

3M™ Power Tools,  
Abrasives and Accessories



# Optimize Finishing Results



*New*

## The Right Tools

Air-Powered Orbital &  
Random Orbital Sanders

## The Right Accessories

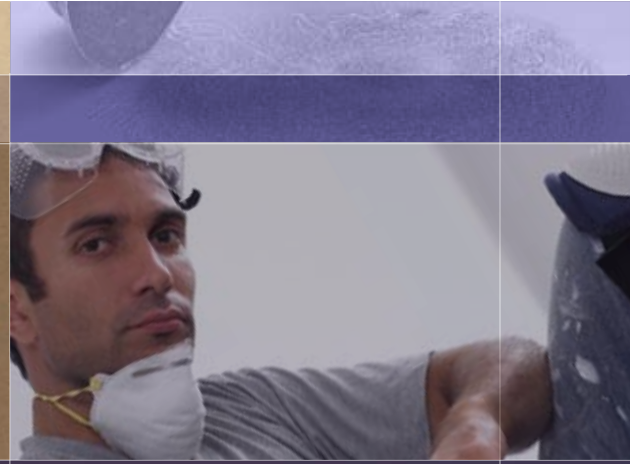
Disc Pads, Tool Kits  
& Sanding Tools

## The Right Abrasives

Stikit™, Hookit™, Hookit™ II,  
Scotch-Brite™ & Clean Sanding Discs



# Guts. Grit. Get it All.



## **Air-powered tools complete the 3M™ Finishing Systems family.**

With the addition of the new line of 3M™ Air-Powered Sanding Tools, the advanced finishing solutions you expect from 3M have come full circle.

## **The guts to go the distance.**

3M™ Air-Powered Sanders give you the power to maximize performance and minimize operational obstacles. Tools are packed with the horsepower to perform the way you need.

## **The grit to get the job done.**

Experience the power of a complete finishing system by combining the 3M abrasives and accessories you've always trusted with the new line of 3M tools specifically designed to help get the job done more efficiently.



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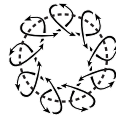
# The Right Tools

When you need a finishing tool, you might not think about the innovative equipment technology required to help you do the job more efficiently. But luckily, 3M did. That's why we engineered a better line of air-powered finishing tools.

Tools that are designed to work hand-in-hand with the 3M™ Abrasives and Accessories you've always trusted, with the built-in features and performance you'd expect from 3M:

- Variety of NEW Dust Management Systems
- Variety of grip sizes available
- Precision balanced, designed for smooth operation
- Color-coded lever for easy orbit identification

## Select the orbit that's right for your project.



**5/16" Diameter Orbit**  
for **aggressive** sanding.



Black – 5/16"



**3/16" Diameter Orbit**  
for **general purpose** sanding.



Silver – 3/16"



**3/32" Diameter Orbit**  
for **fine finish** sanding.



Chrome – 3/32"

Handle indicates orbit style.

## 3M™ Nib Removal Sander

Perfect for wet sanding small areas. The light-weight, easy-grip, right-angled tool design will fit your palm and allow you to keep the proper angle for a finer finish. The smaller head size helps you see the exact point to sand, producing a smaller area to buff out than conventional tools.

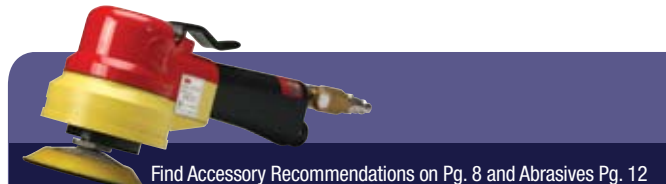


Find Accessory Recommendations on Pg. 8 and Abrasives Pg. 12

Model Number	Size	PSI	Max RPM	Motor HP (W)	Weight Pound (kg)	Maximum Air Flow	Air Inlet Thread	Length Inch (mm)	Height Inch (mm)	UPC Code
03125	1 1/4" diam	57~95 PSI	7,500	.067 (50)	1.05 (.48)	5.3 SCFM	1/4" PS	6 1/2 (165)	2 7/8 (73)	051111-60536-3

## 3M™ Buffer

A powerful, yet easy-to-use buffer provides the fast way to a swirl-free finish. The right angle shape allows operators to reach difficult areas, and the large orbit allows for faster polishing.



Find Accessory Recommendations on Pg. 8 and Abrasives Pg. 12

Model Number	Size	PSI	Max RPM	Motor HP (W)	Weight Pound (kg)	Maximum Air Flow	Air Inlet Thread	Length Inch (mm)	Height Inch (mm)	UPC Code
08125	3" diam	57~95 PSI	10,000	.201 (150)	2.09 (.95)	13.4 SCFM	1/4" PS	9 1/8 (232)	3 5/8 (93)	051141-20277-8

## 3M™ Orbital Sanders, 3"x4"

Designed to maximize finishing performance on flat surfaces. Available in three vacuum styles.



Find Accessory Recommendations on Pg. 7 and Abrasives Pg. 12

Model Number	Size Inch (mm)	Vacuum	Max RPM	Motor HP (W)	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC Code
20331	3"x4" (75x100)	Non-Vac	10,000	.24 (179)	17 (481)	1.43 (.65)	5.48 (139.3)	3.28 (83.5)	Hookit™ Pad 20433	051141-20331-7
20430	3"x4" (75x100)	Central	10,000	.24 (179)	17 (481)	1.53 (.69)	5.48 (139.3)	3.28 (83.5)	Clean Sanding Hookit™ 20435	051141-20430-7
20431	3"x4" (75x100)	Self-Gen	10,000	.24 (179)	17 (481)	1.58 (.72)	5.60 (142.3)	3.28 (83.5)	Clean Sanding Hookit™ 20435	051141-20431-4

## 3M™ Non-Vacuum Random Orbital Sanders

Powerful .28 horsepower tools in a popular non-vacuum model are designed to meet or exceed the highest performance standards.



Find Accessory Recommendations on Pg. 7 and Abrasives Pg. 12

Model Number	Tool Dia. Inch (mm)	Orbit Dia. Inch (mm)	Max RPM	Motor HP (W)	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC Code
20314	3" (77)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.12 (.51)	4.90 (124.33)	3.10 (78.61)	Stikit™ Pad 20348	051141-20314-0
20317	5" (127)	3/16" (5)	12,000	.28 (209)	17 (481)	1.65 (.75)	5.89 (149.6)	3.26 (82.9)	Stikit™ Pad 20351	051141-20317-1
20320	5" (127)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.59 (.72)	5.84 (148.4)	3.26 (82.9)	Stikit™ Pad 20351	051141-20320-1
20324	6" (150)	5/16" (8)	12,000	.28 (209)	17 (481)	1.78 (.81)	6.39 (162.3)	3.26 (82.9)	Stikit™ Pad 20354	051141-20324-9
20325	6" (150)	3/16" (5)	12,000	.28 (209)	17 (481)	1.74 (.79)	6.39 (162.3)	3.26 (82.9)	Stikit™ Pad 20354	051141-20325-6
20328	6" (150)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.68 (.76)	6.34 (161.1)	3.26 (82.9)	Stikit™ Pad 20354	051141-20328-7

## Discover a better way to reduce and remove dust.

Combine the power of 3M vacuum-equipped tools with the innovation of Clean Sanding Disc Technology.

