

3M Abrasive Systems
Random Orbital Abrasive Disc Portfolio



Sanding & Finishing Solutions

NEW!
Abrasive Discs
see inside



The 3M Value

The **RIGHT**
Abrasives

3M continues to listen to the needs of our customers by adding new abrasive products to the line.

NEW
Products

We recently introduced 3M™ Cubitron™ II 775L and 732U Discs, a revolutionary advancement in abrasive technology featuring triangular-shaped ceramic mineral. As the grain wears, it continually fractures to form sharp points that slice through the substrate, wear evenly, and provide superior cut rate and extra-long life.



Look for this
icon inside!

We have also expanded our offering of 375L, a durable film disc designed to provide long life and excellent finish at an attractive price. Already popular in no-hole and multi-hole formats, we now offer it in our proprietary Clean Sanding hole pattern in grades 60–P400, for superior dust extraction and abrasive performance.

We also continue to improve our product offering by upgrading products to bring improved performance at competitive prices. Try our NEW and IMPROVED 236U discs and see for yourself!

Improved
VALUE

3M continues to build upon its unique dust management technology, the 3M™ Clean Sanding system, by adding more abrasive products and enhancing our 3M™ Power Tools and Accessories, such as the larger HEPA rated filter bag.

Revolutionary
SYSTEM

More
OPTIONS

From pressure-sensitive adhesive coating on the back to traditional hook and loop style abrasives, 3M offers a variety of attachment systems to meet the needs of the industrial consumer.

Availability

Abrasive Systems continues to deliver standard stock items to meet your immediate service needs. However, don't forget that we can also meet your unique needs through our KUT (custom) abrasive offering.

BRAND

For over 100 years, 3M has been a proven leader, providing advanced technology and innovative solutions for the Industrial Market. These solutions deliver increased productivity, enhanced efficiency and improve manufacturing processes.

Discs constructed on a paper backing are available in a variety of weights offering a wide range of value and performance in flexibility, durability and finish. A great choice whether you're doing general purpose sanding or high performance wood finishing.

PAPER

3M™ Random Orbital Discs — PAPER BACKING

General Use

NX Disc

- Aluminum oxide mineral on a C-weight backing (P100–P800) and on a D-weight backing (40, P60 and P80); features a load-resistant coating
- Excellent for sanding on whitewood, primer, paint sealers and topcoats



216U

- Aluminum oxide mineral on an A-weight backing; features a load-resistant coating
- Used for sanding on e-coat, primer, paint, sealers, topcoats, fiberglass, plastics and other light-colored substrates such as whitewood
- Provides good cut and life

210U

- Aluminum oxide mineral on an A-weight backing
- May be used for light sanding on metal; works well on primer, paint, fiberglass, wood and plastics



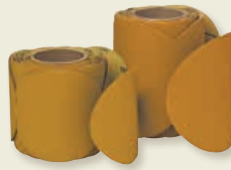
426U

- Silicon carbide mineral on an A-weight backing; features a load-resistant coating
- Excellent for white wood sanding, sealer sanding, solid surface or where fine finish is critical
- Best finishing product

Better

236U

- Premium aluminum oxide mineral on a C-weight backing; features a load-resistant coating
- Excellent for sanding on whitewood, primer, paint, sealers, topcoats, fiberglass and plastics
- Works well where a heavier, more durable paper backing is required

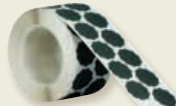


363I

- Premium aluminum oxide mineral on an F-weight backing
- Durable product designed for use on metal or heavy stock removal of wood and composites

401Q and 431Q

- Silicon carbide mineral on an A- or C-weight backing
- Can be run wet or dry on paint, primer, gel coat, metal and wood



Best

732U

- Blend of aluminum oxide and ceramic grain mineral on a C-weight backing
- Extremely fast cut and long life
- Excellent for metalworking applications and coating removal

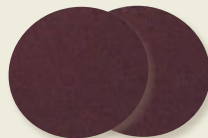


751I/752I

- Blend of premium aluminum oxide and ceramic grain mineral on an E-weight backing
- Durable product for medium to heavy-duty applications; specifically designed for superior resistance to edge-shelling

735U

- Blend of aluminum oxide and ceramic grain mineral on a C-weight backing; features a load-resistant coating
- Premium product with excellent cut rate and life for white wood sanding; also great for D/A sanding on metal substrates



763U

- Blend of premium aluminum oxide and ceramic grain mineral on an F-weight backing
- Great for heavy duty sanding such as paint stripping or D/A applications on metal

Available in a variety of weights, cloth-backed discs are known for their durability and flexibility. A good first choice when working with metal or heavy wood stock removal.

