



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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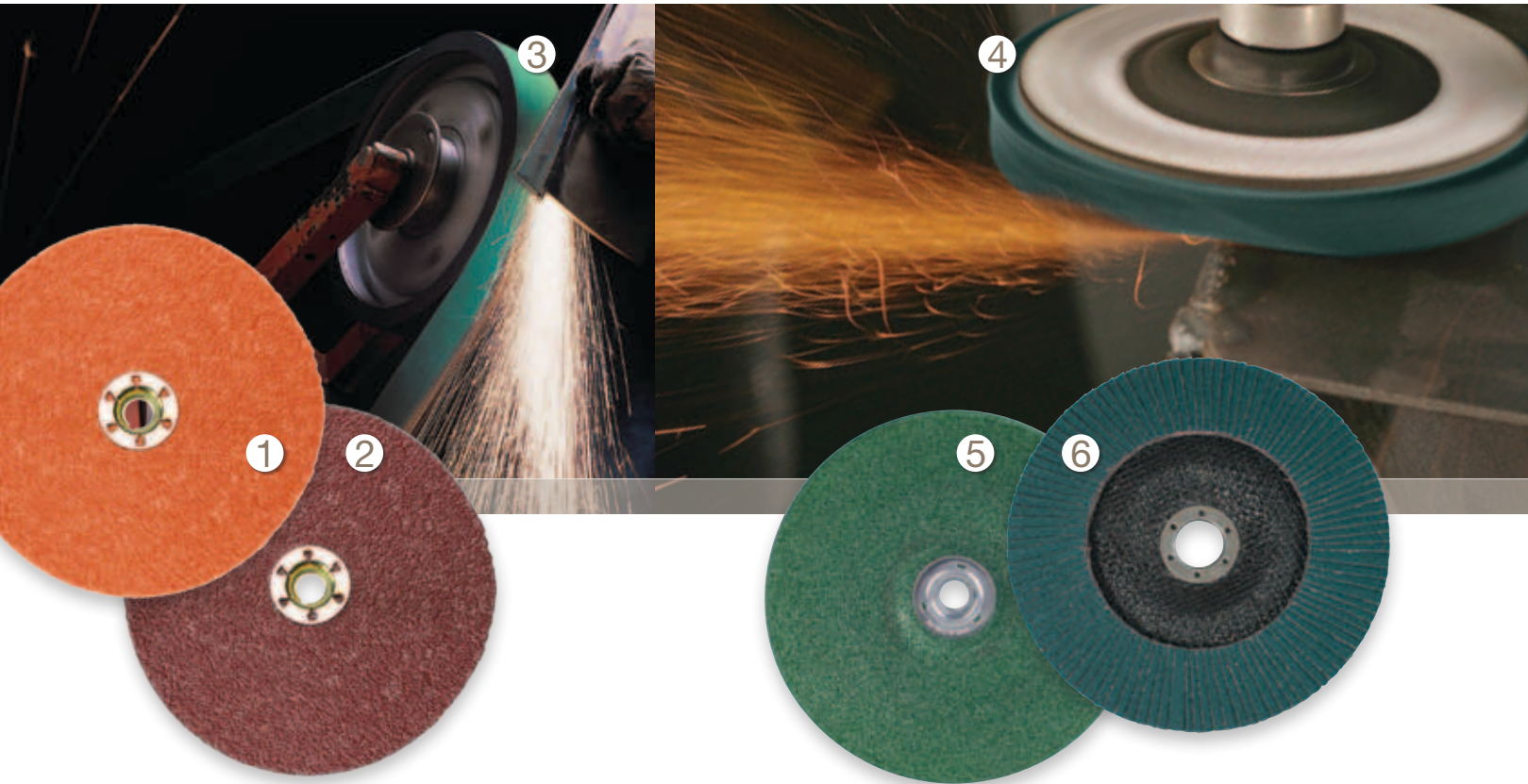
3M Industrial Products
Abrasives and Power Tools for Welders



Welding Solutions



What's New for 2011



- 1 3M™ Cubitron™ II Fibre Discs 987C** The coolest way to increase productivity. If you work with heat-sensitive metals, like stainless steel, and you value increased throughput and greater operator comfort, try 3M™ Cubitron™ II Fibre Discs 987C. These discs are made with revolutionary 3M precision shaped ceramic grain technology, engineered with ultra-sharp points that dig in and cut fast, run cool and last up to 3 times longer than conventional ceramic discs!
- 2 3M™ Cubitron™ II Fibre Discs 982C** are made with revolutionary 3M precision-shaped ceramic grain technology, engineered with ultra-sharp, fast-cutting points that wear evenly, run cool and optimize mineral breakdown to maximize disc life. 982C out performs comparable fibre discs on life, cut and cost per grind, guaranteed. Finish more parts with fewer discs regardless of grinding pressure.
- 3 3M™ AZ Belt 577F** Because new 3M™ AZ Belts 577F last up to 20% longer than competitive belts, you can grind more parts for about the same price you're now paying for abrasives. Its new and improved premium mineral resin system, tough durable backing, and waterproof grinding aid offers a big bang for your buck. Their outstanding balance of high performance and affordability make 3M AZ Belts 577F an ideal alternative for many day-to-day grinding operations.
- 4 3M™ Flap Disc 546D** is a versatile product that delivers a fast cut, long life, and a smooth finish. Performance and price make these discs a great value and the flap design allows one disc to perform both the grinding and blending steps. Plus, the economic alumina zirconia mineral is ideal for lowering abrasive costs on both mild and stainless steel applications.
- 5 3M™ Green Corps™ Type 28 Depressed Center Wheel** is constructed of 3M™ Ceramic abrasive grain to provide fast cut, long life and high stock removal. Its dish shape is perfect for grinding at lower angles of 15° to 25° and is great for hard to reach areas.
- 6 3M™ Flap Disc 577F** When finish is important, and you value the extra cutting power of alumina zirconia over aluminum oxide, and the versatility to work on all types of metals, choose 3M™ Flap Disc 577F. This durable polyester-backed product provides longer life in high pressure applications, and allows you to combine grinding and blending in one step. Tough enough to tackle sharp edge work and beveling. For those *really big* jobs, try the 3M™ Giant Flap Disc 577F with 25% more thickness for aggressive cut and durability.



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3M™ Power Tools

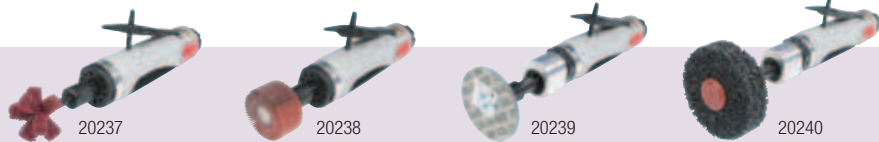
A full family of innovative tools
to optimize
your abrasive performance
& maximize your comfort



3M™ Die Grinders

Heavy-Duty Grinding

Powerful 1 HP Die Grinders are excellent for big jobs such as weld or stock removal.



Medium-Duty Grinding

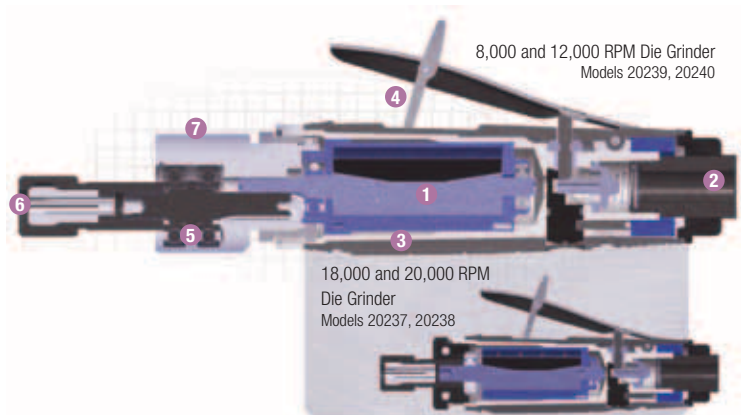
These .5 HP Die Grinders are ideal for medium-duty applications. Available in extended shaft models.



Model No.	Max RPM	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Collet Size	UPC
1 HP (744 W) Motor Airflow Rate: 35 SCFM (991 LPM)						
20237	20,000	1.69 (.77)	7.75 (196.9)	1/4" NPT	1/4"	051141-20237-2
20238	18,000	1.69 (.77)	7.75 (196.9)	1/4" NPT	1/4"	051141-20238-9
20239	12,000	2.06 (.93)	10 (254)	1/4" NPT	1/4"	051141-20239-6
20240	8,000	2.06 (.93)	10 (254)	1/4" NPT	1/4"	051141-20240-2
.5 HP (372 W) Motor Airflow Rate: 35 SCFM (991 LPM)						
NEW! 28330	18,000	1.13 (.512)	6.88 (174.6)	1/4" NPT	1/4"	051141-28330-2
NEW! 28331	18,000*	1.54 (.697)	10.63 (269.9)	1/4" NPT	1/4"	051141-28331-9
NEW! 28332	4,000	1.58 (.717)	8.88 (200)	1/4" NPT	1/4"	051141-28332-6

*with extension

- 1 High-output thermally balanced air motor
- 2 Directional exhaust (360 degree)
- 3 3M™ Gripping Material
- 4 Safety lever throttle to avoid accidental starting
- 5 Tandem double-sealed bearings
- 6 Double-taper collet assembly
- 7 Offset gear box for increased torque



3M™ Grinder and Extended Grinder

Packed with power without excessive weight for more comfortable grinding and improved productivity. With a maximum run speed of 12,000 RPM, high torque, 1 HP motor and hardened steel rotor, these air-tools are built for durability and smooth operation. The new 3M™ Grinders are the perfect complement for use with 3M Abrasive Discs with 4" or 4.5" diameters. 3M Grinders feature repositionable guards for better visibility, steel gear heads for added durability and superior noise reduction. Get more power and productivity from 3M™ Power Tools.



