



**3M** Science.  
Applied to Life.™

# 3M™ Power Tools and Accessories

A full family of innovative tools  
to optimize abrasive performance  
and maximize productivity.



## 3M™ Replacement Parts

### Benefits

- Detailed schematic and parts list found in the tool instruction manual make it easy to identify the part(s) you need
- Each and every part is available individually and in stock
- Replacement parts are easy to find and order online 24/7 at [3M.com/PowerTools](https://www.3m.com/PowerTools)
- Genuine 3M replacement parts will provide new tool performance after maintenance and repair tasks are performed

Genuine 3M™ Replacement Parts are engineered specifically for your 3M™ Power Tools. All replacement parts meet the same specifications and design criteria as the original components. You can be assured the replacement parts will be identical in terms of fit, form, and function in comparison to the original parts, which will get your 3M™ Power Tools back in action.

# Table of Contents

<b>Metalworking Tools and Accessories</b> .....	<b>2–14</b>
Metalworking Performance Comparison .....	2
3M™ Cut-Off Wheel Tools .....	2
3M™ Grinders — Type 27 .....	3
Versatile Attachment System .....	5
3M™ Disc Sanders .....	4–6
Disc Sander Accessories .....	7–9
3M™ Match and Finish Sander .....	9
Match and Finish Sander Accessories .....	9
3M™ Inline Sander .....	10
Inline Sander Accessories .....	10
3M™ File Belt Sander and Kit .....	11
File Belt Sander Accessories .....	11
3M™ Die Grinders .....	12–13
Die Grinder Accessories .....	14
<b>Surface Preparation Tools and Accessories</b> .....	<b>15–25</b>
3M™ Random Orbital Sanders — Elite Series .....	15–16
3M™ Random Orbital Sanders — Original Series .....	17
Random Orbital Sander Accessories .....	17–19
3M™ Orbital Sanders — Elite Series .....	20
Orbital Sander Accessories .....	20
3M™ Orbital Sanders — Original Series .....	21
Orbital Sander Accessories .....	21
3M™ Random Orbital Sander, 2-Hand .....	22
3M™ Mini Sanders .....	22
Mini Sander Accessories .....	22
Orbital/Random Orbital Sander Accessories .....	23
3M™ Buffers .....	24
Buffer Accessories .....	24–25
<b>Repair and Refurbish Service</b> .....	<b>26–30</b>
3M™ Power Tool Repair and Refurbish Service .....	26
Refurbish Part Numbers List .....	26–30
<b>Maintenance and Repair Accessories</b> .....	<b>31–34</b>
General Pneumatic Tool Accessories .....	31
General Sanding Tips .....	31
Metalworking Tool Accessories .....	32
File Belt Sander Accessories .....	33
Orbital/Random Orbital Sander Accessories .....	34
<b>Quick Reference (tear-out sheet)</b> .....	<b>35–36</b>
3M™ Power Tools .....	35
3M™ Power Tool Accessories .....	36
<b>Index</b> .....	<b>37–40</b>
Part Number Index .....	37–38
UPC Number Index .....	39–40
<b>Safety Precautions</b> .....	<b>41</b>

# Metalworking Performance Comparison

<p>Least Aggressive</p> <p style="text-align: right;">Most Aggressive</p>	0.3 HP			
		Light Blending and Finishing	Mostly Surface Conditioning Discs	2" Discs
	0.5 HP			
		Light Grinding and Deburring	Surface Conditioning/ Coated Abrasive Discs	3" Discs
1.0 HP				
	Grinding	Mostly Coated Abrasive Discs	4" to 4-1/2" Discs and Wheels	
1.5 HP				
	Grinding	Fibre Discs/ Bonded Wheels	4-1/2" to 5" Discs and Wheels	

## 3M™ Cut-Off Wheel Tools

### 3M™ Cut-Off Wheel Tools

- Easily cuts through everything from standard rebar to oversized bolts
- Exclusive 3M™ Gripping Material for added comfort
- Model 28826 provides greater versatility and control with right angle head and easily repositionable guard



	Model No.	Tool Dia. Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	UPC
NEW	20233	3 (76)	1 (744)	25,000	37 (1,048)	91 (102)	2.6 (1.2)	8 (197)	3 (76)	3/8" NPT	051141-20233-4
NEW	28771	4 (100)	1 (744)	19,000	37 (1,048)	90 (102)	2.7 (1.2)	8 (197)	3 (83)	3/8" NPT	051141-28771-3
	28826	4-1/2-5 (115-125)	1.5 (1,120)	12,000	40 (1,133)	84 (92)	5.5 (2.5)	11 (279)	4 (111)	1/2" NPT	051141-28826-0



## Features of 1.5 HP Tools

- 1 Insulated rear handle with 3M™ Gripping Material
- 2 Aerospace grade aluminum and surface coating (MIL-A-8625, Type III)
- 3 Fully machined angle head and motor housing provides superior strength and durability
- 4 Spindle lock and provided spanner wrench make abrasive changes easy
- 5 Oiler screw and 3M™ Gear Oil 28827 eliminates messy grease guns and tubes; Drops of oil provided to angle head can be visually confirmed, ensuring appropriate lubrication has been applied
- 6 Quick release clamp allows the infinitely adjustable guard to be repositioned without the use of hand tools
- 7 Spindle-mounted autobalancer and vibration isolating side handle minimizes vibration felt by the operator

## 3M™ Grinders — Type 27

### 3M™ Grinders — Type 27

- Heavy duty gear heads for added durability under high force applications
- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- Repositionable steel guards for better visibility



Model No.	Tool Dia. Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Thread Size	UPC
<b>NEW</b> 28403	4 (100)	1 (744)	12,000	37 (1,048)	3.5 (1.6)	9 (216)	5 (114)	3/8" NPT	3/8-24 EXT	051141-28403-3
<b>NEW</b> 28405	4-1/2 (114.3)	1 (744)	12,000	37 (1,048)	3.7 (1.7)	9 (216)	5 (119)	3/8" NPT	5/8-11 EXT	051141-28405-7
28824	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	40 (1,133)	5.3 (2.4)	11 (279)	4 (105)	1/2" NPT	5/8-11 EXT	051141-28824-6



**Internal Feature:** Kevlar reinforced vanes increase tool life and help to provide consistent power

## Features of 2nd Generation 0.3 HP and 0.5 HP Disc Sanders

- 1 Ergonomic black jacket dampens vibration and insulates operator from temperature extremes
- 2 Ergonomic safety lever
- 3 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 4 97° heavy-duty head design provides optimal work piece visibility and ergonomics
- 5 Larger gear sets, spindle bearings and new seals (for increased durability)
- 6 Direct backup pad/abrasive mount to tool creates less vibration and makes tool easier to control

## Features of 2nd Generation 1 HP Right Angle Tools

**Internal Feature:** Kevlar reinforced vanes increase tool life and help to provide consistent power

- 1 Fully machined steel motor housing provides strength and durability
- 2 Wrench flats and overhose interface allow easier maintenance and compatibility with accessories
- 3 Spindle shaft and housing o-ring seal minimize external contaminants from entering the tool
- 4 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 5 No maintenance required. Heavy duty gearsets designed to last the life of the tool.

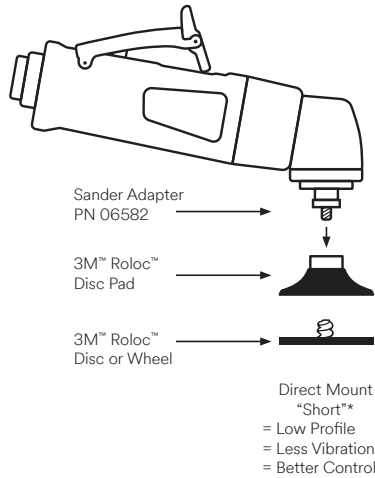


# Versatile Attachment System

## SHORT\*

### “Direct Mount” Backup Pad Attachment:

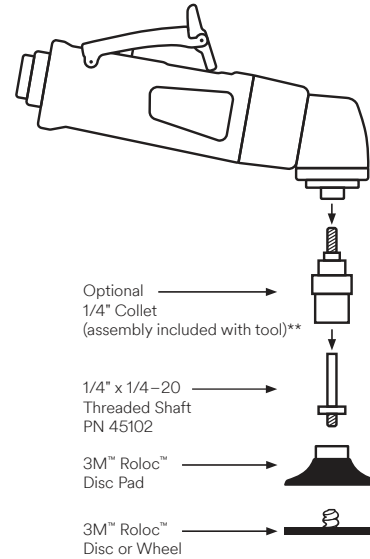
Shorter distance to the work piece generates less vibration and allows for better operator control.



## TALL

### 1/4" Collet Option:

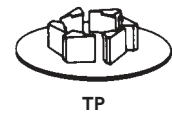
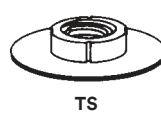
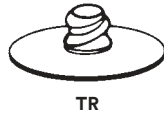
Allows for longer reach and mounting of other abrasives and 1/4" accessories.



\*Direct mount to disc pad.

\*\*For other collet inserts see Owners Manual for part numbers.

## 3M™ Roloc™ Attachment Systems



## 3M™ Disc Sanders

### 3M™ Disc Sanders

- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- 97° head for decreased wrist strain
- Easy-handling, compact design for less vibration
- 3M™ Roloc™ Disc Pads can directly mount to sander without collet
- 1/4" collet included with all 2" and 3" disc sanders



Model No.	Tool Dia. Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28341	2 (51)	0.3 (224)	20,000	17 (481)	1.1 (0.5)	6 (150)	3 (63)	1/4" NPT	1/4"	051141-28341-8
28328	2-3 (51-76)	0.3 (224)	12,000	17 (481)	1.1 (0.5)	7 (172)	3 (64)	1/4" NPT	1/4"	051141-28328-9
20231	2 (51)	0.5 (372)	20,000	26 (736)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	1/4"	051141-20231-0
28329	2-3 (51-76)	0.5 (372)	12,000	26 (736)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	1/4"	051141-28329-6
<b>NEW</b> 20232	2-3 (51-76)	1 (744)	15,000	37 (1,048)	3.1 (1.4)	8 (210)	3 (83)	3/8" NPT	1/4"	051141-20232-7
<b>NEW</b> 28408	4-5 (100-127)	1 (744)	12,000	37 (1,048)	3.1 (1.4)	8 (210)	4 (107)	3/8" NPT	1/4"	051141-28408-8
28825	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	40 (1,133)	4.9 (2.2)	11 (279)	4 (102)	1/2" NPT	1/4"	051141-28825-3

# 3M™ Disc Sanders

## 3M™ Pistol Grip Disc Sander

- Lightweight, low cost alternative to production tools for customers who need a tool for spot duty or intermittent use
- Excellent balance and generates less noise and vibration than other disc sanders
- Durable composite body for ergonomic feel
- Dual mount feature allows user to switch between direct mount (for maximum control) and collet mount (for extended reach); 1/4" collet included



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread Size	UPC
28547	90	3 (76)	15,000	0.45 (336)	Rotary	23 (651)	74 (85)	1.8 (0.8)	5 (122)	5 (136)	1/4-20 EXT	051141-28547-4

## 3M™ Pistol Grip Random Orbital Disc Sander

- Primarily intended for sanding in the automotive market
- Powerful, lightweight tool with excellent balance
- Durable composite body for ergonomic feel
- Pistol grip design allows you to sand in hard-to-reach areas such as those found in door jambs, bumpers, headlight lens, etc. with ease



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread Size	UPC
28353*	90	3 (76)	15,000	0.45 (336)	1/8 (3)	22 (623)	75 (82)	1.8 (0.8)	5 (122)	5 (136)	5/16-24 EXT	051141-28353-1

\*Replacement Pad PN20427

## Collet Insert Availability for 3M™ Disc Sanders



Tool Model No.	HP	RPM	Length	Collet Insert Size and Part Number				
				1/4" (06528)	1/8" (06529)	3/16" (06530)	3 mm (06540)	6 mm (06541)
28341	0.3	20,000	Regular	■	■	■	■	■
28328	0.3	12,000	Regular	■	■	■	■	■
20231	0.5	20,000	Regular	■	■	■	■	■
28329	0.5	12,000	Regular	■	■	■	■	■
20232	1	15,000	Regular	■	■	■	■	■



# Disc Sander Accessories

## 3M™ Disc and Wheel Accessories



Part No.	Size	Description	For Use With
28476	2-1/2" Diameter, 5/8–11 INT	Disc Pad Hub — Low Profile	Fibre Discs, 4-1/2" and 5"
45205	2-1/2" Diameter, 5/8–11 INT	Disc Pad Hub — Standard Profile	Fibre Discs, 4-1/2" and 5"
28442	2-1/2" Diameter, 3/8–24 INT	Disc Pad Hub — Low Profile	Fibre Discs, 4-1/2" and 5"
28656	4" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 4" x 7/8" CH
28657	4" Diameter	Disc Pad Face Plates — Ribbed; Black; Hard	Fibre Discs, 4" x 7/8" CH
28658	4" Diameter	Disc Pad Face Plates — Ribbed; Gray; Medium	Fibre Discs, 4" x 7/8" CH
28443	4-1/2" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 4-1/2" x 7/8" CH
14270	4-1/2" Diameter	Disc Pad Face Plates — Smooth; Black; Hard	Fibre Discs, 4-1/2" x 7/8" CH
13325	4-1/2" Diameter	Disc Pad Face Plates — Smooth; Gray; Medium	Fibre Discs, 4-1/2" x 7/8" CH
81732	5" Diameter	Disc Pad Face Plates — Ribbed; Red; Extra Hard	Fibre Discs, 5"
81733	5" Diameter	Disc Pad Face Plates — Ribbed; Black; Hard	Fibre Discs, 5"
81734	5" Diameter	Disc Pad Face Plates — Ribbed; Gray; Medium	Fibre Discs, 5"
51047	5/8–11 INT	Disc Retainer Nuts — 5/16" Depth	Fibre Discs, 4-1/2" and 5"
05622	5/8–11 INT	Disc Retainer Nuts — 3/8" Depth	Fibre Discs, 4-1/2" and 5"
56573	4-1/2" Diameter	NTN Backup Pad	3M™ Abrasives with Tinneman Nut Attachment, 4-1/2" (Excludes 3M™ Green Corps™ and General Purpose Wheels)
50146	4-1/2" Diameter	3M™ Green Corps™ Flexible Grinding Disc Backup Plate	Bonded Wheels, 4-1/2"
88765	5/8–11 INT	Flap Disc Adaptor Nut	Flap Discs, 4-1/2" x 7/8" CH
28739	1" x 5/8" x 3/8–24 INT	Flange Nuts	Wheels, 4" x 5/8" CH on 4" Grinders 28403 and 28413
28740	1" x 5/8–11 INT	Flange Nuts	Wheels, 4" x 5/8" CH on 4-1/2" Grinders 28405 and 28414

## 3M™ Disc Pad Holders (Hook and Loop)



Part No.	Size	Thickness	Thread Size	Density	Hook Type	UPC	MOQ
9215	1-1/2" x 1/4" Shank	1/8"	—	Firm	5	048011-04130-8	10
922	2" x 1/4" Shank	1/8"	—	Firm	5	048011-07494-8	1
923	3" x 1/4" Shank	1/8"	—	Firm	5	048011-04132-2	1
924	4" x 1/4" Shank	1/16"	—	Firm	5	048011-07492-4	5
914	4" x 3/8" CH	1/8"	5/8–11 INT	Firm	7	048011-05674-6	1
9145	4-1/2" x 3/8" CH	1/8"	5/8–11 INT	Firm	7	048011-14111-4	1
905	5"	1/4"	5/16–24 EXT	Medium	7	048011-09448-9	1
<b>NEW</b> 28890 (915CP)	5" x 7/8" CP*	1/4"	5/8–11 INT	Medium	7	051141-28890-1	1
<b>NEW</b> 28891 (9145CP)	4-1/2" x 7/8" CP*	1/4"	5/8–11 INT	Medium	7	051141-28891-8	1
<b>NEW</b> 28892 (914CP)	4" x 7/8" CP*	1/4"	5/8–11 INT	Firm	7	051141-28892-5	1