CLOTH

3M™ Random Orbital Discs — CLOTH BACKING

General Use

202DZ

- Aluminum oxide mineral on a J-weight backing; features an antistatic coating
- Designed for durability when flexibility and edge wear is critical; Excellent for sanding wood and metal



Better

341D

- Premium aluminum oxide mineral on an X-weight backing
- Designed for rough operations where a heavy cloth backing is needed, such as heavy stock removal on wood, metal, composites and solid surface materials



348D

- Premium aluminum oxide mineral on an X-weight backing
- Excellent for grinding and D/A sanding on metal



Best

337DC

- Features Trizact™ microreplicated technology
- Designed for use in AOEM body shop applications for blending and finishing scratch marks in white metal repair created by previous grinding or repair steps
- Provides a very fast scratch removal capability combined with a superior finish, leaving the surface ready for e-coat applications
- Outstanding long life



777F

- Blend of premium aluminum oxide and ceramic mineral on a YF-weight backing
- Cloth backing for durability
- Grinding aid for cooler running
- Excellent for use on stainless steel, aluminum and fiberglass



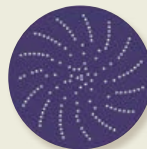
359F

- Premium aluminum oxide mineral on a YF-weight backing
- Resin bonded for heat resistance
- Can be run wet or dry
- Ideal for metalworking applications



900DZ

- Premium ceramic abrasive grain on a J-weight backing
- Combines flexibility, durability and fast cut rates for improving productivity when sanding flats or contours of wood, composites, solid surface and metal



**Now Available
in Hookit!**

Film-backed discs can't be beat for their tear resistance and consistency of finish. This makes them an excellent option when working on paint, e-coats, primers, gel coats, glass, acrylics, wood and solid surface material. Basically anywhere you need the perfect finish every time, film is the best choice.

FILM

3M™ Random Orbital Discs — FILM BACKING

General Use

255L

- Aluminum oxide mineral; features a load-resistant coating
- Construction provides excellent life, fast cut and leaves a consistent finish. Ideal for sanding wood, sealers, fiberglass and plastics



Better

375L

- Premium aluminum oxide mineral
- Provides long life and fast cut
- Excellent for sanding any substrate where durability and finish are desired



360L

- Premium aluminum oxide mineral
- Provides consistent finishing capability; works well on wood, plastics, gel coats and solid surface



Best

775L

- Blend of premium aluminum oxide and ceramic mineral
- The ultimate in long life and fast cut
- Excellent for metalworking applications and coating removal



3M™ Random Orbital Microfinishing Discs — FILM BACKING

General Use

268L

- Aluminum oxide mineral on a durable film backing
- Ideal for sanding plastics, paint, e-coat and wood



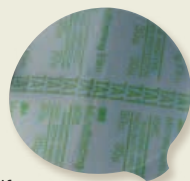
3M™ Trizact™ 268XA

- Features 3M microreplicated technology
- Outstanding for polishing and repairing solid surface, acrylics and glass

Better

468L

- Silicon carbide mineral on a durable film backing
- Ideal for sanding plastics, wood, paint, e-coat and composites; Provides superior finishing and cut rate capability with long life



3M™ Trizact™ 568XA

- Features 3M microreplicated technology
- Excellent for polishing solid surface, acrylics, glass and removing overspray or dirt on topcoats

Best

3M™ Trizact™ 466LA

- Features 3M microreplicated technology
- These discs are used in 3M's two-step, paint defect repair process for automotive finishes



675L

- Diamond mineral
- Designed to improve productivity and reduce the cost of superfinishing hard materials such as thermal spray coatings, ceramics, carbides, chilled iron, granite, composites and more