Model No.	Weight Pound (kg)	Length	Height Inch (mm)	Air Inlet	Thread	UPC
Tool Diameter: 4" Max RPM: 12,000 Motor: 1 HP (744 W)						
NEW! 28403	2.66 (1.21)	Standard	4.5 (114)	3/8" NPT*	3/8-24 EXT	051141-28403-3
NEW! 28413	3.85 (1.75)	Extended	4.5 (114)	3/8" NPT*	3/8-24 EXT	051141-28413-2
Tool Diameter: 4-1/2" Max RPM: 12,000 Motor: 1 HP (744 W)						
NEW! 28405	2.84 (1.29)	Standard	4.7 (119)	3/8" NPT*	5/8-11 EXT	051141-28405-7
NEW! 28414	4.03 (1.83)	Extended	4.7 (119)	3/8" NPT*	5/8-11 EXT	051141-28414-9

*includes 3/8" to 1/4" reducer

3M™ Cut-Off Wheel Tools

Designed to easily handle cutting through everything from standard rebar to oversized bolts, you can count on the performance and dependability of the new line of 3M™ Cut-Off Wheel Tools.





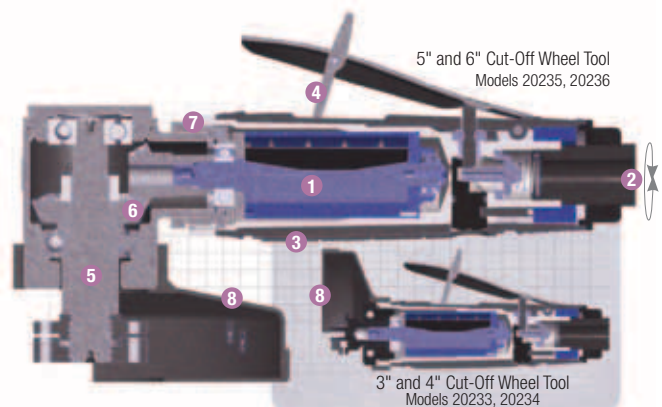
NEW! **3M™ Cut-Off Wheel Tool Extended**

New 18,000 RPM, 1 HP tool with right angle head and repositionable guard for optimal power and visibility. Extended body style for greater versatility and control. Features 3M™ Gripping Material for added comfort.

Model No.	Tool Dia. Inch (mm)	Max RPM	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	UPC
Motor: 1 HP (744 W) Airflow Rate: 35 SCFM (991 LPM)							
20233	3 (76)	25,000	2.09 (.95)	7.75 (196.9)	3 (76.2)	1/4" NPT	051141-20233-4
20234	4 (100)	20,000	2.25 (1.02)	7.75 (196.9)	3.25 (82.6)	3/8" NPT	051141-20234-1
20235	5 (125)	12,000	3.47 (1.57)	8.75 (222.3)	5.25 (133.4)	3/8" NPT	051141-20235-8
20236	6 (152)	10,000	3.69 (1.67)	8.75 (222.3)	5.25 (133.4)	3/8" NPT	051141-20236-5
NEW! 28407*	4 (100)	18,000	2.77 (1.26)	8.5 (216)	4.7 (119)	3/8" NPT*	051141-28407-1

*includes 3/8" to 1/4" reducer

- 1 High-output air motor
- 2 Directional exhaust (360 degree) — not on Model No. 28407
- 3 3M™ Gripping Material
- 4 Safety lever throttle to avoid accidental starting
- 5 Over-sized ball bearings on output spindle
- 6 Robust spiral bevel gearing
- 7 4-place indexable head
- 8 360° rotatable safety guard



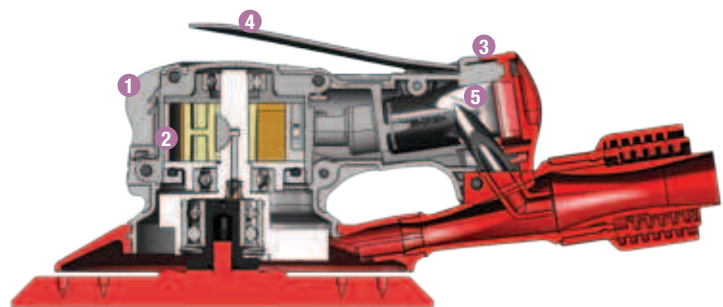
3M™ Elite Non-Vacuum Random Orbital Sanders

We took our best line of air-powered 3M™ Random Orbital Sanders and just made it better. Features exclusive 3M™ Gripping Material and extended, curved wrist rest for more support. Recessed lever eliminates pinch points. Internal muffler decreases noise by as much as 4 dB. Aluminum body covered with a durable composite cover helps prevent cracked housings. Improved dust collection port.



Model No.	Orbit Dia. Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
Tool Diameter: 3" (77mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
NEW! 28496	3/32 (2.5)	1.31 (.596)	5.78 (147)	3.38 (86)	Stikit™ 20348	051141-28496-5
NEW! 28494	3/16 (5)	1.52 (.692)	5.78 (147)	3.64 (92.5)	Stikit™ 20348	051141-28494-1
Tool Diameter: 5" (127mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
NEW! 28498	3/32 (2.5)	1.72 (.781)	6.77 (172)	3.58 (91)	Stikit™ 20351	051141-28498-9
NEW! 28497	3/16 (5)	1.76 (.8)	6.77 (172)	3.58 (91)	Stikit™ 20351	051141-28497-2
NEW! 28495	5/16 (8)	1.8 (.817)	6.77 (172)	3.58 (91)	Stikit™ 20351	051141-28495-8
Tool Diameter: 6" (150mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
NEW! 28501	3/32 (2.5)	2.1 (.957)	7.36 (187)	3.58 (91)	Stikit™ 20354	051141-28501-6
NEW! 28500	3/16 (5)	1.86 (.844)	7.36 (187)	3.58 (91)	Stikit™ 20354	051141-28500-9
NEW! 28499	5/16 (8)	1.91 (.869)	7.36 (187)	3.58 (91)	Stikit™ 20354	051141-28499-6

- 1 3M™ Gripping Material helps absorb and reduce vibration
- 2 Aluminum body covered with a durable composite cover helps prevent cracked housings
- 3 Extended and curved wrist rest for more support
- 4 Recessed lever, no pinch points
- 5 Internal muffler decreases noise up to 4 dB and won't easily break off



3M™ Non-Vacuum Random Orbital Sanders

These powerful and popular non-vacuum tools meet or exceed highest performance standards and are precision balanced for smooth operation. A variety of grip sizes are available and lever is color-coded for orbit identification. For use on wood, composites, solid surface or metalworking applications.



Model No.	Orbit Dia. Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Pad Included	UPC
Tool Diameter: 3" (77mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
20314	3/32 (2.5)	1.12 (.51)	4.90 (124.33)	3.10 (78.61)	Stikit™ 20348	051141-20314-0
20250	3/16 (5)	1.65 (.75)	4.90 (124.33)	3.10 (78.61)	Hookit™ 20350	051141-20250-1
Tool Diameter: 5" (127mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
20320	3/32 (2.5)	1.59 (.72)	5.84 (148.4)	3.26 (82.9)	Stikit™ 20351	051141-20320-1
20317	3/16 (5)	1.65 (.75)	5.89 (149.6)	3.26 (82.9)	Stikit™ 20351	051141-20317-1
20253	5/16 (8)	1.65 (.75)	5.89 (149.6)	3.26 (82.9)	Stikit™ 20351	051141-20253-2
Tool Diameter: 6" (150mm) Max RPM: 12,000 Motor: .28 HP (209 W) Airflow Rate: 17 SCFM (481 LPM)						
20328	3/32 (2.5)	1.68 (.76)	6.34 (161.1)	3.26 (82.9)	Stikit™ 20354	051141-20328-7
20325	3/16 (5)	1.74 (.79)	6.39 (162.3)	3.26 (82.9)	Stikit™ 20354	051141-20325-6
20324	5/16 (8)	1.78 (.81)	6.39 (162.3)	3.26 (82.9)	Stikit™ 20354	051141-20324-9

3M™ Inline Sanders 1 HP (744W)

Generate straight line scratches for finishing stainless steel and other metals. These straight shaft sanders can be used with inflatable or slotted wheel accessories and many other wheel products.



