
<b>6" x 48"</b>				
05539563664	36	YC 1186 O	10	10
05539563663	50	YC 1186 O	10	10
05539563662	80	YC 1186 O	10	10



## Aluminum Oxide Resin Cloth

### Features

- Aluminum oxide abrasive
- Full resin bond system
- X-weight cotton backing
- Butt tape joint

### Benefits

- Versatile
- Tough and durable with aggressive cutting action
- Increased strength
- Cool operating on platen sanders
- Reversible, durable

Ideal for operations requiring a belt specification that does not generate heat, but is capable of sanding a variety of materials. Closed coat for fast metal removal.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>1" x 42"</b>				
05539510109	40	XC 0877	10	10
05539510112	60	XC 0877	10	10
05539510113	80	XC 0877	10	10
05539510114	100	XC 0877	10	10
05539510118	120	XC 0877	10	10
<b>2" x 48"</b>				
05539510124	50	XC 0877	10	10
05539510127	60	XC 0877	10	10
05539510128	80	XC 0877	10	10
05539510132	100	XC 0877	10	10
05539510133	120	XC 0877	10	10
<b>6" x 48"</b>				
05539510153	36	XC 0877	10	10
05539510154	50	XC 0877	10	10
05539510158	60	XC 0877	10	10
05539510159	80	XC 0877	10	10
05539510160	100	XC 0877	10	10
05539510161	120	XC 0877	10	10

See FastTrack Belt Program on pages 2 - 5 for additional specifications and sizes.

## Zirconia Alumina Resin Waterproof Cloth

### Features

- Zirconia alumina abrasive
- Full resin bond system
- Durable Y-weight polyester, waterproof cloth backing
- Waterproof

### Benefits

- Ultra tough, aggressive self-sharpening, cool cutting
- Increased strength
- Maximum grain adhesion, reduced edge-fray and strong body retention result in longer life and product consistency
- Use wet or dry

Applications include weld removal and the finishing of ferrous and non-ferrous materials. The choice for heaviest pressure applications.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>3" x 132"</b>				
05539599679	36	YP 1186 W	10	10
<b>4" x 132"</b>				
05539599664	36	YP 1186 W	10	10



## Aluminum Oxide Resin Cloth

### Features

- Aluminum oxide abrasive
- Full resin bond system
- X-weight cotton backing

### Benefits

- Durable, with aggressive cutting action
- The economical choice for a wide range of applications
- Increased strength
- Durable
- Resistant to heat

General purpose belt for sanding ferrous and non-ferrous materials.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>2" x 72"</b>				
05539599956	36	XC 0877	10	10
05539599954	50	XC 0877	10	10
05539599953	60	XC 0877	10	10
05539599952	80	XC 0877	10	10
<b>3" x 132"</b>				
05539599864	36	XC 0877	10	10
05539599866	50	XC 0877	10	10
<b>4" x 132"</b>				
05539599851	36	XC 0877	10	10
05539599855	80	XC 0877	10	10

## Belt Cleaning Stick

This solid rubber cleaning stick is designed to remove wood and other non-metallic materials that build up on narrow belts during use. Apply it to the face of the belt while running to remove unwanted materials and increase cut rate and overall life of the belt.

PART NO.	SIZE	STD. PKG.
05539514745	8 x 1-3/4 x 1-3/4	1



24-hour conversion service for FastTrack narrow belts available in 35 eastern U.S. states.

For additional sizes and specifications of belts, refer to FastTrack Belt Service on pages 2 - 5.

# Wide Belts

## Aluminum Oxide Resin Cloth Open

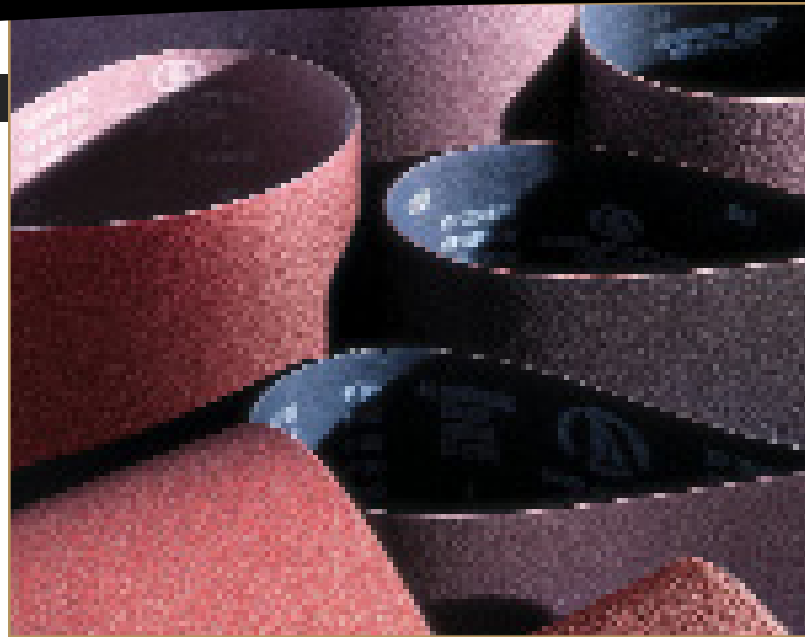
### Features

- Light brown aluminum oxide abrasive
- Full resin bond system
- X-weight cotton backing
- Open coat

### Benefits

- Uniform scratch pattern
- Increased strength
- Resists loading

Applications include finishing of wood and non-ferrous metals.



PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>25" x 75"</b>				
05539599963	80	XC 0776 O	3	3
05539599962	100	XC 0776 O	5	5
05539599961	120	XC 0776 O	5	5
<b>37" x 60"</b>				
05539599978	60	XC 0776 O	3	3
05539599977	80	XC 0776 O	3	3
05539599976	100	XC 0776 O	5	5
05539599975	120	XC 0776 O	5	5
05539599974	150	XC 0776 O	5	5
05539599973	180	XC 0776 O	5	5

PART NO.	GRADING		BELTS/PKG.	BELTS/CASE
<b>37" x 75"</b>				
05539599992	60	XC 0776 O	3	3
05539599991	80	XC 0776 O	3	3
05539599990	100	XC 0776 O	5	5
05539599989	120	XC 0776 O	5	5
05539599988	150	XC 0776 O	5	5
05539599987	180	XC 0776 O	5	5



## Troubleshooting Guide

PROBLEM	SUGGESTED CORRECTION – CONTACT WHEELS										
	HARDER WHEEL	SOFTER WHEEL	LARGER GROOVE/LAND	SMALLER GROOVE/LAND	DRESS WHEEL	HIGHER SPEED	LOWER SPEED	STANDARD SERRATION	LARGER WHEEL	SMALLER WHEEL	
DULLING	•		•				•				
LOADING			•							•	
OVER-AGGRESSIVENESS		•		•				•	•		
SLOW CUTTING	•		•			•				•	
SCRATCHES TOO DEEP		•		•				•	•		
BURNING	•						•				
NON-CONFORMITY		•	•				•		•		
DUBBING EDGES	•										
SHEDDING (ABRASIVES)		•		•	•	•		•	•		
CHATTER		•			•			•	•		
SUGGESTED CORRECTION – GENERAL											
PROBLEM	CORRECTION										
LOADING	DECREASE INFEEED PRESSURE OR BELT SPEED										
SHEDDING	REDUCE APPLIED PRESSURE USE A LESS AGGRESSIVE CONTACT WHEEL DRESS CONTACT WHEEL IF WORN OR DAMAGED USE ENTIRE SURFACE OF BELT										
BELT BREAKAGE	REDUCE BELT TENSION USE LESS AGGRESSIVE CONTACT WHEEL CHECK TRACKING MECHANISM FOR BELTS TRACKING ERRATICALLY										
REDUCED BELT LIFE	USE COARSER GRIT REDUCE PRESSURE										

COATED

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For additional sizes and specifications of belts, refer to FastTrack Belt Service on pages 2 - 5.

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Stick-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Ultra fine grits P1000, P1200, P1500
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize and an open coat
- Link disc roll, 4-pack with polybags
- 5" and 6" individual PSA discs have a tabbed, white, translucent liner

### Benefits

- 30% to 50% faster cut rate than other discs
- Consistent scratch pattern and finish
- Excellent cut rate and total cut, while minimizing loading = maximum life
- Create fine finishes
- Improved grain adhesion and longest disc life
- 50% - 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Easy application and removal
- Superior load resistance and extended life
- No color transfer to work
- Easy dispensing
- Minimizes storage space
- The PSA adhesive is protected from air-borne contaminants
- The tab allows easier removal of the paper liner

Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.



PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>3-1/2" x 0" Link Disc Rolls</b>			
05539520624	P80 B 0912 DO	4	4
05539520623	P100 B 0912 DO	4	4
05539520622*	P120 B 0912 DO	4	60
05539520621*	P150 B 0912 DO	4	60
05539520620	P180 B 0912 DO	4	4
05539520619	P220 B 0912 DO	4	4
05539520618*	P240 B 0912 DO	4	60
05539520617*	P280 B 0912 DO	4	60
05539520616*	P320 B 0912 DO	4	60
05539520615	P400 B 0912 DO	4	4

100 discs per roll. Order in multiples of 4 rolls.

PART NO.	GRADING	ROLLS/CASE
<b>5" x 0" Link Disc Rolls</b>		
05539518114	P80 B 0912 DO	4
05539518113	P100 B 0912 DO	4
05539518112	P120 B 0912 DO	4
05539518111	P150 B 0912 DO	4
05539518110	P180 B 0912 DO	4
05539518109	P220 B 0912 DO	4
05539518108	P240 B 0912 DO	4
05539518107	P280 B 0912 DO	4
05539518106	P320 B 0912 DO	4
05539518105	P400 B 0912 DO	4
05539563779	P500 B 0912 DO	4
05539518104	P600 B 0912 DO	4
05539518101	P800 B 0712 DO	4

100 discs per roll. Order in multiples of 4 rolls.

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Tabbed Discs</b>			
05539520293	P1000 B 0712 DO	100	400
05539520292	P1200 B 0712 DO	100	400
05539520291	P1500 B 0712 DO	100	400

\* Non-stock. Ask your Carborundum representative for current lead times.

PART NO.	GRADING	ROLLS/CASE
<b>6" x 0" Link Disc Rolls</b>		
05539518173	P80 B 0912 DO	4
05539518172	P100 B 0912 DO	4
05539518171	P120 B 0912 DO	4
05539518170	P150 B 0912 DO	4
05539518169	P180 B 0912 DO	4
05539518168	P220 B 0912 DO	4
05539518167	P240 B 0912 DO	4
05539518166	P280 B 0912 DO	4
05539518165	P320 B 0912 DO	4
05539518164	P400 B 0912 DO	4
05539563780	P500 B 0912 DO	4
05539518163	P600 B 0912 DO	4
05539518162	P800 B 0712 DO	4

100 discs per roll. Order in multiples of 4 rolls.

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Tabbed Discs</b>			
05539520296	P1000 B 0712 DO	100	400
05539520295	P1200 B 0712 DO	100	400
05539520294	P1500 B 0712 DO	100	400

PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>8" x 0" Link Disc Rolls</b>			
05539561110	P80 B 0912 DO	4	4
05539561109	P100 B 0912 DO	4	4
05539561108	P120 B 0912 DO	4	4
05539561107*	P150 B 0912 DO	4	60
05539561106	P180 B 0912 DO	4	4
05539561105	P220 B 0912 DO	4	4
05539561104*	P240 B 0912 DO	4	60
05539561103*	P280 B 0912 DO	4	60
05539561102	P320 B 0912 DO	4	4

100 discs per roll. Order in multiples of 4 rolls.

See back-up pads for these discs on page 14.  
Disc roll dispenser available on page 16.

# Stick-On Paper Discs

## Aluminum Oxide Dri-Lube Resin Paper Open Stick-On

### Features

- P-graded, sharp light-brown, aluminum oxide abrasive
- Premium B-weight latex-saturated, high-internal-bond paper backing
- PSA (pressure sensitive adhesive) backing and tabbed discs
- Water-based stearate oversize and an open coat
- No pigment in anti-load oversize or bond
- Link disc roll, 4-pack with polybags
- 5" individual PSA discs have a tabbed, white, translucent liner

### Benefits

- Fast cut rate, extended life and consistent finish
- Improved resistance to delamination, can be used moist or wet
- Easy application and removal
- Improved load resistance on a broad range of substrates
- No risk of color transfer, stronger bond
- Easy dispensing
- Minimizes storage space
- The PSA adhesive is protected from air-borne contaminants
- The tab allows easier removal of the paper liner

Excellent for sanding paints, primers, plastics and fiberglass as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>5" x 0" Link Disc Rolls</b>			
66623362930	P80 PB273	4	
66623371920*	P100 PB273	4	60
66623362929	P120 PB273	4	
66623362928	P150 PB273	4	
66623362927	P180 PB273	4	
66623362926	P220 PB273	4	
66623362925	P240 PB273	4	
66623362924	P320 PB273	4	
66623362923	P400 PB273	4	
66623362922	P600 PB273	4	
66623362921	P800 PB273	4	

100 discs per roll. Order in multiples of 4 rolls.

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Tabbed Discs</b>			
69957348198	P80 PB273	100	400
69957348200	P100 PB273	100	400
69957348201	P120 PB273	100	400
69957348202	P150 PB273	100	400
69957348203	P180 PB273	100	400
69957348204	P220 PB273	100	400
69957348205	P240 PB273	100	400
69957348206	P320 PB273	100	400
69957348207	P400 PB273	100	400
69957348223	P600 PB273	100	400
69957348224	P800 PB273	100	400

PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>6" x 0" Link Disc Roll</b>			
66623362940	P80 PB273	4	
69957352447*	P100 PB273	4	60
66623362939	P120 PB273	4	
66623362938	P150 PB273	4	
66623362937	P180 PB273	4	
66623362936	P220 PB273	4	
66623362935	P240 PB273	4	
66623362934	P320 PB273	4	
66623362933	P400 PB273	4	
66623362932	P600 PB273	4	
66623362931	P800 PB273	4	

100 discs per roll. Order in multiples of 4 rolls.

\* Non-stock. Ask your Carborundum representative for current lead times.

See back-up pads for these discs on page 14.

Disc roll dispenser available on page 16.

## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Stick-On

### Features

- Premium, P-graded, light brown aluminum oxide abrasive
- Durable, C-weight backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize and open coat
- Link disc roll, 4-pack with polybags

### Benefits

- Fast cut, long life
- High tear resistance
- Easy application and removal
- Excellent load resistance
- No pigment transfer
- Easy dispensing
- Minimizes storage space
- Protects individual rolls

12 Ideal for sanding paints, primers, plastics and fiberglass as well as whitewood sanding, clean-up and repair.



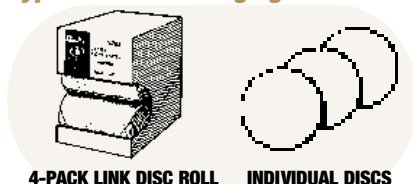
PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>5" x 0" Link Disc Rolls</b>			
77696060029*	P60 C 0712 DO	4	60
05539510555	P80 C 0712 DO	4	4
05539510554	P100 C 0712 DO	4	4
05539510553	P120 C 0712 DO	4	4
05539510552	P150 C 0712 DO	4	4
05539510550	P180 C 0712 DO	4	4
05539510549	P220 C 0712 DO	4	4
05539510548	P240 C 0712 DO	4	4
05539510546	P320 C 0712 DO	4	4
05539510545	P400 C 0712 DO	4	4

PART NO.	GRADING	ROLLS/CASE	MIN. QTY.
<b>6" x 0" Link Disc Rolls</b>			
05539510567	P80 C 0712 DO	4	4
05539510566	P100 C 0712 DO	4	4
05539510565	P120 C 0712 DO	4	4
05539510563	P150 C 0712 DO	4	4
05539510562	P180 C 0712 DO	4	4
05539510561	P220 C 0712 DO	4	4
05539510560	P240 C 0712 DO	4	4
05539510558	P320 C 0712 DO	4	4
05539510557	P400 C 0712 DO	4	4

100 discs per roll. Order in multiples of 4 rolls.