Product/Grade Availability



Paper Discs

Product	Backing	Stikit™/PSA	Hookit™	Grade																															
				24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500	3000							
NX	D or C	Yes	Yes			A		P	P	P	P	P	P	P	P	P		P		P		P		P											
210U	A	Yes	Yes												P	P	P		P		P	P	P	P											
216U	A	Yes	Limited						P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
236U	C	Yes	Yes							P	P	P	P	P	P	P		P		P	P														
363I	F	Yes	No					A	A	P	P	P	A																						
401Q	A	Yes	Limited																											A	A	A	A	A	
426U	A	Yes	Yes						A	A	A	A	A	A	A	A	A	A		A															
431Q	C	Yes	No								A	A	A	A	A	A		A						A											
732U	C	Yes	Yes																																
735U	C	Yes	Yes																																
751I	E	Yes	Yes																																
752I	E	No	Yes		P		P																												
763U	F	Yes	Yes																																

New & Improved!

New!

Cloth Discs

Product	Backing	Stikit™/PSA	Hookit™	Grade																																
				24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500									
202DZ	J	Yes	No							A	P	P	P	P	P																					
341D	X	Yes	No			A		A	A	A	A	P	P		P																					
348D	X	Yes	No	A	A	A	A	A	A	A	P	P	P	P		P																				
359F	YF	No	Yes								A		P		P																					
777F	YF	Yes	No			A	A	A	A	A		P																								
900DZ	J	Yes	Yes							A	A	P	P	P	P	P																				

New!

Film Discs

Product	Backing	Stikit™/PSA	Hookit™	Grade																																	
				24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	2500										
255L	Film	Yes	Yes							P	P	P	P	P	P	P	P	P		P	P																
360L	Film	Yes	Yes																																		
375L	Film	Yes	Yes																																		
775L	Film	Yes	Yes																																		

Microfinishing/Trizact Discs

Product	Backing	Stikit™/PSA	Hookit™	Micron Grade																																			
				9	15	20	30	40	45	50	60	70	74	80	100	120	125	150	180	220	A3	A5	A7	A10	A20	A30	A35	A45	A65	A100	A160	A300	None						
268L	Film	Yes	Yes	•	•	•	•	•																															
268XA	Film	Yes	No																																				
337DC	Cloth	Limited	Yes																																				
366L	Film	Yes	Yes																																				
466LA	Film	Yes	Yes																																				
468L	Film	Yes	Yes																																				
568XA	Film	Yes	No																																				
675L	Film	Yes	Yes	•																																			

KEY:
A = ANSI (American National Standards Institute) grades P = FEPA (Federation of the European Producers of Abrasives) grades + = 3M™ Cubitron™ II or PSG grade

Select the Right Abrasive Disc for Your Application

Metal Fabrication

	3M ID	Anti-Loading or Grinding Aid	Backing	Application		Material Type			Attachment System		
				Blending	Finishing	Stainless Steel	Aluminum	Carbon Steel	Stikit™/PSA	Hookit™	Clean Sanding
Good	NX	✓	C- & D-Paper	•	•	•	•	•	•	•	
	202DZ		J-Cloth		•		•	•	•	•	
	210U		A-Paper		•			•	•	•	KUT
	216U	✓	A-Paper		•		•	•	•	•	•
	255L	✓	Film		•			•	•	•	•
	426U	✓	A-Paper		•		•	•	•	•	KUT
Better	236U	✓	C-Paper	•	•		•	•	•	•	•
	341D/348D		X-Cloth	•	•	•		•	•	•	•
	360L		Film		•		•	•	•	•	•
	363I		F-Paper	•	•		•	•	•	•	•
	375L	✓	Film	•	•		•	•	•	•	*
Best	337DC	✓	X-Cloth	•	•		•	•	•	•	•
	359F		Y-Cloth	•	•		•	•	•	•	•
	732U		C-Paper	•	•	•	•	•	•	•	•
	735U	✓	C-Paper	•	•		•	•	•	•	•
	751/752I		E-Paper	•	•		•	•	•	•	KUT
	763U		F-Paper	•	•		•	•	•	•	KUT
	775L		Film	•	•	•	•	•	•	•	•
	777F	✓	Y-Cloth	•	•	•	•	•	•	•	•
	900DZ		J-Cloth	•	•		•	•	•	•	•