Model No.	Max RPM	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Collet Size	UPC
Motor: 1 HP (744 W)						
28338	1,600	3.32 (1.51)	9.88 (251)	1/4" NPT	5/8"-11	051141-28338-8
28339	3,500	2.64 (1.20)	8.50 (216)	1/4" NPT	5/8"-11	051141-28339-5



3M™ Disc Sanders

Designed for comfort and power, the 3M pneumatic disc sanders feature: 3M™ Gripping Material for a secure grip with less effort; a 97° head for decreased wrist strain; easy-handling, compact design for less vibration; 3M™ Roloc™ Disc Pads can directly mount to sander without collet.



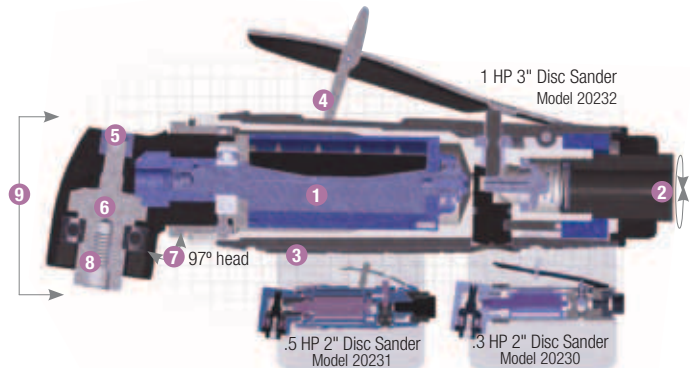
3M™ Disc Sander

3M's new Disc Sander 28408 delivers versatility, durability and power (1 HP). Combined with 3M™ and Scotch-Brite™ Abrasive Discs and Disc Accessories, the new sander expands 3M's right angle grinding systems to include 4", 4-1/2" and 5" discs for a variety of metalworking applications. The new tool design includes hardened steel rotors for superior motor function and smoothness, a precision valve system for accurate speed control, steel gear head casings for added durability and vibration and noise reduction features.

Model No.	Motor	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Exhaust Direction	UPC Code
Tool Diameter: 2" (50mm) Max RPM: 12,000 Air Inlet Thread: 1/4" NPT							
28328	.3 HP (223 W)	1.09 (.49)	5.91 (150.2)	2.5 (63.5)	17 (481)	Rear Directional	051141-28328-9
28329	.5 HP (372 W)	1.28 (.58)	6.75 (171.5)	2.75 (69.9)	23 (651)	Rear Directional	051141-28329-6
Tool Diameter: 2" (50mm) Max RPM: 20,000 Air Inlet Thread: 1/4" NPT							
28341	.3 HP (223 W)	1.09 (.49)	5.91 (150.2)	2.5 (63.5)	17 (481)	Rear Directional	051141-28341-8
20231	.5 HP (372 W)	1.28 (.58)	6.75 (171.5)	2.75 (69.9)	23 (651)	Rear Directional	051141-20231-0
Tool Diameter: 3" (76mm) Max RPM: 15,000 Air Inlet Thread: 1/4" NPT							
20232	1 HP (744 W)	1.97 (.89)	8.25 (209.6)	3.25 (82.6)	35 (991)	Rear Directional	051141-20232-7
Tool Diameter: 4"-5" (100-125mm) Max RPM: 12,000 Air Inlet Thread: 3/8" NPT*							
NEW! 28408	1 HP (744 W)	3.1 (1.4)	12.5 (317.5)	4.23 (107.4)	35 (991)	Rear	051141-28408-8

*includes 3/8" to 1/4" reducer

- 1 High-output air motor
- 2 Directional exhaust (360 degree*) — not on Model No. 28408
- 3 3M™ Gripping Material
- 4 Safety lever throttle to avoid accidental starting
- 5 Needle and ball bearing supported output spindle
- 6 Robust spiral bevel gearing
- 7 97° head (vs. 90°) allows for more comfortable wrist position
- 8 Direct mount for use with 3M™ Roloc™ Backup Pads without using a collet
- 9 Shorter distance to the workpiece generates less vibration and allows for better control

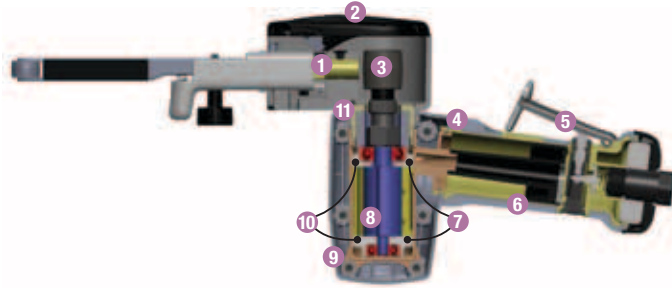


3M™ File Belt Sander

Ideally suited for use with 3M™ Abrasive Belts and Scotch-Brite™ Belts for a variety of metalworking applications. Grind and blend from contact wheel or platen, finish and polish from slack of belt.



Model No.	Motor	Motor Speed RPM	Belt Speed SFPM (SMM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	UPC
28366	0.6 HP	22,000	4990 (1521)	2.8 (1.3)	14.57 (370)	2.93 (74.5)	5.95 (151.2)	051141-28366-1



- 1 Hardened Steel Arm Post – provides stability
- 2 Metal Shielded Composite Belt Cover
- 3 Easily Interchangeable Steel or Rubber Drive Pulley
- 4 360° Rotatable Handle
- 5 Smooth Action Safety Lever – helps prevent accidental starting
- 6 Comfortable 3M™ Gripping Material
- 7 Steel Endplates – provide stability for more power; longer motor life
- 8 Hardened Steel Rotor – delivers more torque; provides wear resistance
- 9 Lightweight Reinforced Composite Housing
- 10 Contamination Resistant Double Shielded Precision Bearings
- 11 60° Rotatable Belt Housing/Guard

3M™ File Belt Sander Kit

This convenient kit comes packed in a molded case and includes:

- 3M™ File Belt Sander (PN 28366)
- 2 popular attachment arms (PNs 28368 and 28370)
- 0.5 oz. sample of 3M™ Air Tool Lubricant (PN20451)
- Steel and rubber drive wheels

Model No.	UPC
28367	051141-28367-8





95298

3M™ Fibre Discs

Choose the performance level that fits your needs with a complete offering of 3M™ Fibre Discs. Get great performance at a great price with 3M's general purpose metalworking disc 381C. Or, set a new standard for productivity with 3M™ Cubitron™ II 982C Discs. All of 3M's fibre discs are available in a variety of sizes.

3M™ Fibre Disc Selection Guide

Select Fibre Discs for fast cutting when grinding and blending.

	Product ID	Mineral	Metal Type
Good	381C	Aluminum Oxide	Carbon Steel
	501C	Alumina Zirconia	Stainless/Aluminum
Better	501C	Alumina Zirconia	Carbon Steel
	785C	Ceramic Aluminum Oxide Blend	Stainless/Aluminum
Best	988C	Ceramic Abrasive Grain	Carbon Steel
	985C	Ceramic Abrasive Grain	Stainless/Aluminum
Premium	982C	Precision Shaped Ceramic	Carbon Steel
	987C	Precision Shaped Ceramic	Stainless/Aluminum

3M™ Fibre Discs 381C

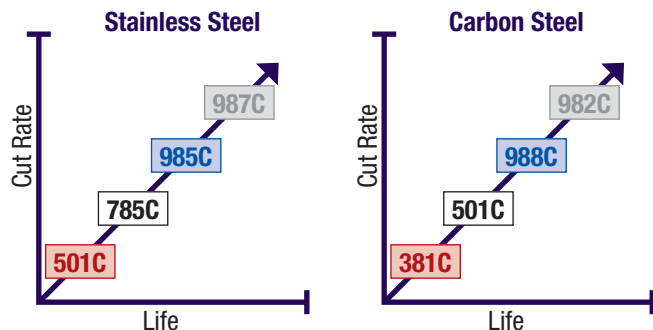
- General purpose disc for weld removal, grinding and blending
- Resin bond aluminum oxide provides durability and aggressive stock removal



159094

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051144-77595-8	24	13,300	4-1/2" x 7/8"	
051144-77596-5	36			
051144-77597-2	50			
051144-77598-9	60			
051144-77599-6	80			
051144-77600-9	100			
051144-77601-6	120	12,000	5" x 7/8"	25
051144-81369-8	24			
051144-81372-8	36			
051144-81375-9	50			
051144-01727-0	60			
051144-20054-2	80			
051144-20053-5	100	8,600	7" x 7/8"	
051144-20052-8	120			
051144-01745-4	16			
051144-81370-4	24			
051144-81373-5	36			
051144-81376-6	50			
051144-01741-6	60	6,600	9-1/8" x 7/8"	25/100
051144-01740-9	80			
051144-01739-3	100			
051144-01738-6	120			25
051144-81371-1	24			
051144-81373-5	36			
051144-81377-3	50	100		
051144-01762-1	80			
051144-01761-4†	100			
051144-01760-7†	120			

† Made-to-Order



See pages 48–55 for available accessories.