\*CP = Center Post, for use with 7/8" center hole Scotch-Brite™ Discs

# Disc Sander Accessories

## 3M™ Roloc™ Disc Pads TR



Part No.	Max RPM	Size Inch (mm)	Attachment	Density Rating	Thread Size	UPC	MOQ
45097	25,000	2 (51)	TR	Extra Hard	1/4-20 INT	051144-45097-8	5
45096	25,000	2 (51)	TR	Hard	1/4-20 INT	051144-45096-1	5
45093	20,000	3 (76)	TR	Extra Hard	1/4-20 INT	051144-45093-0	5
45091	20,000	3 (76)	TR	Hard	1/4-20 INT	051144-45091-6	5
83980	12,000	4 (102)	TR	Extra Hard	5/8-11 INT*	051144-83980-3	5
83489	12,000	4 (102)	TR	Hard	5/8-11 INT*	051144-83489-1	5
28474	12,000	4 (102)	TR	Hard	3/8-24 INT*	051141-28474-3	5
28475	12,000	4 (102)	TR	Extra Hard	3/8-24 INT*	051141-28475-0	5

\*Extended thread; no spacers required

## 3M™ Roloc™ Disc Pads TS/TSM



Part No.	Max RPM	Size Inch (mm)	Attachment	Density Rating	Thread Size	UPC	MOQ
77728	30,000	1-1/2 (38)	TS/TSM	Hard	1/4-20 INT	051144-77728-0	5
14212	25,000	2 (51)	TS/TSM	Hard	1/4-20 INT	051144-14212-5	5
14216	20,000	3 (76)	TS/TSM	Hard	1/4-20 INT	051144-14216-3	5
28576	12,000	4 (102)	TS/TSM	Hard	3/8-24 INT	051141-28576-4	5
28577	12,000	4 (102)	TS/TSM	Extra Hard	3/8-24 INT	051141-28577-1	5
28578	12,000	4 (102)	TS/TSM	Hard	5/8-11 INT	051141-28578-8	5
28579	12,000	4 (102)	TS/TSM	Extra Hard	5/8-11 INT	051141-28579-5	5

## 3M™ Roloc™ Cool Running Disc Pads



Part No.	Max RPM	Size Inch (mm)	# of Holes	Attachment	Density Rating	Thread Size	UPC	MOQ
82974	20,000	2 (51)	6	TR	Medium	1/4-20 INT	051144-82974-3	5
28711	20,000	2 (51)	6	TS/TSM	Hard	1/4-20 INT	051141-28711-9	5
82975	12,000	3 (76)	6	TR	Medium	1/4-20 INT	051144-82975-0	5
28710	12,000	3 (76)	6	TS/TSM	Hard	1/4-20 INT	051141-28710-2	5
02286	15,000	4 (102)	8	TR	Hard	3/8-24 INT	051111-56479-0	5
28473	15,000	4 (102)	8	TR	Hard	5/8-11 INT*	051141-28473-6	5
28580	15,000	4 (102)	8	TS/TSM	Hard	3/8-24 INT	051141-28580-1	5
28581	15,000	4 (102)	8	TS/TSM	Hard	5/8-11 INT*	051141-28581-8	5

\*Extended thread; no spacers required

# Disc Sander Accessories



## 3M™ Hookit™ Roloc™ Disc Pads TR

Part No.	Max RPM	Max OPM	Size Inch (mm)	Attachment	Shape	Density Rating	Hook Type	UPC	MOQ
82564	8,000	10,000	1 (25)	TR	15°	Medium	2	051144-82564-6	10
67415	10,000	10,000	1-1/16 (27)	TR	15°	Medium	1	051111-60311-6	20
82565	8,000	10,000	1-1/2 (38)	TR	15°	Medium	2	051144-82565-3	5
82566	8,000	10,000	2 (51)	TR	15°	Medium	2	051144-82566-0	5
82567	8,000	10,000	3 (76)	TR	15°	Medium	2	051144-82567-7	1

## 3M™ Disc Holder Adapter No. 9

Converts your 3/8–24 disc sander to accept 5/8–11 disc pads

Part No.	Thread Size	UPC	MOQ
22970	5/8–11 EXT x 3/8–24 INT	048011-22970-6	1



## 3M™ Roloc™ Shank

Part No.	Shank Size	Thread Size	UPC	MOQ
45102	1/4"	1/4–20 EXT	051144-45102-9	5



# 3M™ Match and Finish Sander

## 3M™ Match and Finish Sander

- Easy-to-operate tool for generating straight line finishes for stainless steel and other metals
- Use with Scotch-Brite™ Match and Finish Flap Brushes and 3M™ Rubber Slotted Expander Wheels



Model No.	Max RPM	Motor HP (W)	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Shaft Size	UPC
<b>NEW</b> 28659	3,500	1 (744)	37 (1,048)	5.6 (2.5)	14 (343)	3/8" NPT	5/8–11 EXT	051141-28659-4

# Match and Finish Sander Accessories

## 3M™ Rubber Slotted Expander Wheel and Adapter Kit



Part No.	Size	Description	UPC
28718	5" x 3-1/2" x 1" AH	Rubber slotted expander wheel for use with 3-1/2" x 15-1/2" belts	051141-28718-8
28719	1" x 5/8–11 INT	Wheel Adapter Kit to mount 28718 wheel on 3M™ Match and Finish Sander	051141-28719-5

# 3M™ Inline Sander

## 3M™ Inline Sander — 1 HP (744W)

- Generate straight line scratches for finishing stainless steel and other metals
- Use with inflatable or slotted wheel accessories and many other wheel products



28339

Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Shaft Size	UPC
<b>NEW</b> 28339	3,500	37 (1,048)	90 (102)	3.3 (1.5)	9 (216)	3/8" NPT	5/8"–11 EXT	051141-28339-5

## Inline Sander Accessories

### 3M™ Rubber Slotted Expander Wheels



77722

28348

28349

28718

Part No.	Size	Description	UPC
77722	3" x 3" x 5/8–11 INT	Rubber slotted expander wheel for use with 3" x 3" bands	051144-77722-8
28348	5" x 3-1/2" x 5/8" AH	Rubber slotted expander wheel for use with 3-1/2" W x 15-1/2" L belts	051141-28348-7
28349	3-2/5" x 3" x 5/8" AH	Rubber slotted expander wheel for use with 3" W x 10-11/16" L belts	051141-28349-4
28718	5" x 3-1/2" x 1" AH	Rubber slotted expander wheel for use with 3-1/2" W x 15-1/2" L belts	051141-28718-8

### 3M™ Wheel Adapter Kits\*

- Fits wheels with 5/8" or 1" AH

Part No.	Thread Size	Description	UPC	Case Quantity
45038	5/8–11 INT x 5/8–11 EXT	For use with Expander Wheels	051144-45038-1	1
04019	5/8–11 INT x 5/8–11 EXT	For use with Scotch-Brite™ Wheels	048011-04019-6	1
28419	5/8–11 INT x 1/2–20 EXT	For use with 1/2" Center Hole Wheels	051141-28419-4	1



45038

\*Kits include spacers, flanges and end nuts to mount expander wheels and other Scotch-Brite™ Wheels.

### 3M™ Replacement Spacers

Part No.	Description	UPC	Case Quantity
28636	1" OD x 5/8" ID x 3/8" thick	051141-28636-5	1
28637	1" OD x 5/8" ID x 3/16" thick	051141-28637-2	1



28636

28637

# 3M™ File Belt Sander and Kit

## 3M™ File Belt Sander and Kit

- Great for deburring, cleaning, blending and finishing in tight or hard-to-reach areas
- Balanced weight distribution and 3M™ Gripping Material for improved ergonomics and reduced wrist strain
- 360° rotatable housing and handle for the ultimate in versatility
- Attached belt cover won't fall off during belt changes
- Optimized belt speed for 3M™ Abrasive Belts and Scotch-Brite™ Belts



Model No.	Motor	Max RPM	Belt Speed SFPM (SMM)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	UPC
28366	0.6 HP	22,000	4990 (1521)	28 (793)	81 (90)	2.8 (1.3)	15 (370)	3 (75)	6 (151)	051141-28366-1
28367	Kit includes Molded Case, File Belt Sander (PN28366) and two Attachment Arms (PNs 28368, 28370)									051141-28367-8

## File Belt Sander Accessories

### 3M™ File Belt Sander Attachment Arms



	Part No.	Use With Belt Size	Description	UPC	Case Quantity
	28368	1/2" x 18"	<b>Standard Style:</b> Standard arm included with 3M™ File Belt Sander (PN28366). Sand with contact wheel or platen.	051141-28368-5	1
	28369	1/2" x 18"	<b>Thin Style:</b> Thinner than standard arm. Sand with contact wheel or platen.	051141-28369-2	1
	28370	1/8" x 18" 1/4" x 18" 1/2" x 18"	<b>Corners Style:</b> Sand corners and grooves with contact wheel. Accommodates three belt widths.	051141-28370-8	1
	28371	5/8" x 18" 3/4" x 18"	<b>Thick Standard Style:</b> Thicker than standard arm. Sand with contact wheel or platen. Accommodates two belt widths.	051141-28371-5	1
	28372	1/8" x 18" 1/4" x 18"	<b>Corners Style:</b> Sand corners and grooves with contact wheel. Accommodates two belt widths.	051141-28372-2	1
	28374	1/2" x 18"	<b>Curved Arm:</b> Unique curved arm used for blending flat areas. Sand with contact wheel or platen.	051141-28374-6	1
	28375	1/4" x 24" 1/2" x 24"	<b>Vessel Arm:</b> Unique large arm used for blending weld seams. Sand with 4" contact wheel. Includes tracking/control knob. Accommodates two belt widths.	051141-28375-3	1

### 3M™ File Belt Sander Extension

Part No.	Description	UPC	Case Quantity
28376	Use to extend arms to 24" length. Can be used with same attachment arm used for 18" length arms.	051141-28376-0	1





**Internal Feature:** Kevlar reinforced vanes increase tool life and help to provide consistent power

## Features of 2nd Generation 0.3 HP and 0.5 HP Die Grinders

- 1 Ergonomic black jacket dampens vibration and improved grip
- 2 Ergonomic safety lever
- 3 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 4 Shrouded clamp nut resists debris entry into tool



**Internal Feature:** Kevlar reinforced vanes increase tool life and help to provide consistent power

## Features of 2nd Generation 1 HP Die Grinders

- 1 Fully machined steel motor housing provides strength and durability
- 2 Wrench flats and overhose interface allow easier maintenance and compatibility with accessories
- 3 Spindle shaft and housing o-ring seal minimize external containments from entering the tool
- 4 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions

# 3M™ Die Grinders

## 3M™ Die Grinders — 0.3 HP (224W)

- Ideal for light-duty applications such as deburring, blending, finishing and polishing in intricate and hard-to-reach areas
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28630	25,000	17 (481)	86 (98)	1.4 (0.6)	10 (248)	1 (35)	1/4" NPT	1/4"+	051141-28630-3
28629	25,000	17 (481)	78 (90)	0.9 (0.4)	6 (152)	1 (35)	1/4" NPT	1/4"+	051141-28629-7
28628	18,000	17 (481)	80 (92)	1.5 (0.7)	11 (267)	1 (35)	1/4" NPT	1/4"+	051141-28628-0
28627	18,000	17 (481)	79 (91)	1.2 (0.5)	7 (184)	1 (35)	1/4" NPT	1/4"+	051141-28627-3

\*Includes 1/8" collet insert (PN55772)

## 3M™ Die Grinders — 0.5 HP (372W)

- Ideal for medium-duty applications such as polishing, buffing, shaping and deburring
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
28330	18,000	26 (736)	87 (99)	1.1 (0.5)	7 (175)	3 (70)	1/4" NPT	1/4"	051141-28330-2
28331	18,000*	26 (736)	87 (99)	1.5 (0.7)	11 (270)	3 (70)	1/4" NPT	1/4"	051141-28331-9
28332	4,000	26 (736)	87 (99)	1.6 (0.7)	9 (200)	3 (70)	1/4" NPT	1/4"	051141-28332-6

\*With extension

## 3M™ Die Grinders — 1 HP (744W)

- Excellent for big jobs such as weld or stock removal
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



Model No.	Max RPM	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Collet Size	UPC
<b>NEW</b> 20237	20,000	37 (1,048)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	1/4"	051141-20237-2
<b>NEW</b> 20238	18,000	37 (1,048)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	1/4"	051141-20238-9
<b>NEW</b> 28770	18,000	37 (1,048)	3.0 (1.4)	13 (318)	3 (73)	3/8" NPT	1/4"	051141-28770-6
<b>NEW</b> 20239	12,000	37 (1,048)	2.6 (1.2)	9 (200)	3 (81)	3/8" NPT	1/4"	051141-20239-6
<b>NEW</b> 20240	8,000	37 (1,048)	2.6 (1.2)	9 (200)	3 (81)	3/8" NPT	1/4"	051141-20240-2

## Collet Insert Availability for 3M™ Die Grinders



Tool Model No.	HP	RPM	Length	Collet Insert Size and Part Number									
				1/8" (06573)	1/8" (55772)	3/16" (06574)	1/4" (06575)	1/4" (55752)	3/8" (06545)	3 mm (06576)	6 mm (06577)	8 mm (06546)	
28630	0.3	25,000	Extended		■				■				
28629	0.3	25,000	Regular		■				■				
28628	0.3	18,000	Extended		■				■				
28627	0.3	18,000	Regular		■				■				
28330	0.5	18,000	Regular	■		■	■		■	■	■	■	■
28331	0.5	18,000	Extended		■				■				
28332	0.5	4,000	Regular	■		■	■		■	■	■	■	■
20237	1	20,000	Regular	■		■	■		■	■	■	■	■
20238	1	18,000	Regular	■		■	■		■	■	■	■	■
28770	1	18,000	Extended	■		■	■		■	■	■	■	■
20239	1	12,000	Regular	■		■	■		■	■	■	■	■
20240	1	8,000	Regular	■		■	■		■	■	■	■	■

# Die Grinder Accessories

## 3M™ Die Grinder Mandrels 1/4" Shank Diameter

For Use With	Size Pilot Dia. x Pilot Length x Shank Dia.	UPC
Cartridge Rolls	1/8" x 1" x 1/4"	051144-45119-7
Cartridge Rolls	3/16" x 1" x 1/4"	051144-45117-3
Cartridge Rolls	3/16" x 1/2" x 1/4"	051144-45118-0
Cross/Square Pads (and Cross Buffs)	1/4" x 1/4-20 EXT thread	051144-14308-5
Cross/Square Pads (and Cross Buffs)	1/4" x 8-32 EXT thread	051144-14307-8
Cross/Square Pads (and Cross Buffs)	1/4" x 3-48 EXT thread	051141-28385-2