## 3M™ Self-Generated Vacuum Random Orbital Sanders

Designed to work with 3M's proprietary self-contained dust collection system to trap and contain airborne particles during the finishing process. They can also be used with conventional filter bags.



Find Accessory Recommendations on Pg. 7 and Abrasives Pg. 12

Model Number	Tool Dia. Inch (mm)	Orbit Dia. Inch (mm)	Max RPM	Motor HP (W)	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC Code
20316	3" (77)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.30 (.59)	5.01 (127.33)	3.10 (78.61)	Clean Sanding Hookit™ 20350	051141-20316-4
20319	5" (127)	3/16" (5)	12,000	.28 (209)	17 (481)	1.83 (.83)	6.12 (155.4)	3.33 (84.5)	Clean Sanding Hookit™ 20353	051141-20319-5
20322	5" (127)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.76 (.80)	5.98 (151.9)	3.33 (84.5)	Clean Sanding Hookit™ 20353	051141-20322-5
20327	6" (150)	3/16" (5)	12,000	.28 (209)	17 (481)	1.96 (.89)	6.47 (164.4)	3.33 (84.5)	Clean Sanding Hookit™ 20356	051141-20327-0
20330	6" (150)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.90 (.86)	6.42 (163.2)	3.33 (84.5)	Clean Sanding Hookit™ 20356	051141-20330-0

## 3M™ Central-Vacuum-Ready Random Orbital Sanders

Easily attaches and detaches to your existing central vacuum system for efficient evacuation of dust and debris.



Find Accessory Recommendations on Pg. 7 and Abrasives Pg. 12

Model Number	Tool Dia. Inch (mm)	Orbit Dia. Inch (mm)	Max RPM	Motor HP (W)	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC Code
20315	3" (77)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.26 (.57)	4.90 (124.33)	3.10 (78.61)	Clean Sanding Hookit™ 20350	051141-20315-7
20318	5" (127)	3/16" (5)	12,000	.28 (209)	17 (481)	1.79 (.81)	5.91 (150.1)	3.33 (84.5)	Clean Sanding Hookit™ 20353	051141-20318-8
20321	5" (127)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.72 (.78)	5.86 (148.9)	3.33 (84.5)	Clean Sanding Hookit™ 20353	051141-20321-8
20326	6" (150)	3/16" (5)	12,000	.28 (209)	17 (481)	1.90 (.86)	6.35 (161.4)	3.33 (84.5)	Clean Sanding Hookit™ 20356	051141-20326-3
20329	6" (150)	3/32" (2.5)	12,000	.28 (209)	17 (481)	1.83 (.83)	6.31 (160.2)	3.33 (84.5)	Clean Sanding Hookit™ 20356	051141-20329-4



# The Right Accessories

3M offers a full line of accessories to complement our Stikit™, Hookit™, Hookit™ II and the new 3M™ Clean Sanding Disc line of coated abrasive products. Whatever your application, 3M is sure to have an accessory to allow you to maximize your sanding productivity. The foundation of 3M's accessories is the broad line of disc pads in a variety of thicknesses and densities for all your general purpose and specialized orbital sanding needs.



## Three Basic Disc Pad Profiles

Available in Stikit™, Hookit™, Hookit™ II and Clean Sanding styles.

### Low Profile – *Most Aggressive*



- Offers the most aggressive sanding
- Recommended for flat sanding operations
- Stikit™ pads available in: Blue vinyl, Silver cloth
- Also available in 5": 5-hole and Hookit™ Clean Sanding dust hole patterns;

and 6": 6-hole and Hookit™ Clean Sanding dust hole patterns. Bulk packaging available in select 5" and 6" styles.

### Standard Profile – *General Purpose*



- 45-degree tapered edge provides flexibility and allows the sanded area to be "feather edged" or more easily blended
- Stikit™ pads available in: Blue vinyl, Silver cloth and Red nylon

• Also available in 5": 5-hole and 6": 6-hole dust hole patterns. Bulk packaging available in select 5" and 6" styles.

### Low Profile Finishing – *Best Finish*



- Soft foam offers the best finishing of three styles
- Can be used on flat surfaces or contoured surfaces
- Stikit™ pads available in: Brown vinyl
- Also available in 5": 5-hole and 6": 6-hole dust hole patterns. Not available in 6" Hookit™.

## Stikit™ Disc Pad Face Color Key

Color	Applications
Blue/Brown Vinyl	Good adhesion and easy removal in most operations
Silver Cloth	Low adhesion surface for high heat applications such as woodworking. Reduces PSA transfer.
Red Vinyl	High adhesion surface and a more durable surface



## Disc Pad Recommendations

Use the following chart to select the right pad, tool and abrasive combination to do the right job (see the next pages for detailed pad information).

Tool Size		Stikit™			Hookit™			Hookit™ II		
Application	Orbit	Firm	Medium	Soft	Firm	Medium	Soft	Firm	Medium	Soft
<b>3" Non-Vac</b>										
Finishing	3/32"		20348			•20350 •20427	•20428		05269	
<b>3" Vac (Central or Self-Gen)</b>										
Finishing	3/32"					•20350 •20427	•20428			
<b>5" Non-Vac</b>										
Medium Stock Removal	3/16"	20351 05555 85104 5555B*	05575 45215 88736 5575B*		20352 05755	13625 05775		05255	05275	
Finishing	3/32"		05575 45215 88736 5575B*	05545		13625 05776	16459 77855		05275	05245
<b>5" Vac (Central or Self-Gen)</b>										
Medium Stock Removal	3/16"	05655 5655B*	45217 82274		•20353 05855	•20206	•20290 77856	05355	05375	05345
Finishing	3/32"		45217 82274	05645	•20353 05855	•20206	•20290 77856		05375	05345
<b>6" Non-Vac</b>										
High Stock Removal	5/16"	05556 20354			20355 05756			02250		
Medium Stock Removal	3/16"	05556 20354	05576 5576B* 45216	05546	20355 05756	05776		05256	05276	05251
Finishing	3/32"		05576 5576B* 45216	05546		05776			05286	05251
<b>6" Vac (Central or Self-Gen)</b>										
Medium Stock Removal	3/16"	05656	45218	05646		•20356 •05865 05876	•20425	05356	09352	05351
Finishing	3/32"		45218	05646		•20356 •05865 05876	•20425	05356	09352	05351
<b>3"x4" Non-Vac</b>	1/8"					20433				
<b>3"x4" Vac (Central or Self-Gen)</b>	1/8"					•20435				

## Disc Pad Profiles



• Clean Sanding Hole Pattern Disc Pad. See page 11 for more Clean Sanding Accessories.  
\* Bulk Pack for lowest cost.