3M™ Fibre Discs (cont.)

3M™ Fibre Discs 501C

- Versatile disc for use on a wide variety of metals
- Aluminum zirconia provides a good option for both stainless and mild steel applications



51773

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051111-50409-3	24	13,300	4-1/2" x 7/8"	25/100
051111-50413-0	36			
051111-50414-7	50			
051111-50415-4	60			
051111-50416-1	80			
051111-50417-8	100			
051111-50419-2	120			
051111-50410-9	24	12,000	5" x 7/8"	
051111-50412-3	36			
051111-50420-8	50			
051111-50421-5	60			
051111-50422-2	80			
051111-50423-9	100			
051111-50424-6	120			
051111-50411-6	24	8,600	7" x 7/8"	
051111-50426-0	36			
051111-50425-3	50			
051111-50427-7	60			
051111-50428-4	80			
051125-63799-2†	100			
051111-50430-7†	120			
051111-50432-1†	24	6,600	9-1/8" x 7/8"	
051111-50433-8	36			
051111-50434-5†	50			

† Made-to-Order

3M™ Fibre Discs 785C

- 3M™ Ceramic Aluminum Oxide blend abrasive grain
- An excellent starting point for stainless steel
- Includes a grinding aid for cooler running

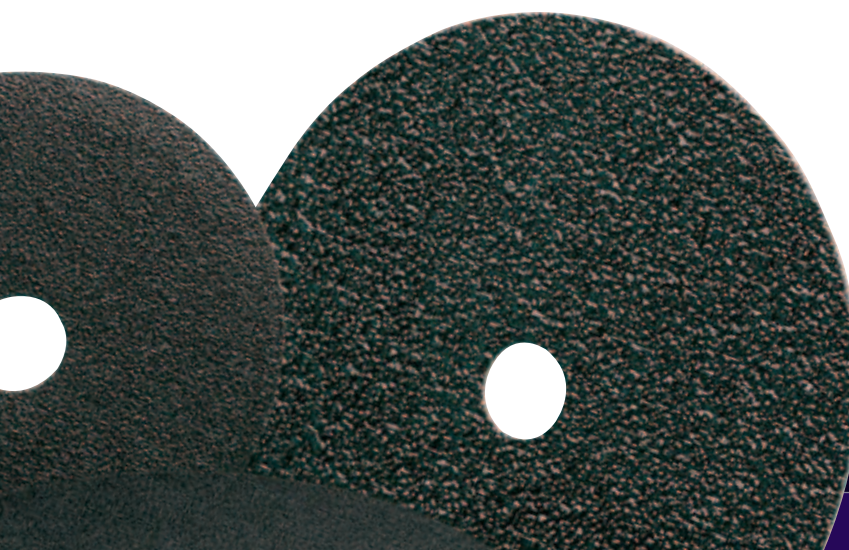


60875

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051111-60719-0	36	13,300	4-1/2" x 5/8-11*	25
051144-80660-7	36	13,300	4-1/2" x 7/8"	25/100
051144-80661-4	50			
051144-80662-1	60			
051144-80663-8	80			
051144-80665-2	P120			
051144-13931-6	24			
051144-13930-9	36			
051144-13928-6	50			
051144-13977-4	60			
051144-13926-2	80			
051144-80654-6	P100			
051144-80655-3	P120	8,600	7" x 7/8"	
051144-88831-3†	60			
051144-13937-8	24			
051144-13936-1	36			
051144-13934-7	50			
051144-13933-0	60			
051144-13932-3	80	6,600	9-1/8" x 7/8"	
051144-80656-0	P100			
051144-80657-7	P120			
051144-13943-9	24			
051144-13942-2	36			
051144-13940-8	50			
051144-13938-5	80			

† Made-to-Order

* Quick Change Tinneman Nut Attachment



Tech Tip

Weld Blending Mild Steel for Paint Prep

Step 1 – Fibre Disc 982C Grade 36+

Step 2 – Scotch-Brite™ Light Grinding and Blending Disc SD on black ribbed pad

Step 3 – Apply 3 mil Paint

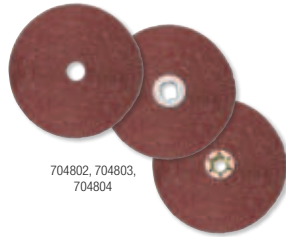
Results – Productivity increase
– Abrasive cost improvement

See pages 48–55 for available accessories.

3M™ Fibre Discs (cont.)

NEW! 3M™ Cubitron™ II Fibre Disc 982C

- 3M precision-shaped ceramic grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- Best in class for weld prep and removal on carbon steel applications



704802, 704803, 704804



606708

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051141-27400-3	36+	13,300	4-1/2" x 7/8"	25/100
051141-27631-1	60+			
051141-27635-9	80+			
051141-27401-0	36+	12,000	5" x 7/8"	
051141-27632-8	60+			
051141-27636-6	80+			
051141-27402-7	36+	8,600	7" x 7/8"	
051141-27633-5	60+			
051141-27637-3	80+			
051141-27403-4	36+	6,600	9-1/8" x 7/8"	
051141-27634-2	60+			
051141-27638-0	80+			
TN Quick Change				
051141-27425-6	36+	13,300	4-1/2" x 5/8-11*	25/100
051141-27639-7	60+			
051141-27642-7	80+			
051141-27404-1	36+	12,000	5" x 5/8-11*	
051141-27640-3	60+			
051141-27643-4	80+			
051141-27405-8	36+	8,600	7" x 5/8-11*	
051141-27641-0	60+			
051141-27644-1	80+			
GL Quick Change				
051141-27406-5	36+	12,000	5" x 5/8-11*	25/100
051141-27724-0	60+			
051141-27726-4	80+			
051141-27407-2	36+	8,600	7" x 5/8-11*	
051141-27725-7	60+			
051141-27727-1	80+			

* Quick Change Tinneman Nut Attachment

3M™ Fibre Discs 985C

- 3M™ Ceramic abrasive grain
- 3M's better choice for a long-lasting disc for stainless steel
- Includes a grinding aid for cooler running



157186

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051111-55767-9	36	12,000	5" x 7/8"	25/100
051111-55780-8	50			
051111-55776-1	60			
051111-55779-2	80	8,600	7" x 7/8"	
051111-55971-0	24			
051111-55972-7	36			
051111-55973-4	50	8,600	7" x 7/8"	
051111-55974-1	60			
051111-55975-8	80			

Tech Tip

Use 3M™ Red Ribbed Pads to optimize product life of 900 series fibre discs—grades 24 and 36.

See pages 48–55 for available accessories.

3M™ Fibre Discs (cont.)

NEW! 3M™ Cubitron™ II Fibre Disc 987C

- 3M precision-shaped ceramic grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- Best in class for weld prep and removal on heat sensitive alloys such as stainless steel



3M™ Fibre Discs 988C

- 3M™ Ceramic abrasive grain
- 3M's best premium disc for long-lasting performance for mild steel grinding



UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case	
051141-27447-8	36+	13,300	4-1/2" x 7/8"	25/100	
051141-27653-3	60+				
051141-27657-1	80+				
051141-27448-5	36+	12,000	5" x 7/8"		
051141-27654-0	60+				
051141-27658-8	80+				
051141-27449-2	36+	8,600	7" x 7/8"		
051141-27655-7	60+				
051141-27659-5	80+				
051141-27450-8	36+	6,600	9-1/8" x 7/8"		
051141-27656-4	60+				
051141-27660-1	80+				
TN Quick Change					
051141-27469-0	36+	13,300	4-1/2"	25/100	
051141-27661-8	60+				
051141-27664-9	80+				
051141-27467-6	36+	12,000	5"		
051141-27662-5	60+				
051141-27665-6	80+				
051141-27468-3	36+	8,600	7"		
051141-27663-2	60+				
051141-27666-3	80+				
GL Quick Change					
051141-27728-8	36+	12,000	5"		25/100
051141-27730-1	60+				
051141-27732-5	80+				
051141-27729-5	36+	8,600	7"		
051141-27731-8	60+				
051141-27733-2	80+				

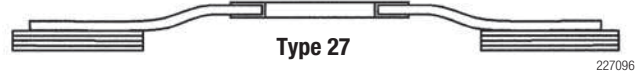
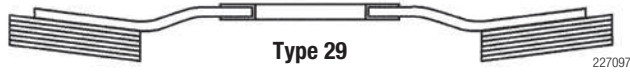
UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Min./Case
051111-55712-9	36	13,300	4-1/2" x 5/8-11*	25/100
051141-27341-9†	36	12,000	5" x 5/8-11*	100
051111-55746-4	24	12,000	5" x 7/8"	25/100
051111-55743-3	36			
051111-55742-6	50			
051111-60319-2	60			
051111-55740-2	80			
051111-55840-9	24	8,600	7" x 5/8-11*	
051111-55715-0	36			
051111-55964-2	24			
051111-55965-9	36			
051111-55966-6	40			
051111-55967-3	50			
051111-55739-6	60			
051111-55968-0	80			
051111-60314-7	24	6,600	9-1/8" x 7/8"	50/100
051111-55744-0	24			
051111-55735-8	36			
051111-55733-4	50			25/100

† Made-to-Order
 * Quick Change Tinneman Nut Attachment

See pages 48–55 for available accessories.