Part No.	For Use With	Size Length x Shank Dia. x Flange Support Dia.	UPC
936	Deburring Wheels/Radial Bristle Discs	2-1/16" x 1/4" x 3/4" (not pictured)	048011-04018-9
990	Deburring Wheels/Radial Bristle Discs	1-3/4" x 1/4"	048011-15012-3
944	Stars	1/4" x 1/4-20 EXT	048011-13928-9
935	Strips/Polishing Rolls	2-7/8" x 1/4"	048011-04020-2



For Cartridge Rolls



For Cross/Square Pads



For Deburring Wheels



For Stars



For Strips/Polishing Rolls

## 3M™ Forked Spindle

For Use With	Size	UPC
Strips/Polishing Rolls	3" x 1/16" x 1/4"	051144-45121-0



Forked Spindle

## 3M™ PG Wheel Adapter 81A

For Use With	Size	UPC
T-84 Flap Wheels	1/4-20 INT thread x 1/4" shank	051144-45081-7



81A

## 3M™ Rubber Cushion Polishing Wheels for Abrasive Bands

Diameter x W x Shaft	Max RPM	UPC
1/4" x 1/2" x 1/8"	23,000	051144-45159-3
1/2" x 1/2" x 1/4"	30,000	051144-45156-2
1/2" x 1" x 1/4"	15,000	051144-45153-1
1/2" x 1-1/2" x 1/4"	15,000	051144-45152-4
3/4" x 1" x 1/4"	17,000	051144-45145-6
3/4" x 1-1/2" x 1/4"	10,000	051144-45144-9
1" x 1" x 1/4"	18,000	051144-45139-5
1" x 1-1/2" x 1/4"	10,000	051144-45138-8
1-1/2" x 1" x 1/4"	14,000	051144-45132-6
1-1/2" x 1-1/2" x 1/4"	10,000	051144-45131-9
1-1/2" x 2" x 1/4"	8,000	051144-45130-2
2" x 1" x 1/4"	11,000	051144-45129-6



## 3M™ Rubber Slotted Expander Wheels

Part No.	Size	Description	UPC
77717	1" x 1" x 1/4" Shank	For use with 1" x 1" bands	051144-77717-4
77718	1-1/2" x 1" x 1/4" Shank	For use with 1-1/2" x 1" bands	051144-77718-1
77720	2" x 1" x 1/4" Shank	For use with 2" x 1" bands	051144-77720-4
77721	2" x 2" x 1/4" Shank	For use with 2" x 2" bands	051144-77721-1





# 3M™ Random Orbital Sanders — Elite Series

We took our best line of air-powered 3M™ Random Orbital Sanders and made it better.



## Upgrades from Original Series — Improved durability, ergonomics and noise level

- 1 Aluminum housing for added durability and reduced vibration; Durable composite cover helps prevent cracked housings
- 2 **Recessed Lever** eliminates pinch points
- 3 Extended cover with **3M™ Gripping Material** allows better control with reduced effort, insulates from cold and reduces vibration
- 4 Safer **Thumb Wheel** mounted speed control reduces inadvertent speed changes
- 5 Wider port for **more efficient dust capture**
- 6 **Internal Muffler** results in less breakage, SGV 6 dB quieter
- 7 **Integrated Wrist Support** for comfort and leverage
- 8 Clearance for large inlet coupler
- 9 **Center Mount Exhaust** for more finger room, better dust collection airflow

**Bold Text** = Proprietary 3M Design Feature

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



**3/32" Diameter Orbit — Chrome Lever**  
fine finish sanding



**3/16" Diameter Orbit — Silver Lever**  
general purpose sanding



**5/16" Diameter Orbit — Black Lever**  
aggressive sanding



**3/8" Diameter Orbit — Gold Lever**  
most aggressive sanding

## Basic ROS Techniques

- 1) Start the tool **ON** the surface; stop the tool **OFF** the surface
- 2) Run the tool flat on work piece (no tipping on edge)
- 3) Light operator hand pressure (let the tool do the work)
- 4) North, south, east, west sanding pattern for a uniform, quality finish

## Troubleshooting Checklist

- Check for correct PSI and RPM
- Check airline length, leaks, fitting and inside diameter
- Check tool lubrication schedule
- Look for worn bearings
- Look for damaged disc pad
- Are the tool and disc pad diameter the same?
- Is the lever damaged or the muffler clogged?
- Is the speed control adjuster turned down?

# 3M™ Random Orbital Sanders — Elite Series

## 3M™ Elite Non-Vacuum Random Orbital Sanders

- Our top-of-the-line non-vacuum random orbital sanders featuring the latest in 3M innovation



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28494	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	73 (84)	1.5 (.7)	6 (147)	4 (92.5)	Hookit™ 20350	051141-28494-1
87092	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	73 (84)	1.3 (.6)	6 (147)	3 (86)	Hookit™ 20350	051125-87092-4
28583	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28583-2
28495	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28495-8
28497	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28497-2
28708	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	74 (85)	1.8 (.8)	7 (172)	4 (91)	Hookit™ 20352	051141-28708-9
28498	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	74 (85)	1.7 (.8)	7 (172)	4 (91)	Stikit™ 20351	051141-28498-9
28582	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	75 (86)	1.9 (.9)	7 (187)	4 (91)	Stikit™ 20354	051141-28582-5
28499	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	75 (86)	1.9 (.9)	7 (187)	4 (91)	Stikit™ 20354	051141-28499-6
28500	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	75 (86)	1.9 (.8)	7 (187)	4 (91)	Stikit™ 20354	051141-28500-9
28501	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	75 (86)	2.1 (1.0)	7 (187)	4 (91)	Stikit™ 20354	051141-28501-6

## 3M™ Elite Self-Generated Vacuum Random Orbital Sanders\*

- Take dust-management to the next level with powerful self-generated vacuum tools
- Featuring 3M patented Clean Sanding system with improved filter bag



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28511	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	85 (96)	1.7 (.8)	8 (209)	4 (93)	Hookit™ 20350	051141-28511-5
28513	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	85 (96)	1.4 (.7)	8 (207)	3 (88)	Hookit™ 20350	051141-28513-9
28563	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	84 (95)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28563-4
28512	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	86 (97)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28512-2
28514	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	86 (97)	1.9 (.9)	9 (234)	4 (93)	Hookit™ 20353	051141-28514-6
28515	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	86 (97)	1.8 (.8)	9 (234)	4 (93)	Hookit™ 20353	051141-28515-3
28562	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	87 (94)	2.1 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28562-7
28510	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	88 (99)	2.0 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28510-8
28516	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	89 (100)	2.0 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28516-0
28517	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	88 (99)	1.9 (.9)	10 (245)	4 (93)	Hookit™ 20356	051141-28517-7

\*One (1) each of the following included: 3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal

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

- Easily attaches to your existing central vacuum system for efficient dust-evacuation



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28503	3 (76)	12,000	0.28 (209)	3/16 (5)	17 (481)	72 (83)	1.8 (.8)	8 (203)	4 (93)	Hookit™ 20350	051141-28503-0
28505	3 (76)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	72 (83)	1.4 (.6)	8 (201)	3 (88)	Hookit™ 20350	051141-28505-4
28561	5 (127)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	73 (84)	1.9 (.9)	9 (227)	4 (93)	Hookit™ 20353	051141-28561-0
28504	5 (127)	12,000	0.28 (209)	5/16 (8)	17 (481)	73 (84)	1.9 (.9)	9 (227)	4 (93)	Hookit™ 20353	051141-28504-7
28506	5 (127)	12,000	0.28 (209)	3/16 (5)	17 (481)	73 (84)	1.8 (.8)	9 (227)	4 (93)	Hookit™ 20353	051141-28506-1
28507	5 (127)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	73 (84)	1.8 (.8)	9 (227)	4 (93)	Hookit™ 20353	051141-28507-8
28560	6 (152)	12,000	0.28 (209)	3/8 (9.5)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28560-3
28502	6 (152)	12,000	0.28 (209)	5/16 (8)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28502-3
28508	6 (152)	12,000	0.28 (209)	3/16 (5)	17 (481)	76 (87)	2.0 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28508-5
28509	6 (152)	12,000	0.28 (209)	3/32 (2.5)	17 (481)	76 (87)	1.9 (.9)	9 (238)	4 (93)	Hookit™ 20356	051141-28509-2

NEW

# 3M™ Random Orbital Sanders — Original Series

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

- Take dust-management to the next level with powerful self-generated vacuum tools
- Featuring 3M patented Clean Sanding system with improved filter bag



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20319	5 (127)	12,000	0.24 (179)	3/16 (5)	17 (481)	85 (93)	1.8 (.8)	9 (219)	3 (85)	Hookit™ 20353	051141-20319-5
20208	6 (150)	12,000	0.24 (179)	5/16 (8)	17 (481)	82 (92)	2.0 (.9)	9 (233)	3 (83)	Hookit™ 20356	051141-20208-2
20327	6 (150)	12,000	0.24 (179)	3/16 (5)	17 (481)	83 (92)	2.0 (.9)	9 (231)	3 (85)	Hookit™ 20356	051141-20327-0

\*One (1) each of the following included: 3M™ Clean Sanding Filter Bag, Filter Bag Adapter, Hose Seal

## 3M™ Non-Vacuum Random Orbital Sanders

- Powerful and popular non-vacuum tools meet or exceed highest performance standards



Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20317	5 (127)	12,000	0.24 (179)	3/16 (5)	17 (481)	80 (88)	1.7 (.8)	6 (150)	3 (83)	Stikit™ 20351	051141-20317-1
20324	6 (152)	12,000	0.24 (179)	5/16 (8)	17 (481)	77 (85)	1.8 (.8)	6 (164)	3 (83)	Stikit™ 20354	051141-20324-9
20325	6 (152)	12,000	0.24 (179)	3/16 (5)	17 (481)	79 (83)	1.7 (.8)	6 (162)	3 (83)	Stikit™ 20354	051141-20325-6

## Random Orbital Sander Accessories

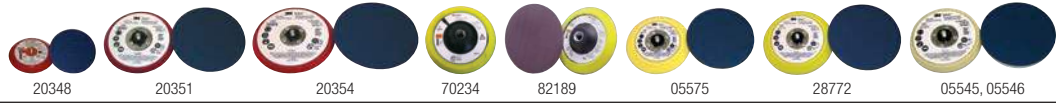
### 3M™ Hookit™ Clean Sanding Disc Pad Hook Savers



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Ctr. Hole Dia. Inch	Face Color	# of Holes	Use With	Hook Type	UPC	MOQ
28326	15,000	15,000	3 (76)	—	Black	3	PN20350	2	051141-28326-5	20
20444	12,000	12,000	5 (125)	—	Black	44	PN20353	2	051141-20444-4	20
20443	12,000	12,000	5 (125)	3/4	Black	31	PN20206	2	051141-20443-7	20
20446	12,000	12,000	6 (152)	—	Black	52	PN20356	2	051141-20446-8	20
20445	12,000	12,000	6 (152)	3/4	Black	25	PN05865	2	051141-20445-1	20

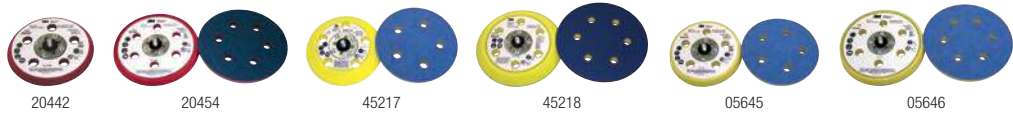
# Random Orbital Sander Accessories

## 3M™ Stikit™ Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	Density Rating	Face Color	UPC	MOQ
<b>Low Profile Disc Pads (Firm)</b>								
20348	15,000	15,000	3 (76)	1/4-20 EXT	Firm	Blue	051141-20348-5	10
20351	12,000	12,000	5 (125)	5/16-24 EXT	Firm	Blue	051141-20351-5	1
20354	12,000	12,000	6 (152)	5/16-24 EXT	Firm	Blue	051141-20354-6	1
<b>Standard Profile Disc Pads (Medium)</b>								
70234	12,000	—	5 (125)	5/8-11 INT	Medium	Blue	051111-55813-3	5
82189	12,000	—	5 (125)	5/8-11 INT	Medium	Red	051144-82189-1	10
05575	10,000	12,000	5 (125)	5/16-24 EXT	Medium	Blue	051144-05575-3	1
28772	10,000	12,000	6 (152)	5/16-24 EXT	Medium	Blue	051141-28772-0	1
<b>Low Profile Finishing Disc Pads (Soft)</b>								
05545	12,000	12,000	5 (125)	5/16-24 EXT	Soft	Blue	051131-05545-2	10
05546	10,000	12,000	6 (152)	5/16-24 EXT	Soft	Blue	051131-05546-9	1

## 3M™ Stikit™ D/F Disc Pads (Vacuum)



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Face Color	UPC	MOQ
<b>Low Profile Disc Pads (Firm)</b>									
20442	12,000	12,000	5 (125)	5/16-24 EXT	5	Firm	Blue	051141-20442-0	1
20454	12,000	12,000	6 (152)	5/16-24 EXT	6	Firm	Blue	051141-20454-3	1
<b>Standard Profile Disc Pads (Medium)</b>									
45217	10,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Blue	051144-45217-0	10
45218	10,000	12,000	6 (152)	5/16-24 EXT	6	Medium	Blue	051144-45218-7	10
<b>Low Profile Finishing Disc Pads (Soft)</b>									
05645	12,000	12,000	5 (125)	5/16-24 EXT	5	Soft	Blue	051131-05645-9	10
05646	10,000	12,000	6 (152)	5/16-24 EXT	6	Soft	Blue	051131-05646-6	1

# Random Orbital Sander Accessories

## 3M™ Hookit™ Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	Density Rating	Face Color	Hook Type	UPC	MOQ
<b>Low Profile Disc Pads (Firm)</b>									
20352	12,000	12,000	5 (125)	5/16-24 EXT	Firm	Black	2	051141-20352-2	1
20355	12,000	12,000	6 (152)	5/16-24 EXT	Firm	Black	2	051141-20355-3	10
<b>Standard Profile Disc Pads (Medium)</b>									
85105	12,000	—	5 (125)	5/8-11 INT	Medium	Yellow	1	051144-85105-8	1
85096	12,000	—	5 (125)	5/8-11 INT	Medium	Yellow	1	051144-85096-9	10
05775	12,000	12,000	5 (125)	5/16-24 EXT	Medium	Yellow	1	051131-05775-3	1
70138	12,000	12,000	6 (152)	5/16-24 EXT	Medium	Yellow	1	051141-28209-6	1
<b>Low Profile Finishing Disc Pads (Soft)</b>									
77855	12,000	12,000	5 (125)	5/16-24 EXT	Soft	Yellow	1	051144-77855-3	10

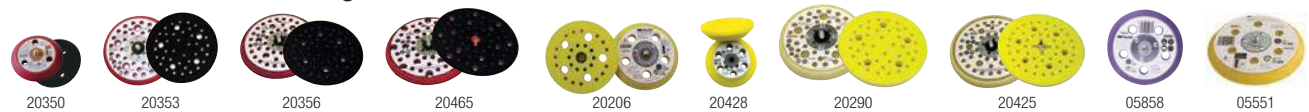
## 3M™ Hookit™ D/F Disc Pads (Vacuum)



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Face Color	Hook Type	UPC	MOQ
<b>Standard Profile Disc Pads (Medium)</b>										
82659	12,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Yellow	1	051144-82659-9	10
28411*	12,000	12,000	5 (125)	5/16-24 EXT	5	Medium	Yellow	1	051141-28411-8	10
05876	12,000	12,000	6 (152)	5/16-24 EXT	7	Medium	Yellow	1	051131-05876-7	1
<b>Low Profile Finishing Disc Pads (Soft)</b>										
77856	12,000	12,000	5 (125)	5/16-24 EXT	5	Soft	Yellow	1	051144-77856-0	10

\*5" backup pad for 6" Random Orbital Sander

## 3M™ Hookit™ Clean Sanding Disc Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Ctr. Hole Dia. Inch	Thread Size	# of Holes	Density Rating	Hook Type	UPC	MOQ
<b>Low Profile Disc Pads (Firm)</b>										
20350	15,000	15,000	3 (76)	—	1/4-20 EXT	3	Firm	2	051141-20350-8	10
20353	12,000	12,000	5 (125)	—	5/16-24 EXT	44	Firm	2	051141-20353-9	10
20356	12,000	12,000	6 (152)	—	5/16-24 EXT	52	Firm	2	051141-20356-0	10
20465	12,000	12,000	6 (152)	5/8	5/16-24 EXT	49	Firm	2	051141-20465-9	10
<b>Standard Profile Disc Pads (Medium)</b>										
20206	12,000	12,000	5 (125)	3/4	5/16-24 EXT	31	Medium	1	051141-20206-8	10
<b>Low Profile Finishing Disc Pads (Soft)</b>										
20428	12,000	12,000	3 (76)	—	1/4-20 EXT	6	Soft	1	051141-20428-4	10
20290	12,000	12,000	5 (125)	—	5/16-24 EXT	44	Soft	1	051141-20290-7	10
20425	10,000	12,000	6 (152)	5/8	5/16-24 EXT	52	Soft	1	051141-20425-3	10
<b>Painter's Pads</b>										
05858	12,000	12,000	5 (125)	3/4	5/16-24 EXT	31	Soft	1	051131-05858-3	1
05551	12,000	12,000	6 (152)	3/4	5/16-24 EXT	25	Soft	1	051131-05551-3	1

3M™ Hookit™ Clean Sanding Interface Pads also available. See 3M™ Accessories Catalog.