## Accessories

### 3M™ Nib Removal Sander Disc Pads



Part #	Size	Description	UPC	Qty/Case
03125P	1 1/4"	3M™ Finesse-it™ – Soft	051111-60537-0	10/case
03125H	1 1/4"	3M™ Finesse-it™ – Hard	051111-20207-5	10/case

### 3M™ Buffer Disc Pad & Accessories



Part #	Size	Description	UPC	Qty/Case
02700	3"	3M™ Hookit™ Disc Pad	051111-55764-8	5 pads/case (1 pad/inner)
02648	3 1/4"	3M™ Finesse-it™ Foam Buffing Pad – Orange/General Use	051111-51151-0	50/case (10 pads/inner)
02637	3 3/4"	3M™ Finesse-it™ Foam Buffing Pad – Orange/Contour Use	051111-51158-9	
01963	3"	3M™ Finesse-it™ Foam Buffing Pad – White/Fine Finishing	051111-60799-2	

### 3M™ 3"x4" Orbital Sander Accessories

Part #	Size	Description	Hook Type	UPC	Max OPM	Qty/Case
20433***	3"x4"	Pad	2	051141-20433-8	12,000	10
20435***	3"x4"	Clean Sanding Pad	2	051141-20435-2	12,000	10

### Stikit™ Disc Pads See page 6 for Stikit™ Disc Pad Face Color Key.

Part #	Size Dia. x Thickness	Face Color	Description	UPC	Max RPM	Max OPM	Qty/ Case
<b>5/16" – 24 EXTERNAL THREAD</b>							
05545	5"x1 1/16"	Brown-Soft	LP Finishing	051131-05545-2	12,000	12,000	10
05546	6"x1 1/16"	Brown-Soft	LP Finishing	051131-05546-9	10,000	12,000	10
05555	5"x3/8"	Blue	Low Profile	051131-05555-1	12,000	12,000	10
5555B	5"x3/8"	Blue-Bulk	Low Profile	051111-51173-2	12,000	12,000	50
05556	6"x3/8"	Blue	Low Profile	051131-05556-8	10,000	12,000	10
05575	5"x3/4"	Blue	Standard	051144-05575-3	10,000	12,000	10
5575B	5"x3/4"	Blue-Bulk	Standard	051111-51170-1	10,000	12,000	50
05576	6"x3/4"	Blue	Standard	051144-05576-0	10,000	12,000	10
5576B	6"x3/4"	Blue-Bulk	Standard	051111-51172-5	10,000	12,000	50
05645	5"x1 1/16"	Brown-Soft	LP Finishing D/F	051131-05645-9	12,000	12,000	10
05646	6"x1 1/16"	Brown-Soft	LP Finishing D/F	051131-05646-6	10,000	12,000	10
05655	5"x3/8"	Blue	LP Finishing D/F	051131-05655-8	12,000	12,000	10
5655B	5"x3/8"	Blue-Bulk	LP Finishing D/F	051111-51166-4	12,000	12,000	50
05656	6"x3/8"	Blue	LP Finishing D/F	051131-05656-5	10,000	12,000	10
20348*	3"x1/2"	Blue	Low Profile	051141-20348-5	15,000	15,000	10
20351	5"x3/8"	Blue	Low Profile	051141-20351-5	12,000	12,000	10
20354	6"x3/8"	Blue	Low Profile	051141-20354-6	12,000	12,000	10
45215	5"x3/4"	Silver	Standard	051144-45215-6	10,000	12,000	10
45216	6"x3/4"	Silver	Standard	051144-45216-3	10,000	12,000	10
45217	5"x3/4"	Blue	Standard D/F	051144-45217-0	10,000	12,000	10
45218	6"x3/4"	Blue	Standard D/F	051144-45218-7	10,000	12,000	10
82274	5"x3/4"	Silver	Standard D/F	051144-82274-4	10,000	12,000	10
85104	5"x3/8"	Silver	Low Profile	051144-85104-1	10,000	12,000	10
88736	5"x3/8"	Blue-Tapered Edge	Low Profile	051144-88736-1	10,000	12,000	10

\*1/4 – 20 EXTERNAL THREAD \*\*\*4 – THREADED HOLES





## Hookit™ Disc Pads

Part #	Size Dia. x Thickness	Description	Hook Type	UPC	Max RPM	Max OPM	Qty/ Case
<b>5/16" – 24 EXTERNAL THREAD</b>							
05755	5"x3/8"	Low Profile	1	051131-05755-5	12,000	12,000	10
05756	6"x3/8"	Low Profile	1	051131-05756-2	12,000	12,000	10
05775	5"x3/4"	Standard	1	051131-05775-3	12,000	12,000	10
05776	6"x3/4"	Standard	1	051131-05776-0	12,000	12,000	10
05855	5"x3/8"	Dust Free Low Profile – 5-Hole	1	051131-05855-2	12,000	12,000	10
05865	6"x1/2"	Clean Sanding – 25-Hole	1	051131-05865-1	12,000	12,000	10
05876	6"x3/4"	Dust Free Low Profile – 6-Hole	1	051131-05876-7	12,000	12,000	5
13625	5"x3/4"	45° Tapered – Standard	1	051144-13625-4	10,000	12,000	10
16459	5"x11/16"	Low Profile Finishing	1	051141-20273-0	12,000	12,000	10
20206	5"x1/2"	Clean Sanding – 31-Hole	1	051141-20206-8	12,000	12,000	10
20290	5"x11/16"	Clean Sanding Soft	1	051141-20290-7	12,000	12,000	10
20350*	3"x1/2"	Clean Sanding Low Profile – 3-Hole	2	051141-20350-8	15,000	15,000	10
20352	5"x3/8"	Low Profile	2	051141-20352-2	12,000	12,000	10
20353	5"x3/8"	Clean Sanding Low Profile – 44-Hole	2	051141-20353-9	12,000	12,000	10
20355	6"x3/8"	Low Profile	2	051141-20355-3	12,000	12,000	10
20356	6"x3/8"	Clean Sanding Low Profile – 52-Hole	2	051141-20356-0	12,000	12,000	10
20425	6"x11/16"	Clean Sanding Low Profile – 25-Hole	1	051141-20425-3	12,000	12,000	10
20427	3"x1/2"	Clean Sanding – 6-Hole	1	051141-20427-7	12,000	12,000	5
20428**	3"x1"	Clean Sanding Soft – 6-Hole Kit	1	051141-20428-4	12,000	12,000	5
77855	5"x11/16"	Low Profile Finishing	1	051144-77855-3	12,000	12,000	10
77856	5"x11/16"	Dust Free Low Profile Finishing – 5-Hole	1	051144-77856-0	12,000	12,000	10

\*1/4 – 20 EXTERNAL THREAD \*\*5/16 – INTERNAL THREAD

## Hookit™ II Disc Pads

Part #	Size Dia. x Thickness	Description	UPC	Max RPM	Max OPM	Qty/ Case
<b>5/16" – 24 EXTERNAL THREAD</b>						
05245	5"x11/16"	Low Profile Finishing – Soft	051131-05245-1	12,000	12,000	10
05251	6"x11/16"	Standard – Soft	051131-05251-2	12,000	12,000	10
05255	5"x3/8"	Low Profile	051131-05255-0	12,000	12,000	10
02250	6"x3/8"	Low Profile	051111-50508-7	12,000	12,000	10
05269	3"x1/2"	Standard – 5/16" – 24 INT	051131-05269-7	15,000	15,000	5
05275	5"x3/4"	Standard	051131-05275-8	12,000	12,000	10
05276	5"x3/4"	Standard	051131-05276-8	12,000	12,000	10
05286	6"x3/4"	Standard – Soft & Tapered Edge	051131-05286-4	12,000	12,000	10
05345	5"x11/16"	Dust Free Low Profile – 5-Hole	051131-05345-8	12,000	12,000	10
05351	6"x11/16"	Dust Free Primer Finishing – 6-Hole	051131-05351-9	12,000	12,000	10
05355	5"x3/8"	Dust Free Low Profile – 5-Hole	051131-05355-7	12,000	12,000	10
05356	6"x3/8"	Dust Free Low Profile – 6-Hole	051131-05356-4	12,000	12,000	10
05375	5"x3/4"	Dust Free Standard – 5-Hole	051131-05375-5	12,000	12,000	10
09352	6"x3/4"	Dust Free Standard – 6-Hole	051131-09352-2	12,000	12,000	5



