



Versatile, convenient and efficient, 3M manufactures a complete line of coated abrasives to handle all of your random orbital abrasive needs. From pressure-sensitive adhesive coating on the back, to traditional hook-and-loop style abrasives, 3M offers a variety of attachment systems to meet your challenging applications.

## Discs

## Selection Guide

	Product	Mineral Type	Backing	Weight	Load-Resistant/ Grinding Aid	Substrate							Application				Metal Type			
						Gel Coat	Composites	Solid Surface	E-Coat	Primer/ Paint Prep	Wood	Metal	Grinding	Blending	Deburring	Finishing	Aluminum	Carbon Steel	Non-Ferrous (Brass/Bronze)	Stainless Steel
Good	NX	Aluminum Oxide	Paper	C/D	Y	•	•			•	•	•		•	•					
	216U	Aluminum Oxide	Paper	A	Y	•	•	•	•	•	•	•		•	•		•	•	•	
	255L	Aluminum Oxide	Film	Film	Y	•	•	•	•	•	•	•		•	•		•	•	•	
	426U	Silicon Carbide	Paper	A	Y					•	•	•							•	
Better	202DZ	Aluminum Oxide	Cloth	J	N						•	•		•	•		•	•	•	
	<b>UPGRADED!</b> 236U	Aluminum Oxide	Paper	C	Y	•	•	•	•	•	•	•		•	•		•	•	•	
	348D	Aluminum Oxide	Cloth	X	N						•	•		•	•		•	•	•	
	360L	Aluminum Oxide	Film	Film	N	•	•	•		•	•					•				
	363I	Aluminum Oxide	Paper	F	N	•	•		•	•	•	•		•	•		•			
Best	<b>NEW!</b> 375L	Aluminum Oxide	Film	Film	Y	•	•	•	•	•	•	•		•	•		•	•	•	
	366L	Aluminum Oxide	Film	Film	Y	•	•	•		•	•	•		•	•		•	•	•	
	735U	Blended Ceramic Aluminum Oxide	Paper	C	Y	•	•	•		•	•	•		•	•		•	•	•	
	777F	Aluminum Oxide	Cloth	Y	Y						•	•		•	•		•	•	•	
	900DZ	Ceramic	Cloth	J	N		•		•	•	•	•		•	•		•	•		

## Random Orbital Sanding – Unfinished Wood

### Application Information: 3M™ Stikit™ and Hookit™ Positioning Chart

Substrate	Backing	Stock Removal (Dimensioning) Grades 60–80	Medium Stock Removal (Intermediate Sanding) Grades P100–P150	Finishing (Defect Removal) Grades P180 and Finer
Hardwoods	Cloth	202DZ, 900DZ	202DZ, 900DZ	202DZ, 900DZ
	Film	255L, 366L, <b>375L NEW!</b>	255L, 366L, <b>375L NEW!</b>	255L, 366L, <b>375L NEW!</b>
	Paper	NX, 236U, 363I, 735U	NX, 236U, 735U	NX, 236U, 426U, 735U
Softwoods	Cloth	202DZ, 900DZ	202DZ, 900DZ	202DZ, 900DZ
	Film	255L, 366L, <b>375L NEW!</b>	255L, 366L, <b>375L NEW!</b>	255L, 366L, <b>375L NEW!</b>
	Paper	NX, 236U, 363I, 735U	NX, 236U, 735U	NX, 236U, 426U, 735U

### Starting Point Recommendations

#### Step 1

Initial sanding should level the work piece if not previously sanded by a wide belt machine. For quick leveling and aggressive, coarse sanding operations, use a disc in grade 80 or 100.

#### Step 2

Intermediate sanding should use a disc in grade 120 or 150, depending on the abrasive grade used on the previous step. It is recommended to skip no more than one grade between sanding steps.

#### Step 3

Recommend finishing using either grade 180 or 220. The wood type, machine parameters and finish used will determine the appropriate abrasive grade.