Woodworking Applications

	3M ID	Anti-Loading or Grinding Aid	Backing	Application			Wood Type		Attachment System		
				Stock Removal	Medium Stock Removal	Finishing	Hardwoods	Softwoods	Stikit™/PSA™	Hookit™	Clean Sanding
Good	NX	✓	C- & D-Paper	•	•	•	•	•	•	•	•
	202DZ		J-Cloth	•	•	•	•	•	•	•	•
	255L	✓	Film	•	•	•	•	•	•	•	•
	426U	✓	A-Paper	•	•	•	•	•	•	•	KUT
Better	236U	✓	C-Paper	•	•	•	•	•	•	•	•
	268L		Film	•	•	•	•	•	•	•	KUT
	375L	✓	Film	•	•	•	•	•	•	•	*
	468L		Film	•	•	•	•	•	•	•	KUT
Best	735U	✓	C-Paper	•	•	•	•	•	•	•	•
	900DZ		J-Cloth	•	•	•	•	•	•	•	•

Composite Applications

	3M ID	Anti-Loading or Grinding Aid	Backing	Application			Material Type		Attachment System		
				Stock Removal	Medium Stock Removal	Finishing	Gelcoat	Composite Matrix (fiberglass, carbon fiber)	Stikit™/PSA	Hookit™	Clean Sanding
Good	NX	✓	C- & D-Paper	•	•	•	•	•	•	•	•
	216U	✓	A-Paper	•	•	•	•	•	•	•	•
Better	236U	✓	C-Paper	•	•	•	•	•	•	•	•
	360L		Film	•	•	•	•	•	•	•	•
	375L	✓	Film	•	•	•	•	•	•	•	*
Best	675L		Film	•	•	•	•	•	•	•	•
	732U		C-Paper	•	•	•	•	•	•	•	•
	735U	✓	C-Paper	•	•	•	•	•	•	•	•
	751/752I		E-Paper	•	•	•	•	•	•	•	KUT
	763U		F-Paper	•	•	•	•	•	•	•	KUT
	775L		Film	•	•	•	•	•	•	•	•
	900DZ		J-Cloth	•	•	•	•	•	•	•	•

Prep for Paint Applications

	3M ID	Anti-Loading or Grinding Aid	Backing	Application		Material Type			Attachment System		
				Stock Removal	Finishing	Metal (cold roll steel)	Plastic Parts	Primer	Stikit™/PSA	Hookit™	Clean Sanding
Good	NX	✓	C- & D-Paper	•	•	•	•	•	•	•	•
	202DZ		J-Cloth	•	•	•			•	•	•
	210U		A-Paper		•			•	•	•	KUT
	216U	✓	A-Paper	•	•		•	•	•	•	•
	255L	✓	Film		•		•	•	•	•	•
Better	236U	✓	C-Paper	•	•		•	•	•	•	•
	268L		Film		•		•	•	•	•	KUT
	360L		Film		•		•	•	•	•	•
	363I		F-Paper	•	•	•			•	•	•
	375L	✓	Film	•	•		•	•	•	•	*
Best	732U		C-Paper	•	•	•	•	•	•	•	•
	735U	✓	C-Paper	•	•	•	•	•	•	•	•
	751I		E-Paper	•	•	•	•	•	•	•	KUT
	763U		F-Paper	•	•	•	•	•	•	•	KUT
	775L		Film	•	•	•	•	•	•	•	•
	900DZ		J-Cloth	•	•	•	•	•	•	•	•

Other

3M ID	Anti-Loading or Grinding Aid	Backing	Application		Attachment System		
			Solid Surface		Stikit™/PSA	Hookit™	Clean Sanding
268XA		Film	•		•	•	
366L	✓	Film	•				KUT
568XA		Film	•		•	•	

*375L Clean Sanding Discs available in grades 60–P400

For more information visit our website
www.3M.com/abrasives

Important Notice to Purchaser

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