3M™ Flap Discs

3M™ Flap Discs offer an unbeatable system for grinding and blending in one easy step. The construction wears away, exposing fresh mineral to extend disc life and provide consistent cut rates. Great for weld grinding, blending, deburring, rust removal, surface prep and edge grinding on all types of metal. Available in both T29 or T27 constructions with or without the 5/8–11 hub.



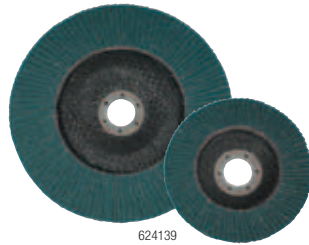
3M™ Flap Disc Selection Guide

Select Flap Discs for extended life and single-step grinding/blending on all types of metals.

	Product ID	Mineral	4-1/2" x 7/8"		4-1/2" x 5/8–11		7" x 7/8"		7" x 5/8–11	
			T27	T29	T27	T29	T27	T29	T27	T29
Good	546D	Alumina Zirconia	●	●	●	●	●	●	●	●
	577F	Alumina Zirconia	●	●	●	●	●	●	●	●
Better	747D	Ceramic Aluminum Oxide Blend	●		●		●			

NEW! 3M™ Flap Discs 546D

- Versatile alumina zirconia mineral works on a variety of metals and applications
- Flexible X wt. cotton backing designed for fast cut on light duty grinding/finishing applications



3M™ Flap Discs 546D (cont.)

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case
Type 29				
051115-28874-6†	24	13,300	4-1/2" x 7/8"	10
051115-28875-3†	36			
051115-28876-0	40			
051115-28877-7	60			
051115-28878-4	80			
051115-28879-1†	120			
051115-28868-5†	24		4-1/2" x 5/8–11*	
051115-28869-2†	36			
051115-28870-8	40			
051115-28871-5	60			
051115-28872-2	80			
051115-28873-9†	120			

† Made-to-Order
* Quick Change Hub Attachment

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case
Type 29				
051115-28926-2†	24	8,600	7" x 7/8"	5
051115-28927-9†	36			
051115-28928-6	40			
051115-28929-3	60			
051115-28930-9	80			
051115-28931-6†	120			
051115-28920-0†	24		7" x 5/8–11*	
051115-28921-7†	36			
051115-28922-4	40			
051115-28923-1	60			
051115-28924-8	80			
051115-28925-5†	120			

† Made-to-Order
* Quick Change Hub Attachment

See pages 48–55 for available accessories.

3M™ Flap Discs (cont.)

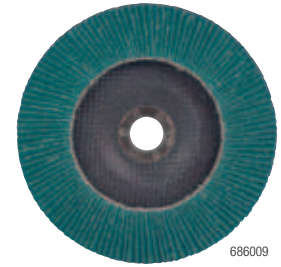
3M™ Flap Discs 546D (cont.)

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case
Type 27				
051141-30598-1†	36	13,300	4-1/2" x 7/8"	10
051141-30599-8	40			
051141-30600-1	60			
051141-30601-8	80			
051141-30602-5†	120			
051141-30593-6†	36			
051141-30594-3	40			
051141-30595-0	60			
051141-30596-7	80			
051141-30597-4†	120			
051141-30603-2†	36	8,600	7" x 7/8"	5
051141-30604-9	40			
051141-30605-6	60			
051141-30606-3	80			
051115-28917-0†	120			
051141-30607-0†	36			
051141-30608-7	40			
051141-30609-4	60			
051141-30610-0	80			
051115-28919-4†	120			

† Made-to-Order
* Quick Change Hub Attachment

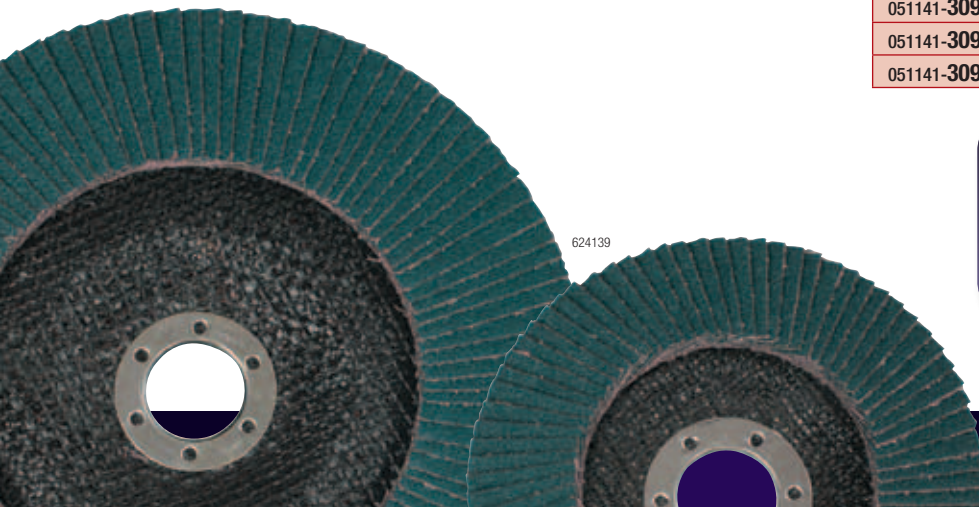
NEW! 3M™ Flap Discs 577F

- Versatile alumina zirconia mineral works on a variety of metals and applications
- Durable YF wt. polyester backing designed for long life on the most heavy duty grinding applications



686009

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case			
Type 29							
051141-30983-5	36	13,300	4-1/2" x 5/8-11	10			
051141-30984-2	40						
051141-30985-9	60						
051141-30986-6	80						
051141-30987-3	36						
051141-30988-0	40						
051141-30989-7	60						
051141-30990-3	80						
051141-30991-0	36						
051141-30992-7	40						
051141-30993-4	60	8,600	7" x 5/8-11	5			
051141-30994-1	80						
051141-30995-8	36						
051141-30996-5	40						
051141-30997-2	60						
051141-30998-9	80						
Type 27							
051141-30951-4	36				13,300	4-1/2" x 5/8-11	10
051141-30952-1	40						
051141-30953-8	60						
051141-30954-5	80						
051141-30955-2	36						
051141-30956-9	40						
051141-30957-6	60						
051141-30958-3	80						
051141-30963-7	36						
051141-30964-4	40						
051141-30965-1	60	8,600	7" x 5/8-11	5			
051141-30966-8	80						
051141-30959-0	36						
051141-30960-6	40						
051141-30961-3	60						
051141-30962-0	80						
Type 27							
051141-30962-0	80				8,600	7" x 7/8"	5
051141-30963-7	36						
051141-30964-4	40						
051141-30965-1	60						
051141-30966-8	80						
051141-30959-0	36						
051141-30960-6	40						
051141-30961-3	60						
051141-30962-0	80						



624139

Tech Tip

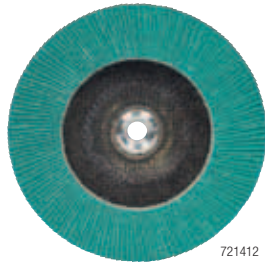
Flap discs typically provide a finish one grade finer than they are graded.

See pages 48–55 for available accessories.

3M™ Flap Discs (cont.)

NEW! 3M™ Giant Flap Discs 577F

- Versatile alumina zirconia mineral works on a variety of metals and applications
- Durable YF wt. polyester backing designed for long life on the most heavy duty grinding applications
- 25% more flaps than standard 3M™ Flap Discs 577F



721412

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case			
Type 29							
051141-30999-6	36	13,300	4-1/2" x 5/8-11	10			
051141-31000-8	40						
051141-31001-5	60						
051141-31002-2	80						
051141-31003-9	36						
051141-31004-6	40		4-1/2" x 7/8"				
051141-31005-3	60						
051141-31006-0	80						
051141-31011-4	36				8,600	5	
051141-31012-1	40						7" x 5/8-11
051141-31013-8	60						
051141-31014-5	80						
051141-31007-7	36						
051141-31008-4	40	7" x 7/8"					
051141-31009-1	60						
051141-31010-7	80						
Type 27							
051141-30967-5	36		13,300	4-1/2" x 5/8-11			10
051141-30968-2	40						
051141-30969-9	60						
051141-30970-5	80						
051141-30971-2	36	4-1/2" x 7/8"					
051141-30972-9	40						
051141-30973-6	60						
051141-30974-3	80			8,600	5		
051141-30979-8	36					7" x 5/8-11	
051141-30980-4	40						
051141-30981-1	60						
051141-30982-8	80						
051141-30975-0	36	7" x 7/8"					
051141-30976-7	40						
051141-30977-4	60						
051141-30978-1	80						

3M™ Flap Discs 747D

- 3M™ Ceramic Aluminum Oxide blend abrasive grain provides extended cut and life on hard metals