# Accessories

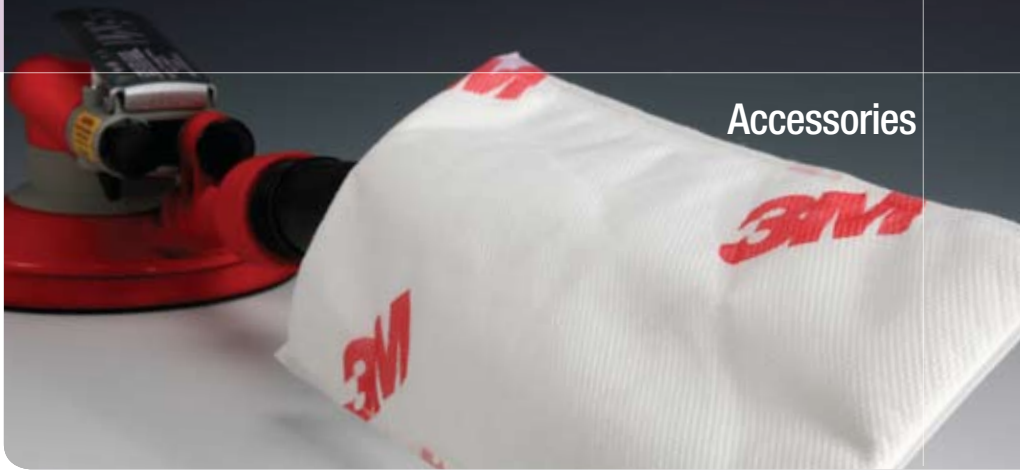
## Tool Accessories

Part #	Item	Description	UPC
06195	Scotch™ 48 Thread Sealant and Lubricant – 1/2"x260"	Use to seal and lubricate threaded connections. (12/case)	054007-06195-3
20332	3M™ Vac Conversion Kit 3", NV to CV w/o pad	Converts a 3" 3M™ Non-Vacuum Random Orbital Sander to a central vacuum ready system	051141-20332-4
20333	3M™ Vac Conversion Kit 3", NV to SGV w/o pad	Converts a 3" 3M™ Non-Vacuum Random Orbital Sander to a self-generated system	051141-20333-1
20334	3M™ Vac Conversion Kit 5" or 6", NV to CV w/o pad	Converts a 5" or 6" 3M™ 3M™ Non-Vacuum Random Orbital Sander to a central vacuum ready system	051141-20334-8
20335	3M™ Vac Conversion Kit 5" or 6", NV to SGV w/o pad	Converts a 5" or 6" 3M™ Non-Vacuum Random Orbital Sander to a self-generated system	051141-20335-5
20440	3M™ Vac Conversion Kit 6", NV to CV CS w/o pad	Converts a 6" 3M™ Non-Vacuum Random Orbital Sander to a central vacuum clean sanding system	051141-20440-6
20441	3M™ Vac Conversion Kit 6", NV to SGV CS w/o pad	Converts a 6" 3M™ Non-Vacuum Random Orbital Sander to a self-generated clean sanding system	051141-20441-3
20336	3M™ Vac Conversion Kit 3"x4", NV to CV w/o pad	Converts a 3"x4" 3M™ Non-Vacuum Orbital Sander to a central vacuum ready system	051141-20336-2
20337	3M™ Vac Conversion Kit 3"x4", NV to SGV w/o pad	Converts a 3"x4" 3M™ Non-Vacuum Orbital Sander to a self-generated system	051141-20337-9
20338	3M™ Vacuum bag inserts, 10 bags per inner, 50 bags per case	Vacuum bag inserts to fit all 3M™ Vacuum Conversion Kits	051141-20338-6
20339	3M™ Hose Fitting Adapter, 1" EXT Hose Thread x 1" Friction Fitting	Adapter attaches to 3M™ vacuum sanders and fits 28mm ID vacuum hose	051141-20339-3
20340	3M™ Hose End Adapter, 1" internal hose thread x 1 1/4" internal hose thread	Use to attach a 1" threaded hose to a 1 1/4" threaded hose	051141-20340-9
20341	3M™ Hose fitting Adapter, 1" internal Hose Thread x 1 1/2" OD Hose Adapter	1" internal hose thread x 1 1/2" OD Hose Adapter	051141-20341-6
20342	3M™ Grip 2 1/2"	3M™ Random Orbital Sander Grip – Small. For small sized hands.	051141-20342-3
20343	3M™ Grip 2 3/4" – Standard on Tool	3M™ Random Orbital Sander Grip – Medium. For medium sized hands.	051141-20343-0
20344	3M™ Grip 3"	3M™ Random Orbital Sander Grip – Large. For large sized hands.	051141-20344-7
20345	3M™ Overhaul Service Kit for 3"x4"	All the parts needed to bring your sander back to top performance. Kit includes rotor, vanes & key, valve seat, valve, valve spring, mufflers, muffler housing, o-rings, retaining rings, valve stem assembly, bearings and shim.	051141-20345-4
20346	3M™ Overhaul Service Kit for 3"	All the parts needed to bring your sander back to top performance. Kit includes rotor, vanes & key, valve seat, valve, valve spring, mufflers, muffler housing, o-rings, retaining rings, valve stem assembly, bearings and shim.	051141-20346-1
20347	3M™ Overhaul Service Kit for 5" & 6"	All the parts needed to bring your sander back to top performance. Kit includes rotor, vanes & key, valve seat, valve, valve spring, mufflers, muffler housing, o-rings, retaining rings, valve stem assembly, bearings and shim.	051141-20347-8

Visit [www.3M.com/AirTools](http://www.3M.com/AirTools) to find the perfect accessory for the job.



3M™ Clean Sanding Filter Bag 20452 for Self-Generating Vacuum Sanders



### 3M™ Air Tool Lubricant

Used to keep pneumatic air tools running efficiently. Use 2-3 drops at the end of each day, or as needed, to maintain tool performance. See other tool operation tips on page 19.

Part #	Size	UPC
20451	4 fl. oz. / 188 ml	051141-20451-2

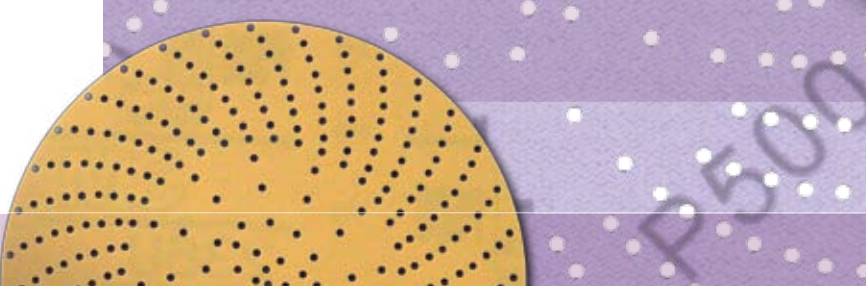
## Additional Clean Sanding Accessories

Part #	Size	Description	UPC	Qty/Case
20278	5"	Clean Sanding Soft Interface Disc Pads	051141-20278-5	10/case
20443	5" – 31-Hole	Clean Sanding Disc Pad Hook Saver	051141-20443-7	20/case
20444	5" – 44-Hole	Clean Sanding Disc Pad Hook Saver	051141-20444-4	20/case
20445	6" – 25-Hole	Clean Sanding Disc Pad Hook Saver	051141-20445-1	20/case
20446	6" – 52-Hole	Clean Sanding Disc Pad Hook Saver	051141-20446-8	20/case
20452	Large	Clean Sanding Filter Bag	051141-20452-9	50/case
20453	1" Ext. Hose Thread x 1" ID	Filter Bag Adapter	051141-20453-6	10/case

## Want more Clean Sanding?

For Clean Sanding Disc Pads, look for the CS symbol (●) in the Hookit™ Disc Pad Chart on pages 7 and 9.