# 3M™ Orbital Sanders — Elite Series



## 3M™ Elite Series Orbital Sanders

- Ideal for sanding in tight areas or on vertical surfaces

Model No.	Tool Size Inch (mm)	Max OPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
<b>Non-Vacuum</b>											
28527	2-3/4 x 7-3/4 (70 x 198)	10,000	0.28 (209)	1/8 (3)	17 (481)	75 (86)	2.1 (1.0)	8 (206)	4 (104)	Hookit™ 28531	051141-28527-6
<b>Self-Generated Vacuum</b>											
28529	2-3/4 x 7-3/4 (70 x 198)	10,000	0.28 (209)	1/8 (3)	17 (481)	86 (97)	2.2 (1.0)	11 (268)	4 (104)	Hookit™ 28531	051141-28529-0

## Orbital Sander Accessories

### 3M™ Stikit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	Density Rating	Face Color	UPC	MOQ
28660	10,000	2-3/4" x 7-3/4"	1/2"	Medium	Blue	051141-28660-0	5

### 3M™ Hookit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	# of Holes	Density Rating	Hook Type	UPC	MOQ
<b>Clean Sanding</b>								
28531	10,000	70mm x 198mm	12.7mm	56	Medium	1	051141-28531-3	5

# 3M™ Orbital Sanders — Original Series



## 3M™ Orbital Sanders

- Ideal for sanding in tight areas or on vertical surfaces

Model No.	Tool Size Inch (mm)	Max OPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
<b>Non-Vacuum</b>											
20331	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	73 (81)	1.4 (0.7)	5 (139)	3 (84)	Hookit™ 20433	051141-20331-7
<b>Central-Vacuum-Ready</b>											
20430	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	72 (82)	1.5 (0.7)	5 (139)	3 (84)	Clean Sanding Hookit™ 20435	051141-20430-7
<b>Self-Generated Vacuum</b>											
20431	3 × 4 (75 × 100)	10,000	0.24 (179)	1/8 (3)	17 (481)	88 (93)	1.6 (0.7)	6 (142)	3 (84)	Clean Sanding Hookit™ 20435	051141-20431-4

## Orbital Sander Accessories

### 3M™ Stikit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	Density Rating	Face Color	UPC	MOQ
20432	10,000	3" x 4"	1/2"	Medium	Blue	051141-20432-1	10

### 3M™ Hookit™ Sheet Pads



Part No.	Max OPM	Size	Thickness	# of Holes	Density Rating	Hook Type	UPC	MOQ
20433	10,000	3" x 4"	1/2"	—	Medium	1	051141-20433-8	10
<b>Clean Sanding</b>								
20435	10,000	3" x 4"	1/2"	33	Medium	1	051141-20435-2	10

### 3M™ Hookit™ Clean Sanding Disc Pad Hook Savers



Part No.	Max OPM	Size	Face Color	# of Holes	Use With	Hook Type	UPC	MOQ
28325	12,000	3" x 4"	Black	33	PN20435	2	051141-28325-8	20

# 3M™ Random Orbital Sander, 2-Hand



## 3M™ Random Orbital Sander, 2-Hand

- For extra leverage and power, choose the two-handed 3M™ Random Orbital Sander
- Features a powerful 0.45 HP motor with 3/8" orbit, built-in muffler and rear exhaust

Model No.	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Clean Sanding Pad Included	UPC
<b>Central-Vacuum-Ready/Non-Vacuum</b>											
28337	6 (150)	12,000	0.45 (336)	3/8 (9.5)	21 (594)	81 (89)	3 (1.32)	13 (328)	4 (113)	Hookit™ 20356*	051141-28337-1
<b>Self-Generated Vacuum</b>											
28335	6 (150)	12,000	0.45 (336)	3/8 (9.5)	21 (594)	91 (94)	3 (1.32)	13 (328)	4 (113)	Hookit™ 20356*	051141-28335-7

\*For 5" sanding using the 2-Hand Sander, use the 5" 3M™ Hookit™ D/F Disc Pad 28411

## 3M™ Mini Sanders

### 3M™ Elite Series Mini Orbital Sander

- Longer life vanes and improved skirt attachment system for greater durability
- Exclusive 3M™ Gripping Material cover for operator comfort
- Aluminum body for lighter weight and improved balance
- 3M™ Roloc™ Attachment System for sanding pad and integral tool hanger for increased usability
- Use with 3M™ Trizact™ Finesse-it™ Paint Repair System



Model No.	PSI	Tool Size Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
28737	90	1-1/4 x 3/16	8,000	0.48 (358)	1/8 (3)	23 (651)	76 (87)	0.6 (0.3)	8 (193)	4 (104)	Roloc™ 02345 w/Stikit™ Face	051141-28737-9

### 3M™ Mini-Random Orbital Sander

- Ergonomically designed for operator comfort and control
- Low profile design reduces chance of tipping and undercutting
- Direct mount 3M™ Roloc™ Sanding Pad allows close proximity to the work surface
- Use with 3M™ Trizact™ Finesse-it™ Paint Repair System



Model No.	PSI	Tool Size Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
20244	90	1-1/4 x 3/16	8,000	0.24 (179)	3/16 (5)	15 (425)	73 (80)	1.0 (0.5)	5 (120)	3 (85)	Roloc™ 02345 w/Stikit™ Face	051141-20244-0

## Mini Sander Accessories



### 3M™ Finesse-it™ Roloc™ Sanding Pads TR

Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Density Rating	Description	UPC	MOQ
02345	10,000	12,000	1-1/4 (32)	Medium	PSA	051111-50198-6	10
02511	10,000	12,000	1-1/4 (32)	Firm	PSA	051111-51150-3	10

### 3M™ Hookit™ Roloc™ Disc Pads TR

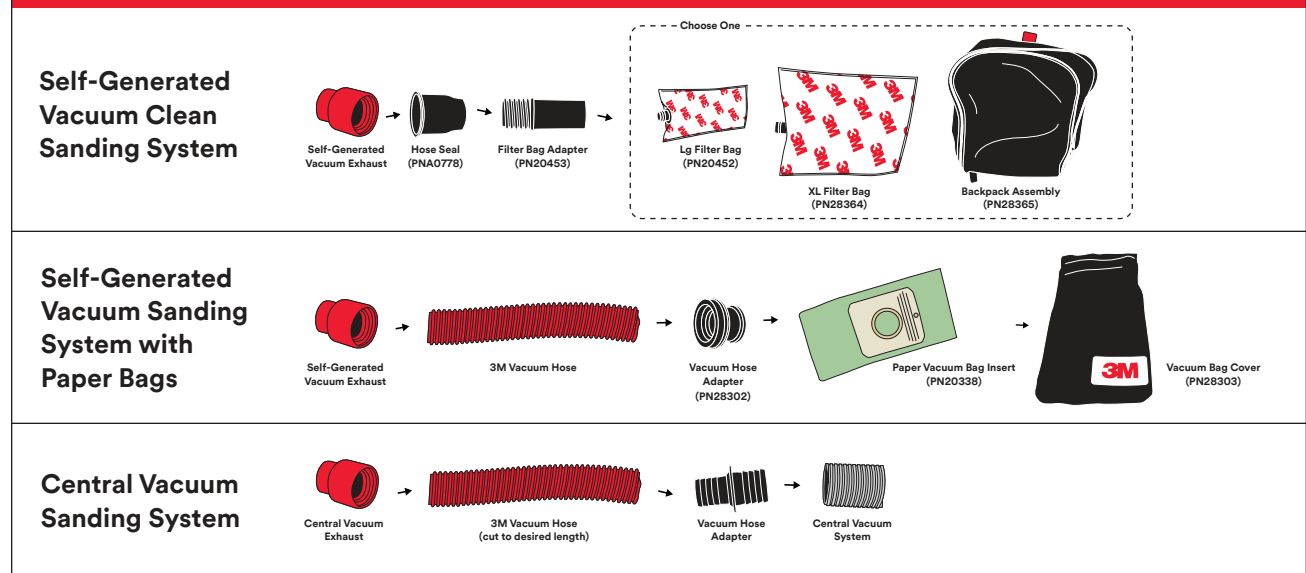


Part No.	Max RPM	Max OPM	Size Inch (mm)	Attachment	Shape	Density Rating	Hook Type	UPC	MOQ
82564	8,000	10,000	1 (25)	TR	15°	Medium	2	051144-82564-6	10
67415	10,000	10,000	1-1/16 (27)	TR	15°	Medium	1	051111-60311-6	20
82565	8,000	10,000	1-1/2 (38)	TR	15°	Medium	2	051144-82565-3	5



# Orbital/Random Orbital Sander Accessories

## How to Assemble Self-Generated and Central Vacuum Sanding Systems



### 3M™ Clean Sanding Filter Bags and Adapters

Part No.	Description	UPC	MOQ
20452	Large Filter Bag — HEPA-rated (holds up to 0.5 lbs.)	051141-20452-9	50
28364	Extra-Large Filter Bag — HEPA-rated (holds up to 3 lbs.)	051141-28364-7	20
28365	Backpack Assembly (holds PN28364)	051141-28365-4	1
28383	Filter Bag End Cap — 1" Diameter	051141-28383-8	1
20453	Filter Bag Adapter — 1" EXT Hose Thread x 1" Diameter	051141-20453-6	10
A0778	Hose Seal	051115-28146-4	1

### 3M™ Paper Vacuum Bags and Adapters

Part No.	Description	Size	UPC	MOQ
20338	Paper Vacuum Bag Inserts, Green — Collects dust when using Self-Gen Vacuum Sander	1" INT	051141-20338-6	50
28303	Vacuum Bag Cover — Holds and protects paper vacuum bag inserts (PN20338)	9" x 20"	051141-28303-6	1
28302	Vacuum Hose Adapter — Connects 1" EXT vacuum hose to paper vacuum inserts (PN20338)	1" INT	051141-28302-9	1

### 3M™ Vacuum Hoses

Part No.	Description	Inner Dia.	Length	Thread	UPC	MOQ
28730	Black, Anti-Static	1"	4 ft.	1" EXT	051141-28730-0	1
28301	Red	1"	6 ft.	1" EXT	051141-28301-2	1
28393	Red	1"	60 ft.	1" EXT	051141-28393-7	1

### 3M™ Vacuum Hose Adapters

Part No.	End 1	End 2	UPC	MOQ
30442	1" INT Thread	1" INT Thread	051141-30442-7	1
20340	1" INT Thread	1-1/4" INT Thread	051141-20340-9	1
28304	1" EXT Thread	1" Push-On	051141-28304-3	1
30324	1" INT Thread	3/4" Push-On	051141-30324-6	1
20341	1" INT Thread	1-1/2" Push-On	051141-20341-6	1
30441	1" Push-On	1-1/4" Push-On	051141-30441-0	1
30440	1" Push-On	1-1/2" Push-On	051141-30440-3	1
30439	1" Push-On	2" Push-On	051141-30439-7	1



# 3M™ Buffers

## 3M™ Buffers

- Available in rotary or random orbital motions and in multiple sizes
- Excellent choice for a variety of repairs on different substrates across a wide range of industries — from paint and clear coat to lacquered wood, solid surface to acrylic



Model No.	PSI	Tool Dia. Inch (mm)	Max RPM	Motor HP (W)	Orbit Dia. Inch (mm)	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	UPC
28333	90	3 (75)	11,000	0.26 (194)	1/2 (12)	19 (538)	78 (87)	1.8 (0.8)	9 (233)	4 (99.6)	1/4" NPT	051141-28333-3
28631	90	3 (75)	3,500	0.26 (194)	Rotary	17 (481)	80 (87)	2.1 (0.9)	9 (233)	5 (114)	1/4" NPT	051141-28631-0
28392	90	5 (127)	10,000	0.45 (336)	3/8 (10)	21 (595)	77 (88)	2.9 (1.3)	13 (328)	4 (113)	1/4" NPT	051141-28392-0
28354	90	3 (75)	2,200	0.45 (336)	Rotary	22 (683)	80 (88)	1.8 (0.8)	5 (132)	5 (136)	1/4" NPT	051141-28354-8
28769	90	3 (77)	12,000	0.28 (209)	1/2 (12)	17 (481)	79 (90)	1.5 (0.7)	5.8 (147)	3.6 (92.5)	1/4" NPT	051141-28769-0

## Buffer Accessories

### 3M™ Finesse-it™ Buffing Pads



Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Description	UPC	MOQ
02648	12,000	12,000	3-1/4 (83)	Orange Foam; White Loop	051111-51151-0	10
02637	12,000	12,000	3-3/4 (95)	Orange Foam; White Loop	051111-51158-9	50
02362	12,000	12,000	5-1/4 (133)	Orange Foam; White Loop	051111-51076-6	10
20271	12,000	12,000	3-3/4 (95)	White Foam; White Loop	051141-20271-6	10
85099	—	—	3 (76)	White Wool; Knit II; 11/16" Pile Height	051144-85099-0	10
81470	—	—	3 (76)	White Wool; Natural; 20mm	051144-81470-1	10
<b>NEW</b> 28878	12,000	12,000	3-1/4 (83)	Gray Foam; Waffle Face	051141-28878-9	50
<b>NEW</b> 28879	12,000	12,000	3-3/4 (95)	Gray Foam; Waffle Face	051141-28879-6	50
<b>NEW</b> 28880	12,000	12,000	5-1/4 (133)	Gray Foam; Waffle Face	051141-28880-2	50
<b>NEW</b> 28873	12,000	12,000	3-1/2 (89)	Gray Foam; Flat Face	051141-28873-4	50
<b>NEW</b> 87391	10,000	12,000	5-1/4 (133)	Gray Foam, Flat Face	051125-87391-8	50
<b>NEW</b> 28869	12,000	12,000	3-1/4 (83)	Green Foam; Waffle Face	051141-28869-7	50
<b>NEW</b> 28870	12,000	12,000	3-3/4 (95)	Green Foam; Waffle Face	051141-28870-3	50
<b>NEW</b> 28871	12,000	12,000	5-1/4 (133)	Green Foam; Waffle Face	051141-28871-0	50
<b>NEW</b> 28872	12,000	12,000	3-1/2 (89)	Green Foam; Flat Face	051141-28872-7	50
<b>NEW</b> 28874	12,000	12,000	3-1/4 (83)	Red Foam; Waffle Face	051141-28874-1	50
<b>NEW</b> 28875	12,000	12,000	3-3/4 (95)	Red Foam; Waffle Face	051141-28875-8	50
<b>NEW</b> 28876	12,000	12,000	5-1/4 (133)	Red Foam; Waffle Face	051141-28876-5	50
<b>NEW</b> 28877	12,000	12,000	3-1/2 (89)	Red Foam; Flat Face	051141-28877-2	50

# Buffer Accessories



## 3M™ Buffer Backup Pads

Part No.	Max RPM	Max OPM	Diameter Inch (mm)	Thread Size	# of Holes	Density Rating	Hook Type	For Use With	UPC	MOQ
28472	15,000	15,000	3 (76)	1/4–20 EXT	—	Firm	2	3M™ R/O Buffers — 3"	051141-28472-9	5
84226	12,000	12,000	5 (125)	5/16–24 EXT	5	Soft	1	3M™ R/O Buffers — 5"	051111-51042-1	10
20427	15,000	15,000	3 (76)	Several adapters provided	6	Medium	1	3M™ Pistol Grip Tools	051141-20427-7	10



## 3M™ Finesse-it™ Polish

Part No.	Size	Description	Cut	Finish	UPC	MOQ
28791	8 oz	Compounding Material	1 Most Aggressive	7 Coarsest Finish	051141-28791-1	4
28792	8 oz	Finishing Material	2	6	051141-28792-8	4
28793	8 oz	K211	4	3	051141-28793-5	4
28794	8 oz	Extra Fine	5	4	051141-28794-2	4
28795	8 oz	Purple	3	5	051141-28795-9	4
28796	8 oz	Final Finish Gray	6	2	051141-28796-6	4
28797	8 oz	Ultra Fine	7 Least Aggressive	1 Finest Finish	051141-28797-3	4

Also available in larger containers.