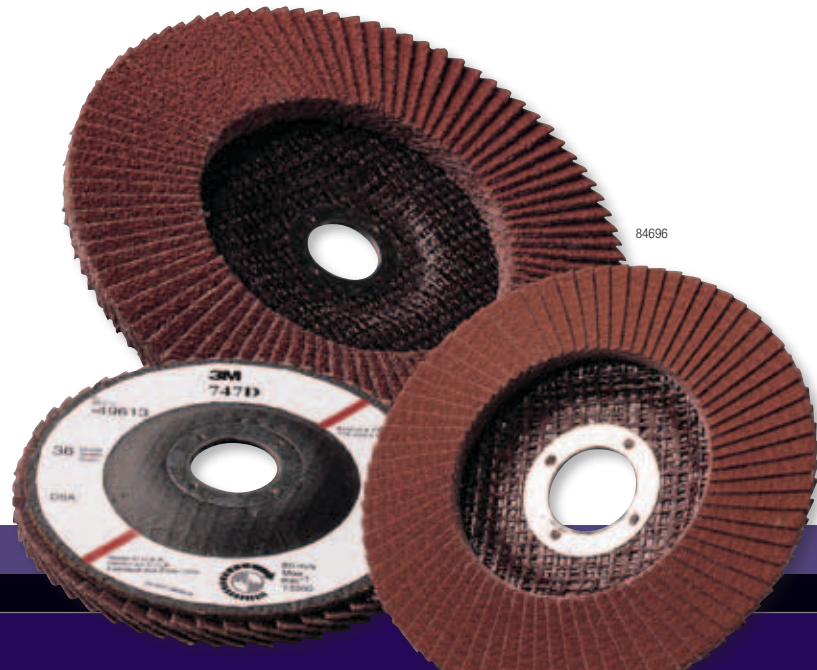


84696

UPC	Grade	Max. RPM	Dia. x Ctr. Hole	Qty./Case
Type 27				
051111-49613-8	36	13,300	4-1/2" x 7/8"	10
051111-49614-5	50			
051111-49615-2	60			
051111-49616-9	80			
051111-49617-6	P120			
051111-55805-8	36			
051111-61057-2†	50			
051111-61058-9†	60			
051111-61059-6†	80			
051111-61060-2†	P120		8,600	
051111-49608-4	36			
051111-49609-1	50			
051111-49610-7	60			
051111-49611-4	80			
051111-49612-1†	120			

† Made-to-Order

* Quick Change Tinneman Nut Attachment



84696

See pages 48–55 for available accessories.

3M™ Stikit™ and PSA Discs

3M™ Stikit™ and PSA Discs are designed to handle a wide range of sanding and finishing needs. These discs have a pressure sensitive adhesive coating on the back side for easy application and clean removal.

3M™ Stikit™ and PSA Disc Selection Guide

	3M ID	Anti-Loading	Backing	Application		Metal Type		
				Blending	Finishing	Aluminum	Carbon Steel	Non-Ferrous (Brass/Bronze)
Good	341D	—	X wt. Cloth	●	●	●	●	●
Better	236U	Yes	C wt. Paper	●	●	●	●	
	363I	—	F wt. Paper	●	●	●	●	
	348D	—	X wt. Cloth	●		●	●	

3M™ Stikit™ Discs

3M™ Stikit™ Disc Roll 236U

- Aluminum oxide on a C wt. paper backing
- Discs for paint, primer, wood, metal, plastic and fiberglass
- Strong paper backing provides durability and increased cut rate
- Open coat minimizes loading
- Load resistant coating



UPC	Grade	Diameter	Discs/Roll	Qty./Case
Paper Backing				
051144-86488-1	P80	5"	100	4
051144-86489-8	P100			
051144-86490-4	P120			
051144-86491-1	P150			
051144-86492-8	P180			
051144-86493-5	P220			
051144-86494-2	P240			
051144-86495-9	P320			
051144-86496-6	P400			
051144-86497-3	P500			
051144-86468-3	P80	6"	100	4
051144-86469-0	P100			
051144-86470-6	P120			
051144-86471-3	P150			
051144-86472-0	P180			
051144-86473-7	P220			
051144-86474-4	P240			
051144-86475-1	P320			
051144-86476-8	P400			
051144-86477-5	P500			



3M™ Stikit™ Disc Roll 341D

- Aluminum oxide on a durable X wt. cloth backing
- Resin bonded for heat resistance



UPC	Grade	Diameter	Discs/Roll	Qty./Case
Paper Backing				
051144-21752-6	50	5" X NH	100	4
051144-21751-9	60			
051144-21750-2	80			
051144-21749-6	P100			
051144-21748-9	P120			
051144-21746-5	P180	6" X NH	100	4
051144-21762-5	60			
051144-21761-8	80			

See pages 48–55 for available accessories.



3M™ Stikit™ Discs (cont.)

3M™ Stikit™ Disc Roll 363I

- Aluminum oxide on an extra heavy F wt. paper backing
- Resin bonded for heat resistance



105480

UPC	Grade	Diameter	Discs/Roll	Qty./Case
Paper Backing				
051144-21800-4	60	5" x NH	100	4
051144-21799-1	80			
051144-21798-4	P100			
051144-21797-7	P120			
051144-21796-0	P150			
051144-21795-3	P180			
051144-21794-6	60	6" x NH	100	4
051144-21793-9	80			
051144-21792-2	P100			
051144-21791-5	P120			
051144-21790-8	P150			
051144-21789-2	P180			

3M™ PSA Cloth Disc 348D (cont.)

UPC	Grade	Diameter	Min./Case
Cloth Backing			
051144-20891-3	36	5"	50/250
051144-20890-6	40		
051144-20889-0	50		
051144-20888-3	60		
051144-20887-6	80		
051144-20886-9	P100		
051144-20885-2	P120	6"	
051144-20884-5	P150		
051144-20883-8	P180		
051144-20881-4	P240		
051144-21639-0	36		
051144-21731-1	40		
051144-20879-1	50		
051144-20878-4	60		
051144-20877-7	80		
051144-20876-0	P100		
051144-21497-6	P120	12"	
051144-20874-6	36		
051144-20873-9	40		
051144-20871-5	60		
051144-20870-8	80		
051144-20868-5	P120		16"
051144-88906-8	36		
051144-88905-1	40		
051144-88904-4	50		
051144-88903-7	60		
051144-88902-0	80	18"	
051144-88901-3	P100		
051144-88890-0	36		
051144-88889-4	40		
051144-88887-0	60		
051144-88886-3	80		20"
051144-88882-5	36		
051144-88880-1	60		
051144-88878-8	36		
051144-88877-1	40		
051144-88876-4	50	24"	
051144-88875-7	60		
051144-88874-0	80		
051144-20802-9	36		
051144-20801-2	40		
051144-20798-5	80		

NEW! 3M™ PSA Discs

3M™ PSA Cloth Disc 348D

- Aluminum oxide on an X wt. cloth backing
- Heavy-duty, cloth-backed discs for more aggressive applications
- Provides excellent adhesion while removing easily



681776

UPC	Grade	Diameter	Min./Case
Cloth Backing			
051144-20913-2	36	2"	50/200
051144-20911-8	50		
051144-20910-1	60		
051144-20909-5	80		
051144-20908-8	P100		
051144-20907-1	P120		
051144-01335-7	40	3"	
051144-01334-0	50		
051144-01333-3	60		
051144-01332-6	80		
051144-01331-9	P100		
051144-01330-2	P120		

See pages 48–55 for available accessories.

ATTENTION: See backup pad maximum operating speed for the appropriate operating speed for the 3M™ Stikit™ and PSA Discs.

3M™ Roloc™ Discs

3M™ Roloc™ Discs provide a fast, efficient method for grinding, blending, leveling and finishing on all types of metal. They lock securely in place with just a half twist...another half twist and they're off. Each disc is color coded by grade. (This does not include 3M Roloc TSM products.)

3M™ Roloc™ Disc Button Color/Grade Chart

- 24/Black
- 80/Yellow
- 150/Black
- 36/Brown
- 100/Blue
- 180/Brown
- 50/Green
- 120/White
- 240/Green
- 60/Orange

■ Mild Steel ■ Stainless Steel

Key: Colored square indicates recommended usage.