For Clean Sanding Abrasives refer to pages 14 through 18.





## The Right Abrasives

### 3M™ Stikit™ Abrasives

Versatile, Convenient and Efficient. 3M manufactures a complete line of Stikit™ coated abrasives to handle your entire range of sanding and finishing needs. Stikit™ systems are coated abrasive products with a pressure-sensitive adhesive coating on the back.

The advantages of Stikit™ systems:

- Ease of application, and removal for convenient and efficient use
- Versatility of product forms for all your coated abrasive applications
- Stikit™ Disc Rolls, convenience at your fingertips



### 3M™ Hookit™ Abrasives

3M offers a complete line of traditional hook & loop style discs for areas where adhesive backed discs may become contaminated by dust, dirt or flying debris.

The advantages of Hookit™ systems:

- Hookit™ Attachment System allows for re-attachment of the disc between grade shifts or work pieces
- Hookit™ backing does not become contaminated by dust, dirt and debris for maximum utilization of abrasives

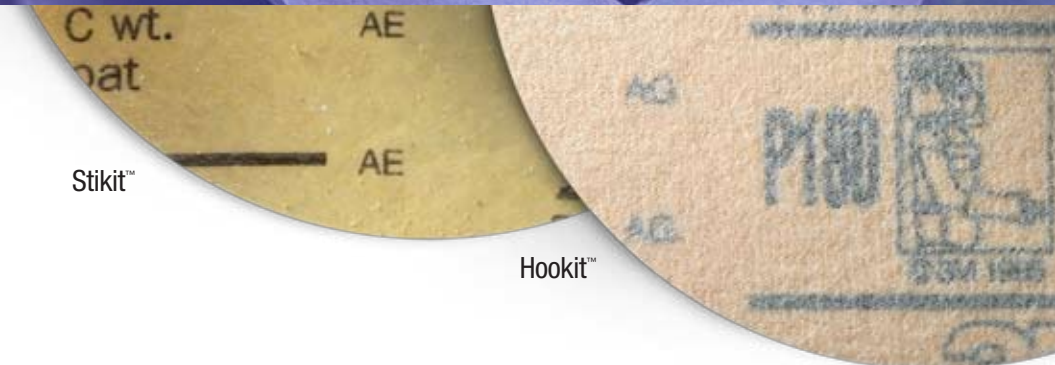
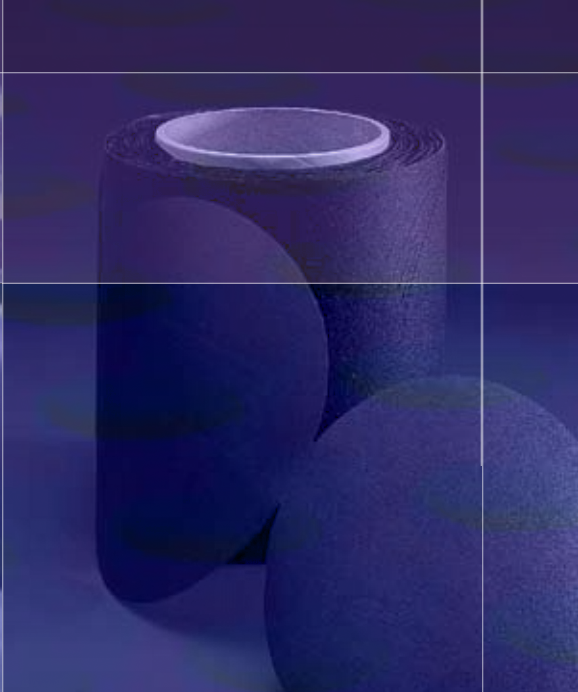
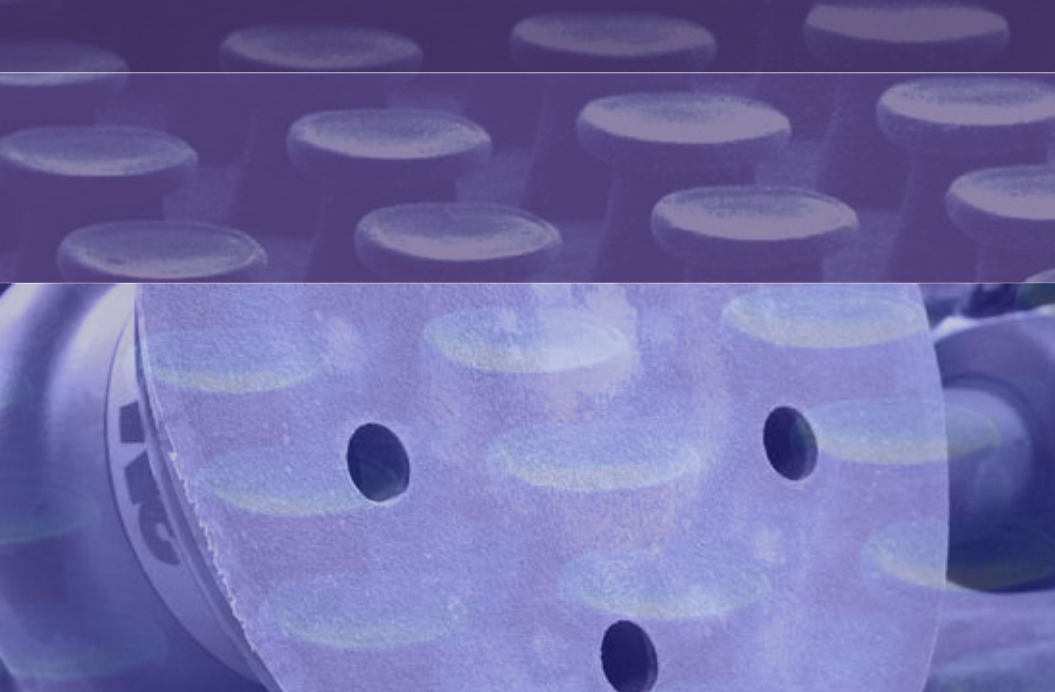
### 3M™ Hookit™ II Abrasives

In the Hookit™ II system the hooks are placed on the back of the disc, while the loops are placed on the disc pad.