\* Non-stock. Ask your Carborundum representative for current lead times.

### Types of Disc Packaging



4-PACK LINK DISC ROLL INDIVIDUAL DISCS

## Silicon Carbide Dri-Lube Paper Open Stick-On

### Features

- Silicon carbide abrasive
- Heavy, B-weight paper
- PSA backing
- Stearate oversize and an open coat
- Link disc roll

### Benefits

- Sharp cut, excellent for finishing
- Tear resistance
- Easy application and removal
- Improved load resistance
- Easy dispensing

Machine sanding metal primer coats and between finish coats. Also for whitewood between wash, sealer, and lacquer coats.



PART NO.	GRADING		ROLLS/CASE
<b>5" x 0" Link Disc Rolls</b>			
05539510526	80	B 0411 DO	4
05539510525	100	B 0411 DO	4
05539510523	120	B 0411 DO	4

continued

PART NO.	GRADING		ROLLS/CASE	MIN. QTY.
<b>5" x 0" Link Disc Rolls (continued)</b>				
05539510522	150	B 0411 DO	4	4
05539510521	180	B 0411 DO	4	4
05539510520*	220	B 0411 DO	4	60
05539510519	240	B 0411 DO	4	4
05539510517	320	B 0411 DO	4	4
05539510516	400	B 0411 DO	4	4

### 6" x 0" Link Disc Rolls

05539510544*	80	B 0411 DO	4	60
05539510543*	100	B 0411 DO	4	60
05539510542*	120	B 0411 DO	4	60
05539510540	180	B 0411 DO	4	4
05539510539	220	B 0411 DO	4	4
05539510535*	320	B 0411 DO	4	24

150 grit and coarser: 125 discs per roll; 180 grit and finer: 250 discs per roll.

\* Non-stock. Ask your Carborundum representative for current lead times.

## Premier Red Zirconia Alumina Resin Paper Open Stick-On

### Features

- Premium zirconia alumina abrasive and an open coat
- Full, phenolic resin bond system plus latex
- E-weight, latex paper backing
- PSA backing

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Greater flexibility
- Easy application and removal

Best choice for stripping paint and rust, as well as blending welds.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Discs</b>				
05539521302	36	E 1214 O	50	200
05539521301	40	E 1214 O	50	200
05539521300	80	E 1214 O	50	200

### 8" x 0" Individual Discs

05539521305	36	E 1214 O	25	100
05539521304	40	E 1214 O	25	100
05539521303	80	E 1214 O	25	100

## Carbo Gold Aluminum Oxide Resin Paper Open Stick-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive and an open coat
- Resin bond
- E-weight paper backing
- PSA backing

### Benefits

- Fast, aggressive cut and long life
- Increased life, reduced loading and reduced edge wear
- Increased strength and durability
- Easy application and removal

Ideal for stripping all paints and rust, as well as blending welds.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Discs</b>				
05539512376	P36	E 0912 O	50	200
05539512375	P40	E 0912 O	50	200
05539512374	P80	E 0912 O	50	200

### 8" x 0" Individual Discs

05539512379	P36	E 0912 O	50	200
05539512378	P40	E 0912 O	50	200
05539512377	P80	E 0912 O	50	200

## Premier Red Aluminum Oxide Resin Paper Stick-On

### Features

- Tough, P-graded, heat-treated, aluminum oxide abrasive
- Full resin bond system
- High strength, F-weight paper backing
- PSA backing
- Link disc roll

### Benefits

- Aggressive yet cool cut
- Increased strength and durability
- Increased durability and reduced edge wear
- Easy application and removal
- Easy dispensing

Ideally suited for weld blending, metal polishing and whitewood sanding, clean-up and repair.



PART NO.	GRADING		ROLLS/CASE
<b>5" x 0" Link Disc Rolls</b>			
05539512549	P60	F 0915	4
05539512550	P80	F 0915	4
05539512551	P100	F 0915	4
05539512552	P120	F 0915	4

### 6" x 0" Link Disc Rolls

05539512556	P60	F 0915	4
05539512557	P80	F 0915	4

100 discs per roll. Order in multiples of 4 rolls.

## Aluminum Oxide Resin Cloth Stick-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive

- Resin bond system

- Flexible J-weight backing

- PSA (pressure sensitive adhesive) backing

- 5" individual PSA discs have a tabbed, white, translucent liner

### Benefits

- Excellent cut rate, long life

- Increased strength and durability
- Produces fine finishes on soft metals and wood

- Provides flexibility needed for contouring while maintaining grain adhesion

- Easy application and removal

- The PSA adhesive is protected from air-borne contaminants

- The tab allows easier removal of the paper liner

Designed for intermediate/light pressure, dry sanding. Ideal for dimensioning and finishing of contours.

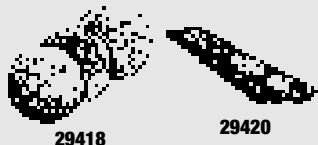


PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Tabbed Discs</b>				
66623351358	P80	KJ370	50	250
66623351359	P100	KJ370	50	250
66623351360	P120	KJ370	50	250
66623351361	P150	KJ370	50	250
66623351362	P180	KJ370	50	250
66623351363	P220	KJ370	50	250

Looking for more cloth PSA discs? Ask your Carborundum/Merit distributor about our Merit ShurStick discs, or visit [www.meritabrasives.com](http://www.meritabrasives.com)

Disc roll dispenser available on page 16.

## Back-up Pads and PSA Conversion Discs and Strips for Stick-On Discs



### Back-up Pads for Stick-On Discs

Vinyl-faced pads for use with Stick-On discs or conventional discs using disc adhesive. 5" and 6" pads have a riveted 5/16"-24 threaded shank. 8" pads have a 5/8"-11 threaded female hub.

### PSA Conversion Discs and Strips

Permanent adhesive on textile hook backing allows for low cost conversion of Stick-On pads to Grip-On.

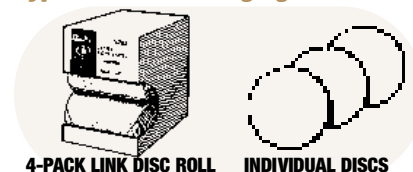
PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pads for Stick-On Discs</b>			
05539599303	3" Low Profile - Soft	12,000	10*
05539599304	5" Low Profile - Soft	12,000	5*
05539599309	5" Low Profile - Medium	15,000	5*
05539512021	5" Tapered - Medium	10,000	1
05539599317	5" Tapered - Medium	15,000	5*
05539599305	6" Low Profile - Soft	12,000	5*
05539599311	6" Low Profile - Medium	15,000	5*
05539512022	6" Tapered - Medium	10,000	1
05539599319	6" Tapered - Medium	15,000	5*
05539512023	8" x 1/2 Tapered - Medium	4,800	1
<b>Stick-On to Grip-On Conversion Discs and Strips</b>			
05539529420	2-3/4" x 16-1/2"		20
05539529418	6"		20

\* Packaged in individual clamshells

COATED

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### Types of Disc Packaging



4-PACK LINK DISC ROLL

INDIVIDUAL DISCS

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Vacuum Stick-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize, and an open coat
- Vacuum holes
- Link disc roll, 4-pack with polybags

### Benefits

- 30% to 50% faster cut rate than other discs
- Consistent scratch pattern and finish
- Improved grain adhesion and longest disc life
- 50% – 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Easy application and removal
- Superior load resistance and extended life
- No color transfer to work
- Dust-free sanding environment
- Extended life
- Easy dispensing
- Minimizes storage space
- Protects individual rolls

Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.



PART NO.	GRADING		ROLLS/CASE	MIN. QTY.
<b>5" x 5 Hole Vacuum Link Disc Rolls D-3329</b>				
05539515295	P80	B 0912 DO	4	4
05539515294	P100	B 0912 DO	4	4
05539515293	P120	B 0912 DO	4	4
05539515292	P150	B 0912 DO	4	4
05539515291	P180	B 0912 DO	4	4
05539515287	P220	B 0912 DO	4	4
05539515286	P240	B 0912 DO	4	4
05539515285*	P280	B 0912 DO	4	60
05539515284	P320	B 0912 DO	4	4
05539515282	P400	B 0912 DO	4	4
05539515281	P600	B 0912 DO	4	4
05539515279	P800	B 0712 DO	4	4



PART NO.	GRADING		ROLLS/CASE	MIN. QTY.
<b>6" x 6 Hole Vacuum Link Disc Rolls D-3333</b>				
05539515317	P80	B 0912 DO	4	4
05539515316	P100	B 0912 DO	4	4
05539515315	P120	B 0912 DO	4	4
05539515313	P150	B 0912 DO	4	4
05539515312	P180	B 0912 DO	4	4
05539515311	P220	B 0912 DO	4	4
05539515304	P240	B 0912 DO	4	4
05539515301*	P280	B 0912 DO	4	60
05539515300	P320	B 0912 DO	4	4
05539515298	P400	B 0912 DO	4	4
05539515297	P600	B 0912 DO	4	4
05539515296	P800	B 0712 DO	4	4

100 discs per roll. Order in multiples of 4 rolls.

\* Non-stock. Ask your Carborundum representative for current lead times.

See back-up pads for these discs on page 16.

## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Vacuum Stick-On

### Features

- Premium, P-graded, light brown aluminum oxide abrasive
- Durable C-weight backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize, and an open coat
- Vacuum holes
- Link disc roll
- 4-pack with polybags

### Benefits

- Fast cut, long life
- High tear resistance
- Easy application and removal
- Excellent load resistance
- No pigment transfer
- Dust-free sanding environment
- Easy dispensing
- Minimizes storage space
- Reduces cardboard waste
- Protects individual rolls

Ideal for sanding paints, primers, plastics and fiberglass, as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING		ROLLS/CASE	MIN. QTY.
<b>5" x 5 Hole Vacuum Link Disc Rolls D-3329</b>				
05539563612	P80	C 0712 DO	4	4
05539563611*	P120	C 0712 DO	4	60
05539563610*	P150	C 0712 DO	4	60
05539563609	P180	C 0712 DO	4	4
05539563608*	P220	C 0712 DO	4	60
05539563606	P320	C 0712 DO	4	4
05539563605*	P400	C 0712 DO	4	60
<b>6" x 6 Hole Vacuum Link Disc Rolls D-3333</b>				
05539563620*	P80	C 0712 DO	4	60
05539563616	P220	C 0712 DO	4	4
05539563614	P320	C 0712 DO	4	4

100 discs per roll. Order in multiples of 4 rolls.

\* Non-stock. Ask your Carborundum representative for current lead times.

# Vacuum Stick-On Paper Discs

## Premier Red Zirconia Alumina Resin Paper Open Vacuum Stick-On

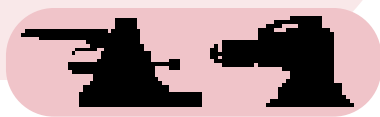
### Features

- Premium, zirconia alumina abrasive and an open coat
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing
- PSA (pressure sensitive adhesive) backing
- Vacuum holes

### Benefits

- Fast removal rates, extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Greater flexibility
- Easy application and removal
- Dust-free sanding environment

Best choice for stripping paint and rust, as well as blending welds.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>6" x 6 Hole Individual Vacuum Discs D-3371</b>			
05539521307	40 E 1214 O	50	200
<b>8" x 8 Hole Individual Vacuum Discs D-3370</b>			
05539521311	36 E 1214 O	25	100
05539521309	80 E 1214 O	25	100

## Back-up Pads for Vacuum Stick-On Discs



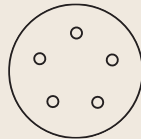
Vinyl-faced pads for use with Stick-On discs with standard vacuum hole patterns. These pads have a riveted 5/16"-24 threaded shank.

PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pad for Stick-On Vacuum Discs</b>			
05539599310	5" x 5 Hole Low Profile - Medium	15,000	5*
05539512025	5" x 5 Hole Tapered - Medium	10,000	1
05539599318	5" x 5 Hole Tapered - Medium	15,000	5*
05539599312	6" x 6 Hole Low Profile - Medium	15,000	5*
05539599320	6" x 6 Hole Tapered - Medium	15,000	5*

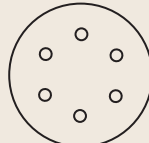
\* Packaged in Individual Clamshells

## Die Patterns

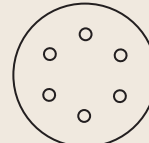
Die pattern numbers showing hole patterns on Vacuum Stick-On Discs.



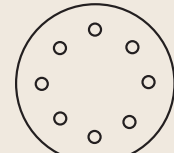
**DIE D-3329 – DISCS ROLLS**  
5" PAD WITH  
5 VACUUM HOLES



**DIE D-3333 – DISC ROLLS**  
6" PAD WITH  
6 VACUUM HOLES

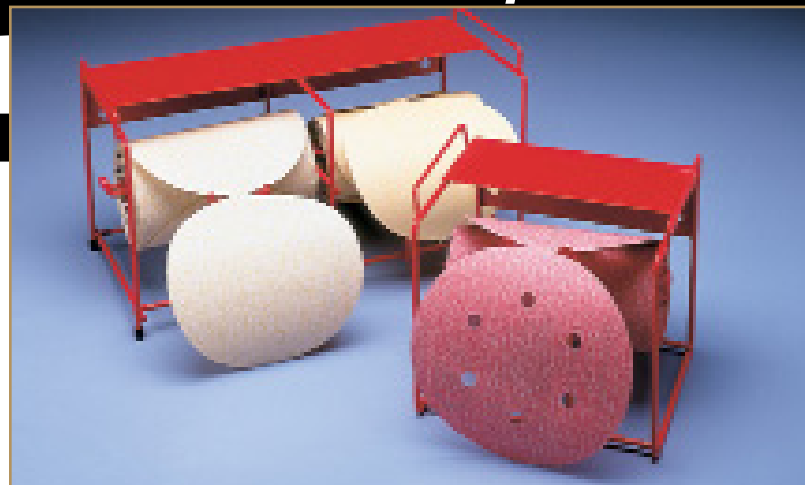


**DIE D-3371**  
6" PAD WITH  
6 VACUUM HOLES



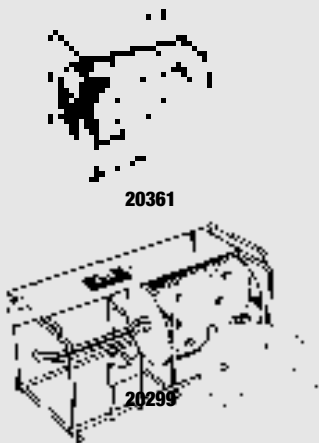
**DIE D-3370**  
8" PAD WITH  
8 VACUUM HOLES

## Dispensers



## Disc Roll Dispensers

16



These convenient disc roll dispensers feature heavy-duty construction and a rubberized finish to protect your product. Designed to accommodate any 5" or 6" disc rolls or sheet rolls, they can be easily moved from one work station to another, attached to a wall, or stacked for multi-grit or multi-diameter operations. Discs are individually removed from the roll by a cutter bar.