3M™ Roloc™ Cloth Disc Selection Guide

	Product ID	Mineral	Features	Metal Type	Grinding	Light Grinding	Blending	Deburring
Good	361F	Aluminum Oxide	General purpose grinding, light grinding, blending, and deburring on all metals	All Metals	●	●	●	●
	461F	Silicon Carbide	Ideal for grinding glass, titanium and non-ferrous metals	Titanium		●	●	●
Better	777F	Ceramic A/O* Blend	Durable Y wt. Cloth backing; Grinding aid	Stainless Steel, Nickel Alloy	●	●	●	●

*A/O – Aluminum Oxide

3M™ Roloc™ Fiber Disc Selection Guide





	Product ID	Mineral	Features	Metal Type	Grinding	Light Grinding	Blending	Deburring
Good	501C	Aluminum Zirconia	Versatile disc for use on a wide variety of metals; General purpose grinding, blending and finishing on all metals	All Metals	●	●		●
Better	785C	Ceramic A/O* Blend	Excellent for stainless steel; Grinding aid	Stainless Steel	●	●		●





*A/O – Aluminum Oxide

Optimum Tool Speeds to Maximize 3M™ Roloc™ Disc Cut Rates and Life

Disc Size	Material Type			
	Stainless	Aluminum	Steel	Titanium
1-1/2"	20,000 RPM	30,000 RPM	30,000 RPM	9,000 RPM
2"	15,000 RPM	20,000 RPM	20,000 RPM	7,000 RPM
3"	10,000 RPM	15,000 RPM	15,000 RPM	4,500 RPM
4"	8,000 RPM	9,000 RPM	9,000 RPM	3,000 RPM

3M™ Roloc™ Attachment System Guide

Product ID	Attachment			
	TP 	TR 	TSM 	TS 
361F	●	●	●	
461F		●		
777F		●	●	●
501C		●	●	
785C		●		

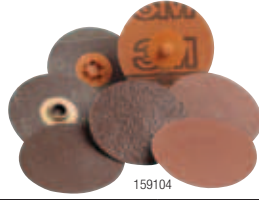
Diameter	Attachment			
	TP 	TR 	TSM 	TS 
3/4"	●	●		●
1"	●	●	●	●
1-1/2"	●	●	●	●
2"	●	●	●	●
3"	●	●	●	●
4"	●	●		●


See pages 48–55 for available accessories.

3M™ Roloc™ Discs (cont.)

3M™ Roloc™ Disc 361F ■



- Aluminum oxide on a YF wt. cloth backing
- General purpose grinding, blending and finishing on all metals



UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TR (Plastic Button) 				
051144-11412-2	36	30,000	1"	50/500
051144-11411-5	50			
051144-11417-7	60			
051144-11416-0	80			
051144-11415-3	P100			
051144-11414-6	P120			
051144-11452-8†	24	30,000	1-1/2"	50/500
051144-22396-1	36			
051144-11137-4	50			
051144-22397-8	60			
051144-22407-4	80			
051144-22408-1	P100			
051144-22409-8	P120	25,000	2"	50/200
051144-11000-1	24			
051144-22398-5	36			
051144-22399-2	50			
051144-22400-5	60			
051144-22401-2	80			
051144-22402-9	P100	20,000	3"	50/200
051144-22403-6	P120			
051144-14559-1	P150			
051144-13873-9	P180			
051144-11419-1	P240			
051144-22392-3	24			
051144-22393-0	36			
051144-22394-7	50			
051144-22395-4	60			
051144-22404-3	80			
051144-22405-0	P100			
051144-22406-7	P120	80	4"	25/100
051144-82244-7	P150			
051144-11418-4	P240			
051144-76429-7	36	12,000	4"	25/100
051144-11421-4	60			
051144-11420-7	80			

† Made-to-Order

3M™ Roloc™ Disc 361F (cont.)

UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TSM (Metal Button) 				
051111-49932-0	36	30,000	1-1/2"	50/500
051111-49933-7	60			
051111-49934-4	80			
051111-51039-1	P100			
051111-51038-4†	P120			
051111-49936-8	36			
051111-49937-5	60			
051111-49938-2	80			
051111-51034-6	P100			
051111-49939-9	P120			
051111-51033-9	36	20,000	3"	50/200
051111-49940-5	60			
051111-49941-2	80			
051111-49942-9	P100			
051111-49943-6	P120			
Roloc TP (Metal Button) 				
051111-82401-4	40	25,000	2"	50/200
051111-76806-6	60			
051111-76810-3	80			
051111-77115-8†	100			
051111-22393-0	36	20,000	3"	50/200
051111-22394-7	50			
051111-22395-4	60			
051111-22404-3	80			
051111-22405-0	P100			

† Made-to-Order

See pages 48–55 for available accessories.


3M™ Roloc™ Discs (cont.)

3M™ Roloc™ Disc 461F

- Silicon carbide on a YF wt. cloth backing gives stainless steel a brighter finish
- Ideal for grinding glass, titanium and non-ferrous metals



51704



UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TR (Plastic Button) 				
051144-12956-0	P60	25,000	2"	50/200
051144-12954-6	P80		2"	
051144-12957-7	P60	20,000	3"	
051144-12955-3	P80		3"	

3M™ Roloc™ Fibre Disc 501C

- Aluminum zirconia – Fibre
- Versatile disc for use on a wide variety of metals



159108

UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TR (Plastic Button) 				
051141-20645-5	36	25,000	2"	50/200
051111-50748-3	50			
051111-50749-0	60			
051111-50750-6	80	20,000	3"	
051111-50743-8	36			
051111-50744-5	50			
051111-50745-2	60			
Roloc TSM (Metal Button) 				
051111-50755-1	36	25,000	2"	50/200
051111-50756-8	50			
051111-50757-5	60			
051111-50758-2	80	20,000	3"	
051111-50751-3	36			
051111-50752-0	50			
051111-50753-7	60			
051111-50754-4	80			




524509

3M™ Roloc™ Disc 777F

- 3M™ Ceramic Aluminum Oxide blend abrasive grain
- Cloth backing for durability
- Grinding aid for cooler running






424847

UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TR (Plastic Button) 				
051144-76622-2	36	30,000	1"	50/500
051144-76623-9	50			
051144-76624-6	60			
051144-76625-3	80			
051144-80510-5	P120	25,000	2"	
051144-76626-0	36			
051144-76627-7	50			
051144-76628-4	60			
051144-14660-4	80	20,000	3"	50/200
051144-80511-2	P120			
051144-76629-1	36			
051144-76630-7	50			
051144-76433-4	60	25,000	2"	
051144-14661-1	80			
051144-80508-2	P100			
051144-80512-9	P120			
051144-76631-4	36	20,000	3"	50/200
051144-76632-1	50			
051144-76633-8	60			
051144-76634-5	80			
051144-80509-9	P100	25,000	2"	
051144-80513-6	P120			

See pages 48–55 for available accessories.

3M™ Roloc™ Discs (cont.)

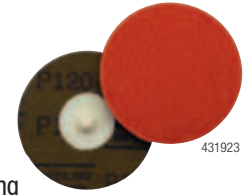
3M™ Roloc™ Disc 777F (cont.)


UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TSM (Metal Button) 				
051111-49949-8	36	25,000	2"	50/200
051111-50253-2	60			
051111-50254-9	80			
051111-50255-6	100			
051111-50256-3	P120			
051111-50257-0	36	20,000	3"	
Roloc TP (Metal Button) 				
051144-76770-0†	60	25,000	2"	50/200
051144-76743-4†	36	20,000	3"	
051144-76763-2†				
051144-76767-0†				
051144-76767-0†				
Roloc TS (Plastic Button) 				
051144-76742-7	36	25,000	2"	50/200
051144-76746-5	50			
051144-76750-2	60			
051144-76743-4†	36	20,000	3"	
051144-76747-2†	50			
051144-76751-9	60			
051144-76755-7	80			

† Made-to-Order

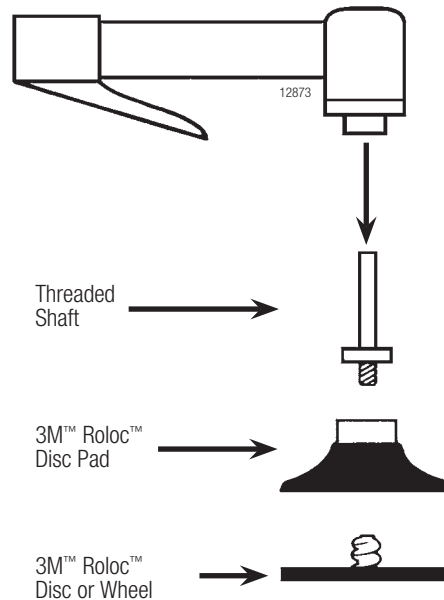
3M™ Roloc™ Fibre Disc 785C ■

- 3M™ Ceramic Aluminum Oxide blend abrasive grain – Fibre
- An excellent starting point for stainless steel
- Includes a grinding aid for cooler running



UPC	Grade	Max. RPM	Diameter	Min./Case
Roloc TR (Plastic Button) 				
051144-85882-8†	24	20,000	3"	50/100
051144-85883-5	36			
051144-85884-2	50			
051144-85885-9	60			
051144-85886-6	80			
051144-85887-3	P100	12,000	4"	50/200
051144-85888-0	P120			
051144-83690-1	36	12,000	4"	25/100
051144-83691-8	50			
051144-83692-5	60			
051144-83693-2	80			
051144-83694-9	P100			
051144-83695-6	P120			

† Made-to-Order



See pages 48–55 for available accessories.

14494



84685

3M™ Belts

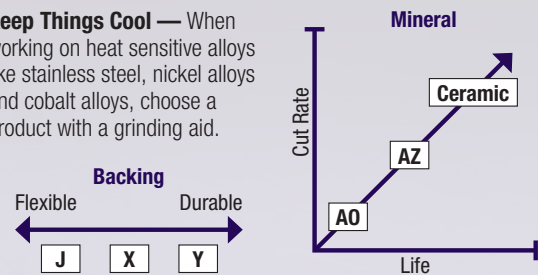
3M is the one-stop shop for all of your coated abrasive metalworking belt needs! We offer a product tailored to nearly every application and performance level. To select the best product for your application, check out our easy-to-use Belt Selection Guide. Each tier of product offers best-in-class performance at various price points. Once you have selected the product, use the Availability Guide to select your grade. The following section includes our most popular belt items, but remember, we can provide any size belt that you might need!