The advantages of Hookit™ II systems:

- The film backing of the stems on the back of the disc provides for greater tear resistance and increased durability of the coated abrasive disc
- The loops on the disc pad can provide improved heat dispersal





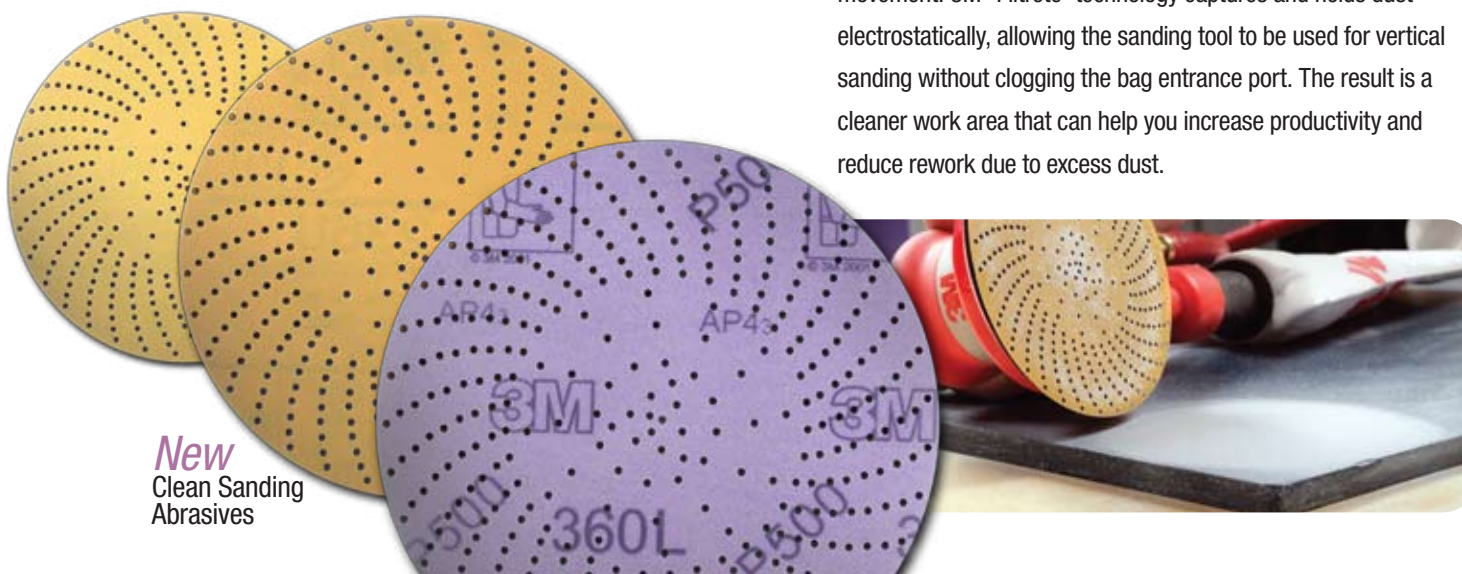
### *NEW Dust Management System*

## **3M™ Clean Sanding Abrasives with Hookit™ Attachments**

Help improve productivity with the latest innovation in dust evacuation. 3M™ Clean Sanding Discs are designed to cut more and last longer. The patented multi-hole pattern captures and removes more dust, compared to 5- or 6-hole products. This can dramatically increase disc life. The new design doesn't even require alignment of holes with the disc pad, making switching discs fast, easy and convenient. And the Hookit™ attachment system provides excellent backing support designed for easy reuse.

## **Revolutionary Clean Sanding System**

Help eliminate dust control worries by combining your self-generated vacuum sanding tool with the patented Clean Sanding multi-hole abrasives and Clean Sanding Filter Bag. You'll get more life out of your abrasives, and less dust in your workplace. The 3M™ Clean Sanding Filter Bags are easy to use because there's no vacuum hose attached to restrict operator movement. 3M™ Filtrete™ technology captures and holds dust electrostatically, allowing the sanding tool to be used for vertical sanding without clogging the bag entrance port. The result is a cleaner work area that can help you increase productivity and reduce rework due to excess dust.



*New*  
Clean Sanding  
Abrasives

## Abrasives

### Paper Discs

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.

#### 210U

May be used for light sanding on metal. Works well on primer, paint, fiberglass, wood and plastics.

#### 214U

Used in general industrial and wood applications where load resistant characteristics are needed. Excellent for sanding on primer, paint, whitewood, sealers, topcoats, fiberglass and plastics.

#### 216U

Disc is used for sanding on e-coat, primer, paint, sealers, topcoats, fiberglass, plastics and other light-colored substrates, such as whitewood. Disc provides good cut and long life.

#### 236U

Excellent for sanding on whitewood, primer, paint, sealers, topcoats, fiberglass and plastics. Works well where a heavier, more durable paper backing is required.

#### 240N

Discs are used dry in all industrial segments. Good performance where coarse grades are needed for heavy cutting.

#### 246U

Product provides aggressive cut, long life and a durable backing. Good for general purpose applications.



#### 316U

Used for sanding primers, paint, wood, varnish, sealers, fiberglass and plastics.

#### 363I

Durable product designed for use on metal or heavy stock removal of wood, composites and solid surface material.

#### Finesse-it™ 401Q

Can be run wet or dry on paint, primer, gel coat, metal and wood.

#### 415N

Excellent for whitewood sanding, sealer sanding or where finish is critical.

#### 415U

Fine finishing for wood and solid surface. Great on contours or where disc loading is a problem.

#### 735U

Premium C-weight product with excellent cut rate and life for whitewood sanding. Also great for D/A sanding on metal.

#### 750U

Recommended for working on metal, plastic, for stripping paint and many other types of coatings.

#### 751I

Durable product for medium- to heavy-duty applications. Specially designed for superior resistance to edge-shelling.

#### 763U

Great for heavy duty sanding such as paint stripping or D/A applications on metal.



Abrasive	Available Forms	Dust Free 5-Hole	Dust Free 6-Hole	Clean Sanding	Mineral	Backing Weight	Open (O) or Closed (C) Coat	Load Resistant Coating	Available Grades
210U	Stikit™ Disc Rolls, Hookit™, Hookit™ II	●	●		Alox	A-wt.	O		P180-P600
214U	Stikit™ Disc Rolls	●	●		Alox	A-wt.	O	●	80, P100-P240, P320, P400
216U	Stikit™ Disc Rolls, Stikit™ Sheet Rolls, Hookit™	●	●	●	Alox	A-wt.	O	●	P80- P600
236U	Stikit™ Disc Rolls, Hookit™, Hookit™ II and Hookit™ Sheets	●	●	●	Alox	C-wt.	O	●	P80, P100-P240, P320, P400, P500
240N	Stikit™ Discs	●	●		Alox	D-wt.	O		36 & 40
246U	Stikit™ Disc Rolls, Stikit™ Discs	●	●		Alox	D-wt.	O	●	80
316U	PSA Disc Rolls	●	●		Alox	A-wt.	O	●	80, P100-P400
363I	Stikit™ Disc Rolls	●	●		Alox	F-wt.	C	●	60, 80, P100-P180
Finesse-it™ 401Q	PSA Disc Rolls and Sheets				Silicon Carbide	A-wt.	C		1200-2500 Discs, 1000-2500 Sheets
415N	Stikit™ Disc Rolls, Stikit™ Rolls, Refill Rolls	●	●		Silicon Carbide	A-wt.	O	●	80-400
415U	Stikit™ Disc Rolls, Stikit™ Rolls, Stikit™ Sheet Rolls and Refill Rolls, Hookit™, Hookit™ II	●	●		Silicon Carbide	A-wt.	O	●	80-220
735U	Stikit™ Disc Rolls, Stikit™ Tab Liner, Hookit™, Hookit™ II	●	●		3M™ Cubitron™ Abrasive Grain	C-wt.	O	●	P80-P220
750U	Hookit™	●	●		3M™ Cubitron™ Abrasive Grain	E-wt.	O		60, 80, 100
751I	Stikit™ Disc Rolls, Stikit™, Hookit™, Hookit™ II	●	●		3M™ Cubitron™ Abrasive Grain	E-wt.	C		80, P100, P120
763U	Stikit™ Disc Rolls, Stikit™, Hookit™	●	●		3M™ Cubitron™ Abrasive Grain	F-wt.	C		60, 80, P100, P120



The popular 735U disc comes in a variety of abrasive styles and even the convenient Tab Liner style which makes Stikit™ attachment even easier.