# 3M™ Power Tool Repair and Refurbish Service

For tools that fall outside the manufacturer's warranty (e.g. after the warranty period has expired, or when the damage is due to use and wear), 3M is pleased to offer the 3M™ Power Tool Repair and Refurbish Service. 3M™ Power Tool Repair Experts will perform a full diagnostic analysis, replace any worn parts, and restore the tool to excellent working condition, all for one flat rate. Available for all 3M™ Power Tools except pistol grip tools 28547, 28353 and 28354; 3M Body Repair Tools 33573, 33575, 33579, 33581 and 33577; 3M™ PPS™ SUN GUN™ II 16550; and 3M™ Polisher 28363. Program highlights include:

- Fast turnaround (5 days + shipping time)
- Tool is rebuilt by the 3M™ Power Tool Repair Experts in Cumberland, Wisconsin
- Flat rate includes return shipping
- 90 day warranty on repaired tool

**For more information, contact your 3M sales professional or call 1-800-362-3550 (choose option 3, then option 5 which will put you in direct contact with the 3M™ Power Tools Repair Facility).**

## Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
<b>3M™ Non-Vacuum Random Orbital Sanders (Gen I)</b>	60-4402-5335-3	60-4401-7960-8	20250	3 in; 3/16 in orbit
	60-4402-5324-7	60-4401-2686-4	20314	3 in; 3/32 in orbit
	60-4402-5337-9	60-4401-7963-2	20253	5 in; 5/16 in orbit
	60-4402-5203-3	60-4401-2689-8	20317	5 in; 3/16 in orbit
	60-4402-2692-2	60-4401-2692-2	20320	5 in; 3/32 in orbit
	60-4402-5205-8	60-4401-2696-3	20324	6 in; 5/16 in orbit
	60-4402-5206-6	60-4401-2697-1	20325	6 in; 3/16 in orbit
	60-4402-5332-0	60-4401-2700-3	20328	6 in; 3/32 in orbit
<b>3M™ Self-Generated Vacuum Random Orbital Sanders (Gen I)</b>	60-4402-5224-9	60-4401-7962-4	20252	3 in; 3/16 in orbit
	60-4402-5326-2	60-4401-2688-0	20316	3 in; 3/32 in orbit
	60-4402-5338-7	60-4401-7965-7	20255	5 in; 5/16 in orbit
	60-4402-5204-1	60-4401-2691-4	20319	5 in; 3/16 in orbit
	60-4402-5330-4	60-4401-2694-8	20322	5 in; 3/32 in orbit
	60-4402-5212-4	60-4401-7907-9	20208	6 in; 5/16 in orbit
	60-4402-5207-4	60-4401-2699-7	20327	6 in; 3/16 in orbit
	60-4402-5333-8	60-4401-2702-9	20330	6 in; 3/32 in orbit
<b>3M™ Central-Vacuum-Ready Random Orbital Sanders (Gen I)</b>	60-4402-5336-1	60-4401-7961-6	20251	3 in; 3/16 in orbit
	60-4402-5325-4	60-4401-2687-2	20315	3 in; 3/32 in orbit
	60-4402-5225-6	60-4401-7964-0	20254	5 in; 5/16 in orbit
	60-4402-5327-0	60-4401-2690-6	20318	5 in; 3/16 in orbit
	60-4402-5329-6	60-4401-2693-0	20321	5 in; 3/32 in orbit
	60-4402-5334-6	60-4401-7912-9	20213	6 in; 5/16 in orbit
	60-4402-5331-2	60-4401-2698-9	20326	6 in; 3/16 in orbit
	60-4402-5208-2	60-4401-2701-1	20329	6 in; 3/32 in orbit
<b>3M™ Mini Random Orbital Nib Sander</b>	60-4402-5223-1	60-4402-4195-2	20244	1-1/4 in; 3/16 in orbit

# Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
<b>3M™ Die Grinders</b>	60-4402-5219-9	60-4401-7945-9	20237	1 HP; 1/4 in collet; 20,000 RPM
	60-4402-5220-7	60-4401-7946-7	20238	1 HP; 1/4 in collet; 18,000 RPM
	60-4402-5229-8	60-4402-3632-5	28330	0.5 HP; 1/4 in collet; 18,000 RPM
	60-4402-5221-5	60-4401-7947-5	20239	1 HP; 1/4 in collet; 12,000 RPM
	60-4402-5222-3	60-4401-7948-3	20240	1 HP; 1/4 in collet; 8,000 RPM
	60-4402-5230-6	60-4402-3633-3	28331	0.5 HP; 1/4 in collet; 18,000 RPM; 3 in EXT
	60-4402-5231-4	60-4402-3634-1	28332	0.5 HP; 1/4 in collet; 4,000 RPM
	60-4402-5340-3	60-4402-4102-8	28770	1 HP; 1/4 in collet; 18,000 RPM
	60-4402-5312-2	60-4402-3949-3	28627	0.3 HP; 18,000 RPM
	60-4402-5313-0	60-4402-3950-1	28628	0.3 HP; Extended; 18,000 RPM
	60-4402-5314-8	60-4402-3951-9	28629	0.3 HP; 25,000 RPM
	60-4402-5315-5	60-4402-3952-7	28630	0.3 HP; Extended; 25,000 RPM
<b>3M™ Inline Sanders</b>	60-4402-5237-1	60-4402-3640-8	28338	1 HP; 5/8–11 EXT shaft
	60-4402-5238-9	60-4402-3641-6	28339	1 HP; 5/8–11 EXT shaft
<b>3M™ Cut-Off Wheel Tools</b>	60-4402-5215-7	60-4401-7941-8	20233	3 in; 1 HP; 25,000 RPM
	60-4402-5216-5	60-4401-7942-6	20234	4 in; 1 HP; 20,000 RPM
	60-4402-5217-3	60-4401-7943-4	20235	5 in; 1 HP; 12,000 RPM
	60-4402-5218-1	60-4401-7944-2	20236	6 in; 1 HP; 10,000 RPM
	60-4402-5341-1	60-4402-4103-6	28771	4 in; 1 HP; 19,000 RPM
	60-4402-4226-5	60-4402-4211-7	28826	4-1/2–5 in; 1.5 HP; 12,000 RPM
<b>3M™ Disc Sanders</b>	60-4402-5227-2	60-4402-3630-9	28328	2 in; 0.3 HP; 12,000 RPM
	60-4402-5228-0	60-4402-3631-7	28329	2 in; 0.5 HP; 12,000 RPM
	60-4402-5226-4	60-4402-3629-1	28341	2 in; 0.3 HP; 20,000 RPM (Replaces 20230)
	60-4402-5213-2	60-4401-7939-2	20231	2 in; 0.5 HP; 20,000 RPM
	60-4402-5214-0	60-4401-7940-0	20232	3 in; 1 HP; 15,000 RPM
<b>3M™ Buffers</b>	60-4402-5339-5	60-4402-4101-0	28769	3 in; Palm Buffer
	60-4402-5232-2	60-4402-4196-0	28333	3 in
	<b>NO REFURB</b>	60-4401-2649-2	08125	3 in; use 28333 for replacement
	<b>NO REFURB</b>	60-4402-3665-5	28363	3 in; use 28333 for replacement
<b>3M™ Random Orbital Sanders, Two Hand</b>	60-4402-5234-8	60-4402-4119-2	28335	6 in; Self Gen Vac; 3/8 in orbit
	60-4402-5236-3	60-4402-4270-3	28337	6 in; Non-Vac/Central Vac; 3/8 in orbit
<b>3M™ Mini Orbital Sander</b>	<b>NO REFURB</b>	60-4300-5087-6	03125	1-1/4 in; use 28737 for replacement
	60-4402-4232-3	60-4402-4064-0	28737	Replaces 3125

# Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
<b>3M™ Orbital Sanders</b>	60-4402-5209-0	60-4401-2703-7	20331	3 in x 4 in; Non-Vac; 10,000 RPM
	60-4402-5210-8	60-4401-2804-3	20430	3 in x 4 in; Central Vac; 10,000 RPM
	60-4402-5211-6	60-4401-2805-0	20431	3 in x 4 in; Self-Gen Vac; 10,000 RPM
<b>3M™ Electric Non-Vacuum Random Orbital Sanders</b>	60-4402-5261-1	60-4402-3731-5	28426	5 in; 3/32 in orbit
	60-4402-5262-9	60-4402-3732-3	28427	5 in; 3/16 in orbit
	60-4402-5263-7	60-4402-3733-1	28428	6 in; 3/32 in orbit
	60-4402-5264-5	60-4402-3734-9	28429	6 in; 3/16 in orbit
<b>3M™ Electric Central-Vacuum-Ready Random Orbital Sanders</b>	60-4402-5265-2	60-4402-3735-6	28430	5 in; 3/32 in orbit
	60-4402-5266-0	60-4402-3736-4	28431	5 in; 3/16 in orbit
	60-4402-5267-8	60-4402-3737-2	28432	6 in; 3/32 in orbit
<b>3M™ Electric Non-Vacuum Random Orbital Sander Kits</b>	60-4402-5268-6	60-4402-3738-0	28433	6 in; 3/16 in orbit
	60-4402-5297-5	60-4402-3840-4	28523	5 in; 3/32 in orbit, Kit
	60-4402-5298-3	60-4402-3841-2	28524	5 in; 3/16 in orbit, Kit
	60-4402-5299-1	60-4402-4168-9	28525	6 in; 3/32 in orbit, Kit
<b>3M™ Electric Central-Vacuum-Ready Random Orbital Sander Kits</b>	60-4402-5300-7	60-4402-4169-7	28526	6 in; 3/16 in orbit, Kit
	60-4402-5293-4	60-4402-3836-2	28519	5 in; 3/32 in orbit, Kit
	60-4402-5294-2	60-4402-3837-0	28520	5 in; 3/16 in orbit, Kit
	60-4402-5295-9	60-4402-3838-8	28521	6 in; 3/32 in orbit, Kit
	60-4402-5296-7	60-4402-4167-1	28522	6 in; 3/16 in orbit, Kit

# Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
<b>3M™ Non-Vacuum Random Orbital Sanders — Elite Series</b>	60-4402-5271-0	60-4100-1358-9	28496/87092	3 in; 3/32 in orbit
	60-4402-5269-4	60-4100-1356-3	28494	3 in; 3/16 in orbit
	60-4402-5270-2	60-4100-1357-1	28495	5 in; 5/16 in orbit
	60-4402-5272-8	60-4100-1359-7	28497	5 in; 3/16 in orbit
	60-4402-5322-1	60-4100-1390-2	28708	5 in; 3/16 in orbit with 3M™ Hookit™ Backup Pad
	60-4402-5273-6	60-4100-1360-5	28498	5 in; 3/32 in orbit
	60-4402-5310-6	60-4100-1385-2	28583	5 in; 3/8 in orbit
	60-4402-5274-4	60-4100-1361-3	28499	6 in; 5/16 in orbit
	60-4402-5275-1	60-4100-1362-1	28500	6 in; 3/16 in orbit
	60-4402-5276-9	60-4100-1363-9	28501	6 in; 3/32 in orbit
	60-4402-5309-8	60-4100-1384-5	28582	6 in; 3/8 in orbit
	60-4402-5318-9	60-4100-1386-0	28701	6 in; 5/16 orbit with 3M™ Hookit™ Backup Pad
	60-4402-5320-5	60-4100-1388-6	28703	6 in; 3/16 orbit with 3M™ Hookit™ Backup Pad
<b>3M™ Central-Vacuum-Ready Random Orbital Sanders — Elite Series</b>	60-4402-5280-1	60-4100-1367-0	28505	3 in; 3/32 in orbit
	60-4402-5278-5	60-4100-1365-4	28503	3 in; 3/16 in orbit
	60-4402-5282-7	60-4100-1369-6	28507	5 in; 3/32 in orbit
	60-4402-5281-9	60-4100-1368-8	28506	5 in; 3/16 in orbit
	60-4402-5279-3	60-4100-1366-2	28504	5 in; 5/16 in orbit
	60-4402-5306-4	60-4100-1381-1	28561	5 in; 3/8 in orbit
	60-4402-5284-3	60-4100-1371-2	28509	6 in; 3/32 in orbit
	60-4402-5283-5	60-4100-1370-4	28508	6 in; 3/16 in orbit
	60-4402-5277-7	60-4100-1364-7	28502	6 in; 5/16 in orbit
60-4402-5305-6	60-4100-1380-3	28560	6 in; 3/8 in orbit	
<b>3M™ Self-Generated Vacuum Random Orbital Sanders — Elite Series</b>	60-4402-5288-4	60-4100-1375-3	28513	3 in; 3/32 in orbit
	60-4402-5286-8	60-4100-1373-8	28511	3 in; 3/16 in orbit
	60-4402-5290-0	60-4100-1377-9	28515	5 in; 3/32 in orbit
	60-4402-5289-2	60-4100-1376-1	28514	5 in; 3/16 in orbit
	60-4402-5287-6	60-4100-1374-6	28512	5 in; 5/16 in orbit
	60-4402-5308-0	60-4100-1383-7	28563	5 in; 3/8 in orbit
	60-4402-5292-6	60-4100-1379-5	28517	6 in; 3/32 in orbit
	60-4402-5291-8	60-4100-1378-7	28516	6 in; 3/16 in orbit
	60-4402-5321-3	60-4100-1389-4	28704	6 in; 3/16 in orbit with 3M™ Hookit™ Backup Pad
	60-4402-5285-0	60-4100-1372-0	28510	6 in; 5/16 in orbit
	60-4402-5319-7	60-4100-1387-8	28702	6 in; 5/16 in orbit with 3M™ Hookit™ Backup Pad
60-4402-5307-2	60-4100-1382-9	28562	6 in; 3/8 in orbit	
<b>3M™ Cut-Off Wheel Tool Extended</b>	60-4402-5257-9	60-4402-3712-5	28407	1 HP; 4 in; 3/8-24 EXT

