

3M™ Roloc™ Discs and Disc Sanders



Simply the
Right Angle
Solution



Choose the *Right* Right Angle System

Having the right tool system for the job is a powerful feeling. You'll feel that power when you combine 3M™ Disc Sanders with 3M™ Roloc™ Discs and accessories. Now, your cutting, grinding, blending or finishing jobs will be faster and easier than ever. 3M can help you get the job done right.



3M™ Disc Sanders

Great for grinding, blending, weld leveling, metal prep and other metal fabrication applications. When paired with 3M™ Roloc™ Discs, 3M™ Disc Sanders help maximize performance, while extending the life and effectiveness of your abrasive.



3M™ Roloc™ Disc Pads

An often overlooked, but essential part of the system! 3M™ Roloc™ Disc Pads are designed specifically to optimize the performance of your 3M™ Disc Sander and 3M™ Roloc 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.

3M™ Disc Sanders

Designed to provide optimal performance with all types and sizes of 3M™ Roloc™ Discs and accessories. Available in 0.3–1.0 HP, 12,000–20,000 RPM. A removable and repositionable side handle is furnished with the sander.



Size	RPM	Thread	Motor	Collet	Air Inlet	Part No.	UPC
1-1/2"–2"	20,000	1/4–20 EXT*	0.5 HP	1/4"	1/4" NPT	20231	051141- 20231-0
	12,000	1/4–20 EXT*	0.3 HP	1/4"	1/4" NPT	28328	051141- 28328-9
2"	12,000	1/4–20 EXT*	0.5 HP	1/4"	1/4" NPT	28329	051141- 28329-6
	20,000	1/4–20 EXT*	0.3 HP	1/4"	1/4" NPT	28341	051141- 28341-8
3"	15,000	1/4–20 EXT*	1.0 HP	1/4"	1/4" NPT	20232	051141- 20232-7
4"–5"	12,000	5/8–11 EXT	1.0 HP	—	3/8" NPT**	28408	051141- 28408-8
	12,000	5/8–11 EXT	1.0 HP	—	3/8" NPT**	28622	051141- 28622-8

*Direct mount 1/4–20 EXT spindle allows Roloc Disc Pad to be closer to tool which reduces vibration.
**Includes 3/8" to 1/4" reducer.

3M™ Roloc™ Disc Pads

Get the most out of your 3M™ Disc Sander by using these recommended accessories. All set-ups require a 1/4" 3M™ Roloc™ Shank (PN45102) or mount directly to the tool.



Size	Hardness	Roloc Attachment Type	UPC
1-1/2" x 1/4–20 INT	Hard	TR	051144- 45100-5
	Hard	TS/TSM	051144- 77728-0
2" x 1/4–20 INT	Hard	TR	051144- 45096-1
	Hard	TS/TSM	051144- 14212-5
3" x 1/4–20 INT	D/F Cool Running	TR	051144- 82974-3
	Hard	TR	051144- 45091-6
	Extra Hard**	TR	051144- 45093-0
	Hard	TS/TSM	051144- 14216-3
4" x 5/8–11 INT	D/F Cool Running	TR	051144- 82975-0
	Hard	TR	051144- 83489-1
	Extra Hard**	TR	051144- 83980-3
4" x 5/8–11 INT	Hard	TS/TSM	051141- 28578-8
	Extra Hard**	TS/TSM	051141- 28579-5
	D/F Cool Running	TS/TSM	051141- 28581-8