PART NO.	DESCRIPTION	DISPENSERS/CASE
<b>Disc Roll Dispenser</b>		
05539520361	Disc Roll Dispenser – Single	1
05539520299	Disc Roll Dispenser – Double	1

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Grip-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Ultra fine grits P1000, P1200 and P1500
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- Hook and loop fastening system
- Special, undyed stearate oversize and an open coat

### Benefits

- 30% to 50% faster cut rate than other discs
- Consistent scratch pattern and finish
- Excellent cut rate and total cut, while minimizing loading = maximum life
- Creates fine finishes
- Improved grain adhesion and longest disc life
- 50% – 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Neat, clean application and removal
- Can be re-used
- Superior load resistance and extended life
- No color transfer to work

**Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.**



### 3" x 0" Individual Discs

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
05539570019	P80 B 0912 DO	50	200
05539570020	P180 B 0912 DO	50	200
05539570021	P320 B 0912 DO	50	200
05539570022	P800 B 0712 DO	50	200
05539569926	P1000 B 0712 DO	50	200
05539569927	P1500 B 0712 DO	50	200

### 5" x 0" Individual Discs

05539520269	P80 B 0912 DO	100	400
05539520267	P100 B 0912 DO	100	400
05539520266	P120 B 0912 DO	100	400
05539520264	P150 B 0912 DO	100	400
05539520263	P180 B 0912 DO	100	400
05539520262	P220 B 0912 DO	100	400
05539520260	P240 B 0912 DO	100	400
05539520259	P280 B 0912 DO	100	400
05539520258	P320 B 0912 DO	100	400
05539520257	P400 B 0912 DO	100	400
05539563781	P500 B 0912 DO	100	400
05539520256	P600 B 0912 DO	100	400
05539520255	P800 B 0712 DO	100	400
05539520254	P1000 B 0712 DO	100	400
05539520253	P1200 B 0712 DO	100	400
05539520252	P1500 B 0712 DO	100	400

### 6" x 0" Individual Discs

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
05539520289	P80 B 0912 DO	100	400
05539520288	P100 B 0912 DO	100	400
05539520287	P120 B 0912 DO	100	400
05539520285	P150 B 0912 DO	100	400
05539520284	P180 B 0912 DO	100	400
05539520283	P220 B 0912 DO	100	400
05539520282	P240 B 0912 DO	100	400
05539520278	P280 B 0912 DO	100	400
05539520277	P320 B 0912 DO	100	400
05539520276	P400 B 0912 DO	100	400
05539563782	P500 B 0912 DO	100	400
05539520275	P600 B 0912 DO	100	400
05539520274	P800 B 0712 DO	100	400
05539520272	P1000 B 0712 DO	100	400
05539520271	P1200 B 0712 DO	100	400
05539520270	P1500 B 0712 DO	100	400

See back-up pads for these discs on page 19.

## Spec Check

### PAPER DISC STARTING RECOMMENDATIONS BY MATERIAL/APPLICATION

MATERIAL	BEST PERFORMANCE	GENERAL-DUTY
UNFINISHED METAL	E 1214 O, F 0915	E 0912 O
PRIMED AND PAINTED SURFACES	B 0912 DO / B 0712 DO	C 0712 DO, PB273
FIBERGLASS / COMPOSITES	B 0912 DO / B 0712 DO, E 1214 O	C 0712 DO, PB273, E 0912 O
BARE WOOD	B 0912 DO / B 0712 DO	C 0712 DO, PB273
SEALER SANDING	B 0912 DO / B 0712 DO	B 0411 DO
PAINT STRIPPING	B 0912 DO / B 0712 DO, E 1214 O	C 0712 DO, PB273, E 0912 O



## Aluminum Oxide Dri-Lube Resin Paper Open Grip-On

### Features

- P-graded, sharp light-brown, aluminum oxide abrasive
- Premium B-weight latex-saturated, high-internal-bond paper backing
- Hook and loop fastening system
- Water-based stearate oversize and an open coat
- No pigment in anti-load oversize or bond
- Link disc roll, 4-pack with polybags

### Benefits

- Fast cut rate, extended life and consistent finish
- Improved resistance to delamination, can be used moist or wet
- Neat, clean application and removal
- Can be re-used
- Improved load resistance on a broad range of substrates
- No risk of color transfer, stronger bond
- Easy dispensing
- Minimizes storage space

Excellent for sanding paints, primers, plastics and fiberglass, as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Discs</b>			
66623362950	P80 PB273	100	400
66623365788	P100 PB273	100	400
66623362949	P120 PB273	100	400
66623362948	P150 PB273	100	400

continued

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Discs (cont'd)</b>			
66623362947	P180 PB273	100	400
66623362946	P220 PB273	100	400
66623362945	P240 PB273	100	400
66623362944	P320 PB273	100	400
66623362943	P400 PB273	100	400
66261023937	P500 PB273	100	400
66623362942	P600 PB273	100	400
66623362941	P800 PB273	100	400
<b>6" x 0" Individual Discs</b>			
66623362960	P80 PB273	100	400
66623365789	P100 PB273	100	400
66623362959	P120 PB273	100	400
66623362958	P150 PB273	100	400
66623362957	P180 PB273	100	400
66623362956	P220 PB273	100	400
66623362955	P240 PB273	100	400
66623362954	P320 PB273	100	400
66623362953	P400 PB273	100	400
66623362952	P600 PB273	100	400
66623362951	P800 PB273	100	400

## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Grip-On

### Features

- P-graded, light brown, aluminum oxide abrasive
- C-weight backing
- Hook and loop fastening system
- Special, undyed stearate oversize and an open coat

### Benefits

- Fast cut, long life
- Durable, high tear resistance
- Neat, clean application and removal
- Excellent load resistance
- No pigment transfer

Ideal for sanding paints, primers, plastics and fiberglass, as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Discs</b>			
05539520123	P80 C 0712 DO	100	400
05539520122	P100 C 0712 DO	100	400
05539520121	P120 C 0712 DO	100	400

continued

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 0" Individual Discs (cont'd)</b>			
05539520120	P150 C 0712 DO	100	400
05539520119	P180 C 0712 DO	100	400
05539520118	P220 C 0712 DO	100	400
05539520115	P320 C 0712 DO	100	400
<b>6" x 0" Individual Discs</b>			
05539520134	P80 C 0712 DO	100	400
05539520133	P100 C 0712 DO	100	400
05539520132	P120 C 0712 DO	100	400
05539520131	P150 C 0712 DO	100	400
05539520130	P180 C 0712 DO	100	400
05539520129	P220 C 0712 DO	100	400
05539520126	P320 C 0712 DO	100	400
05539520125	P400 C 0712 DO	100	400

COATED

## 18 Premier Red Zirconia Alumina Resin Paper Open Grip-On

### Features

- Premium zirconia alumina abrasive and an open coat
- Full phenolic resin bond system plus latex
- E-weight latex paper backing
- Hook and loop fastening system

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Greater flexibility
- Neat, clean application and removal
- Can be re-used

Best choice for stripping paint and rust, as well as blending welds.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Discs</b>			
05539521316	40 E 1214 O	25	100
05539521315	80 E 1214 O	25	100
<b>8" x 0" Individual Discs</b>			
05539521320	36 E 1214 O	25	100
05539521319	40 E 1214 O	25	100
05539521318	80 E 1214 O	25	100

## Carbo Gold Aluminum Oxide Resin Paper Open Grip-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Resin bond and an open coat
- E-weight paper backing
- Hook and loop fastening system

### Benefits

- Fast, aggressive cut and long life
- Increased life, reduced loading and reduced edge wear
- Increased strength and durability
- Neat, clean application and removal

Ideal for stripping all paints and rust, as well as blending welds.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>8" x 0" Individual Discs</b>				
05539518836	P80	E 0912 O	25	250

## Back-up Pads and Interface Pads for Grip-On Discs



20521, 20520

### Back-Up Pad

Back-up pads for use with Grip-On discs. Incorporates unique hook and loop fastening system for neat, clean application and removal. 5" and 6" pads have a riveted 5/16"-24 threaded shank. 8" pads have a 5/8-11 threaded female hub.

### Interface Pad

Soft, pliable foam pad which fastens to the standard 5" and 6" Grip-On back-up pad using a hook and loop system. It converts the standard pad into a fine finishing pad and enhances P1000, P1200 and P1500 fine sanding random orbital applications.

PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pads for Grip-On Discs</b>			
05539599306	3" Low Profile - Soft	12,000	5*
05539599307	5" Low Profile - Soft	12,000	5*
05539599313	5" Low Profile - Medium	15,000	5*
05539512028	5" Tapered - Medium	10,000	1
05539599321	5" Tapered - Medium	15,000	5*
05539599308	6" Low Profile - Soft	12,000	5*
05539599315	6" Low Profile - Medium	15,000	5*
05539512029	6" Tapered - Medium	10,000	1
05539599323	6" Tapered - Medium	15,000	5*
05539512030	8" Tapered - Medium	4,800	1
<b>Interface Pads for Grip-On Discs</b>			
05539520521	5" Interface Pad	—	20
05539520520	6" Interface Pad	—	20

\* Packaged in Individual Clamshells

## Disc Competitive Cross Reference

CARBORUNDUM	3M	HERMES	KLINGSPOR	MIRKA	VSM
<b>PAPER DISCS</b>					
B 0411 DO	414N, 415N,	PSF-LL, SA167	PL35	CARAT(B)	CP131A
B 0912 DO, B 0712 DO	216U, 255L, 260L, 334U, 365L	HC133, HCAB	PS33	Q-SILVER, ROYAL	—
PB273	214U, 216U, 236U, 316U, 360L	VC151-LL, HCAB	PS33	BULLDOG GOLD, ROYAL	—
C 0712 DO	236U, 316U	HCAB	PS33, PL36	BULLDOG GOLD	KP911
E 0912 O	245N, 246U, 296O, 251U, 253N, 346U	—	PS23	—	KP510E
E 1214 O	750U, 751U, 740L, 745I	—	—	ROYAL COARSE CUT	KP510E, KP709
F 0915	241, 242, 263U, 360I, 361I, 362I, 363I	BW115	PS20	—	KP709, KP508E
<b>CLOTH DISCS</b>					
XC 0877	241D, 251D, 261D, 248D	RB346MX	CS310X	—	KK511X

# Vacuum Grip-On Paper Discs

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Vacuum Grip-On

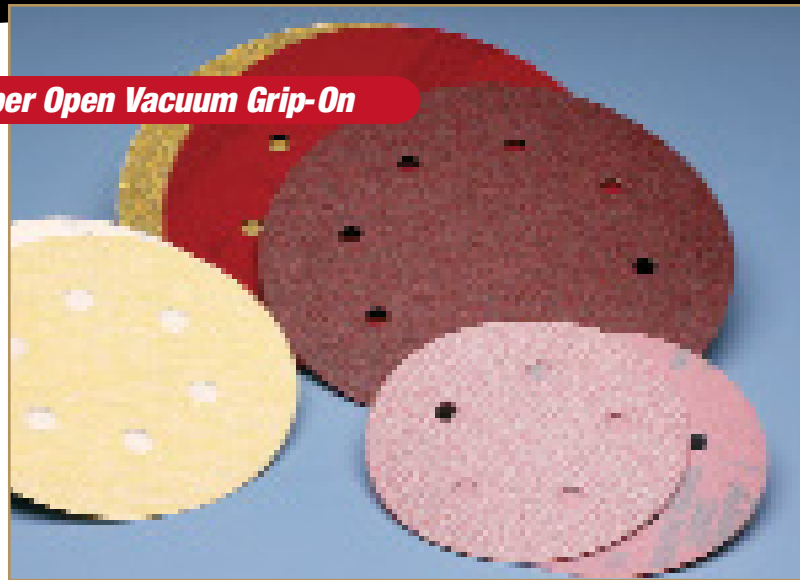
### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Ultra fine grit P1000
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- Hook and loop fastening system
- Special, undyed stearate oversize and an open coat
- Vacuum holes

### Benefits

- 30% to 50% faster cut rate than other discs
- Consistent scratch pattern and finish
- Excellent cut rate and total cut, while minimizing loading = maximum life
- Creates fine finishes
- Improved grain adhesion and longest disc life
- 50% – 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Neat, clean application and removal
- Can be re-used
- Superior load resistance and extended life
- No color transfer to work
- Dust-free sanding environment
- Extended life

*Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.*



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>5" x 5 Hole Individual Vacuum Discs D-3328</b>				
05539520315	P80	B 0912 DO	100	400
05539520314	P100	B 0912 DO	100	400
05539520313	P120	B 0912 DO	100	400
05539520312	P150	B 0912 DO	100	400
05539520311	P180	B 0912 DO	100	400
05539520310	P220	B 0912 DO	100	400
05539520307	P320	B 0912 DO	100	400
05539520306	P400	B 0912 DO	100	400
05539520305	P600	B 0912 DO	100	400

PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>6" x 6 Hole Individual Vacuum Discs D-3371</b>				
05539520331	P80	B 0912 DO	100	400
05539520330	P100	B 0912 DO	100	400
05539520329	P120	B 0912 DO	100	400
05539520328	P150	B 0912 DO	100	400
05539520326	P180	B 0912 DO	100	400
05539520325	P220	B 0912 DO	100	400
05539520324	P240	B 0912 DO	100	400
05539520323	P280	B 0912 DO	100	400
05539520322	P320	B 0912 DO	100	400
05539520321	P400	B 0912 DO	100	400
05539563784	P500	B 0912 DO	100	400
05539520320	P600	B 0912 DO	100	400
05539520319	P800	B 0712 DO	100	400
05539520318	P1000	B 0712 DO	100	400

## Aluminum Oxide Dri-Lube Resin Paper Open Vacuum Grip-On

### Features

- P-graded, sharp light-brown, aluminum oxide abrasive
- Premium B-weight latex-saturated, high-internal-bond paper backing
- Hook and loop fastening system
- Water-based stearate oversize and an open coat
- No pigment in anti-load oversize or bond
- Vacuum holes

### Benefits

- Fast cut rate, extended life and consistent finish
- Improved resistance to delamination, can be used moist or wet
- Neat, clean application and removal
- Can be re-used
- Improved load resistance on a broad range of substrates
- No risk of color transfer, stronger bond
- Dust-free sanding environment
- Extended life

*Excellent for sanding paints, primers, plastics and fiberglass, as well as whitewood sanding, clean-up and repair.*



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>5" x 8 Hole Individual Vacuum Discs D-3392</b>				
66623366071	P80	PB273	100	400
66623366978	P120	PB273	100	400
66623366073	P150	PB273	100	400
66623366074	P180	PB273	100	400
66623366075	P220	PB273	100	400
66623366077	P320	PB273	100	400

*See back-up pads for these discs on page 21.*

COATED

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## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Vacuum Grip-On

### Features

- P-graded, light brown, aluminum oxide abrasive
- C-weight backing
- Hook and loop fastening system
- Special, undyed stearate oversize and an open coat
- Vacuum holes

### Benefits

- Fast cut, long life
- Durable, high tear resistance
- Neat, clean application and removal
- Excellent load resistance
- No pigment transfer
- Dust-free sanding environment

Ideal for sanding paints, primers, plastics and fiberglass, as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>5" x 5 Hole Individual Vacuum Discs D-3328</b>				
05539563628	P80	C 0712 DO	50	200
05539563627	P120	C 0712 DO	50	200
05539563626	P150	C 0712 DO	50	200
05539563625	P180	C 0712 DO	50	200
05539563624	P220	C 0712 DO	50	200
05539563623*	P240	C 0712 DO	50	200*
<b>6" x 6 Hole Individual Vacuum Discs D-3371</b>				
05539563641*	P180	C 0712 DO	50	200*
05539563640*	P220	C 0712 DO	50	200*

\* Non-stock. Minimum order quantity for these items is 2000. Ask your Carborundum representative for current lead times.

## Premier Red Zirconia Alumina Resin Paper Open Vacuum Grip-On

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight latex paper backing
- Hook and loop fastening system
- Vacuum holes

### Benefits

- Faster removal rates than aluminum oxide discs
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Greater flexibility
- Neat, clean application and removal
- Dust-free sanding environment

Best choice for stripping paint and rust, as well as blending welds.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>8" x 8 Hole Individual Vacuum Discs D-3370</b>				
05539521325	40	E 1214 O	25	100
05539521324	80	E 1214 O	25	100

## Back-up Pads for Vacuum Grip-On Discs



20358, 20359

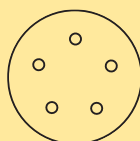
Unique hook and loop fastening system for use with standard 5" and 6" vacuum hole patterns. These pads have a riveted 5/16"-24 threaded shank.

PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pads for Grip-On Vacuum Discs</b>			
05539599314	5" x 5 Hole Low Profile - Medium	15,000	5*
05539520358	5" x 5 Hole Tapered - Medium	10,000	1
05539599322	5" x 5 Hole Tapered - Medium	15,000	5*
05539599316	6" x 6 Hole Low Profile - Medium	15,000	5*
05539520359	6" x 6 Hole Tapered - Medium	10,000	1
05539599324	6" x 6 Hole Tapered - Medium	15,000	5*

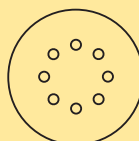
\* Packaged in Individual Clamshells

## Die Patterns

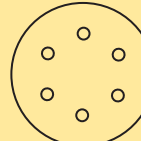
Die pattern numbers showing hole patterns on Vacuum Stick-On Discs.