# Refurbish Part Numbers List

Product	11 Digit Refurb	Stock Number	Part Number	Description
<b>3M™ Sanders</b>	60-4402-5258-7	60-4402-3713-3	28408	1 HP; 4–5 in; 5/8-11 EXT
	60-4402-5311-4	60-4402-3944-4	28622	1 HP; Extended; 4–5 in; 5/8–11 EXT
	60-4402-4225-7	60-4402-4210-9	28825	1.5 HP; 12,000 RPM
<b>3M™ Random Orbital Buffer</b>	60-4402-5254-6	60-4402-4121-8	28392	5 in diameter; 10mm orbit
<b>3M™ Orbital Sander — Elite Series</b>	60-4402-5301-5	60-4402-3844-6	28527	70mm x 198mm Non-Vacuum 1/8 in Orbit
	60-4402-5302-3	60-4402-3845-3	28528	70mm x 198mm Central Vacuum 1/8 in Orbit
	60-4402-5303-1	60-4402-3847-9	28529	70mm x 198mm Self-Generated Vacuum 1/8 in Orbit
<b>3M™ File Belt Sander</b>	60-4402-5242-1	60-4402-3668-9	28366	0.6 HP
<b>3M™ Electric Variable Speed Polisher</b>	60-4402-5253-8	60-4402-3694-5	28391	7 in; 11A; 5/8–11 EXT
<b>3M™ Grinders</b>	60-4402-5255-3	60-4402-3708-3	28403	1 HP; T27; 4 in; 3/8–24 EXT
	60-4402-5256-1	60-4402-3710-9	28405	1 HP; T27; 4-1/2 in; 5/8–11 EXT
	60-4402-5259-5	60-4402-3718-2	28413	1 HP; Extended; T27; 4 in; 3/8–24 EXT
	60-4402-5260-3	60-4402-3719-0	28414	1 HP; Extended; T27; 4-1/2 in; 5/8–11 EXT
	60-4402-4224-0	60-4402-4209-1	28824	1.5 HP; 12,000 RPM
<b>3M™ Pneumatic Rotary Buffer</b>	60-4402-5316-3	60-4402-3953-5	28631	3 in
<b>3M™ Match and Finish Sander</b>	60-4402-5317-1	60-4402-3980-8	28659	1 HP; 3,500 RPM
<b>3M™ Sander/Buffer</b>	60-4402-5342-9	60-4402-4105-1	28773	1 HP; 3,500 RPM
<b>3M™ Die Grinders (Gen II, Black Housing)</b>	60-4402-5229-8	60-4402-4250-5	28330	0.5 HP; 1/4 in collet; 18,000 RPM
	60-4402-5230-6	60-4402-4251-3	28331	0.5 HP; 1/4 in collet 18,000 RPM; 3 in EXT
	60-4402-5231-4	60-4402-4252-1	28332	0.5 HP; 1/4 in collet; 4,000 RPM
	60-4402-5312-2	60-4402-4246-3	28627	0.3 HP; 18,000 RPM
	60-4402-5313-0	60-4402-4247-1	28628	0.3 HP; Extended; 18,000 RPM
	60-4402-5314-8	60-4402-4248-9	28629	0.3 HP; 25,000 RPM
	60-4402-5315-5	60-4402-4249-7	28630	0.3 HP; Extended; 25,000 RPM
<b>3M™ Disc Sanders (Gen II, Black Housing)</b>	60-4402-5227-2	60-4402-4243-0	28328	2 in; 0.3 HP; 12,000 RPM
	60-4402-5228-0	60-4402-4245-5	28329	2 in; 0.5 HP; 12,000 RPM
	60-4402-5226-4	60-4402-4242-2	28341	2 in; 0.3 HP; 20,000 RPM (Replaces 20230)
	60-4402-5213-2	60-4402-4244-8	20231	2 in; 0.5 HP; 20,000 RPM



# General Pneumatic Tool Accessories

## 3M™ Air Line Extensions — 300 PSI Rated



Part No.	Inside Diameter	Length	Description	Air Inlet Thread	UPC	MOQ
25119	3/8"	5"	Mini	1/4" NPT	051141-25119-6	10
20209	3/8"	4 ft.	—	1/4" NPT	051141-20209-9	1
55180	—	—	Swivel Quick Change Connector	1/4" NPT EXT	051141-55180-7	1

## 3M™ Air Tool and Compressor Lubricants



Part No.	Size	Description	UPC	MOQ
20466	Quart*	Air Tool and Compressor Lubricant	051141-20466-6	12
20467	Gallon*	Air Tool and Compressor Lubricant	051141-20467-3	4
20451	4 fl. oz. (118mL)	Air Tool Lubricant	051141-20451-2	12
28828	1 fl. oz.	Air Tool Lubricant	051141-28828-4	24

\*Available as special order, ships within 4 days.

## Gear Oil

Part No.	Size	Description	UPC	Case Quantity
28827	4 oz.	Replacement Part for 3M™ Sander/Grinder, 1.5 HP. Use to lubricate gears.	051141-28827-7	6

## Scotch® 48 Thread Sealant and Lubricant Tape

Part No.	Description	Size	UPC	MOQ
06195	Seals and lubricates threaded connections	1/2" x 260"	054007-06195-3	12



# General Sanding Tips

## Technical Recommendations for 3M™ Air-Powered Tools

- Use a clean, dry, 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.  
**Note:** Tools can be run at lower pressures, **but should never be run higher than 6.2 bar (90 psig)**. If run at a lower pressure, the performance of the tool is reduced.
- Use an approved 10mm x 8m (3/8" x 25 ft.) or 13mm x 8m (1/2" x 25 ft.) maximum length air line.
- Connect the tool to the air supply.
- It is strongly recommended that an air filter, regulator and lubricator (FRL) be used 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 air line and put 2–3 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 tap the lever to allow air to circulate the oil. Lubricate at end of day and allow oil to penetrate over night for best results.
- Lubricate daily if the tool is used frequently or if the tool starts to slow or lose power.



## Air Basics

### To optimize compressed air output and delivery:

- 90 psi under load — use your gauge
- 3/8" (10mm) minimum air line inside diameter
- Use minimum length of airline hose necessary; no more than 25 ft. (8m)
- High flow air fittings:
  - 3/16" marginal
  - 7/32" better
  - 9/32" best
- Observe compressed air demand throughout the plant
- Maximum working air pressure 6.2 bar (90 psig)

# Metalworking Tool Accessories

## 3M™ Wrench, Spanner



Part No.	Size	Description	UPC	Case Quantity
54105	4mm x 30mm B.C.	Replacement Part for 3M™ Sander/Grinder (1.5 HP); Used to tighten/loosen flange nut	051141-54105-1	1

## 3M™ Rebuild Kits



Part No.	Description	UPC	Case Quantity
54106	Special tools needed to disassemble and reassemble 1.5 HP 3M™ Power Tools	051141-54106-8	1
54107	Replacement parts most likely needed to rebuild the 1.5 HP 3M™ Power Tools	051141-54107-5	1

## Optional Grinder Guards

- Optional guard allows 4" grinder to run larger, thicker 4-1/2" fibre and flap discs



Model No.	Size	For Use With Tool	Required Accessories	UPC
54062	4-1/2" Standard	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54062-7
54063	4-1/2" Jumbo	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54063-4
54064	4-1/2"	3M™ Cut-Off Wheels, 1.5 HP — 4.5"– 5" (Model No. 28826)	Accessories with 5/8–11 INT threads	051141-54064-1
54065	5" Standard	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54065-8
54066	5" Jumbo	3M™ Grinders, 1.5 HP — 4.5"– 5" (Model No. 28824)	Accessories with 5/8–11 INT threads	051141-54066-5
54067	5"	3M™ Cut-Off Wheels, 1.5 HP — 4.5"– 5" (Model No. 28826)	Accessories with 5/8–11 INT threads	051141-54067-2

## 3M™ Overhose Kit and Replacement Sleeve

- Designed for 0.3 HP metalworking tools

Part No.	Description	UPC	MOQ
28651	Kit Contains: Air Line Extension (PN20209), Adapter (PN20453), Over Hose Cloth Sleeve, Exhaust Spacer, Air Inlet Bushing, Instruction Sheet	051141-28651-8	1 Kit
28652	Overhose Replacement Sleeve — 1-1/2" x 4 ft.	051141-28652-5	5



# File Belt Sander Accessories



## 3M™ File Belt Sander Platen Pad Material

Part No.	Size Inches	For Use With	Description	UPC	Case Quantity
28377	1/2 × 7 × 1/8	1/2" wide belts	Soft	051141-28377-7	10
28378	3/4 × 7 × 1/8	5/8" or 3/4" wide belts	Soft	051141-28378-4	10
28379	1/2 × 7 × 1/8	1/2" wide belts	Hard	051141-28379-1	10
28380	3/4 × 7 × 1/8	5/8" or 3/4" wide belts	Hard	051141-28380-7	10
28381	1/2 × 7 × 1/32	1/2" wide belts	Thin	051141-28381-4	10
28382	3/4 × 7 × 1/32	5/8" or 3/4" wide belts	Thin	051141-28382-1	10
28726	15-3/4 × 11-13/16	Can be cut to fit any belt size arm	Soft	051141-28726-3	10

## 3M™ File Belt Arm Service Tool Kit

Part No.	Description	UPC	Case Quantity
30670	Contains Wheel Positioning Block, Shaft Removal Tool, 2 Bearing Removal Tools, Bearing Mount Tool, Bearing Tool and Retaining Compound	051141-30670-4	1



30670

## 3M™ File Belt Attachment Arm Repair Kits

- Kits contain: Contact wheel, bearing, shaft and platen pad if applicable
- 3M™ File Belt Arm Service Tool Kit (PN30670) recommended for use with repair kits

Attachment Arm Repair Kit Part No.	For Use With Attachment Arm Part No.
30663	28368
30667	28369
30668	28370
30664	28371
30666	28372
30665	28373
30662	28374
30669	28375



30663



30667



30668



30664



30666



30665



30662



30669

# Orbital/Random Orbital Sander Accessories

## 3M™ Service Tool Kit

Part No.	Description	UPC	MOQ
20215	Contains all of the special tools needed to disassemble and reassemble the 3M™ Orbital and Random Orbital Sanders	051141-20215-0	1



## 3M™ Orbital/Random Orbital Sander Drop In Motors



Part No.	Tool Size Inch (mm)	Orbit Diameter Inch (mm)	Description	UPC	MOQ
28318	1-1/4 (32)	3/16 (5)	Mini	051141-28318-0	1
30445	3 (76)	1/2 (12)	for Original ROS	051141-30445-8	1
20216	3 (76)	3/32 (2.5)	for Original ROS	051141-20216-7	1
20217	3 (76)	3/16 (5)	for Original ROS	051141-20217-4	1
20218	5 (127)	3/32 (2.5)	for Original ROS	051141-20218-1	1
01811	5 (127)	3/16 (5)	for Original ROS	051122-01811-4	1
20256	5 (127)	5/16 (8)	for Original ROS	051141-20256-3	1
01812	6 (150)	3/32 (2.5)	for Original ROS	051122-01812-1	1
20221	6 (150)	3/16 (5)	for Original ROS	051141-20221-1	1
20222	6 (150)	5/16 (8)	for Original ROS	051141-20222-8	1
30443	6 (150)	3/16 (5)	Two-Hand	051141-30443-4	1
28868	6 (150)	3/8 (10)	Two-Hand	051141-28868-1	1
20223	3 × 4 (76 × 100)	1/8 (3.2)	for Original ROS	051141-20223-5	1
55434	5 (127)	3/32 (2.5)	for Electric ROS	051141-55434-1	1
55435	5 (127)	3/16 (5)	for Electric ROS	051141-55435-8	1
55436	6 (150)	3/32 (2.5)	for Electric ROS	051141-55436-5	1
55437	6 (150)	3/16 (5)	for Electric ROS	051141-55437-2	1
28605	3 (76)	3/32 (2.5)	for Elite ROS	051141-28605-1	1
28606	3 (76)	3/32 (2.5)	for Elite ROS	051141-28606-8	1
28607	5 (127)	3/32 (2.5)	for Elite ROS	051141-28607-5	1
28608	5 (127)	3/16 (5)	for Elite ROS	051141-28608-2	1
28609	5 (127)	5/16 (8)	for Elite ROS	051141-28609-9	1
28610	5 (127)	3/8 (10)	for Elite ROS	051141-28610-5	1
28611	6 (150)	3/32 (2.5)	for Elite ROS	051141-28611-2	1
28612	6 (150)	3/16 (5)	for Elite ROS	051141-28612-9	1
28613	6 (150)	5/16 (8)	for Elite ROS	051141-28613-6	1
28614	6 (150)	3/8 (10)	for Elite ROS	051141-28614-3	1
44503	5 (127)	3/8 (10)	for 28392	076308-44503-4	1

## 3M™ Random Orbital Sander Grips — Elite and Original Series

Part No.	Sander Series	Size	Diameter	UPC
55204	Elite Series	Small	2-1/2"	051141-55204-0
55205	Elite Series	Medium	2-3/4" (Standard on Tool)	051141-55205-7
55206	Elite Series	Large	3"	051141-55206-4
20342	Original Series	Small	2-1/2"	051141-20342-3
20343	Original Series	Medium	2-3/4" (Standard on Tool)	051141-20343-0
20344	Original Series	Large	3"	051141-20344-7



# 3M™ Power Tools — Quick Reference

## 3M™ Cut-Off Wheel Tools



Size	Max RPM	Motor	UPC
3"	25,000	1 HP	051141-20233-4
4"	19,000	1 HP	051141-28771-3
4-1/2"-5"	12,000	1.5 HP	051141-28826-0

## 3M™ Grinders (Type 27)



Size	Max RPM	Motor	Desc.	UPC
4"	12,000	1 HP	Regular	051141-28403-3
4-1/2"	12,000	1 HP	Regular	051141-28405-7
4-1/2"-5"	12,000	1.5 HP	Regular	051141-28824-6

## 3M™ Disc Sanders



Size	Max RPM	Motor	UPC
2"	20,000	0.3 HP	051141-28341-8
2"	12,000	0.3 HP	051141-28328-9
2"	20,000	0.5 HP	051141-20231-0
2"	12,000	0.5 HP	051141-28329-6
3"	15,000	1 HP	051141-20232-7
4"-5"	12,000	1 HP	051141-28408-8
4-1/2"-5"	12,000	1.5 HP	051141-28825-3

