



3M™ Roloc™ Systems

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™ Cloth Disc Selection Guide




Product	Mineral Type	Features	Metal Type	Perform.	Grinding	Light Grinding	Blending	Deburring
984F	Precision-Shaped Grain	Durable 2-ply backing; Grinding aid; Fastest cutting	All Metals	Premium	●	●	●	●
947A	Precision-Shaped Grain	Durable 2-ply backing; Grinding aid	Stainless Steel and Aluminum	Premium	●	●	●	●
361F	Aluminum Oxide	Durable YF wt Polyester backing; General purpose grinding, light grinding, blending and deburring on all metals	All Metals	Good	●	●	●	●

3M™ Roloc™ Fibre Disc Selection Guide

Product	Mineral Type	Features	Metal Type	Perform.	Grinding	Light Grinding	Blending	Deburring
982C	Precision-Shaped Grain	Fastest cutting; Longest life	Carbon Steel	Premium	●	●		●
987C	Precision-Shaped Grain	Best in class performance; Grinding aid	Stainless Steel	Premium	●	●		●
787C	Precision-Shaped Grain	Grinding aid	Stainless Steel and Aluminum	Advanced	●	●		●
782C	Precision-Shaped Grain	Performance and value	Carbon Steel	Advanced	●	●		●

3M™ Roloc™ Discs

3M™ Roloc™ Attachment System Guide

Product ID	Attachment Type			Diameter	Attachment Type		
	TR	TSM	TS		TR	TSM	TS
361F	●	●		1"	●	●	●
777F	●	●	●	1-1/2"	●	●	●
947A	●	●		2"	●	●	●
984F	●	●		3"	●	●	●
782C	●	●		4"	●		●
787C	●	●		TR (Plastic Button) 			
982C	●	●		TSM (Metal Button) 			
987C	●	●		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 ■

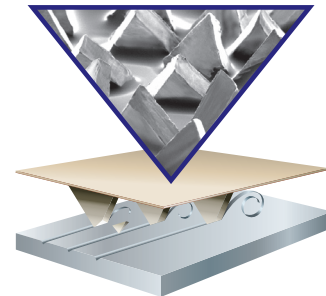
- Made with revolutionary 3M precision-shaped grain technology
- Provides long life and fast cut
- Rigid fiber backing enables fast, more aggressive cutting
- Optimized for use on carbon steel



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



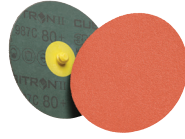
3M precision-shaped grain uses 3M microreplication technology to form sharp peaks that easily “slice” through metal — cutting cooler, faster and lasting longer than conventional abrasive grain.




3M
CUBITRON™ II
 Industrial Abrasives

3M™ Roloc™ Discs

3M™ Cubitron™ II Fibre Disc 987C ■

- 3M precision-shaped 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




UPC	Size	Grade	Qty
Roloc™ TR (Plastic Button) 			
051125-94952-1	2"	36+	50/200
051125-94957-6	2"	60+	50/200
051125-94962-0	2"	80+	50/200
051125-94953-8	3"	36+	50/200
051125-94958-3	3"	60+	50/200
051125-94963-7	3"	80+	50/200
051125-94954-5	4"	36+	25/100
051125-94959-0	4"	60+	25/100
051125-94964-4	4"	80+	25/100
Roloc™ TSM (Metal Button) 			
051125-94955-2	2"	36+	50/200
051125-94960-6	2"	60+	50/200
051125-94965-1	2"	80+	50/200
051125-94956-9	3"	36+	50/200
051125-94961-3	3"	60+	50/200
051125-94966-8	3"	80+	50/200
Roloc™ TS (Plastic Button) 			
051125-87217-1	4"	36+	25/100
051125-87218-8	4"	60+	25/100
051125-87219-5	4"	80+	25/100

3M™ Cubitron™ II Roloc™ Durable Edge Disc 947A ■ ■



- Features 3M precision-shaped grain
- Great for deburring, blending, cleaning, and finishing applications
- Loading resistant resulting resistant resulting in a faster cut and longer lasting
- Quick-change capability



UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
051141-54239-3	1-1/2"	40+	30,000	50/200
051141-54255-3	1-1/2"	80+	30,000	50/200
051141-54247-8	1-1/2"	60+	30,000	50/200
051141-54263-8	1-1/2"	120+	30,000	50/200
051141-54240-9	2"	40+	25,000	50/200
051141-54248-5	2"	60+	25,000	50/200
051141-54256-0	2"	80+	25,000	50/200
051141-54264-5	2"	120+	25,000	50/200
051141-54241-6	3"	40+	20,000	50/200
051141-54249-2	3"	60+	20,000	50/200
051141-54257-7	3"	80+	20,000	50/200
051141-54265-2	3"	120+	20,000	50/200

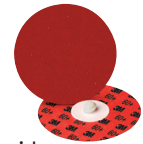
■ Mild Steel ■ Stainless Steel



3M™ Cubitron™ II Roloc™ Durable Edge Disc 947A (cont)

UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
051141-54242-3	4"	40+	12,000	25/100
051141-54250-8	4"	60+	12,000	25/100
051141-54258-4	4"	80+	12,000	25/100
051141-54266-9	4"	120+	12,000	25/100
Roloc™ TSM (Metal Button) 				
051141-54243-0	1-1/2"	40+	30,000	50/200
051141-54251-5	1-1/2"	60+	30,000	50/200
051141-54259-1	1-1/2"	80+	30,000	50/200
051141-54267-6	1-1/2"	120+	30,000	50/200
051141-54244-7	2"	40+	25,000	50/200
051141-54252-2	2"	60+	25,000	50/200
051141-54260-7	2"	80+	25,000	50/200
051141-54268-3	2"	120+	25,000	50/200
051141-54245-4	3"	40+	20,000	50/200
051141-54253-9	3"	60+	20,000	50/200
051141-54261-4	3"	80+	20,000	50/200
051141-54269-0	3"	120+	20,000	50/200
051141-54246-1	4"	40+	12,000	25/100
051141-54254-6	4"	60+	12,000	25/100
051141-54262-1	4"	80+	12,000	25/100
051141-54270-6	4"	120+	12,000	25/100

3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F ■ ■


- Made with revolutionary 3M precision-shaped grain technology
- Features a durable edge backing and a grinding aid
- For grinding, blending and deburring of light to medium pressure applications for virtually all metal types



UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
051141-27700-4	1-1/2"	36+	30,000	50/200
051141-27708-0	1-1/2"	60+	30,000	50/200
051141-27716-5	1-1/2"	80+	30,000	50/200
051141-27701-1	2"	36+	25,000	50/200
051141-27709-7	2"	60+	25,000	50/200
051141-27717-2	2"	80+	25,000	50/200
051141-27702-8	3"	36+	20,000	50/200
051141-27710-3	3"	60+	20,000	50/200
051141-28218-3†	3"	80+	20,000	50/200
051141-27703-5	4"	36+	12,000	25/100
051141-27711-0	4"	60+	12,000	25/100
051141-27719-6	4"	80+	12,000	25/100
Roloc™ TSM (Metal Button) 				
051141-27704-2	1-1/2"	36+	30,000	50/200
051141-27712-7	1-1/2"	60+	30,000	50/200
051141-27720-2	1-1/2"	80+	30,000	50/200
051141-27705-9	2"	36+	25,000	50/200
051141-27713-4	2"	60+	25,000	50/200
051141-27721-9	2"	80+	25,000	50/200

3M™ Roloc™ Discs

3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F (cont)



UPC	Diameter	Grade	Max RPM	Min/Case
Roloc™ TSM (Metal Button) 				
051141-27706-6	3"	36+	20,000	50/200
051141-27714-1	3"	60+	20,000	50/200
051141-27707-3	4"	36+	12,000	25/100
051141-27715-8	4"	60+	12,000	25/100
051141-27723-3	4"	80+	12,000	25/100

†Made-to-Order

3M™ Fibre Disc 782C ■ for Carbon Steel

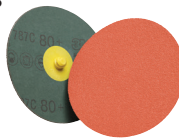
- Ideal choice for carbon steel
- Offer a faster cut and longer life than alumina zirconia (AZ) and conventional ceramic abrasives
- These discs require less grinding pressure for easier operation




UPC	Diameter	Grade	Qty/Case
Roloc™ TR (Plastic Button) 			
076308-89665-2	2"	36+	50/200
076308-89670-6	2"	60+	50/200
076308-89675-1	2"	80+	50/200
076308-89666-9	3"	36+	50/200
076308-89671-3	3"	60+	50/200
076308-89676-8	3"	80+	50/200
076308-89667-6	4"	36+	25/100
076308-89672-0	4"	60+	25/100
076308-89677-5	4"	80+	25/100
Roloc™ TS (Plastic Button) 			
076308-89685-0	4"	36+	25/100
076308-89686-7	4"	60+	25/100
076308-89687-4	4"	80+	25/100

3M™ Fibre Disc 787C ■ for stainless steel non-ferrous metals



- Optimized for stainless steel and non-ferrous metals like aluminum and titanium
- Cuts cooler, faster and lasts longer than alumina zirconia (AZ) and conventional ceramic discs in applications like weld removal, beveling, edge chamfering and more
- Made with 3M Precision-Shaped Grain, for outstanding speed and long life
- Great for grinding, weld removal, beveling and edge chamfering



UPC	Size	Grade	Qty
Roloc™ TR (Plastic Button) 			
076308-89689-8	2"	36+	50/200
076308-89694-2	2"	60+	50/200
076308-89699-7	2"	80+	50/200
076308-89704-8	2"	120+	50/200
076308-89690-4	3"	36+	50/200
076308-89695-9	3"	60+	50/200
076308-89700-0	3"	80+	50/200
076308-89705-5	3"	120+	50/200

■ Mild Steel ■ Stainless Steel


3M™ Fibre Disc 787C (cont)

UPC	Size	Grade	Qty
Roloc™ TR (Plastic Button) 			
076308-89691-1	4"	36+	25/100
076308-89696-6	4"	60+	25/100
076308-89701-7	4"	80+	25/100
076308-89706-2	4"	120+	25/100
Roloc™ TS (Plastic Button) 			
076308-89709-3	4"	36+	25/100
076308-89710-9	4"	60+	25/100
076308-89711-6	4"	80+	25/100
076308-89712-3	4"	120+	25/100

3M™ Roloc™ Disc 361F ■

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




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

†Made-to-Order

Chart continued on next page

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

■ Mild Steel ■ Stainless Steel