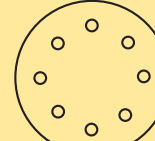
**DIE D-3328**  
5" PAD WITH  
5 VACUUM HOLES



**DIE D-3392**  
5" PAD WITH  
8 VACUUM HOLES



**DIE D-3371**  
6" PAD WITH  
6 VACUUM HOLES



**DIE D-3370**  
8" PAD WITH  
8 VACUUM HOLES

# Glue-On Paper Discs

## Premier Red Zirconia Alumina Resin Paper Open

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing

### Benefits

- Faster removal rates than aluminum oxide discs
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Greater flexibility

Best choice for stripping paint and rust, as well as blending welds.

Use disc cement to apply these discs.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Discs</b>				
05539521330	80	E 1214 O	50	200
<b>8" x 0" Individual Discs</b>				
05539521335	36	E 1214 O	25	100
05539521334	40	E 1214 O	25	100
05539521333	80	E 1214 O	25	100



## Carbo Gold Aluminum Oxide Resin Paper Open

### Features

- P-graded, heat-treated aluminum oxide abrasive
- Resin bond and an open coat
- E-weight paper backing

### Benefits

- Fast, aggressive cut and long life
- Increased life, reduced loading and reduced edge wear
- Increased strength and durability

Ideal for stripping all paints and rust, as well as blending welds.

Use disc cement to apply these discs.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>6" x 0" Individual Discs</b>				
05539512417	P40	E 0912 O	100	400
05539512415	P80	E 0912 O	100	400
<b>8" x 0" Individual Discs</b>				
05539512420	P40	E 0912 O	50	200
05539512419	P80	E 0912 O	50	200

## Disc Cement

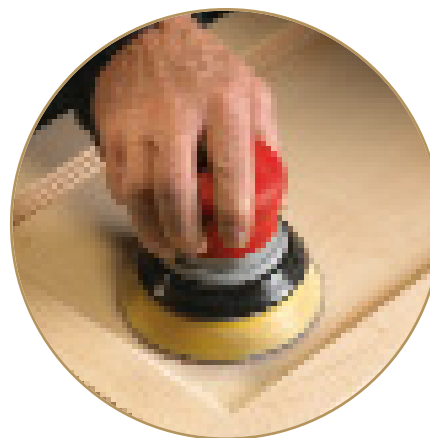
### Disc Cement

Pressure sensitive adhesive for attaching discs to back-up pads.



PART NO.	GRADING	TUBE/CAN/CASE
<b>Disc Cement</b>		
05539512009	5 oz. Tube / 148 ml Tube	12
05539512010	16 oz. Can / 500 ml Can	12

Looking for Flex-Loc cloth discs?  
Ask your Carborundum/Merit distributor about our complete line of quality Merit PowerLock discs.



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## Medalist Ceramic Alumina Resin Fiber

### Features

- Ceramic alumina abrasive
- Resin bond
- Heavy fiber backing

### Benefits

- Sharper, cooler cutting abrasive continually exposing sharp points
- Fast cut rate with long life
- Increased strength, durability and grain adhesion
- Strength and tear resistance

The choice for all fiber disc grinding applications requiring aggressive cutting action, cool cut and long life.

For hardest-to-grind materials.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>4-1/2" x 7/8" Individual Discs</b>			
05539510719	36 V 2547	25	25
05539510717	60 V 2547	25	25
05539510716	80 V 2547	25	25
<b>5" x 7/8" Individual Discs</b>			
05539510732	24 V 2547	25	25
05539510731	36 V 2547	25	25
05539510730	50 V 2547	25	25
05539510728	60 V 2547	25	25
05539510727	80 V 2547	25	25
<b>7" x 7/8" Individual Discs</b>			
05539510742	24 V 2547	25	25
05539510740	36 V 2547	25	25
05539510738	50 V 2547	25	25
05539510736	60 V 2547	25	25
05539510735	80 V 2547	25	25



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>9-1/8" x 7/8" Individual Discs</b>			
05539510782	24 V 2547	25	25
05539510749	36 V 2547	25	25
05539510748	50 V 2547	25	25

See back-up pads for these discs on page 24.

## Premier Red Zirconia Alumina Resin Fiber

### Features

- Premium ceramic and high-performance zirconia alumina abrasive blend
- Resin bond
- Heavy fiber backing

### Benefits

- Longer life, especially on hard-to-grind materials
- Tough, aggressive yet cool cutting and self sharpening
- Increased strength, durability and grain adhesion
- Strength and tear resistance

Ideal for heavy-duty grinding of welds, gates, risers and parting lines on castings and carbon steels. The best choice for stainless steel and other hard-to-grind materials.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>4-1/2" x 7/8" Individual Discs</b>			
05539520088	24 V 1247	25	25
05539520087	36 V 1247	25	25
05539520086	50 V 1247	25	25
05539520034	60 V 1247	25	25
05539520019	80 V 1247	25	25

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 7/8" Individual Discs</b>			
05539510713	24 V 1247	25	25
05539510712	36 V 1247	25	25
05539510711	50 V 1247	25	25
05539520069	60 V 1247	25	25
05539520055	80 V 1247	25	25
<b>7" x 7/8" Individual Discs</b>			
05539510722	24 V 1247	25	25
05539510721	36 V 1247	25	25
05539510720	50 V 1247	25	25
05539520077	60 V 1247	25	25
05539520076	80 V 1247	25	25
<b>9-1/8" x 7/8" Individual Discs</b>			
05539520083	36 V 1247	25	25

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## Fiber Disc Competitive Cross Reference

CARBORUNDUM	3M	GEMTEX	HERMES	VSM	KLINGSPOR	SAIT	SIA/SANGAP
V 2547	983C, 984C, 988C	CERAMIX	CB444X, CB444J	ZF713, SF750, SF840	-	-	-
V 1247	501C, 785C	-	RB414X, CB444J, CB444X	KF715	CS565, CS566	-	-
V 0947	281C, 381C, 380C	-	RB314X, RB314J	KF708, KF808	CS561	-	4919

# Resin Fiber Discs

## Aluminum Oxide Resin Fiber

### Features

- Heat-treated, aluminum oxide abrasive
- Resin bond
- Heavy fiber backing

### Benefits

- Aggressive yet cool cutting with long life
- Increased strength, durability and grain adhesion
- Strength and tear resistance

Ideal for rust, bare metal, welds, stainless steel and general purpose use.



PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>4" x 5/8" Individual Discs</b>			
05539510595	24 V 0947	25	25
05539510594	36 V 0947	25	25
05539510593	50 V 0947	25	25
05539510592	60 V 0947	25	25
05539510591	80 V 0947	25	25
<b>4-1/2" x 7/8" Individual Discs</b>			
05539510603	24 V 0947	25	25
05539510602	36 V 0947	25	25
05539510601	50 V 0947	25	25
05539510600	60 V 0947	25	25
05539510598	80 V 0947	25	25
05539510597	100 V 0947	25	25
05539510596	120 V 0947	25	25

PART NO.	GRADING	DISCS/PKG.	DISCS/CASE
<b>5" x 7/8" Individual Discs</b>			
05539510684	16 V 0947	25	25
05539510683	24 V 0947	25	25
05539510682	36 V 0947	25	25
05539510680	50 V 0947	25	25
05539510676	60 V 0947	25	25
05539510675	80 V 0947	25	25
05539510674	100 V 0947	25	25
05539510673	120 V 0947	25	25
<b>7" x 7/8" Individual Discs</b>			
05539510693	16 V 0947	25	25
05539510692	24 V 0947	25	25
05539510691	36 V 0947	25	25
05539510690	50 V 0947	25	25
05539510689	60 V 0947	25	25
05539510688	80 V 0947	25	25
05539510686	100 V 0947	25	25
05539510685	120 V 0947	25	25
<b>7" x 7/8" - Flex-Loc Individual Discs</b>			
05539511144	36 V 0947	25	25
<b>9-1/8" x 7/8" Individual Discs</b>			
05539510702	24 V 0947	25	25
05539510701	36 V 0947	25	25
05539510700	50 V 0947	25	25
05539510699	60 V 0947	25	25
05539510695	120 V 0947	25	25

## Back-up Pads for Resin Fiber Discs



62582, 12032, 12033

For all-purpose fiber disc sanding. Curved ribs on pad face reduce loading and allow for cooler cut. All pads have a threaded 5/8"-111 female hub.

PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pads for Resin Fiber Discs</b>			
05539562582	4-1/2" Medium Air-Cooled	11,000	1
05539512033	5" Medium Air-Cooled	10,000	1
05539512032	7" Medium Air-Cooled	8,600	1

## Pad Nut for Resin Fiber Discs



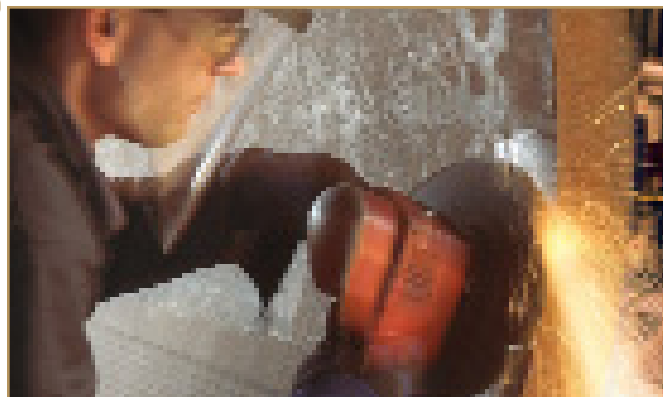
12568

Used to secure resin fiber discs to back-up pad.

PART NO.	DESCRIPTION	PAD NUTS/CASE
<b>Pad Nut for Resin Fiber Discs</b>		
05539512568	5/8"-11	1

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## Spec Check

### STARTING RECOMMENDATIONS BY MATERIAL

MATERIAL	HEAVY-DUTY BEST PERFORMANCE	GENERAL-DUTY
CARBON STEEL	V 2547	V 1247
STAINLESS STEEL/ALLOYS	V 2547, V 1247	
CAST IRON	V 2547	V 1247
BRASS/BRONZE	V 1247	V 0947
ALUMINUM	V 1247	V 0947
FIBERGLASS	V 2547	V 1247
PAINT REMOVAL AND CLEAN-UP	V 1247	V 0947

### RECOMMENDED GRIT SELECTION

ROUGH/HEAVY-DUTY	INTERMEDIATE	FINISHING
16-50	50-80	80-120

## Medalist Ceramic Alumina Resin Fiber

**NEW!**

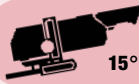
### Features

- Ceramic alumina abrasive
- Resin bond
- Heavy fiber backing
- Round edge shape
- Scooped holes
- Flex-Loc mount

### Benefits

- Sharper, cooler cutting abrasive continually exposing sharp points
- Fast cut rate with long life
- Increased strength, durability and grain adhesion
- Strength and tear resistance
- Ideal for reaching into grooves, sharp edges, and hard-to-grind corners where work is done at a steeper angle
- Create air flow to remove swarf – preventing loading – and a 30% cooler cutting action than conventional discs
- Quick, tool-free changing of discs

The choice for all fiber disc grinding applications requiring aggressive cutting action, cool cut and long life. For hardest-to-grind materials.



Strategically placed holes allow the operator to see the surface area being ground while the disc is spinning, enabling faster and more accurate work, and a superior finish.



PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>5" E-ZView Edger Flex-Loc Fiber Individual Discs</b>				
05539562959	24	V2547	10	40
05539562960	36	V2547	10	40

## Premier Red Zirconia Alumina Resin Fiber



### Features

- Premium ceramic and high performance zirconia alumina abrasive blend
- Resin bond
- Heavy fiber backing
- Round edge shape
- Scooped holes
- Flex-Loc mount

### Benefits

- Long life, especially on hard-to-grind materials
- Ultra tough, aggressive, yet cool cutting, and self sharpening
- Increased strength, durability and grain adhesion
- Strength and tear resistance
- Ideal for reaching into grooves, sharp edges, and hard-to-grind corners where work is done at a steeper angle
- Create air flow to remove swarf – preventing loading – and a 30% cooler cutting action than conventional discs
- Quick, tool-free changing of discs

Ideal for heavy duty grinding of welds, gates, risers and parting lines on castings and carbon steels. The best choice for stainless steel.



Strategically placed holes allow the operator to see the surface area being ground while the disc is spinning, enabling faster and more accurate work, and a superior finish.

PART NO.	GRADING		DISCS/PKG.	DISCS/CASE
<b>4-1/2" E-ZView Edger Flex-Loc Fiber Individual Discs</b>				
05539563969	24	V 1247	10	40
05539563970	36	V 1247	10	40
05539563971	50	V 1247	10	40
<b>5" E-ZView Edger Flex-Loc Fiber Individual Discs</b>				
05539562966	24	V 1247	10	40
05539562967	36	V 1247	10	40
05539562968	50	V 1247	10	40
05539562969	60	V 1247	10	40
05539562970	80	V 1247	10	40
<b>7" E-ZView Edger Flex-Loc Fiber Individual Discs</b>				
05539563828	36	V 1247	10	40
05539563829	50	V 1247	10	40

See back-up pads for these discs on page 26.

## Say Good-bye to Guesswork. Put Your Surface in Easy View.

E-ZView is our patented abrasive product for portable right angle grinders. Strategically positioned holes allow the operator to see the surface area being ground, while the disc is spinning. Being able to see the surface while grinding enables an operator to reduce gouging, work faster and more accurately, and produce a superior finish.



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# Fibratex E-ZView Edger Flex-Loc Discs

## Fibratex A/O Resin E-ZView Edger Flex-Loc Discs

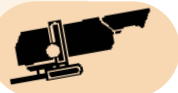
### Features

- Non-woven web design
- Advanced resin system
- Round edge shape
- Scooped holes
- Flex-Loc mount
- Redesigned center-hole locking mechanism

### Benefits

- Conformable, controlled cutting action
- Minimizes undercutting and gouging
- Resists loading
- Ideal for reaching into grooves, sharp edges, and hard-to-grind corners where work is done at a steeper angle
- Allow operator to see the surface area being ground
- Create air flow to remove swarf – preventing loading – and a 30% cooler cutting action than conventional discs
- Quick, tool-free changing of discs
- Elimination of hole slippage or spinning
- Discs are easily mounted and stay securely in place at all times.

Deliver a consistent finish when used to clean, deburr, blend or finish all types of metal and plastic. Ideal for the removal of rust, oxidation and coatings.



**Allows operator to see surface being ground!**

PART NO.	GRIT/ABRASIVE	COLOR	DISCS/CASE
<b>4-1/2" E-ZView Edger Flex-Loc Fibratex Individual Discs</b>			
05539563955	Coarse A/O	Brown	40
05539563956	Medium A/O	Maroon	40
05539563957	Very Fine A/O	Blue	40

PART NO.	GRIT/ABRASIVE	COLOR	DISCS/CASE
<b>7" E-ZView Edger Flex-Loc Fibratex Individual Discs</b>			
05539563960	Coarse A/O	Brown	40
05539563959	Medium A/O	Maroon	40
05539563958	Very Fine A/O	Blue	40

## Back-up Pads for E-ZView Edger Flex-Loc Discs



63975, 63019,  
63395



63835, 63836

Designed exclusively for use with E-ZView Edger Flex-Loc Discs. These back-up pads allow easy, tool-free mounting. The mounting hole and recessed lock-nut automatically line disc up with back-up pad and allow more disc to contact work surface.