## Pistol Grip

3"	15,000	0.45 HP	051141-28547-4
3"	15,000	0.45 HP	051141-28353-1*

\*Random orbital tool with 1/8" orbit

## 3M™ Match and Finish Sander



Max RPM	Motor	UPC
3,500	1 HP	051141-28659-4

## 3M™ Inline Sander



Max RPM	Motor	UPC
3,500	1 HP	051141-28339-5

## 3M™ File Belt Sander



Max RPM	Motor	UPC
22,000	0.6 HP	051141-28366-1

## 3M™ Die Grinders



Max RPM	Motor	Length	UPC
25,000	0.3 HP	Extended	051141-28630-3
25,000	0.3 HP	Regular	051141-28629-7
18,000	0.3 HP	Extended	051141-28628-0
18,000	0.3 HP	Regular	051141-28627-3
18,000	0.5 HP	Regular	051141-28330-2
18,000	0.5 HP	Extended	051141-28331-9
4,000	0.5 HP	Regular	051141-28332-6
20,000	1 HP	Regular	051141-20237-2
18,000	1 HP	Regular	051141-20238-9
18,000	1 HP	Extended	051141-28770-6
12,000	1 HP	Regular	051141-20239-6
8,000	1 HP	Regular	051141-20240-2

## 3M™ Elite Series Random Orbital Sanders



Size	Max RPM	Motor	Orbit Dia.	UPC
<b>Non-Vacuum</b>				
3"	12,000	0.28 HP	3/16"	051141-28494-1
3"	12,000	0.28 HP	3/32"	051125-87092-4
5"	12,000	0.28 HP	3/8"	051141-28583-2
5"	12,000	0.28 HP	5/16"	051141-28495-8
5"	12,000	0.28 HP	3/16"	051141-28497-2
5"	12,000	0.28 HP	3/16"	051141-28708-9*
5"	12,000	0.28 HP	3/32"	051141-28498-9
6"	12,000	0.28 HP	3/8"	051141-28582-5
6"	12,000	0.28 HP	5/16"	051141-28499-6
6"	12,000	0.28 HP	3/16"	051141-28500-9
6"	12,000	0.28 HP	3/32"	051141-28501-6

## Self-Generated Vacuum

3"	12,000	0.28 HP	3/16"	051141-28511-5
3"	12,000	0.28 HP	3/32"	051141-28513-9
5"	12,000	0.28 HP	3/8"	051141-28563-4
5"	12,000	0.28 HP	5/16"	051141-28512-2
5"	12,000	0.28 HP	3/16"	051141-28514-6
5"	12,000	0.28 HP	3/32"	051141-28515-3
6"	12,000	0.28 HP	3/8"	051141-28562-7
6"	12,000	0.28 HP	5/16"	051141-28510-8
6"	12,000	0.28 HP	3/16"	051141-28516-0
6"	12,000	0.28 HP	3/32"	051141-28517-7

## Central-Vacuum-Ready

3"	12,000	0.28 HP	3/16"	051141-28503-0
3"	12,000	0.28 HP	3/32"	051141-28505-4
5"	12,000	0.28 HP	3/8"	051141-28561-0
5"	12,000	0.28 HP	5/16"	051141-28504-7
5"	12,000	0.28 HP	3/16"	051141-28506-1
5"	12,000	0.28 HP	3/32"	051141-28507-8
6"	12,000	0.28 HP	3/8"	051141-28560-3
6"	12,000	0.28 HP	5/16"	051141-28502-3
6"	12,000	0.28 HP	3/16"	051141-28508-5
6"	12,000	0.28 HP	3/32"	051141-28509-2

\*Comes with 3M™ "Hookit"™ Backup Pad 20352

## 3M™ Random Orbital Sanders



Size	Max RPM	Motor	Orbit Dia.	UPC
<b>Self-Generated Vacuum</b>				
5"	12,000	0.24 HP	3/16"	051141-20319-5
6"	12,000	0.24 HP	5/16"	051141-20208-2
6"	12,000	0.24 HP	3/16"	051141-20327-0

## Non-Vacuum

5"	12,000	0.24 HP	3/16"	051141-20317-1
6"	12,000	0.24 HP	5/16"	051141-20324-9
6"	12,000	0.24 HP	3/16"	051141-20325-6

## 3M™ Orbital Sanders



Size	Max RPM	Motor	Orbit Dia.	UPC
<b>Elite Series</b>				
2-3/4"	10,000	0.28 HP	1/8"	051141-28527-6
x 7-3/4"	10,000	0.28 HP	1/8"	051141-28529-0
<b>Original Series</b>				
3" x 4"	10,000	0.24 HP	1/8"	051141-20331-7
	10,000	0.24 HP	1/8"	051141-20430-7
	10,000	0.24 HP	1/8"	051141-20431-4

## 3M™ Random Orbital Sander, 2-Hand



Size	Max RPM	Motor	Orbit Dia.	UPC
<b>Non-Vacuum/Central-Vacuum-Ready</b>				
6"	12,000	0.45 HP	3/8"	051141-28337-1
<b>Self-Generated Vacuum</b>				
6"	12,000	0.45 HP	3/8"	051141-28335-7

## 3M™ Elite Series Mini Orbital Sander



Size	Max RPM	Motor	UPC
1-1/4" x 3/16"	8,000	0.48 HP	051141-28737-9

## 3M™ Mini-Random Orbital Sander



Size	Max RPM	Motor	UPC
1-1/4" x 3/16"	8,000	0.24 HP	051141-20244-0

## 3M™ Buffers



Size	Max RPM	Motor	Orbit Dia.	UPC
3"	11,000	0.26 HP	1/2"	051141-28333-3
3"	3,500	0.26 HP	Rotary	051141-28631-0
5"	10,000	0.45 HP	3/8"	051141-28392-0

## Pistol Grip

3"	2,200	0.45 HP	Rotary	051141-28354-8
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## Palm

3"	12,000	0.28 HP	1/2"	051141-28769-0
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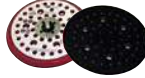
# 3M™ Power Tool Accessories — Quick Reference

## 3M™ Filter Bags and Adapters



UPC	Size
<b>3M™ Clean Sanding Filter Bag — HEPA-rated</b>	
051141-20452-9	Large — Holds up to 1/2 lb.
051141-28364-7	Extra Large — Holds up to 3 lbs.
<b>3M™ Clean Sanding Filter Bag Backpack Assembly</b>	
051141-28365-4	—
<b>3M™ Filter Bag Adapter</b>	
051141-20453-6	1" EXT Hose Thread x 1" ID

## 3M™ Hookit™ Clean Sanding Disc Pads



UPC	Size	Thickness	Density
<b>Max RPM/OPM = 12,000</b>			
051141-20428-4	3" x 1/4-20 EXT	3/4"	Soft
051141-20290-7	5" x 5/16-24 EXT	11/16"	Soft
051141-20353-9	5" x 5/16-24 EXT	3/8"	Firm
051141-20465-9	6" x 5/16-24 EXT	3/8"	Firm
051141-20356-0	6" x 5/16-24 EXT	3/8"	Firm
051141-20425-3	6" x 5/16-24 EXT	1/2"	Soft
<b>Max RPM/OPM = 15,000</b>			
051141-20350-8	3" x 1/4-20 EXT	1/2"	Firm

## 3M™ Hookit™ Disc Pads



UPC	Size	Thickness	Density
<b>Max RPM/OPM = 12,000</b>			
051131-05775-3	5" x 5/16-24 EXT	3/4"	Medium
051141-20352-2	5" x 5/16-24 EXT	3/8"	Firm
051144-77855-3	5" x 5/16-24 EXT	11/16"	Soft
051141-20355-3	6" x 5/16-24 EXT	3/8"	Firm
<b>Max RPM/OPM = 15,000</b>			
051141-28472-9	3" x 1/4-20 EXT	1/2"	Firm

## 3M™ Stikit™ Disc Pads



UPC	Diameter	Thickness	Density
<b>Max OPM/RPM = 15,000</b>			
051141-20348-5	3" x 1/4-20 EXT	1/2"	Firm
<b>Max RPM = 12,000</b>			
051111-55813-3	5" x 5/8-11 INT	1/2"	Medium
051144-82189-1	5" x 5/8-11 INT	3/4"	Medium
<b>Max OPM = 12,000 Max RPM = 10,000</b>			
051144-05575-3	5" x 5/16-24 EXT	3/4"	Medium
051131-05546-9	6" x 5/16-24 EXT	11/16"	Soft
<b>Max OPM/RPM = 12,000</b>			
051141-20351-5	5" x 5/16-24 EXT	3/8"	Firm
051131-05545-2	5" x 5/16-24 EXT	11/16"	Soft
051141-20354-6	6" x 5/16-24 EXT	3/8"	Firm

## 3M™ Hookit™ Clean Sanding Pads



UPC	Size	Thickness	Density
<b>Max OPM = 10,000</b>			
051141-20435-2	3" x 4"	1/2"	Medium
051141-28531-3	70mm x 198mm	12.7mm	Medium

## 3M™ Hookit™ Pad



UPC	Size	Thickness	Density	Max OPM
051141-20433-8	3" x 4"	1/2"	Medium	10,000

## 3M™ Finesse-it™ Buffing Pads



UPC	Diameter	Description
<b>Max OPM = 12,000</b>		
051111-51151-0	3-1/4"	Orange Foam/White Loop
051141-20271-6	3-3/4"	White Foam/White Loop
051111-51158-9	3-3/4"	Orange Foam/White Loop
051111-51076-6	5-1/4"	Orange Foam/White Loop
051141-28878-9	3-1/4"	Gray Foam; Waffle Face
051141-28879-6	3-3/4"	Gray Foam; Waffle Face
051141-28880-2	5-1/4"	Gray Foam; Waffle Face
051141-28873-4	3-1/2"	Gray Foam; Flat Face
051125-87391-8	5-1/4"	Gray Foam; Flat Face
051141-28869-7	3-1/4"	Green Foam; Waffle Face
051141-28870-3	3-3/4"	Green Foam; Waffle Face
051141-28871-0	5-1/4"	Green Foam; Waffle Face
051141-28872-7	3-1/2"	Green Foam; Flat Face
051141-28874-1	3-1/4"	Red Foam; Waffle Face
051141-28875-8	3-3/4"	Red Foam; Waffle Face
051141-28876-5	5-1/4"	Red Foam; Waffle Face
051141-28877-2	3-1/2"	Red Foam; Flat Face

## 3M™ Roloc™ Shank



UPC	Shank Size	Thread Size
051144-45102-9	1/4"	1/4-20 EXT

## 3M™ Roloc™ Disc Pads



UPC	Size	Max RPM	Density
<b>Roloc™ TR (Plastic Button)</b>			
051144-45096-1	2" x 1/4-20 INT	25,000	Hard
051144-45091-6	3" x 1/4-20 INT	20,000	Hard
051144-83980-3	4" x 5/8-11 INT	12,000	Extra Hard
051141-28475-0	4" x 3/8-24 INT	12,000	Extra Hard
<b>Roloc™ TS/TSM</b>			
051144-14212-5	2" x 1/4-20 INT	25,000	Hard
051144-14216-3	3" x 1/4-20 INT	20,000	Hard
051144-28577-1	4" x 3/8-24 INT	12,000	Extra Hard
051144-28579-5	4" x 5/8-11 INT	12,000	Extra Hard

## 3M™ Hookit™ Roloc™ Disc Pads

UPC	Diameter	Max OPM	Max RPM
<b>Roloc™ TR (Plastic Button)</b>			
051144-82564-6	1"	10,000	8,000
051111-60311-6	1-1/16"	10,000	10,000
051144-82565-3	1-1/2"	10,000	8,000
051144-82566-0	2"	10,000	8,000
051144-82567-7	3"	10,000	8,000

## 3M™ Finesse-it™ Roloc™ Backup Pad — TR

051111-50198-6	1-1/4"	Medium	12,000
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## 3M™ Disc Pad Hubs



UPC	Diameter	Thread Size
051141-28442-2	2-1/2"	3/8-24 INT x 5/8-11 EXT
051141-28476-7	2-1/2"	5/8-11 INT

## Disc Pad Holders (Hook-and-Loop)



UPC	Size	Max RPM
048011-07494-8	2" x 1/4" shank	23,000
048011-04132-2	3" x 1/4" shank	20,000
048011-07492-4	4" x 1/4" shank	13,000
048011-05674-6	4" x 5/8-11 INT	13,000
048011-14111-4	4-1/2" x 5/8-11 INT	13,000

## 3M™ Disc Pad Face Plates



UPC	Diameter	Hardness	Max RPM
<b>Ribbed</b>			
051141-28656-3	4"	Extra Hard	15,000
051141-28443-9	4-1/2"	Extra Hard	13,300
051144-81732-0	5"	Extra Hard	12,000

## 3M™ Disc Retainer Nuts



UPC	Length	Thread Size
051111-51047-6	5/16"	5/8-11 INT
051144-05622-4	3/8"	5/8-11 INT

## 3M™ Air Tool and Compressor Bundles



UPC	Size
051141-20466-6	Quart
051141-20467-3	Gallon
051141-20451-2	4 fl. oz. (118mL)
051141-28828-4	1 fl. oz.

## 3M™ 935 Mini Mandrel



UPC	Shank Size	Overall Length	Max RPM
048011-04020-2	1/4"	2-7/8"	14,000

## 3M™ Square/Cross Pad Mandrels

UPC	Thread Size	Shank Size	Overall Length
<b>Max RPM = 24,100</b>			
051144-14307-8	8-32 EXT	1/4"	3"
051144-14308-5	1/4-20 EXT	1/4"	3"

## 3M™ Unitized Wheel Mandrels



UPC	Part No.	Overall Length	Outside Flange Diameter	Max RPM
<b>Shank Size = 1/4"</b>				
048011-04018-9	936	2-1/16"	3/4"	22,200
048011-15012-3	990	1-3/4"	1"	25,100

## 3M™ Adapters



UPC	Size
<b>3M™ Wheel Adapter Kit</b>	
051141-28419-4	1/2-20 EXT x 5/8-11 INT
051144-45038-1	5/8-11 EXT x 5/8-11 INT
<b>3M™ Spindle Extender Kit</b>	
048011-04019-6	5/8-11 EXT x 5/8-11 INT
<b>Replacement Spacers</b>	
051141-28636-5	1" OD x 5/8" ID x 3/8" thick
051141-28637-2	1" OD x 5/8" ID x 3/16" thick
<b>3M™ Match and Finish Adapter Kit</b>	
051141-27819-5	1" x 5/8-11 INT

## 3M™ Rubber Cushion Polishing Wheels



UPC	Diameter	Width	Max RPM
<b>Shank Size = 1/4"</b>			
051144-45139-5	1"	1"	18,000
051144-45129-6	2"	1"	11,000

## 3M™ Rubber Slotted Expander Wheels



UPC	Size	Density	Max RPM
051144-77717-4	1" x 1" x 1/4"	Medium	18,000
051144-77720-4	2" x 1" x 1/4"	Medium	12,000
051144-77721-1	2" x 2" x 1/4"	Medium	6,000
051144-77722-8	3" x 3" x 5/8-11 INT	Medium	6,000
051141-28349-4	3.4" x 3" x 5/8" CH	Soft	3,500
051141-28348-7	5" x 3-1/2" x 5/8" CH	Soft	3,500
051141-28718-8	5" x 3-1/2" x 1" AH	Soft	3,500

## 3M™ File Belt Sander Attachment Arms



UPC	Description
051141-28368-5	Standard Style
051141-28369-2	Thin Style
051141-28370-8	Corners Style
051141-28371-5	Thick Standard Style
051141-28372-2	Corners Style
051141-28374-6	Curved Arm
051141-28375-3	Vessel Arm
051141-28376-0	Extension — Extend arms to 24" length

# Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
905	7	20233	2	20466	31	28405	3
914	7	20237	13	20467	31	28408	5
922	7	20238	13	22970	9	28411*	19
923	7	20239	13	25119	31	28419	10
924	7	20240	13	28301	23	28442	7
935	14	20244	22	28302	23	28443	7
936	14	20256	34	28303	23	28472	25
944	14	20271	24	28304	23	28473	8
990	14	20290	19	28318	34	28474	8
1811	34	20317	17	28325	21	28475	8
1812	34	20319	17	28326	17	28476	7
2286	8	20324	17	28328	5	28494	16
2345	22	20325	17	28329	5	28495	16
2362	24	20327	17	28330	13	28497	16
2511	22	20331	21	28331	13	28498	16
2637	24	20338	23	28332	13	28499	16
2648	24	20340	23	28333	24	28500	16
4019	10	20341	23	28335	22	28501	16
5545	18	20342	34	28337	22	28502	16
5546	18	20343	34	28339	10	28503	16
5551	19	20344	34	28341	5	28504	16
5575	18	20348	18	28348	10	28505	16
5622	7	20350	19	28349	10	28506	16
5645	18	20351	18	28353*	6	28507	16
5646	18	20352	19	28354	24	28508	16
5775	19	20353	19	28364	23	28509	16
5858	19	20354	18	28365	23	28510	16
5876	19	20355	19	28366	11	28511	16
6195	31	20356	19	28367	11	28512	16
9145	7	20425	19	28368	11	28513	16
9215	7	20427	25	28369	11	28514	16
13325	7	20428	19	28370	11	28515	16
14212	8	20430	21	28371	11	28516	16
14216	8	20431	21	28372	11	28517	16
14270	7	20432	21	28374	11	28527	20
20206	19	20433	21	28375	11	28529	20
20208	17	20435	21	28376	11	28531	20
20209	31	20442	18	28377	33	28547	6
20215	34	20443	17	28378	33	28560	16
20216	34	20444	17	28379	33	28561	16
20217	34	20445	17	28380	33	28562	16
20218	34	20446	17	28381	33	28563	16
20221	34	20451	31	28382	33	28576	8
20222	34	20452	23	28383	23	28577	8
20223	34	20453	23	28392	24	28578	8
20231	5	20454	18	28393	23	28579	8
20232	5	20465	19	28403	3	28580	8

# Part Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
28581	8	28769	24	30445	34	55437	34
28582	16	28770	13	30662	33	56573	7
28583	16	28771	2	30663	33	67415	9
28605	34	28772	18	30664	33	67415	22
28606	34	28791	25	30665	33	70138	19
28607	34	28792	25	30666	33	70234	18
28608	34	28793	25	30667	33	77717	14
28609	34	28794	25	30668	33	77718	14
28610	34	28795	25	30669	33	77720	14
28611	34	28796	25	30670	33	77721	14
28612	34	28797	25	44503	34	77722	10
28613	34	28824	3	45038	10	77728	8
28614	34	28825	5	45091	8	77855	19
28627	13	28826	2	45093	8	77856	19
28628	13	28827	31	45096	8	81470	24
28629	13	28828	31	45097	8	81732	7
28630	13	28868	34	45102	9	81733	7
28631	24	28869	24	45205	7	81734	7
28636	10	28870	24	45217	18	82189	18
28637	10	28871	24	45218	18	82564	9
28651	32	28872	24	50146	7	82564	22
28652	32	28873	24	51047	7	82565	9
28656	7	28874	24	54062	32	82565	22
28657	7	28875	24	54063	32	82566	9
28658	7	28876	24	54064	32	82567	9
28659	9	28877	24	54065	32	82659	19
28660	20	28878	24	54066	32	82974	8
28708	16	28879	24	54067	32	82975	8
28710	8	28880	24	54105	32	83489	8
28711	8	28890	7	54106	32	83980	8
28718	9	28891	7	54107	32	84226	25
28718	10	28892	7	55180	31	85096	19
28719	9	30324	23	55204	34	85099	24
28726	33	30439	23	55205	34	85105	19
28730	23	30440	23	55206	34	87092	16
28737	22	30441	23	55434	34	87391	24
28739	7	30442	23	55435	34	88765	7
28740	7	30443	34	55436	34	A0778	23



# UPC Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
051141-20233-4	2	051141-28581-8	8	051144-14307-8	14	051141-28561-0	16
051141-28771-3	2	051144-82564-6	9	051141-28385-2	14	051141-28504-7	16
051141-28826-0	2	051111-60311-6	9	048011-04018-9	14	051141-28506-1	16
051141-28403-3	3	051144-82565-3	9	048011-15012-3	14	051141-28507-8	16
051141-28405-7	3	051144-82566-0	9	048011-13928-9	14	051141-28560-3	16
051141-28824-6	3	051144-82567-7	9	048011-04020-2	14	051141-28502-3	16
051141-28341-8	5	048011-22970-6	9	051144-45121-0	14	051141-28508-5	16
051141-28328-9	5	051144-45102-9	9	051144-45081-7	14	051141-28509-2	16
051141-20231-0	5	051141-28659-4	9	051144-45159-3	14	051141-20319-5	17
051141-20232-7	5	051141-28718-8	9	051144-45156-2	14	051141-20208-2	17
051141-28329-6	5	051141-27819-5	9	051144-45153-1	14	051141-20327-0	17
051141-28408-8	5	051141-28339-5	10	051144-45152-4	14	051141-20317-1	17
051141-28825-3	5	051144-77722-8	10	051144-45145-6	14	051141-20324-9	17
051141-28547-4	6	051141-28348-7	10	051144-45144-9	14	051141-20325-6	17
051141-28353-1	6	051141-28349-4	10	051144-45139-5	14	051141-28326-5	17
048011-04130-8	7	051141-28718-8	10	051144-45138-8	14	051141-20444-4	17
048011-07494-8	7	051144-45038-1	10	051144-45132-6	14	051141-20443-7	17
048011-04132-2	7	048011-04019-6	10	051144-45131-9	14	051141-20446-8	17
048011-07492-4	7	051141-28419-4	10	051144-45130-2	14	051141-20445-1	17
048011-05674-6	7	051141-28636-5	10	051144-45129-6	14	051141-20348-5	18
048011-14111-4	7	051141-28637-2	10	051144-77717-4	14	051141-20351-5	18
048011-09448-9	7	051141-28366-1	11	051144-77718-1	14	051141-20354-6	18
051141-28890-1	7	051141-28367-8	11	051144-77720-4	14	051111-55813-3	18
051141-28891-8	7	051141-28368-5	11	051144-77721-1	14	051144-82189-1	18
051141-28892-5	7	051141-28369-2	11	051141-28494-1	16	051144-05575-3	18
051144-45097-8	8	051141-28370-8	11	051125-87092-4	16	051141-28772-0	18
051144-45096-1	8	051141-28371-5	11	051141-28583-2	16	051131-05545-2	18
051144-45093-0	8	051141-28372-2	11	051141-28495-8	16	051131-05546-9	18
051144-45091-6	8	051141-28374-6	11	051141-28497-2	16	051141-20442-0	18
051144-83980-3	8	051141-28375-3	11	051141-28708-9	16	051141-20454-3	18
051144-83489-1	8	051141-28376-0	11	051141-28498-9	16	051144-45217-0	18
051141-28474-3	8	051141-28630-3	13	051141-28582-5	16	051144-45218-7	18
051141-28475-0	8	051141-28629-7	13	051141-28499-6	16	051131-05645-9	18
051144-77728-0	8	051141-28628-0	13	051141-28500-9	16	051131-05646-6	18
051144-14212-5	8	051141-28627-3	13	051141-28501-6	16	051141-20352-2	19
051144-14216-3	8	051141-28330-2	13	051141-28511-5	16	051141-20355-3	19
051141-28576-4	8	051141-28331-9	13	051141-28513-9	16	051144-85105-8	19
051141-28577-1	8	051141-28332-6	13	051141-28563-4	16	051144-85096-9	19
051141-28578-8	8	051141-20237-2	13	051141-28512-2	16	051131-05775-3	19
051141-28579-5	8	051141-20238-9	13	051141-28514-6	16	051141-28209-6	19
051144-82974-3	8	051141-28770-6	13	051141-28515-3	16	051144-77855-3	19
051141-28711-9	8	051141-20239-6	13	051141-28562-7	16	051144-82659-9	19
051144-82975-0	8	051141-20240-2	13	051141-28510-8	16	051141-28411-8	19
051141-28710-2	8	051144-45119-7	14	051141-28516-0	16	051131-05876-7	19
051111-56479-0	8	051144-45117-3	14	051141-28517-7	16	051144-77856-0	19
051141-28473-6	8	051144-45118-0	14	051141-28503-0	16	051141-20350-8	19
051141-28580-1	8	051144-14308-5	14	051141-28505-4	16	051141-20353-9	19

# UPC Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
051141-20356-0	19	051141-28302-9	23	051111-51042-1	25	051141-30670-4	33
051141-20465-9	19	051141-28730-0	23	051141-20427-7	25	051141-20215-0	34
051141-20206-8	19	051141-28301-2	23	051141-28791-1	25	051141-28318-0	34
051141-20428-4	19	051141-28393-7	23	051141-28792-8	25	051141-30445-8	34
051141-20290-7	19	051141-30442-7	23	051141-28793-5	25	051141-20216-7	34
051141-20425-3	19	051141-20340-9	23	051141-28794-2	25	051141-20217-4	34
051131-05858-3	19	051141-28304-3	23	051141-28795-9	25	051141-20218-1	34
051131-05551-3	19	051141-30324-6	23	051141-28796-6	25	051122-01811-4	34
051141-28527-6	20	051141-20341-6	23	051141-28797-3	25	051141-20256-3	34
051141-28529-0	20	051141-30441-0	23	051141-25119-6	31	051122-01812-1	34
051141-28660-0	20	051141-30440-3	23	051141-20209-9	31	051141-20221-1	34
051141-28531-3	20	051141-30439-7	23	051141-55180-7	31	051141-20222-8	34
051141-20331-7	21	051141-28333-3	24	051141-20466-6	31	051141-30443-4	34
051141-20430-7	21	051141-28631-0	24	051141-20467-3	31	051141-28868-1	34
051141-20431-4	21	051141-28392-0	24	051141-20451-2	31	051141-20223-5	34
051141-20432-1	21	051141-28354-8	24	051141-28828-4	31	051141-55434-1	34
051141-20433-8	21	051141-28769-0	24	051141-28827-7	31	051141-55435-8	34
051141-20435-2	21	051111-51151-0	24	054007-06195-3	31	051141-55436-5	34
051141-28325-8	21	051111-51158-9	24	051141-54105-1	32	051141-55437-2	34
051141-28337-1	22	051111-51076-6	24	051141-54106-8	32	051141-28605-1	34
051141-28335-7	22	051141-20271-6	24	051141-54107-5	32	051141-28606-8	34
051141-28737-9	22	051144-85099-0	24	051141-54062-7	32	051141-28607-5	34
051141-20244-0	22	051144-81470-1	24	051141-54063-4	32	051141-28608-2	34
051111-50198-6	22	051141-28878-9	24	051141-54064-1	32	051141-28609-9	34
051111-51150-3	22	051141-28879-6	24	051141-54065-8	32	051141-28610-5	34
051144-82564-6	22	051141-28880-2	24	051141-54066-5	32	051141-28611-2	34
051111-60311-6	22	051141-28873-4	24	051141-54067-2	32	051141-28612-9	34
051144-82565-3	22	051125-87391-8	24	051141-28651-8	32	051141-28613-6	34
051141-20452-9	23	051141-28869-7	24	051141-28652-5	32	051141-28614-3	34
051141-28364-7	23	051141-28870-3	24	051141-28377-7	33	076308-44503-4	34
051141-28365-4	23	051141-28871-0	24	051141-28378-4	33	051141-55204-0	34
051141-28383-8	23	051141-28872-7	24	051141-28379-1	33	051141-55205-7	34
051141-20453-6	23	051141-28874-1	24	051141-28380-7	33	051141-55206-4	34
051115-28146-4	23	051141-28875-8	24	051141-28381-4	33	051141-20342-3	34
051141-20338-6	23	051141-28876-5	24	051141-28382-1	33	051141-20343-0	34
051141-28303-6	23	051141-28472-9	25	051141-28726-3	33	051141-20344-7	34

# Safety Precautions

1. Read all instructions before using. All operators must be fully trained in tool usage and be aware of these safety rules.
2. The Tool Max RPM should be checked on a regular basis to ensure proper operating speed.
3. Make sure the tool is disconnected from the air supply. Select a suitable abrasive and secure it to the disc pad or spindle. Be careful to center the abrasive on the disc pad.
4. Always wear required safety equipment.
5. Always remove the air supply to the tool before fitting, adjusting or removing the abrasive or disc pad.
6. Always adopt a firm footing and grip and be aware of torque reaction developed by the tool.
7. Use only 3M approved spare parts.
8. Always ensure the material being worked is firmly fixed to avoid movement.
9. Check hose and fittings regularly for wear. Do not carry the tool by its hose; always be careful to prevent the tool from being started when carrying the tool with the air supply connected.
10. Dust can be highly combustible.
11. If tool is serviced or rebuilt, check to ensure that the maximum tool RPM is not exceeded and that there is no excessive tool vibration.
12. Do not exceed maximum recommended air pressure. Use safety equipment as recommended.
13. Prior to installing any shaft mounted abrasive or sanding or grinding accessory, always check that its marked maximum operating speed is equal or higher than the rated speed of this tool.
14. The tool is not electrically insulated. Do not use where there is a possibility of contact with live electricity, gas pipes, and/or water pipes.
15. The tool is not protected against hazards inherent in cutting operations, and no such cutting products should ever be attached.
16. Take care to avoid entanglement with the moving parts of the tool with clothing, ties, hair, cleaning rags or loose hanging objects. If entangled, stop air supply immediately to avoid contact with moving tool parts.
17. Keep hands clear of the spinning pad or spindle during use.
18. If the tool appears to malfunction, remove from use immediately and arrange for service and repair.
19. Do not allow the tool to free spin without taking precautions to protect any persons or objects from the loss of the abrasive or pad rupture.
20. Immediately release the start handle in the event of any disruption of pressure; do not attempt to re-start until the disruption has been corrected.
21. When tool is not in use, store in a clean, dry environment free of debris.
22. Recycle or dispose of tool according to Local, State and Federal regulations.
23. Operators and maintenance personnel should be able to handle the bulk, weight and power of the tool.
24. For overhead work, wear a safety helmet.
25. Be aware that the tool will continue to run for a short period of time after the release of the start handle.
26. Operators should adopt a comfortable posture whilst maintaining a secure footing and avoiding awkward or off-balance postures. Operators should change posture during extended tasks; this can help avoid discomfort and fatigue.
27. Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by the tool or surrounding work area and also of the trip hazards associated with air lines.
28. Proceed with care in unfamiliar surroundings. There can be hidden hazards such as electricity lines or gas pipes.
29. Whipping hoses can cause severe injury.
30. Whenever universal twist couplings (claw couplings) are used, lock pins shall be installed and whip check safety cables shall be used to safe guard against a possible hose-to-tool connection failure.

# Optimize Results With 3M™ Power Tools

**Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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**For warranty and repair service, call 1-800-362-3550 (choose option 3, then option 5)**

## 3M™ Power Tool Warranty

**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 OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. 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 for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

**Submitting a Warranty Claim:** Contact your dealer when submitting a warranty claim in accordance with the restrictions listed above. Please note that all warranty claims are subject to manufacturer's approval. Be sure to keep your sales receipt in a safe place. This must be submitted when filing a warranty claim, within 1 year from the date of purchase. For additional assistance call 1-800-362-3550 (choose option 3, then option 5).

## The full line of 3M™ Accessories is available in the Accessories for Abrasive Products catalog.



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