Work Piece	Hardwood			Softwood			
	Starting Point	Step 1	Step 2	Step 3	Step 1	Step 2	Step 3
<b>Heavy Sanding (required):</b> has a 60 or 80 grit wide belt finish or an 80 grit Random Orbital Sander finish	735U P100	735U P150	255L P220	426U 180*	735U P100	735U P120	735U P180
<b>Intermediate Sanding (required):</b> has a 100 or 120 grit wide belt finish or a 120 grit Random Orbital Sander finish	735U P150	255L P220	426U 180*		735U P180	426U 180*	
<b>Light Sanding (required):</b> has a 150–180 grit wide belt finish or a 150 grit Random Orbital Sander finish	426U 180*				735U P180	426U 180*	

\*426U is a final step option when finish is the most critical criteria.

When a finer finish is required for very hard woods such as hard maple or hickory, it might be necessary to use a disc that is one grade finer for the final step.

## 3M™ Hookit™ Discs – Paper Best

### 3M™ Hookit™ Paper Disc 735U

- 3M Ceramic abrasive grain on a C wt. paper backing
- Load resistant coating
- Excellent cut and long product life
- For whitewood random orbital sanding applications



Hole Configuration for Festool™ Power Tools

UPC Number	Diameter	Grade	Min/Case
051141-20726-1	5" x NH	P80	50/250
051141-20728-5	5" x NH	P100	50/250
051141-20730-8	5" x NH	P120	50/250
051141-20732-2	5" x NH	P150	50/250
051141-20734-6	5" x NH	P180	50/250
051141-20736-0	5" x NH	P220	50/250
051141-20727-8	5" x 5 Hole	P80	50/250
051141-20729-2	5" x 5 Hole	P100	50/250
051141-20731-5	5" x 5 Hole	P120	50/250
051141-20733-9	5" x 5 Hole	P150	50/250
051141-20792-6	5" x 5 Hole	P180	50/250
051141-20735-3	5" x 5 Hole	P220	50/250
051141-24036-7	6" x NH	P80	50/250
051141-24037-4	6" x NH	P100	50/250
051141-24038-1	6" x NH	P120	50/250
051141-24039-8	6" x NH	P150	50/250
051141-24040-4	6" x NH	P180	50/250
051141-24041-1	6" x NH	P220	50/250

#### Hole Configuration for Festool™ Power Tools

051141-20977-7	6" x 11/16" x 8 Hole	P80	250
051141-20979-1	6" x 11/16" x 8 Hole	P100	250
051141-20980-7	6" x 11/16" x 8 Hole	P120	250
051141-20981-4	6" x 11/16" x 8 Hole	P150	250
051141-20982-1	6" x 11/16" x 8 Hole	P180	250
051141-20978-4	6" x 11/16" x 8 Hole	P220	250

## 3M™ Hookit™ Discs – Film General Use

### 3M™ Hookit™ Gold Film Disc 255L

- Aluminum oxide on a film backing
- Strong, flexible, tear-resistant
- Excellent cut and long product life
- Engineered for better performance
- Provides a sharp cut, durability and outstanding finish
- Load resistant coating



UPC Number	Diameter	Grade	Min/Case
051131-00967-7	5" x NH	P80	75/300
051131-00966-0	5" x NH	P100	100/400
051131-00965-3	5" x NH	P120	100/400
051131-00964-6	5" x NH	P150	100/400
051131-00963-9	5" x NH	P180	100/400
051131-00962-2	5" x NH	P220	100/400
051131-00959-2	5" x NH	P320	100/400
051131-00957-8	5" x NH	P400	100/400
051131-01067-3	5" x 5 Hole	P80	75/300
051131-01066-6	5" x 5 Hole	P100	100/400
051131-01065-9	5" x 5 Hole	P120	100/400
051131-01064-2	5" x 5 Hole	P150	100/400
051131-01063-5	5" x 5 Hole	P180	100/400
051131-01062-8	5" x 5 Hole	P220	100/400
051131-01059-8	5" x 5 Hole	P320	100/400
051131-01057-4	5" x 5 Hole	P400	100/400
051111-69637-8	6" x NH	P80	75/300
051111-69638-5	6" x NH	P100	100/400
051111-69639-2	6" x NH	P120	100/400
051111-69640-8	6" x NH	P150	100/400
051111-69642-2	6" x NH	P220	100/400
051111-69645-3	6" x NH	P320	100/400