PART NO.	DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-up Pads for E-ZView Edger Flex-Loc Discs</b>			
05539563975	4-1/2 x 5/8"-11 Sawtooth	13,000	5
05539563019	5 x 5/8"-11 Sawtooth	13,000	5
05539563395	5 x 7/16"-20 Pistol Grip Sawtooth	20,000	5
05539563835	7 x 5/8"-11 Round Hard, Thicker	8,600	5
05539563836	7 x 5/8"-11 Round Medium, Thicker	8,600	5

IMPROVED!

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## Fibratex Silicon Carbide Surface Strip Discs

### Features

- Open web construction
- Extra coarse grit
- Thick and durable
- 2" and 3" discs with Flex-Loc TR fastener
- Thick, durable 4" Flex-Loc TR+ disc with a more open web construction and longer TR shank

### Benefits

- Smear resistant formula
- Resist loading
- Quick cleaning and conditioning of surfaces
- Quick, tool-free disc changes allow more grinding time
- Resists loading; extended life
- Can be used on face and edge
- Quick-change replacement



An open web construction quickly and easily cleans and conditions a multitude of materials, with very little loading. Excellent for removal of surface rust and residue, corrosion, light weld splatter, dirt, mill scale and other similar surface contaminants.

### Major applications include:

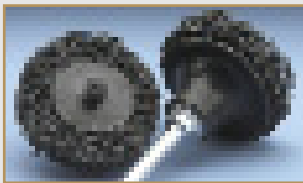
- preparing surfaces before welding
- cleaning and conditioning after welding
- surface preparation before coatings are applied
- paint and epoxy coating removal

PART NO.	GRIT/ABRASIVE	COLOR	MAX. RPM	DISCS/CASE
<b>2" Flex-Loc TR</b>				
05539564097	Extra Coarse S/C	Black	15,500	10
<b>3" Flex-Loc TR</b>				
05539564098	Extra Coarse S/C	Black	12,000	10
<b>4" Flex-Loc TR+</b>				
05539573903	Extra Coarse S/C	Black	8,000	10



PART NO.	GRIT/ABRASIVE	COLOR	MAX. RPM	DISCS/CASE
<b>4" x 1/4"</b>				
05539563438	Extra Coarse S/C	Black	8,000	25
<b>4" x 3/8"</b>				
05539562614	Extra Coarse S/C	Black	8,000	25
<b>4" x 1/2"</b>				
05539527164	Extra Coarse S/C	Black	8,000	25
<b>6" x 1/4"</b>				
05539563439	Extra Coarse S/C	Black	5,500	15
<b>6" x 1/2"</b>				
05539527163	Extra Coarse S/C	Black	5,500	15

## Back-up Pads for Flex-Loc TR Discs



### For Flex-Loc TR Discs

Molded rubber pad with a 1/4" steel shank for quick mounting. Unique locking device on face provides convenience and quick change.

PART NO.	DIAMETER/DESCRIPTION	MAX. RPM	PADS/CASE
<b>Back-Up Pads for Flex-Loc TR Discs</b>			
66261055103	2" Flex-Loc TR Medium	25,000	10
63642504900	3" Flex-Loc TR Hard	20,000	10
66261055105	3" Flex-Loc TR Medium	20,000	10
77696061650	4" Flex-Loc TR+ Medium	8,000	10

For the complete line of non-woven discs, ask your Carborundum/Merit distributor about our extensive Merit Abrasotex disc offering, or view [www.meritabrasives.com](http://www.meritabrasives.com)

# Fibratex Depressed Center Wheels

## Surface Strip Depressed Center Wheels

### Features

- Open web construction
- Extra coarse grit
- Thick and durable

### Benefits

- Smear resistant formula
- Resist loading
- Quick cleaning and conditioning of surfaces

An open web construction quickly and easily cleans and conditions a multitude of materials, with very little loading. Excellent for removal of surface rust and residue, corrosion, light weld splatter, dirt, mill scale and other similar surface contaminants. Major applications include:

- preparing surfaces before welding
- cleaning and conditioning after welding
- surface preparation before coatings are applied
- paint and epoxy coating removal



PART NO.	GRIT/ABRASIVE	COLOR	MAX. RPM	WHLs/CASE
<b>4-1/2" x 5/8"-11"</b>				
05539562616	Extra Coarse S/C	Black	12,000	10
<b>4-1/2" x 7/8"</b>				
05539562615	Extra Coarse S/C	Black	12,000	10
<b>7" x 5/8"-11"</b>				
05539562618	Extra Coarse S/C	Black	8,000	10
<b>7" x 7/8"</b>				
05539562617	Extra Coarse S/C	Black	8,000	10



## Fibratex Surface Finish Depressed Center Wheels

### Features

- Fine grain particle concentration cleans and polishes while imparting final finishes on a variety of materials
- Advanced resin system
- Low density
- Undersized backing
- CFX-2MA
- CFX-2FA
- CFX-2FS
- Medium A/O High Strength

### Benefits

- Increases productivity and reduces total abrasive costs by eliminating a grinding step
- Resists loading: smear-free, clean, fine finishes
- Conformable and flexible
- Maximizes grinding area and usage for longer life
- Most aggressive
- Multi-purpose
- Polishing
- Less aggressive, most conformable

Can be used in place of, or in sequence with, fiber and flap discs, to clean, polish and impart great finishes in one or two operations.

Surface Finish depressed center wheels will work anywhere our Surface Strip products work. Use Surface Finish when a less aggressive product is needed.

### Major applications include:

- prepping surfaces
- removing light scale on electrical power generation components (beryllium, copper, brass and bronze), composite and fiberglass resins, surface impurities from aluminum tubing, weld discoloration, over-spray from powder coating and painting operations
- cleaning and polishing injection molds, paper mill rolls, stainless steel, and ferrous and nonferrous metal surfaces



PART NO.	GRIT/ABRASIVE	MAX. RPM	WHLs/CASE
<b>4-1/2" x 5/8"-11</b>			
66261023940	CFX-2MA	12,000	10
66261023910	CFX-2FA	12,000	10
66261023909	CFX-2FS	12,000	10
66261023942	Medium A/O High Strength	12,000	10
<b>4-1/2" x 7/8"</b>			
66261021754	CFX-2MA	12,000	10
66261021758	CFX-2FA	12,000	10
66261021750	CFX-2FS	12,000	10
66261021761	Medium A/O High Strength	12,000	10

For the complete line of non-woven wheels ask your Carborundum/Merit distributor about our Merit Abrasotex wheels, or view [www.meritabrasives.com](http://www.meritabrasives.com)

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## Premier Red Zirconia Alumina Resin Cloth

### Features

- Grind and finish at the same time
- Fits same type grinder as resin fiber disc and depressed center wheel
- Type 29 – angled flaps, conical, slightly concaved design
- Increased area of contact

### Benefits

- No switching from depressed center wheel to resin fiber disc
- Eliminates need for special tools
- Built-in angle for grinding
- Minimizes workpiece gouging
- Aggressive action, high stock removal rates; durable
- Ideal for flat surfaces
- Excellent on soft metals; increased versatility
- Best choice when speed is the main consideration

- Type 27 – flat face

- More forgiving than Type 29
- Ideal for finishing intricate parts

- Type 27 Plastic – flat face, plastic back
- High performance blend of ceramic and zirconia abrasives

- Plastic back wears away with abrasives for longer life
- Requires less pressure to work at maximum performance
- More forgiving than Type 29 – producing smooth finishes

- Type 27, 27FB, Type 29, and 29FB
- Quality, zirconia alumina abrasive on durable cloth
- Phenolic resin back plate

- High rate of stock removal
- As cloth wears, new sharp grains are exposed
- Will not smear the work piece
- Wears uniformly with flaps

- Fat Boy – thicker with more flaps

- Up to 40% longer life than standard flap discs

- Fat Boy Type 27 **Expanded Offering!**

- Produces a smooth finish on shapes and irregular surfaces
- Aggressive action, high stock removal rates
- Ideal when added performance and longer life are required

- Fat Boy Type 29

- Less down time for disc changes

Ideal for metal grinding and polishing, especially for weld bead grinding on fine carbon and stainless steel.



PART NO.	GRADING	MAX. RPM	DISCS/PKG.	DISCS/CASE
<b>4-1/2" x 5/8"-11 Nut – Type 27</b>				
05539564060	36 XC 1176	13,000	5	5
05539564061	40 XC 1176	13,000	5	5
05539564062	60 XC 1176	13,000	5	5
05539564063	80 XC 1176	13,000	5	5

continued

Ask your Carborundum/Merit distributor about our complete line of Merit Grind-O-Flex flap wheels, or visit [www.meritabrasives.com](http://www.meritabrasives.com)



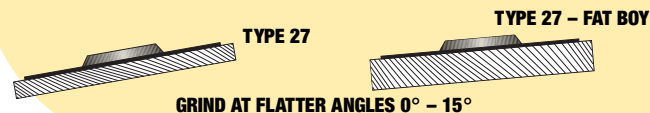
PART NO.	GRADING	MAX. RPM	DISCS/PKG.	DISCS/CASE
<b>4-1/2" x 7/8" – Type 27</b>				
05539563741	36 XC 1176	13,000	5	5
05539563742	40 XC 1176	13,000	5	5
05539563743	60 XC 1176	13,000	5	5
05539563744	80 XC 1176	13,000	5	5
05539563745	120 XC 1176	13,000	5	5
<b>7" x 5/8"-11 Nut – Type 27</b>				
05539564056	36 XC 1176	8,600	5	5
05539564057	40 XC 1176	8,600	5	5
05539564058	60 XC 1176	8,600	5	5
<b>7" x 7/8" – Type 27</b>				
05539563746	36 XC 1176	8,600	5	5
05539563747	40 XC 1176	8,600	5	5
05539563748	60 XC 1176	8,600	5	5
<b>4-1/2" x 7/8" – Type 27 Plastic</b>				
05539567811	40 XC 1176 Plastic	13,000	10	10
05539567812	60 XC 1176 Plastic	13,000	10	10
05539567813	80 XC 1176 Plastic	13,000	10	10
<b>5" x 7/8" – Type 27 Plastic</b>				
05539570054	40 XC 1176	12,000	10	10
05539570055	60 XC 1176	12,000	10	10
05539570056	80 XC 1176	12,000	10	10
<b>7" x 7/8" – Type 27 Plastic</b>				
05539570057	40 XC 1176	8,600	10	10
05539570058	60 XC 1176	8,600	10	10
05539570059	80 XC 1176	8,600	10	10

continued

## Two Basic Flap Discs Designs

### TYPE 27 FLAT – THE CHOICE FOR THE BEST FINISH

- The Type 27 flap discs have a flat design and are used primarily on flat surfaces
- The best choice for smooth finishing
- Also available in Fat Boy sizes with extra large flaps lasting up to 40% longer than standard flap discs



### TYPE 29 CONICAL – THE MOST AGGRESSIVE CHOICE

- Conical flap discs have flaps angled at 10° and may be used on both conical and flat surfaces
- The angle provides greater surface contact and, as a result, tends to be the most aggressive choice
- Also available in Fat Boy sizes with extra large flaps lasting up to 40% longer than standard flap discs
- The best choice when speed and stock removal are primary considerations

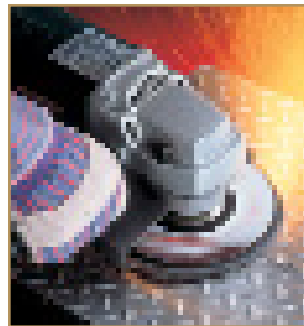


## Premier Red Zirconia Alumina Resin Cloth (cont'd)

PART NO.	GRADING		MAX. RPM	DISCS/PKG.	DISCS/CASE
<b>4-1/2" x 5/8"-11 Nut – Type 27 Fat Boy</b> <b>NEW!</b>					
66261068838	40	XC 1176	12,000	5	5
66261068846	60	XC 1176	12,000	5	5
66261068848	80	XC 1176	12,000	5	5
<b>4-1/2" x 7/8" – Type 27 Fat Boy</b>					
05539563929	40	XC 1176	12,000	5	5
05539563930	60	XC 1176	12,000	5	5
05539563931	80	XC 1176	12,000	5	5
<b>7" x 5/8"-11 Nut – Type 27 Fat Boy</b> <b>NEW!</b>					
05539570542	40	XC 1176	8,600	5	5
05539570543	60	XC 1176	8,600	5	5
05539570544	80	XC 1176	8,600	5	5
<b>4" x 5/8" – Type 29</b>					
05539518617	36	XC 1176	15,000	5	5
05539518616	40	XC 1176	15,000	5	5
05539518615	60	XC 1176	15,000	5	5
05539518613	80	XC 1176	15,000	5	5
05539518610	120	XC 1176	15,000	5	5
<b>4-1/2" x 5/8"-11 Nut – Type 29</b>					
05539520348	36	XC 1176	13,000	5	5
05539520347	40	XC 1176	13,000	5	5
05539520346	60	XC 1176	13,000	5	5
05539520345	80	XC 1176	13,000	5	5
<b>4-1/2" x 7/8" – Type 29</b>					
05539518624	24	XC 1176	13,000	5	5
05539518623	36	XC 1176	13,000	5	5
05539518622	40	XC 1176	13,000	5	5
05539518621	60	XC 1176	13,000	5	5
05539518620	80	XC 1176	13,000	5	5
05539518619	120	XC 1176	13,000	5	5

PART NO.	GRADING		MAX. RPM	DISCS/PKG.	DISCS/CASE
<b>5" x 7/8" – Type 29</b>					
05539518629	36	XC 1176	12,000	5	5
05539518628	40	XC 1176	12,000	5	5
05539518627	60	XC 1176	12,000	5	5
05539518626	80	XC 1176	12,000	5	5
<b>7" x 5/8"-11 Nut – Type 29</b>					
05539518642	24	XC 1176	8,600	5	5
05539518641	36	XC 1176	8,600	5	5
05539518640	40	XC 1176	8,600	5	5
05539518639	60	XC 1176	8,600	5	5
05539518638	80	XC 1176	8,600	5	5
<b>7" x 7/8" – Type 29</b>					
05539518635	36	XC 1176	8,600	5	5
05539518634	40	XC 1176	8,600	5	5
05539518633	60	XC 1176	8,600	5	5
05539518632	80	XC 1176	8,600	5	5
05539518631	120	XC 1176	8,600	5	5
<b>4-1/2" x 5/8"-11 Nut – Type 29 Fat Boy</b>					
05539570539	40	XC 1176	12,000	5	5
05539570540	60	XC 1176	12,000	5	5
05539570541	80	XC 1176	12,000	5	5

Ask your Carborundum/Merit distributor about our complete line of Merit Grind-O-Flex flap wheels, or visit [www.meritabrasives.com](http://www.meritabrasives.com)



### TechTip

- Use one grit size coarser than fiber discs, except in 36 grit.
- Operate Type 29 (regular and Fat Boy) flap discs at a 15° – 25° angle; operate Type 27 (Regular, Plastic and Fat Boy) flap discs at an angle less than 15°; more severe angles will weaken flap edges.