Abrasive Speed Recommendations for Off-Hand Applications

Alloy	Belt Speed (surface feet per minute)	Applicable Belt Grades
Cast Iron	7,000	24–120
Carbon Steel	6,500	24–120
Stainless Steel	6,500–7,000	36–120
Nickel Alloys	6,000	36–120
Titanium	2,500–3,000	36–180
Aluminum	7,500–8,500	24–120
	6,500–7,000	Fine Grades
Brass	7,000–8,000	36–180
Rubber	4,500	36–180
Glass	2,500–5,000	80–400
	6,000–8,000	
Stone	7,000	36–180

Tech Tip

Keep Things Cool — When working on heat sensitive alloys like stainless steel, nickel alloys and cobalt alloys, choose a product with a grinding aid.



3M™ Coated Belt Availability Guide

3M ID	Mineral	Backing	Grinding Aid	Use Dry/Wet	400	320	240	220	180	150	120	100	80	60	50	40	36	24
241E	Aluminum Oxide	XE		Dry		P		P	P	P	P	P	●					
341D		X		Dry	P	P	P	P	P	P	P	P	●	●	●	●	●	●
577F	Alumina Zirconia	YF	Yes	Dry/Wet					●	●	●	●	●	●	●	●	●	●
777F	Ceramic A/O* Blend	YF	Yes	Dry/Wet					P	P	P	P	●	●	●	●	●	●

*A/O – Aluminum Oxide

ATTENTION: Belts are available in other grades and sizes. If you need a specific belt not listed, contact your 3M Sales Specialist or 3M Authorized Distributor.

See pages 48–55 for available accessories.

3M™ Belts (cont.)

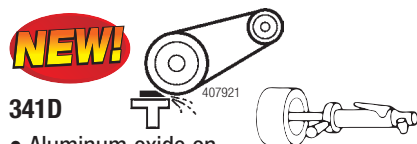
241E

- Aluminum oxide on an XE wt. cloth backing
- High strength backing for tougher applications
- Use with 3M™ File Belt Sander



UPC	Grade	W x L	Min./Case
Portable Tool			
051144-26733-0	60	1/4" x 24"	50/200
051144-26732-3	80		
051144-26731-6	120		
051144-31170-5	60	1/2" x 12"	
051144-26894-8†	80		
051144-26892-4†	120		
051144-72227-3†	60	1/2" x 18"	
051144-72228-0	80		
051144-72229-7†	120		
051144-26725-5†	50	1/2" x 24"	
051144-26723-1	60		
051144-26720-0	80		
051144-26719-4	100		
051144-26717-0†	120		
051144-26715-6	180		
051144-26714-9	220		
051144-14756-4	60		
051144-14519-5	80		
051144-14667-3	120		3/4" x 18"

† Made-to-Order



341D

- Aluminum oxide on an X wt. cloth backing
- Excellent all-around abrasive belt for blending and finishing



UPC	Grade	W x L	Min./Case
Backstand, Benchtop, Portable Tool			
051144-26614-2	36	1" x 42"	50/200
051144-31823-0	50		
891040-01450-7	60		
891040-01451-4	80		
891040-01452-1	P100		
891040-01453-8	P120		
051144-26602-9	P150		
051144-26601-2	P180		
051144-26599-2	P240		
051144-26597-8	P320		50/200

See pages 48–55 for available accessories.

341D (cont.)

UPC	Grade	W x L	Min./Case	
Backstand, Benchtop, Portable Tool				
051144-26443-8	36	1-1/2" x 60"	10/50	
051144-26441-4	40			
051144-26438-4	60			
051144-26436-0	80	2" x 48"	25/50	
051144-26571-8	36			
051144-26568-8	50			
051144-26564-0	60			
051144-26562-6	80			
051144-26561-9	P100			
051144-26560-2	P120			
051144-26424-7	50			
051144-33640-1	60			
051144-33639-5	80			
051144-33667-8	P120	2" x 60"	25/50	
051144-26320-2	36			
051144-26316-5	60			
051144-33067-6	80			
051144-26312-7	P120			
051144-26309-7	P180			
051144-81752-8	P240			
051144-26408-7	36			
051144-26400-1	60			
051144-26396-7	80			
051144-26388-2	P120	2-1/2" x 60"	10/50	
051144-26857-3	60			
051144-26856-6	80			
891040-02663-0	P120			
891040-01436-1	36		3-1/2" x 15-1/2"	25
891040-01439-2	60			
891040-01440-8	80			
051144-33647-0	60		4" x 24"	50
891040-01454-5	36			
891040-01455-2	40			
891040-01456-9	50			
891040-01457-6	60			
891040-10454-3	80			
891040-10455-0	P100			
891040-10456-7	P120			
051144-26517-6	P150			
051144-26515-2	P180			
051144-26513-8	P240	4" x 132"	25	
051144-74271-4	P120			
051144-14420-4	80			
051144-33061-4	P120			
051144-14508-9	P180			
051144-26511-8	36		6" x 48"	10/20
051144-26510-1	40			
051144-26509-4	50			
051144-26508-7	60			
051144-26507-0	80			
051144-26506-3	P100			
051144-26505-6	P120			
051144-26504-9	P150			
051144-26503-2	P180			
051144-26502-5	P240			
051144-74271-4	P120	37" x 60"	5	
051144-14420-4	80			
051144-33061-4	P120			
051144-14508-9	P180	37" x 75"	3	
051144-14507-2	80			
051144-14506-5	100			

3M™ Belts (cont.)

577F

- Alumina zirconia on a YF wt. cloth backing
- Resin bonded for heat resistance
- Features a grinding aid for cooler grinding
- Can be run wet or dry



UPC	Grade	W x L	Qty./Case
051141-30690-2	60	1/4" x 18"	50/200
051141-30691-9	80		
051141-30708-4	120		
051141-30694-0	60	1/4" x 24"	
051119-05580-1	80		
051141-30695-7	120		
051111-68668-3	60	1/2" x 12"	
051111-68695-9	80		
051141-30709-1	120		
051141-30686-5	36	1/2" x 18"	
051119-63081-7	60		
051119-82035-5	80		
051141-30689-6	120		
051141-30693-3	36	1/2" x 24"	
051111-68669-0	60		
051111-68696-6	80		
051111-69436-7	120	3/4" x 18"	
051141-30687-2	36		
051115-19553-2	60		
051125-19076-3	80		
051141-30688-9	120	3/4" x 20-1/2"	
051125-16745-1	60		
051111-68697-3	80		
051125-22333-1	120	1" x 18"	
051119-71425-8	60		
051125-23878-6	80		
051141-30692-6	120		
051115-19554-9	60	2" x 48"	25/50
051119-05579-5	80		
051125-11238-3	120		
051141-30699-5	36	2" x 60"	
051111-69103-8	60		
051141-30703-9	80		
051141-30704-6	120		

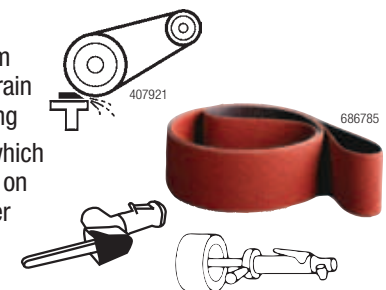
577F (cont.)

UPC	Grade	W x L	Qty./Case
051141-30698-8	36	2" x 72"	25/50
051111-69104-5	60		
051141-30701-5	80		
051141-30697-1	120		
051111-67602-8	36	2" x 132"	
051141-30702-2	50		
051111-69105-2	60		
051111-69108-3	80		
051141-30696-4	120	2-1/2" x 60"	
051119-64999-4	36		
051111-69106-9	60		
051125-12707-3	80		
051141-30706-0	120	3" x 132"	
051111-69099-4	36		
051119-82066-9	50		
051111-69569-2	60		
051111-69571-5	80	3-1/2" x 15-1/2"	
051111-67681-3	120		
051119-67701-0†	60		
051119-58968-9†	80	4" x 132"	
051119-67700-3†	120		
051111-67604-2	36	4" x 132"	
051115-27562-3	50		
051111-69570-8	60		
051111-69573-9	80		
051125-23987-5	120	6" x 48"	
051111-69445-9	60		
051119-83855-8	80		
051141-30707-7	120		

† Made-to-Order

777F

- 3M™ Ceramic Aluminum Oxide blend abrasive grain on a YF wt. cloth backing
- Contains grinding aid which enhances performance on stainless steel and other exotic alloys
- Can be run wet or dry



UPC	Grade	W x L	Min./Case
Backstand, Benchtop, Portable Tool			
051144-84403-6	60	1/4" x 18"	200
051144-85318-2	80		
051144-19579-2	P120		

See pages 48–55 for available accessories.