

3M™ Roloc™ Discs

3M™ Roloc™ Attachment System Guide

Product ID	Attachment Type		
	TR	TSM	TS
361F	●	●	
777F	●	●	●
947A	●	●	
984F	●	●	
782C	●	●	
787C	●	●	
982C	●	●	
987C	●	●	

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

TR (Plastic Button) TSM (Metal Button) TS (Plastic Button) 

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		

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

Disc Size	Material			
	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™ Cubitron™ II Roloc™ Fibre Disc 982C ■

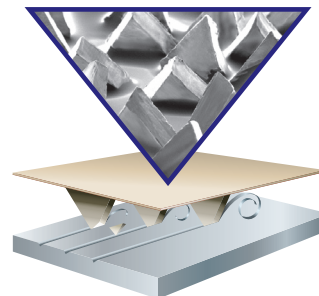
- Made with revolutionary 3M precision-shaped grain technology
- Provides long life and fast cut
- Rigid fiber backing enables fast, more aggressive cutting
- Optimized for use on carbon steel



UPC	Diameter	Grade	Min/Case
Roloc™ TR (Plastic Button) 			
051115-66778-7	2"	36+	50/200
051115-66783-1	2"	60+	50/200
051115-66788-6	2"	80+	50/200
051115-66779-4	3"	36+	50/200
051115-66784-8	3"	60+	50/200
051115-66789-3	3"	80+	50/200
051115-66780-0	4"	36+	25/100
051115-66785-5	4"	60+	25/100
051115-66790-9	4"	80+	25/100
Roloc™ TSM (Metal Button) 			
051115-66781-7	2"	36+	50/200
051115-66786-2	2"	60+	50/200
051115-66791-6	2"	80+	50/200
051115-66782-4	3"	36+	50/200
051115-66787-9	3"	60+	50/200
051115-66792-3	3"	80+	50/200
Roloc™ TS (Plastic Button) 			
051125-86755-9	4"	36+	25/100
051125-86760-3	4"	60+	25/100
051125-86761-0	4"	80+	25/100

■ Mild Steel ■ Stainless Steel

3M Precision-Shaped Grain



3M precision-shaped grain uses 3M microreplication technology to form sharp peaks that easily "slice" through metal — cutting cooler, faster and lasting longer than conventional abrasive grain.

3M
CUBITRON™ II
Industrial Abrasives

3M™ Roloc™ Discs

3M™ Roloc™ Disc 361F (cont)

UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TSM (Metal Button) 				
051111-49932-0	1-1/2"	36	30,000	50/500
051144-49933-7	1-1/2"	60	30,000	50/500
051144-49934-4	1-1/2"	80	30,000	50/500
051144-51039-1	1-1/2"	P100	30,000	50/500
051144-51038-4†	1-1/2"	P120	30,000	50/500
051144-49936-8	2"	36	25,000	50/200
051144-49937-5	2"	60	25,000	50/200
051144-49938-2	2"	80	25,000	50/200
051144-51034-6	2"	P100	25,000	50/200
051144-49939-9	2"	P120	25,000	50/200
051144-51033-9	3"	36	20,000	50/200
051144-49940-5	3"	60	20,000	50/200
051144-49941-2	3"	80	20,000	50/200
051144-49942-9	3"	P100	20,000	50/200
051144-49943-6	3"	P120	20,000	50/200

†Made-to-Order



3M™ Roloc™ Disc 777F

- 3M ceramic aluminum oxide blend abrasive grain
- Cloth backing for durability
- Grinding aid for cooler running



UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
051144-76622-2	1"	36	30,000	50/500
051144-76623-9	1"	50	30,000	50/500
051144-76624-6	1"	60	30,000	50/500
051144-76625-3	1"	80	30,000	50/500
051144-80510-5	1"	P120	30,000	50/500
051144-76626-0	1-1/2"	36	30,000	50/500
051144-76627-7	1-1/2"	50	30,000	50/500
051144-76628-4	1-1/2"	60	30,000	50/500
051144-14660-4	1-1/2"	80	30,000	50/500
051144-80511-2	1-1/2"	P120	30,000	50/500
051144-76629-1	2"	36	25,000	50/200
051144-76630-7	2"	50	25,000	50/200
051144-76433-4	2"	60	25,000	50/200
051144-14661-1	2"	80	25,000	50/200
051144-80508-2	2"	P100	25,000	50/200
051144-80512-9	2"	P120	25,000	50/200
051144-76631-4	3"	36	20,000	50/200
051144-76632-1	3"	50	20,000	50/200
051144-76633-8	3"	60	20,000	50/200
051144-76634-5	3"	80	20,000	50/200
051144-80509-9	3"	P100	20,000	50/200
051144-80513-6	3"	P120	20,000	50/200
Roloc™ TSM (Metal Button) 				
051111-49949-8	2"	36	25,000	50/200
051111-50253-2	2"	60	25,000	50/200
051111-50254-9	2"	80	25,000	50/200
051111-50255-6	2"	100	25,000	50/200
051111-50256-3	2"	P120	25,000	50/200
051111-50257-0	3"	36	20,000	50/200
Roloc™ TS (Plastic Button) 				
051144-76742-7	2"	36	25,000	50/200
051144-76746-5	2"	50	25,000	50/200
051144-76750-2	2"	60	25,000	50/200
051144-76743-4†	3"	36	20,000	50/200
051144-76747-2†	3"	50	20,000	50/200
051144-76751-9	3"	60	20,000	50/200
051144-76755-7	3"	80	20,000	50/200

†Made-to-Order

Random Orbital Systems

3M™ Abrasive Discs for Orbital Sanding

For more than 100 years, 3M Science has provided technologies designed to make your life easier and improve the world — one finish at a time. 3M offers the most advanced technologies and processes in the industry — and a wide selection of sanding discs to tackle any job.

3M™ Random Orbital Sanding Discs are designed to handle your specific sanding and finishing needs. Primary applications include stock removal, light weld blending, and paint preparation of surfaces from carbon steel to aluminum. The 3M portfolio offers the best sanding discs for metal applications to get the job done right.

3M™ and Scotch-Brite™ Disc Selection Guide

Performance	3M ID	Anti-Loading or Grinding Aid	Backing	Application		Material Type			Attachment System		
				Blending	Finishing	Stainless Steel	Aluminum	Carbon Steel	Stikit™ / PSA	Hookit™	Clean Sanding
Premium	732U	✓	C-Paper	•		•	•	•	•	•	•
	763U		F-Paper	•				•	•	•	•
	775L	✓	Film	•	•	•	•	•	•	•	•
	777F	✓	Y-Cloth	•		•		•	•		
	900DZ		J-Cloth	•			•		•	•	•
	947A	✓	X-Cloth	•		•		•		•	
	7447 PRO		Non-Woven		•	•	•	•		•	
Advanced	236U	✓	C-Paper	•	•		•	•	•	•	•
	341D/348D		X-Cloth	•	•	•		•	•		
	375L	✓	Film	•	•		•	•	•	•	†
Good	202DZ		J-Cloth		•		•	•	•		
	426U	✓	A-Paper		•		•		•	•	•

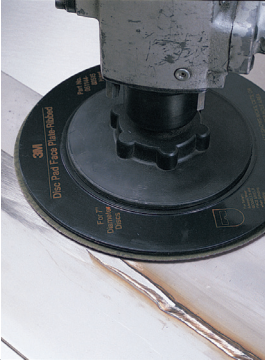
† 375L Clean Sanding Discs available in grades 60–P400.



Inline Sanding Systems

Level Welds Quickly to Match Directional Mill Finishes

In three easy steps, using the 3M Finishing System, you can grind and blend welds to match your finish.

		Product
Step 1 Leveling the Weld		Premium 3M™ Cubitron™ II Fibre Disc 987C
		Advanced 3M™ Fibre Disc 787C
		Advanced 3M™ Fibre Disc 501C
Step 2 Setting the Grain		Premium 3M™ Cubitron™ II Belt 947A
		Advanced 3M™ Belt 777F
Step 3: Final Finishing		Premium Scotch-Brite™ Surface Conditioning Belt A MED for a #4 finish, A CRS for a #3 finish
		Premium Scotch-Brite™ Match and Finish Flap Brush HS A CRS, A MED
Final: Blending and Touch-up Applications		Premium Scotch-Brite™ Hand Pad 7446 S MED