It is the user's responsibility to refer to and comply with ANSI B7.7

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## 30 Spec Check

### STARTING RECOMMENDATIONS BY MATERIAL

MATERIAL	HEAVY DUTY	FINE FINISHES
CARBON AND STAINLESS STEEL AND OTHER TOUGH APPLICATIONS	XC 1176 – TYPE 29	XC 1176 – TYPE 27 PLASTIC
OTHER FERROUS AND NON-FERROUS MATERIALS	XC 1176 – TYPE 29	XC 1176 – TYPE 27

## Flap Disc Competitive Cross Reference

CARBORUNDUM	DEWALT	GARRYSOON	GEMTEX	KLINGSPOR	PFERD	SAIT	3M	WALTER	WEILER
XC 1176 PLASTIC	–	ZIRC+	–	–	–	–	747D REGALITE	ENDUROFLEX	–
XC 1176	ZIRC	ZIRC	ZIRC	SMT626	POLIFAN	SAITLAM F ZH	563D	QUICK STEP	TIGER, BIG CAT

## Aluminum Oxide Resin Cloth

### Features

- P-graded, brown aluminum oxide abrasive
- Advanced full resin bond system
- JCF 0852: orange J-weight backing with increased flexibility
- Dispenser boxed

### Benefits

- Tough and durable
- Exceptional grain adhesion for longer life
- Superior conformability to complex surfaces and better finishes
- Convenience; cut or tear to length

*Ideal for cleaning and deburring metal surfaces. May be used dry or with oil.*



PART NO.	GRADING	ROLLS/PKG.	ROLLS/CASE
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### 1" x 10 Yards – Handy Rolls

05539529317	P80	JCF 0852	1	5
05539529316	P100	JCF 0852	1	5
05539529315	P120	JCF 0852	1	5
05539529314	P150	JCF 0852	1	5
05539529313	P180	JCF 0852	1	5
05539529312	P240	JCF 0852	1	5
05539529311	P320	JCF 0852	1	5

### 1" x 50 Yards – Economy Rolls

05539510141	P60	XC 0851	1	5
05539529328	P80	JCF 0852	1	5
05539529327	P100	JCF 0852	1	5
05539529326	P120	JCF 0852	1	5
05539529325	P150	JCF 0852	1	5
05539529324	P180	JCF 0852	1	5
05539529323	P220	JCF 0852	1	5
05539529322	P240	JCF 0852	1	5
05539529321	P280	JCF 0852	1	5
05539529320	P320	JCF 0852	1	5
05539529319	P400	JCF 0852	1	5
05539529318	P600	JCF 0852	1	5

### 1-1/2" x 50 Yards – Economy Rolls

05539510945	P50	XC 0851	1	5
05539510947	P60	XC 0851	1	5
05539529339	P80	JCF 0852	1	5
05539529338	P100	JCF 0852	1	5
05539529337	P120	JCF 0852	1	5
05539529336	P150	JCF 0852	1	5
05539529335	P180	JCF 0852	1	5
05539529334	P220	JCF 0852	1	5
05539529333	P240	JCF 0852	1	5
05539529332	P280	JCF 0852	1	5
05539529331	P320	JCF 0852	1	5
05539529330	P400	JCF 0852	1	5
05539529329	P600	JCF 0852	1	5



PART NO.	GRADING	ROLLS/PKG.	ROLLS/CASE
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### 2" x 50 Yards – Economy Rolls

05539510585	P40	XC 0851	1	5
05539511102	P50	XC 0851	1	5
05539510340	P60	XC 0851	1	5
05539529350	P80	JCF 0852	1	5
05539529349	P100	JCF 0852	1	5
05539529348	P120	JCF 0852	1	5
05539529347	P150	JCF 0852	1	5
05539529346	P180	JCF 0852	1	5
05539529345	P220	JCF 0852	1	5
05539529344	P240	JCF 0852	1	5
05539529343	P280	JCF 0852	1	5
05539529342	P320	JCF 0852	1	5
05539529341	P400	JCF 0852	1	5
05539529340	P600	JCF 0852	1	5

### TechTip

Use light machine oil with cloth rolls as a lubricant for finer finishes and quicker cut.



*It is the user's responsibility to refer to and comply with ANSI B7.7*



## FastTrack Roll Service

### Product Availability

- XC 0877 Aluminum Oxide Resin Cloth, 36-240, 320
- JCF 0852 Aluminum Oxide Resin Cloth P80-P320, P400, P600

### Quantity Availability

WIDTH	MINIMUM QTY.	MAXIMUM QTY.
2" to < 3"	6 rolls	12 rolls
3" to < 4"	4 rolls	8 rolls
4" to < 5"	3 rolls	6 rolls
5" through 6"	2 rolls	4 rolls
> 6" through 12"	1 roll	2 rolls

### Conversion Time

- 5 days

### Size Availability

- Widths: 2" – 12"
- Lengths: 50 yards

### Ordering is Easy!

- Call your distributor for FastTrack roll guidelines.
- Include a full description of roll required, including: size, specification, grit size and quantity



## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Stick-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize and an open coat

### Benefits

- Consistent scratch pattern and finish
- Improved grain adhesion and longest life
- 50% – 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Easy application and removal
- Superior load resistance and extended life
- No color transfer to work

Best choice for paints, primers, plastics, fiberglass, wood and sealer sanding.



PART NO.	GRADING		ROLLS/PKG.	ROLLS/CASE
<b>2-3/4" x 25 Yards</b>				
05539520340	P80	B 0912 DO	1	5
<b>2-3/4" x 30 Yards</b>				
05539520339	P100	B 0912 DO	1	5
05539520338	P120	B 0912 DO	1	5
<b>2-3/4" x 45 Yards</b>				
05539520337	P150	B 0912 DO	1	5
05539520336	P180	B 0912 DO	1	5
05539520335	P220	B 0912 DO	1	5
05539520334	P240	B 0912 DO	1	5
05539520333	P320	B 0912 DO	1	5
05539520332	P400	B 0912 DO	1	5
77696043558	P600	B 0912 DO	1	5
<b>4-1/2" x 10 Yards</b>				
05539561116	P80	B 0912 DO	1	5
05539561115*	P100	B 0912 DO	1	60
05539561114	P120	B 0912 DO	1	5
05539561113	P150	B 0912 DO	1	5
05539561112	P180	B 0912 DO	1	5
05539561111	P220	B 0912 DO	1	5

\* Non-stock. Ask your Carborundum representative for current lead times.

## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Stick-On

### Features

- Premium, P-graded, light brown aluminum oxide abrasive
- Durable, C-weight backing
- PSA (pressure sensitive adhesive) backing
- Special, undyed stearate oversize and an open coat

### Benefits

- Fast cut, long life
- High tear resistance
- Easy application and removal
- Excellent load resistance
- No pigment transfer

Ideal for sanding paints, primers, plastics and fiberglass as well as whitewood sanding, clean-up and repair.



PART NO.	GRADING		ROLLS/PKG.	ROLLS/CASE
<b>2-3/4" x 20 Yards</b>				
05539570528	P80	C 0712 DO	1	5
<b>2-3/4" x 25 Yards</b>				
05539570527	P150	C 0712 DO	1	5
05539570526	P180	C 0712 DO	1	5
05539570525	P220	C 0712 DO	1	5
05539570524	P320	C 0712 DO	1	5
05539570523	P400	C 0712 DO	1	5

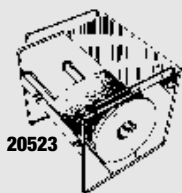
## Dispenser and Sanding Block for Stick-On Rolls

### Dispenser

This portable Stick-On roll dispenser is a convenient way to unwind the rolls and tear to the desired length. It can be used with all 2-3/4" PSA Stick-On rolls.

### Sanding Block

Rectangular sanding block for hand sanding with Stick-On rolls.



PART NO.	DESCRIPTION	PRODUCT/CASE
<b>Stick-On Roll Dispenser</b>		
05539520523	Stick-On Roll Dispenser	1
<b>Sanding Block for Stick-On Rolls</b>		
05539512031	2-3/4" x 5-1/2" Sanding Block	1

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Ultra fine grit P1000, P1200, and P1500
- Full resin bond system
- Unique fiber-reinforced, B-weight, latex-saturated backing
- Special, undyed stearate oversize and an open coat

### Benefits

- Consistent finish without a deep scratch
- Excellent cut rate and total cut, while minimizing loading = maximum life
- Creates fine finishes
- Improved grain adhesion and longest life
- 50% – 60% improvement in tear strength, superior resistance to delamination
- Flexible; can be used wet
- Superior load resistance and extended life
- No color transfer to work

Ultimate choice for machine and hand sanding of paints, primers, light metals and basecoat/clearcoat paints.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>3-2/3" x 9"</b>			
05539528325*	P80 B 0912 DO	100	500*
<b>9" x 11"</b>			
05539520538	P80 B 0912 DO	50	250
05539520537	P100 B 0912 DO	100	500
05539520536	P120 B 0912 DO	100	500
05539520535	P150 B 0912 DO	100	500
05539520534	P180 B 0912 DO	100	500
05539520533	P220 B 0912 DO	100	500

continued



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11" (continued)</b>			
05539520532	P240 B 0912 DO	100	500
05539520531	P280 B 0912 DO	100	500
05539520530	P320 B 0912 DO	100	500
05539520529	P400 B 0912 DO	100	500
05539563785	P500 B 0912 DO	100	500
05539520528	P600 B 0912 DO	100	500
05539514148	P800 B 0712 DO	100	500
05539520527	P1000 B 0712 DO	100	500
05539520526	P1200 B 0712 DO	100	500
05539520524	P1500 B 0712 DO	100	500

\*Non-stock. Minimum order quantity for this item is 2000. Ask your Carborundum representative for current lead times.

## Carbo Gold Aluminum Oxide Dri-Lube Paper Open

### Features

- P-graded, light brown, aluminum oxide abrasive
- A-weight paper
- Stearate oversize

### Benefits

- Fast cut, long life with consistent finish
- Increased flexibility
- Improved load resistance

For hand and machine sanding of paint, primer, plastics and fiberglass, as well as whitewood clean-up and repair.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>			
05539530479	P80 A 0711 DO	50	250
05539530478	P100 A 0711 DO	100	500
05539530477	P120 A 0711 DO	100	500
05539530480	P150 A 0711 DO	100	500
05539530476	P180 A 0711 DO	100	500
05539530475	P220 A 0711 DO	100	500
05539530474	P240 A 0711 DO	100	500
05539530472	P320 A 0711 DO	100	500
05539530471	P400 A 0711 DO	100	500
05539530470	P600 A 0711 DO	100	500

## Silicon Carbide Dri-Lube Paper Open

### Features

- Silicon carbide abrasive
- Heavy B-weight paper

### Benefits

- Sharp cut, excellent finish
- Strong; minimum edge wear
- Tear resistance

For hand and machine sanding paint and primer, as well as whitewood clean-up and sealer sanding.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>			
05539510819	80 B 0411 DO	50	250
05539510818	100 B 0411 DO	100	500
05539510817	120 B 0411 DO	100	500
05539510816	150 B 0411 DO	100	500
05539510815	180 B 0411 DO	100	500
05539510814	220 B 0411 DO	100	500
05539510813	240 B 0411 DO	100	500
05539510812	280 B 0411 DO	100	500
05539510810	320 B 0411 DO	100	500
05539510808	400 B 0411 DO	100	500

# Waterproof Paper Sheets

**NEW!**

## Premier Red Mirror Finish Aluminum Oxide Waterproof Paper

### Features

- Premium, P-graded, heat-treated aluminum oxide abrasive
- Strong, resin bond system
- B-weight, high-latex, waterproof paper backing

### Benefits

- Ultimate cut and life in wet applications
- Long life in wet applications
- Ultimate flexibility
- Wet-curl resistance
- Environmentally stable, resists humidity-caused curling

*Ideal for removing surface imperfections in acrylic lacquers, enamels, urethanes and clearcoats. Use wet for best results.*



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539563888	P220	BF 0916 W	5	250
05539563887	P240	BF 0916 W	5	250
05539563885	P320	BF 0916 W	5	250
05539563884	P400	BF 0916 W	5	250
05539563883	P500	BF 0916 W	5	250
05539563882	P600	BF 0916 W	5	250
05539563881	P800	BF 0716 W	5	250

## Premier Red Mirror Finish Silicon Carbide Waterproof Paper

### Features

- Premium, ultra fine (1000-2000 grits), silicon carbide abrasive
- Full resin bond
- A-weight waterproof paper backing

### Benefits

- Ultimate finish in wet applications
- Longer life in wet applications
- Ultimate flexibility
- Wet-curl resistance
- Environmentally stable; resists humidity-caused curling

*Ideal for producing very fine finishes in wet applications.*



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539563880	1000	AF 0415 W	50	250
05539563879	1200	AF 0415 W	50	250
05539563878	1500	AF 0415 W	50	250
05539563877	2000	AF 0415 W	50	250

## Red-Back Silicon Carbide Waterproof Paper

### Features

- Sharp, strong silicon carbide abrasive
- Full resin bond
- A-weight waterproof paper backing

### Benefits

- Exceptional finishes in wet applications
- Longer life in wet applications
- Extremely flexible
- Wet-curl resistance
- Environmentally stable; resists humidity-caused curling

*Exceptional finishing in wet applications.*



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539563866	220	AF 0416 W	50	250
05539563865	240	AF 0416 W	50	250
05539563864	280	AF 0416 W	50	250
05539563863	320	AF 0416 W	50	250
05539563862	360	AF 0416 W	50	250
05539563861	400	AF 0416 W	50	250
05539563860	500	AF 0416 W	50	250
05539563859	600	AF 0416 W	50	250

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## 34 Silicon Carbide Waterproof Paper

### Features

- Silicon carbide abrasive
- Resin bond
- Waterproof paper backing

### Benefits

- Ideal for finish sanding
- Excellent grain adhesion
- Strength and resistance to deterioration when used wet

*May be used wet or dry on plastic or painted surfaces. Best results are obtained when used wet. Excellent for machine and hand rubbing of lacquer, urethane and varathane between coats. Ideal for obtaining fine finishes and feather-edging painted surfaces.*



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539510798	60	C 0414 W	50	250
05539510797	80	C 0414 W	50	250
05539510796	100	C 0414 W	50	250
05539510795	120	C 0414 W	50	250
05539510794	150	C 0414 W	50	250
05539510793	180	C 0414 W	50	250



## Aluminum Oxide Paper Open

### Features

- P-graded, aluminum oxide abrasive

Ideal for general duty dry sanding of paint, primers, light metals and woods.

### Benefits

- Tough and durable



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>3-2/3" x 9"</b>				
05539510881	P80	D 0811 O	100	1000
05539510880	P100	C 0811 O	100	1000
05539510879	P120	C 0811 O	100	1000
05539510878*	P150	C 0811 O	100	1000*
05539510412*	P220	A 0811 O	100	1000*

PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539510876	P36	D 0811 O	25	125
05539510875	P40	D 0811 O	25	125
05539510874	P50	D 0811 O	50	250
05539510873	P60	D 0811 O	50	250
05539510872	P80	D 0811 O	50	250
05539510871	P100	C 0811 O	100	500
05539510870	P120	C 0811 O	100	500
05539510868	P150	C 0811 O	100	500
05539510862	P180	A 0811 O	100	500
05539510861	P220	A 0811 O	100	500
05539510860*	P240	A 0811 O	100	500*
05539510859*	P320	A 0811 O	100	500*

\*Non-stock. Minimum order quantity is 2000.

Ask your Carborundum representative for current lead times.

## Garnet Paper Open

### Features

- Natural garnet abrasive
- Unique bond system

For hand and machine sanding of whitewood.

### Benefits

- Sharp and consistent cutting action
- Durable



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>				
05539510854*	50	D 0311 O	50	250*
05539510853	60	C 0311 O	50	250
05539510852	80	C 0311 O	50	250
05539510851	100	C 0311 O	100	500
05539510850	120	C 0311 O	100	500
05539510849	150	C 0311 O	100	500
05539510848	80	A 0311 O	50	250
05539510847	100	A 0311 O	100	500
05539510846	120	A 0311 O	100	500
05539510845	150	A 0311 O	100	500
05539510844	180	A 0311 O	100	500
05539510843	220	A 0311 O	100	500
05539510842	240	A 0311 O	100	500
05539510841*	280	A 0311 O	100	500*

\*Non-stock. Minimum order quantity is 1000.

Ask your Carborundum representative for current lead times.

## Emery Polishing Paper

### Features

- Ultra fine emery powder

Ideal for all fine metal polishing applications.

### Benefits

- Least aggressive cut



PART NO.	GRADING		SHEETS/PKG.	SHEETS/CASE
<b>9" x 13-3/4"</b>				
05539512325*	0	C 0210	100	1000*
05539512323	2 / 0	C 0210	100	500
05539512322	3 / 0	C 0210	100	500
05539512321	4 / 0	C 0210	100	500

\*Non-stock. Minimum order for this non-stock item is 1000.

Ask your Carborundum representative for current lead times.