## Abrasives

Hookit™ Clean Sanding  
Disc 360L

### Film Discs

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 and solid surface material, wood and anywhere else you need the perfect finish every time.



#### 255L Gold Film

This construction provides long life, faster cut and leaves a consistent finish. 255L contains a load-resistant coating, which makes the disc very effective when sanding wood, sealers, fiberglass and plastics.

#### 360L

Film construction providing consistent finishing capability. Works well on wood, plastics, gel coats and solid surface.

#### 265L

An aluminum oxide Stikit™ disc roll constructed on a film backing. Features a load-resistant coating. Sanding applications are for metalworking and woodworking.

#### 261L

An aluminum oxide Stikit™ disc roll. Primary sanding applications are for metalworking and woodworking. Excellent resistance to edge tearing, which increases life over standard A-weight paper backings.

#### Trizact™ 466LA

Incorporates 3M's microreplication technology. These discs are used in 3M's 2-step, paint defect repair process for automotive finishes.

#### Trizact™ 268XA

Incorporates 3M's microreplication technology. Outstanding for polishing and repairing solid surface, acrylics and glass.

#### Trizact™ 568XA

Microreplication technology. Outstanding for polishing solid surface, acrylics, glass and removing overspray or dirt on topcoats.

#### 268L Microfinishing Film

Ideal for sanding plastics, paint, e-coat and wood.

#### 366L Microfinishing Film

Ideal for sanding plastics, wood, paint, solid surface, composite, primer, e-coat, metal, or where loading is an issue. Provides superior finishing and cut rate capability with long life.

#### 468L Microfinishing Film

Ideal for sanding plastics, wood, paint, e-coat and composites. Provides superior finishing and cut rate capability with long life.

#### 675L Diamond Microfinishing Film

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.

Hookit™ Disc 360L and 3M™ Random Orbital Sander demonstrate spot primer removal. Also available in Stikit™.





Abrasive	Available Forms	Dust Free 5-Hole	Dust Free 6-Hole	Clean Sanding	Mineral	Film Thickness	Open (O) or Closed (C) Coat	Load Resistant Coating	Available Grades
255L Gold Film	Stikit™ Disc Rolls, Hookit™	●	●		Alox		O	●	P80-P600
360L	Stikit™ Disc Rolls, Hookit™	●	●	●	Alox		O		P220-P1000
265L	Stikit™ Discs Rolls	●	●		Alox		C	●	P150, 180, 220, 240, 320
261L	Stikit™ Disc Rolls	●	●		Alox		C		80, P100-P150
Trizact™ 466LA	PSA Disc Rolls, Hookit™, Hookit™ II				Silicon Carbide	3 mil	C		A3, A5, A7
Trizact™ 268XA	PSA Disc Rolls, Hookit™ II				Trizact™ Alox	3 mil	O		A5, A10, A20, A35
Trizact™ 568XA	PSA Disc Rolls, Hookit™ II				Cerium Oxide	3 mil	O		Cerium Oxide
268L Microfinishing Film	PSA, PSA Disc Rolls, Hookit™, Hookit™ II	●	●		Alox	3 mil	O		9 micron - 100 micron
366L Microfinishing Film	PSA, PSA Disc Rolls, Hookit™, Hookit™ II	●	●		Alox	3 mil	O	●	15 micron - 220 micron
468L Microfinishing Film	PSA, PSA Disc Rolls, Hookit™, Hookit™ II	●	●		Silicon Carbide	3 mil	O		15 micron - 100 micron
675L Microfinishing Film	Hookit™				Diamond				20 micron - 125 micron

## Scotch-Brite™ Hookit™ Discs

Efficient and quality finishing of solid surface material, wood, metals and more. Scuff metals prior to painting or use to leave uniform matte finish on solid surface countertop material.

The forgiving web of these Scotch-Brite discs can reduce rework from deep scratches. It's an easy way to a great finish using a random orbital sander.



Part #	Size	Description	Mineral	Coarseness	UPC	Max RPM	Qty/Case
29294	5"xNH	Clean & Finish Disc	Silicon Carbide	Ultrafine	048011-29294-6	12,000	40
29292	5"xNH	Production Clean and Finish Disc	Aluminum Oxide	Very Fine	048011-29292-2	12,000	40
29295	6"xNH	Clean and Finish Disc	Silicon Carbide	Ultrafine	048011-29295-3	10,000	40
29293	6"xNH	Production Clean and Finish Disc	Aluminum Oxide	Very Fine	048011-29293-9	10,000	40
60230	5"xNH	Cut and Polish Disc	Aluminum Oxide	Medium	048011-60230-1	12,000	40
60227	5"xNH	Cut and Polish Disc	Aluminum Oxide	Very Fine	048011-60227-1	12,000	40
60231	6"xNH	Cut and Polish Disc	Aluminum Oxide	Medium	048011-60231-8	10,000	40
60229	6"xNH	Cut and Polish Disc	Aluminum Oxide	Very Fine	048011-60229-5	10,000	40

# Abrasives

## Cloth Discs

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 for heavy wood stock removal.

### 241D

Designed for rough operations where a heavy cloth backing is needed, such as heavy stock removal on wood, metal, composites and solid surface materials.

### 248D

Excellent for grinding and D/A sanding on metal.

### 900DZ

Combines flexibility, durability and fast cut rates for improving productivity when sanding flats or contours of wood, composites, solid surface and metal.



Stikit™ Liner Disc 900DZ and 3M™ Random Orbital Sander

### 300D

Designed for durability when flexibility and edge wear is critical. Excellent for sanding wood and metal.

### Trizact™ 337DC

Trizact™ macroreplicated abrasives are 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, such as metal files or rotary tool used for silicon bronze weld leveling. It provides a very fast scratch removal capability combined with a superior finish, leaving the surface ready for e-coat application, while providing an outstanding long life due to the pattern design of the Trizact™ abrasive disc features.



Trizact™ Disc 337DC with 3M™ Random Orbital Sander and close-up of Trizact™ pattern.