COATED

35



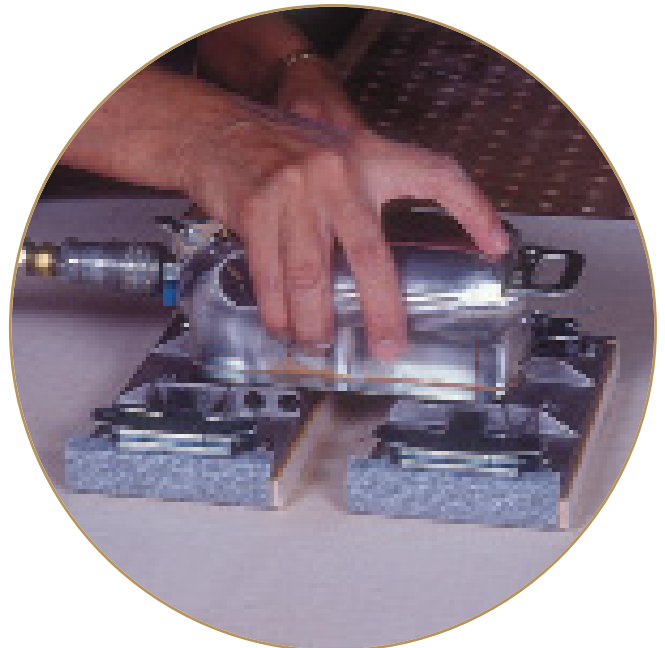
## Spec Check

### PAPER SHEET STARTING RECOMMENDATIONS BY MATERIAL/APPLICATION

MATERIAL	BEST PERFORMANCE	GENERAL DUTY
UNFINISHED METAL	B 0912 DO / B 0712 DO	A 0711 DO, D 0811 O, C 0811 O, A 0811 O
PRIMED AND PAINTED SURFACES	B 0912 DO / B 0712 DO	A 0711 DO, D 0811 O, C 0811 O, A 0811 O
FIBERGLASS / COMPOSITES	B 0912 DO / B 0712 DO	A 0711 DO
BARE WOOD	B 0912 DO / B 0712 DO, A 0711 DO	A 0311 O, C 0311 O, D 0311 O, D 0811 O, C 0811 O, A 0811 O
CLEAR AND COAT SANDING	AF 0415 W	
SEALER SANDING	B 0912 DO / B 0712 DO, A 0711 DO	B 0411 DO
LACQUER SANDING	AF 0415 W, AF 0416 W	C 0414 W, B 0912 DO / B 0712 DO, BF 0916 W
WET SANDING	AF 0415 W, AF 0416 W	C 0414 W, B 0912 DO / B 0712 DO, BF 0916 W
PAINT STRIPPING	B 0912 DO / B 0712 DO	
DRYWALL SANDING	M 0405 W	
FINE METAL POLISHING	C 0210	

## Paper Sheet Competitive Cross Reference

CARBORUNDUM	3M	HERMES	KLINGSPOR	MIRKA	VSM
A 0311 O	110N	-	-	-	-
A 0711 DO	316U	-	PL36	GOLDFLEX	-
A 0811 O	210N, 210U	HFB	PL31	-	-
AF 0415 W	401Q	WSFLEX18B	PS11	WATERPROOF (A)	CP918A
AF 0416 W	413Q	WSFLEX18B	PS11	WATERPROOF (A)	CP918A
B 0411 DO	415U, 415N	-	PL35	CARAT(B)	-
B 0912 DO, B 0712 DO	214U, 216U, 334U, 734U	HC133, HCAB	PS33	ROYAL, ROYAL MICRO	-
BF 0916 W, BF 0716 W	213Q	-	PS12	-	-
C 0210	041N	-	-	-	-
C 0311 O	130N	GCAB	-	-	-
C 0414 W	438Q, 431Q	WSFLEX18C	PS11	-	CP918C
C 0811 O	230N	HFB	PL31	-	KP31B
D 0311 O	140N	GCAB	-	-	-
D 0811 O	230U, 240N, 346U	-	-	-	KP31C



## Emery Cloth

### Features

- Natural emery abrasive
- Flexible, cotton backing

### Benefits

- Soft by nature, for light abrading and sanding
- Follows shapes and contours

Used for removing light burrs and cleaning and polishing metals. May be used dry or with oil.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>			
05539510887	Coarse JC 0250	25	125
05539510886	Medium JC 0250	50	250
05539510885	Fine JC 0250	50	250

## Aluminum Oxide Resin Cloth

### Features

- P-graded, aluminum oxide abrasive
- Advanced full resin bond system
- JCF 0852: orange, J-weight backing with increased flexibility

### Benefits

- Tough and durable
- Exceptional grain adhesion for long life
- Superior conformability to complex surfaces and better finishes

Ideal for hand sanding, deburring, polishing and removing cutting tool marks on all metal parts.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>			
05539510988	P40 XC 0851	25	125
05539511103	P50 XC 0851	25	125
05539511143	P60 XC 0851	25	125
05539529361	P80 JCF 0852	25	125
05539529360	P100 JCF 0852	50	250
05539529359	P120 JCF 0852	50	250
05539529358	P150 JCF 0852	50	250
05539529357	P180 JCF 0852	50	250
05539529356	P220 JCF 0852	50	250
05539529355	P240 JCF 0852	50	250
05539529354	P280 JCF 0852	50	250
05539529353	P320 JCF 0852	50	250
05539529352	P400 JCF 0852	50	250
05539529351	P600 JCF 0852	50	250

## Silicon Carbide Waterproof Sandscreen

### Features

- Black, silicon carbide abrasive
- P-graded in 220 and coarser grits
- Full resin bond system
- Screen backing

### Benefits

- Very sharp and hard, but brittle
- Provides consistent finishes
- Maximum grain adhesion
- Load resistant
- Both sides are usable

Ideally suited for floorsanding, drywall, ceramics and wet deck sanding. May be used wet or dry.



PART NO.	GRADING	SHEETS/PKG.	SHEETS/CASE
<b>9" x 11"</b>			
05539512316	P80 M 0405 W	25	125
05539512315	P100 M 0405 W	25	125
05539512314	P120 M 0405 W	25	125
05539512313	P150 M 0405 W	25	125
05539512312	P180 M 0405 W	25	125
05539512310	P220 M 0405 W	25	125
05539512308	320 M 0405 W	25	125
05539512307	400 M 0405 W	25	125

## Spec Check

### CLOTH SHEET STARTING RECOMMENDATIONS

CUT RATE	FINISH	SPEC
WATERPROOF	LOAD RESISTANT	M 0405 W
FAST CUT	GENERAL FINISH	JCF 0852
SLOW CUT	FINE FINISH	JC 0250

## Cloth Sheet Competitive Cross Reference

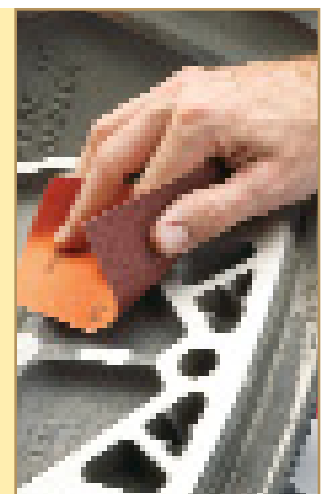
CARBORUNDUM	3M	HERMES	KLINGSPOR	SIA	VSM
JC 0250	011K CRYSTAL BAY		KL371	C680J	-
XC 0851	311T THREE-M-ITE BG 211K ELECTROCUT	RB317LX	CS310X	-	KK504X
JCF 0852	211K THREE-M-ITE 311K THREE-M-ITE	RB232J	KL361	2947J	KK504J KK504X
M 0405 W	481W	-	-	-	-

## TechTip

Use light machine oil with cloth sheets as a lubricant for finer finishes and quicker cut.



It is the user's responsibility to refer to and comply with ANSI B7.7



# Fibratex Hand Pads

## Hand Pads

### Features

- Non-woven nylon, low density pads impregnated with abrasive grain
- Numerous specifications

### Benefits

- Excellent conformability and flexibility
- Easy to fold
- Replacement for steel wool and wire brushes

COARSER  
ACTING FOR  
GENERAL  
CLEANING

#### Brown - 05539574000

A heavy-duty, medium grit aluminum oxide pad for aggressive action where a stiffer, coarser pad is required.

#### Gray - 05539574600

A medium grit, silicon carbide pad, with an open web structure primarily used for all types of blending applications, especially on stainless steel.

#### Green - 05539579600

A very fine grit aluminum oxide pad for general clean-up as well as finishing stainless steel.

#### Maroon - 05539577700

A very fine grit, aluminum oxide pad with a fast initial cut rate for cleaning, deburring, corrosion and oxidation removal.

#### Maroon - 05539574700 / 05539584700

Very fine, aluminum oxide pads for general cleaning and finishing, removal of rust and oxidation from metals, and lightly sanding old paint or new primers. No color bleeding when working with solvents. 84700 is perforated to create two smaller 4-1/2" x 6" pads.

#### Light Green - 05539569600

A very fine grit, aluminum oxide pad for general purpose cleaning in food processing plants and sanitary preparations.

#### Gray - 05539563500

An ultra fine grit, silicon carbide pad for denubbing between finish coats, as well as lacquer rubbing.

#### Gray - 05539574800 Improved!

A micro fine grit, silicon carbide pad for light cleaning steel and non-steel, defuzzing wood and final rubbing. Softer acting, more flexible. Consistent, finer finishes.

#### Gold - 05539530893 New!

Microfine aluminum oxide conformable pad for finest finishes. Scratch pattern equal to 1,200 grit and finer. Also, for scuffing clear coats and gel coats, light cleaning and blemish repair.

#### White - 05539545600

For general clean-up, light primer rub down and paint overspray removal. Softer acting, more flexible. Non-abrasive.



PART NO.	GRIT/ABRASIVE	COLOR	PADS/CASE
<b>6" x 9"</b>			
05539574000	Medium A/O	Brown	40
05539574600	Medium S/C	Gray	40
05539579600	VF A/O Scouring	Green	60
05539577700	Very Fine A/O Long Life	Maroon	60
05539574700	Very Fine A/O Gen. Purp.	Maroon	<b>BEST</b> 60
05539584700	VF A/O G/P Perforated	Maroon	<b>BEST</b> 60
05539569600	VF A/O Food Pro	Lt. Green	2,880*
05539563500	Ultra Fine S/C	Gray	60
05539574800	Micro Fine S/C	Gray	60
05539530893+	Clean & Blend Prep	Gold	30+
05539545600	Non-Abrasive	White	60

\*Supplied in pallet quantity only. +Non-stock. Ask for current lead-times.

PART NO.	DESCRIPTION	HOLDERS/CASE
<b>Hand Pad Holder</b>		
05539562709	Hand Pad Holder	10

COATED

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FINER  
ACTING FOR  
LIGHT  
SCUFFING &  
BLENDING



### TechTip

Fibratex products are non-metallic, won't rust, and are ideal as replacements for steel wool.



It is the user's responsibility to refer to and comply with all safety regulations.

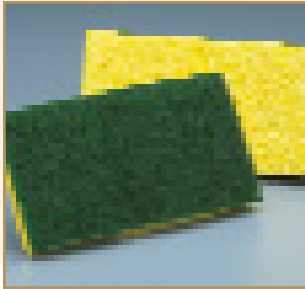
## Fibratex Sponge Pads

### Features

- Durable hand pad material on one side, top quality sponge on the other

### Benefits

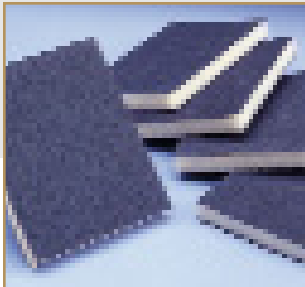
- Allows user to carry fluids to the scrubbing area or pick up liquid after use



*Ideal for general clean-up. Mild acting green, or non-abrasive white Fibratex hand pad material is laminated to a top quality sponge, which allows for the convenience of 2 pads in one.*

PART NO.	GRIT/ABRASIVE	DESCRIPTION	PADS/CASE
<b>3-1/4" x 6-1/4" x 1"</b>			
05539563538	Non-Abrasive	White Clean-N-Sponge Pad	40
05539563537	Very Fine A/O	Green Scour-N-Sponge Pad	40

## Flexible Silicon Carbide Sanding Sponges



*Ideal for sanding sealer and wash coats in wood, and touching-up or repairing of primer.*



PART NO.	GRADING	SPONGES/CASE
<b>4-3/4" x 3-3/4" x 1/2" – Two Sided</b>		
05539513710	100 Coarse Silicon Carbide	250
05539513711	150 Medium Silicon Carbide	250
05539513712	220 Fine Silicon Carbide	250

## EZ Touch Contour Sponges

### Features

- Thin, coated on one side with aluminum oxide or silicon carbide abrasive
- Designed with superior flexibility

### Benefits

- Can be used wet or dry; washable
- Ideal for flat, curved, contoured and hard-to-reach areas



*For hand sanding and uniform finishing of wood, metal, fiberglass, composites, plastics and solid surfaces, and primed, stained, sealed or painted surfaces.*



PART NO.	GRADING	SPONGES/CASE
<b>4-1/2" x 5-1/2" x 3/16" – One Sided</b>		
05539570121	60 Medium Aluminum Oxide	80
05539570122	100 Fine Aluminum Oxide	80
05539570123	180 Super Fine Aluminum Oxide	80
05539570124	220 Ultra Fine Silicon Carbide	80
05539570125	280 Micro Fine Silicon Carbide	80

## EZ Wipe Micro-Fabric Cloth



*Picks up dirt like a magnet with thousands of advanced micro-fabric fibers. Can hold seven times its weight in water. Perfect for fine detailing.*



PART NO.	GRADING	WIPES/PKG.	WIPES/CASE
<b>16" x 16"</b>			
05539564024	Micro-Fabric	1	20

# Stick-On Marine File Strips

## Premier Red Zirconia Alumina Resin Paper Open Stick-On

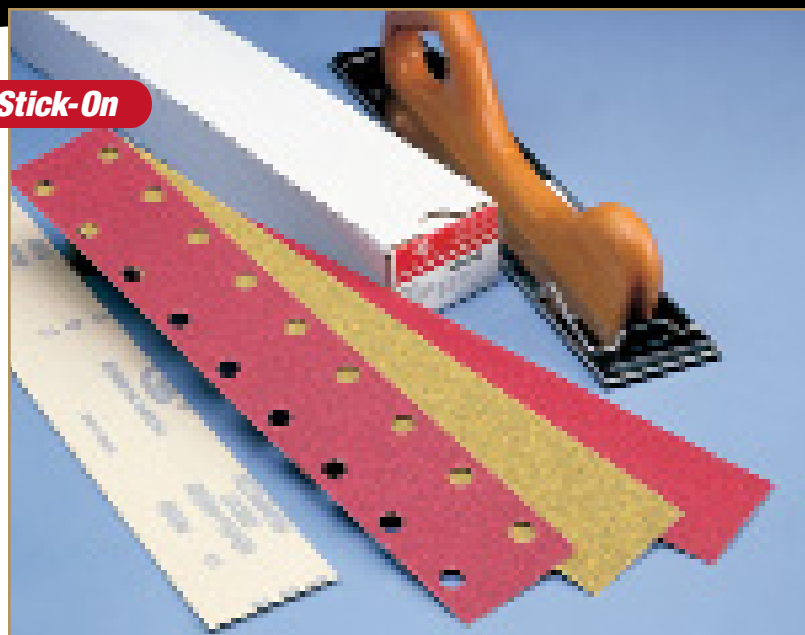
### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing
- PSA (pressure sensitive adhesive) backing

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Flexible
- Easy application and removal

Best choice for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16-1/2"</b>				
05539521338	36	E 1214 O	50	250
05539521337	40	E 1214 O	50	250
05539521336	80	E 1214 O	50	250

For use with File Board #05539512013 on page 43.

## Carbo Gold Aluminum Oxide Resin Paper Open Stick-On

### Features

- P-graded, heat-treated aluminum oxide abrasive
- Resin bond
- E-weight paper backing
- PSA backing

### Benefits

- Fast, aggressive cut with extended life
- Long life
- Resists loading and edge wear
- Strength and durability
- Easy application and removal

Ideal for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16-1/2"</b>				
05539512431	P36	E 0912 O	50	500
05539512430	P40	E 0912 O	50	500
05539512429	P80	E 0912 O	50	500

For use with File Board #05539512013 on page 43.

## Premier Red Zirconia Alumina Resin Paper Open Vacuum Stick-On

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing
- PSA backing
- Vacuum holes

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Flexible
- Easy application and removal
- Dust-free sanding environment

Best choice for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16" Vacuum D-3364</b>				
05539521339	80	E 1214 O	50	250

COATED

40

## Premier Red Zirconia Alumina Resin Paper Open Grip-On

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing
- Hook and loop fastening system

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Flexible
- Easy application and removal
- Can be re-used

Best choice for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16-1/2"</b>				
05539521344	36	E 1214 O	25	125
05539521343	40	E 1214 O	25	125
05539521342	80	E 1214 O	25	125

For use with File Board 05539512014 and File Shoe 05539512015 on page 43.

## Carbo Gold Aluminum Oxide Resin Paper Open Grip-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Resin bond
- E-weight paper backing
- Hook and loop fastening system

### Benefits

- Fast, aggressive cut with extended life
- Long life
- Resists loading and edge wear
- Durable
- Neat, clean application and removal
- Can be re-used

Ideal for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16-1/2"</b>				
05539520243	P40	E 0912 O	50	250
05539520242	P80	E 0912 O	50	250

For use with File Board 05539512014 and File Shoe 05539512015 on page 43.

## Premier Red Aluminum Oxide Dri-Lube Resin Paper Open Grip-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Full resin bond system
- Unique, fiber-reinforced, B-weight paper backing
- Hook and loop fastening system
- Special, undyed stearate oversize and an open coat

### Benefits

- 30% to 50% faster cut rate than other strips
- Consistent scratch pattern and finish
- Improved grain adhesion; longest life
- 50% – 60% improvement in tear strength
- Superior resistance to delamination
- Flexible, can be used wet
- Neat, clean application and removal
- Can be re-used
- Superior load resistance
- No color transfer to work

Blending all paints, primers, plastics and fiberglass.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16-1/2"</b>				
05539520475	P80	B 0912 DO	50	500
05539520474	P100	B 0912 DO	50	500
05539520473	P120	B 0912 DO	50	500
05539520472	P150	B 0912 DO	50	500
05539520471	P180	B 0912 DO	50	500
05539520470	P220	B 0912 DO	50	500

For use with File Board 05539512014 and File Shoe 05539512015 on page 43.

## Premier Red Zirconia Alumina Resin Paper Open Vacuum Grip-On

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing
- Hook and loop fastening system
- Vacuum holes

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Flexible
- Easy application and removal
- Can be re-used
- Dust-free sanding environment

Best choice for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 16" Vacuum D-3364</b>				
05539521345	80	E 1214 O	25	125

# Clip-On Marine File Strips

## Premier Red Zirconia Alumina Resin Paper Open Clip-On

### Features

- Premium zirconia alumina abrasive
- Full phenolic resin bond system plus latex
- E-weight, latex paper backing

### Benefits

- Fast removal rates
- Extended life
- Maximum durability plus flexibility
- Excellent grain adhesion
- Reduced edge shed
- Flexible

Best choice for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 17-1/2"</b>				
05539521350	36	E 1214 O	50	250
05539521349	40	E 1214 O	50	250
05539521348	80	E 1214 O	50	250

For use with File Board #05539512013 on page 43.

## Carbo Gold Aluminum Oxide Resin Paper Open Clip-On

### Features

- P-graded, heat-treated, aluminum oxide abrasive
- Resin bond
- E-weight paper backing

### Benefits

- Fast, aggressive cut with extended life
- Long life, resists loading and edge wear
- Durable

Ideal for blending and shaping all types of marine fillers.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 17-1/2"</b>				
05539512457	P36	E 0912 O	50	500
05539512456	P40	E 0912 O	50	500
05539512454	P80	E 0912 O	50	500

For use with File Board #05539512013 on page 43.

## Aluminum Oxide Paper Open Clip-On

### Features

- P-graded, brown aluminum oxide abrasive

### Benefits

- Tough and durable

For blending and shaping of marine filler.



PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 17-1/2"</b>				
05539510908	P36	D 0811 O	50	500
05539510907	P40	D 0811 O	50	500
05539510906	P60	D 0811 O	50	500
05539510905	P80	D 0811 O	50	500
05539510904	P100	C 0811 O	50	500

For use with File Board #05539512013 on page 43.

## Carbo Gold Aluminum Oxide Dri-Lube Resin Paper Open Clip-On

### Features

- P-graded, light brown aluminum oxide abrasive
- C-weight paper backing
- Special, undyed stearate oversize and an open coat

### Benefits

- Fast, aggressive cut and long life
- Durability plus tear resistance
- Excellent load resistance
- No pigment transfer

Ideal for blending and shaping all types of marine fillers.



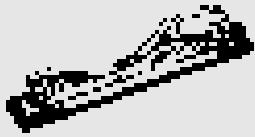
PART NO.	GRADING		STRIPS/PKG.	STRIPS/CASE
<b>2-3/4" x 17-1/2"</b>				
05539510903	P80	C 0712 DO	50	500
05539510902	P100	C 0712 DO	50	500
05539510900	P120	C 0712 DO	50	500
05539510899	P150	C 0712 DO	50	500
05539510898	P180	C 0712 DO	50	500

For use with File Board #05539512013 on page 43.

COATED

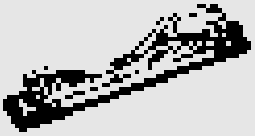
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## Marine Files



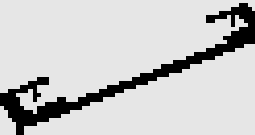
### Hand Marine File Board

Sturdy tool for hand sanding and blending marine filler. Can be used with both Clip-On and Stick-On marine file strips.



### Grip-On Marine File Board

Sturdy tool for hand sanding and blending marine filler. Incorporates a unique hook and loop fastening system. For use with Grip-On marine file strips.



### Grip-On Marine Air File Shoe

For use on orbital air sanders. Grip-On feature eliminates the need for clips, making mounting and removal quick and easy.

PART NO.	DESCRIPTION	FILE BOARDS/PKG.
<b>Hand Marine File Board</b>		
05539512013	Hand File Board	1
<b>Grip-On Marine File Board</b>		
05539512014	2-3/4" x 16-1/2"	1
<b>Grip-On Marine Air File Shoe</b>		
05539512015	2-3/4" x 16-1/2"	1



COATED

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# Coated Abrasive Basics

## How to Read a Coated Abrasive Specification

A coated abrasive product is made up of three basic raw materials: an *abrasive mineral*, the *backing* onto which the abrasive is applied, and an *adhesive bond*. The Carborundum Abrasives coated abrasive marking system includes both a generic and a technical marking.

The generic markings identify the abrasive type, bond, backing, and any special features and/or tradenames. An example would be: *Premier Red Aluminum Oxide Dri-Lube Resin Paper Open*.

The technical markings identify the actual components which make up the product. Technical markings consists of up to 10 parts. An example would be: *P400 B 0912 DO*. The following terminology explains the technical marking system.

## Coated Abrasive Terminology Key

GRADING	GRIT SIZE	BACKING WEIGHT	CLOTH TYPE	BACKING FLEXIBILITY	MINERAL (ABRASIVE)	BACKING	BOND	PERFORMANCE	COATING
P FEPA _ ANSI/CAMI	16 ↕ 2000	PAPER: A B C D E F	B POLY/ COTTON BLEND  C COTTON  P POLY- ESTER	F FLEXIBLE  _ STANDARD	01 CROCUS 02 EMERY 03 GARNET 04 S/C (SILICON CARBIDE) 07 LBA (LIGHT BROWN A/O) 08 A/O (ALUMINUM OXIDE) 09 HT A/O (HEAT-TREATED) 11 ZA (ZIRCONIA ALUMINA) 12 ZA (PREMIUM) 25 CERAMIC ALUMINA	0 MESH 1 PAPER 4 FIBER  CLOTH: 5 MOST FLEXIBLE ↕ 8 LEAST FLEXIBLE	0 GLUE 1 U/G 2 U/U  FULL RESIN: 4 LEAST DURABLE ↕ 7 MOST DURABLE	A ANTI-STATIC  D DRI-LUBE OVERSIZE (ANTI-LOADING)  R REACTIVE OVERSIZE (COOLING, GRINDING AID)  W WASHABLE OR WATERPROOF	O OPEN COAT  _ CLOSED COAT
	CRS MED FINE MICRON	CLOTH: J X Y							
		M MESH V FIBRE							

## Abrasive Types

### EMERY (02)

Emery is a dark gray, round-shaped grain which tends to polish rather than abrade a work surface.

- for polishing and cleaning metal only

### GARNET (03)

Garnet is reddish brown in color. This natural abrasive is medium hard and relatively sharp, but not as durable as synthetic abrasives.

- for use on wood only
- particularly good for soft woods such as pine
- produces an excellent finish

### SILICON CARBIDE (04)

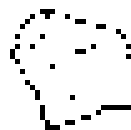
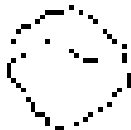
Silicon carbide is the hardest and sharpest of the manufactured abrasives. Because of its extreme sharpness, this bluish-black abrasive grain permits fast stock removal and cool cut.

- cast iron
- non-ferrous metals, i.e. brass, aluminum and bronze
- non-metallics, i.e. glass, rubber, plastic and stone
- final finish on wood and stainless steel
- abrasive planing particleboard

### LIGHT BROWN ALUMINUM OXIDE (07)

Light brown aluminum oxide is a tough, yet sharp, synthetic abrasive characterized by cool cut, long life and the ability to break down under pressure, producing new cutting edges.

- production wood sanding
- non-ferrous metal finishing



### BROWN ALUMINUM OXIDE (08)

Brown aluminum oxide is a tough, durable, synthetic abrasive characterized by the long life and wear resistance of its cutting edges. It offers enormous penetrating strength, even at high speeds.

- ferrous metals
- aluminum
- hardwood

### HEAT-TREATED ALUMINUM OXIDE (09)

Heat-treated aluminum oxide is a tough but cool cutting abrasive which gives both long life and freeness of cut on a wide range of materials.

- ferrous metals
- wood sanding

### ZIRCONIA ALUMINA (11, 12)

Zirconia alumina is an ultra-tough, synthetic abrasive which provides a free, cool cut for high stock removal applications. It is tougher and sharper than aluminum oxide. It has a micro-crystalline structure which allows for controlled breakdown and self-sharpening.

- heavy-duty snagging and grinding of all ferrous and non-ferrous metals
- abrasive planing of wood, plywood and particleboard
- grinding fiberglass, rubber and plastics

### CERAMIC ALUMINA (25)

The sub-micron structure of ceramic alumina allows each grain to continually expose sharp cutting points, resulting in a cooler cutting action and an extended life.

- all ferrous/non-ferrous metals, carbon steel and exotic alloys



## Grit Comparison Chart

AVERAGE PARTICLE SIZE IN MICRONS	GRADING SYSTEMS (OTHER THAN EMERY)			EMERY PRODUCTS
	CAMI	FEPA	JIS	
5.0	-	-	-	-
6.0	-	-	3000	-
6.5	1200	-	2500	4/0
8.4	-	P2500	-	-
8.5	-	-	2000	-
9.2	1000	-	-	3/0
10.3	-	P2000	-	-
10.5	-	-	1500	-
12.2	800	-	1200	-
12.6	-	P1500	-	-
15.0	-	-	-	-
15.3	-	P1200	1000	-
16.0	600	-	-	2/0
18.3	-	P1000	800	-
19.7	500	-	-	0
20.0	-	-	-	-
21.8	-	P800	-	-
23.6	400	-	600	-
25.0	-	-	-	-
25.75	-	P600	-	-
28.8	360	-	500	-
30.0	-	P500	-	-
35.0	-	P400	400	-
36.0	320	-	-	-
40.0	-	-	360	-
40.5	-	P360	-	-
44.0	280	-	-	1
45.0	-	-	-	-
46.2	-	P320	320	-
50.0	-	-	-	-
52.5	-	P280	280	-
53.5	240	-	-	-
55.0	-	-	-	-
58.5	-	P240	-	-
60.0	-	-	240	-
64.0	-	-	-	2
65.0	-	P220	220	-
66.0	220	-	-	-
78.0	180	P180	180	-
79.0	-	-	-	3
93.0	150	-	150	-
95.0	-	-	-	FINE
97.0	-	P150	-	-
116.0	120	-	120	-
127.0	-	P120	100	-
136.0	-	-	-	MEDIUM
141.0	100	-	-	-
156.0	-	P100	-	-
189.0	-	-	-	COARSE
192.0	80	-	80	-
197.0	-	P80	-	-
260.0	-	P60	-	-
268.0	60	-	60	-
326.0	-	P50	50	-
341.0	-	-	-	EX. COARSE
351.0	50	-	-	-
412.0	-	P40	40	-
428.0	40	-	-	-
524.0	-	P36	-	-
535.0	36	-	36	-
622.0	-	P30	-	-
638.0	30	-	30	-
715.0	24	-	-	-
740.0	-	P24	24	-
905.0	20	-	-	-
984.0	-	P20	20	-
1320.0	16	-	16	-
1324.0	-	P16	-	-
1764.0	-	P12	-	-
1842.0	12	-	-	-

## Backing Types

Backings are the base for the abrasive minerals and, combined with the adhesive bond, support and anchor the abrasive mineral. The backings used in the manufacture of coated abrasives are:

### PAPER

Paper is used for a variety of operations from hand sanding to mechanical sanding. It is the least expensive backing. Due to the fine surface of paper, a consistent finish is produced. Paper weights include *A, B, C, D, E* and *F* weights with *A* being the lightest and most flexible and *F* being the heaviest and least flexible. *A, B, C* and *D* weight papers are used for hand sanding and light mechanical operations in the form of sheets, *Grip-On* and *Stick-On* discs and *Stick-On* rolls. *E* and *F* weight papers are primarily used for more aggressive mechanical operations in the form of belts and discs.

### CLOTH

Cloth backings used for coated abrasives are identified by weight. Cloth backings are filled or "finished" with a variety of materials, glues or resins, to create various backing characteristics, most notably flexibility.

There are three basic weights of cloth: *J-weight* or "jeans" is the lightest and most flexible. *X-weight* or "drills" is a heavier cloth that ranges in flexibility, strength and durability and is used on the broadest range of applications. *Y-weight* is a heavyweight drills cloth used on heavy-duty, high stock removal operations. Several cloth types are used: cotton, polyester, and polyester/cotton blends.

### FIBER

Vulcanized fiber (cotton fibers which are chemically treated and then pressed under temperature and pressure to form a very durable backing) is used exclusively as the backing for resin fiber discs.

## Bond Types

An adhesive bond system is required to secure the abrasive mineral to the backing. All coated abrasive products are made with a two stage bonding process. The first layer of bond applied to the backing is called the *make coat*. The make coat provides the adhesive base between the abrasive mineral and the backing.

The second coat is the *size coat*, which is applied over the abrasive mineral and make coat to anchor the abrasive mineral and provide the desired physical strength of the finished product.

*Glue, urea resin, and phenolic resin* are the three basic bonding agents most commonly used. There are many size coat and make coat combinations, such as *glue over glue, urea over glue, and resin over resin*. *Glue over glue* is the most flexible bond while *resin over resin bond* is moisture-resistant, harder, less flexible, heat-resistant and has superior grain retention.

## Coating Types

There are two types of abrasive coatings used in the manufacturing of coated abrasives: *open coat* and *closed coat*.

### OPEN COAT

With an open coat, 50% to 75% of the coated abrasive surface is covered by abrasive grain. There are evenly spaced voids between the particles of grain, helping reduce the effect of loading caused by wood dust or metal particles.



OPEN COAT  
(1/3 LESS GRAIN THAN CLOSED COAT)

### CLOSED COAT

With a closed coat, the entire coated abrasive surface is covered with abrasive grain, with no voids between the particles. This is the most typical coating, permitting the greatest degree of stock removal and longest product life.



CLOSED COAT