Abrasive	Available Forms	Dust Free 5-Hole	Dust Free 6-Hole	Clean Sanding	Mineral	Backing Weight	Open (O) or Closed (C) Coat	Load Resistant Coating	Available Grades
241D	Stikit™ Disc Rolls	●	●		Alox	X-wt.	C		P36, P50-P180
300D	Stikit™ Liner Discs	●	●		Alox	J -wt.	O		80, P100-P220
337DC	Hookit™, Stikit™				Trizact™ Alox	X-wt.	O		A30-A300
248D	Stikit™/PSA discs	●	●		Alox	X-wt.	C		P24-P240
900DZ	Stikit™ Liner Discs	●	●		3M™ Cubitron™ Abrasive Grain	Flexible J-wt.	O		80, P100-P220

# Technical Recommendations for 3M™ Air-Powered Tools



- Use a clean, lubricated air supply that will give a measured air pressure at the tool of 6.2 bar (90 psig) when the tool is running with the lever fully depressed.
- Use an approved 10 mm (3/8 in) x 8 m (25 ft) maximum length airline.
- Connect the tool to the air supply as shown in Figure 1.
- It is strongly recommended that an air filter, regulator and lubricator (FRL) be used as shown in Figure 1, to supply clean, lubricated air at the correct pressure to the tool. If such equipment is not used, the tool should be manually lubricated.

To manually lubricate the tool:

- Disconnect the airline and put 2 to 3 drops of suitable pneumatic motor lubricating oil, such as **3M™ Air Tool Lubricant 20451**, into the hose end (inlet) of the tool.
- Reconnect tool to the air supply and run tool for a few seconds to allow air to circulate the oil.
- Lubricate daily if the tool is used frequently or if the tool starts to slow or lose power.
- Tools can be run at lower pressures, but should never be run higher than 6.2 bar (90 psig). If run at lower pressure the performance of the tool is reduced.

## Recommended Airline Size:

10 mm Minimum: 3/8 inch

## Recommended Maximum Hose Length:

8 meters 25 feet

## Air Pressure

Maximum Working Pressure: 6.2 bar 90 psig

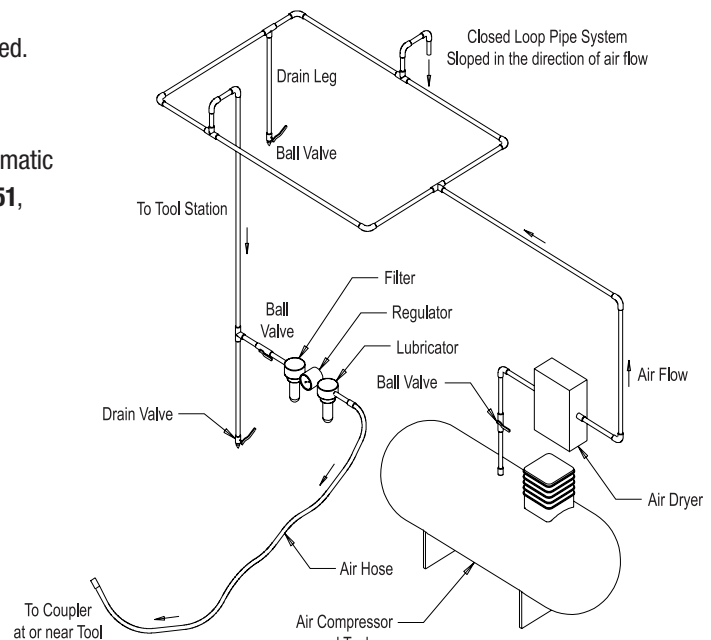
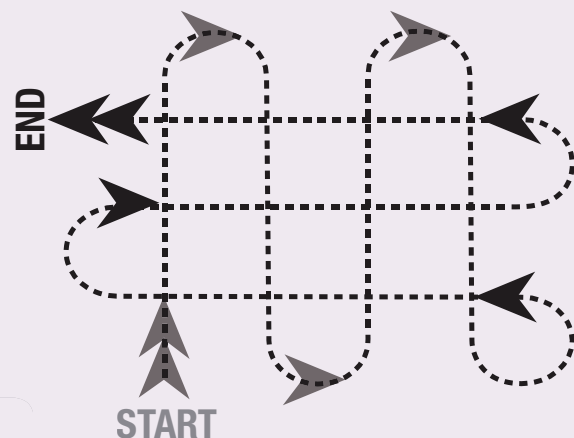


Figure 1

## Basic Random Orbital Sanding Techniques

- Start the tool ON and stop the tool OFF the work surface to avoid “swirl marks.”
- Run the tool flat to work piece (no tipping on edge).
- Light operator hand pressure on the tool handle.
- North, South, East, West common sanding pattern for uniform finish quality – see diagram at right for indication.



## 3M Abrasive Technology Platforms

### 3M™ Cubitron™ Abrasive Grain



This innovative abrasive grain is one of the hardest, longest-lasting minerals available. Perfect for moderate to heavy stock removal, it's engineered to cut

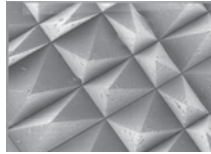
fast and handle intense heat and stress applications. It's ideal for use with stainless steel and whitewood sanding.

#### Compared to others, our product design can help:

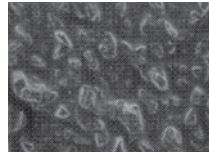
- Eliminate process steps
- Improve cut rate consistency
- Produce finer finishes
- Reduce cost per part
- Extend disc life

You'll find Cubitron™ Abrasive Grain in 3M™ Paper Discs 735U, 750U, 751U, 763U and Cloth Discs like 900DZ.

### 3M™ Trizact™ Abrasives



Microreplicated Trizact™ pattern



Conventional

Three-dimensional structures uniformly distributed over the entire surface of Trizact abrasives ensure consistent performance and eliminate disc-to-disc variation. Unlike conventional abrasives, Trizact discs start sharp and stay sharp, resulting in more predictable finishes and improved, consistent quality. Trizact discs can last up to five times longer than conventional discs – and finish so precisely that operators can reduce grade sequences, lowering your abrasive and production costs.

#### 3M Structured Abrasive Technology

Trizact discs contain multiple layers of abrasive mineral. As these structures wear down, fresh sharp mineral is exposed. The result is no more erratic, inconsistent finishes like those generated by conventional coated abrasives.

### Scotch-Brite™ Discs

For 50 years, 3M has set the standard in nonwoven products, providing maximum performance, proven value, greater selection – and continuous innovation.

Today, no 3M technology better embodies these qualities than Scotch-Brite products.

#### Only Scotch-Brite products:

- Improve surfaces without significantly changing workpiece shape or dimension
- Are equally well-suited for cleaning, blending, deburring, finishing and polishing
- Help prevent undercutting or gouging, through their controlled abrasive action
- Provide consistent, uniform finishes because fresh abrasive is continuously exposed to the work surface
- Run cool and resist loading with their open web construction, reducing the risk of part discoloration and warping and also extending the life of the products

For more information visit our website  
<http://www.3M.com/AirTools>

For warranty and  
repair service, call  
1-800-362-3550.



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**Warranty and Limited Remedy:** 3M warrants this tool against defects in workmanship and materials under normal operating conditions for one (1) year from the date of purchase. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M tool is fit for a particular purpose and suitable for user's application. User must operate the tool in accordance with all applicable operating instructions, safety precautions, and other procedures stated in the operating manual to be entitled to warranty coverage. 3M shall have no obligation to repair or replace any tool or part that fails due to normal wear, inadequate or improper maintenance, inadequate cleaning, non-lubrication, improper operating environment, improper utilities, operator error or misuse, alteration or modification, mishandling, lack of reasonable care, or due to any accidental cause. If a tool or any part thereof is defective within this warranty period, your exclusive remedy and 3M's sole obligation will be, at 3M's option, to repair or replace the tool or refund the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



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