**Extra hard disc pad recommended for use with Cubitron II Roloc Durable Edge Disc 984F.

3M™ and Scotch-Brite™ Roloc™ Discs

Product	Mineral	Backing	Grinding Aid	Applications
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 982C (Carbon Steel) and 987C (Heat Sensitive)	Precision-Shaped Ceramic Grain	Fibre	982C: No 987C: Yes	The fastest grinding and blending utilizing 3M Precision-Shaped Grain on a fibre backing; Use 982C for mild steel and 987C for heat sensitive alloys
3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F	Precision-Shaped Ceramic Grain	Durable Edge Cloth	Yes	Ultra sharp precision-shaped ceramic grain provides fast, cool cutting with less pressure; For grinding, blending, finishing, deburring on all metal types
3M™ Roloc™ Disc 777F	Ceramic Aluminum Oxide Blend	Y wt. Cloth	Yes	Use on stainless steel and nickel alloy; Features a grinding aid for cooler running
3M™ Roloc™ Disc 361F	Aluminum Oxide	YF wt. Cloth	No	General purpose grinding, blending and finishing on all metals
Scotch-Brite™ Roloc™ Light Grinding and Blending Discs	Ceramic Aluminum Oxide Blend	Non-woven with Durable Edge	No	Great for light grinding, deburring and blending on all metals; Tough disc cuts fast and resists wear
Scotch-Brite™ Roloc™ SC Surface Conditioning Discs	Aluminum Oxide	Non-woven	No	Removes grind marks, rust and coatings; Provides a burr-free decorative finish

3M™ and Scotch-Brite™ Roloc™ D/F Discs

Grind Faster

Specially designed system allows you to exert higher unit pressure, effortlessly, when coupled with Roloc™ D/F Cool Running Disc Pads.

Grind Cooler

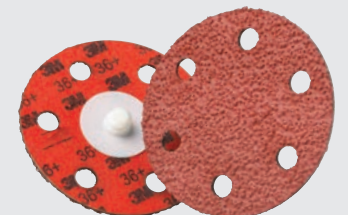
Vacuum holes keep air flowing and help remove grinding debris to prevent loading and heat build-up. Discs last longer and cut faster.

Grind Cleaner

Roloc™ D/F products can be used with vacuum shrouds for reliable dust evacuation to keep your work area cleaner.



3M™ Roloc™ Disc Pad D/F Cool Running



3M™ Cubitron™ II Roloc™ Durable Edge D/F Disc 984F



Scotch-Brite™ Roloc™ SC Surface Conditioning D/F Discs




1-1/2" Right Angle System





3M™ Disc Sander — PN20231

Part No.	UPC	Size	RPM	Thread	Motor	Collet	Air Inlet	Case Qty
20231	051141-20231-0	1-1/2"	20,000	1/4-20 EXT	0.5 HP	1/4"	1/4" NPT	1

Accessories

3M™ Roloc™ Shank — 1/4" Shank	3M™ Roloc™ Disc Pad Hard TR — 1-1/2" Dia.	3M™ Roloc™ Disc Pad Hard TS/TSM — 1-1/2" Dia.
 UPC 051144-45102-9; 1/4-20 EXT	 UPC 051144-45100-5; 1/4-20 INT	 UPC 051144-77728-0; 1/4-20 INT

3M™ and Scotch-Brite™ Roloc™ Abrasive Discs — 1-1/2"

Abrasive Discs	Grade	Roloc TR Plastic Button 	Roloc TSM Metal Button 
3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F 3M Precision-Shaped Ceramic grain	36+	051141-27700-4	051141-27700-2
	60+	051141-27708-0	051141-27712-7
	80+	051141-27716-5	051141-27720-2
3M™ Roloc™ Disc 777F Ceramic Aluminum Oxide blend	36	051144-76626-0	051144-94110-0†
	60	051144-76628-4	051144-94912-6†
	80	051144-14660-4	051144-94109-4†
	P120	051144-80511-2	051144-94190-2†
3M™ Roloc™ Disc 361F Aluminum Oxide	36	051144-22396-1	051111-49932-0
	60	051144-22397-8	051111-49933-7
	80	051144-22407-4	051111-49934-4
	P120	051144-22409-8	051111-51038-4
Scotch-Brite™ Roloc™ Light Grinding and Blending Discs Ceramic Aluminum Oxide blend	SD ACRS	048011-60301-8†	048011-60305-6†
	HD ACRS	048011-60300-1†	048011-60304-9†
Scotch-Brite™ Roloc™ SC Surface Conditioning Discs	A CRS	048011-08764-1	048011-25775-4
	A MED	048011-08765-8	048011-25774-7
	A VFN	048011-08766-5	048011-25773-0

† Made-to-Order

2" Right Angle System



3M™ Disc Sander — PN20231

Part No.	UPC	Size	RPM	Thread	Motor	Collet	Air Inlet	Case Qty
20231	051141-20231-0	2"	20,000	1/4–20 EXT	0.5 HP	1/4"	1/4" NPT	1

Accessories

3M™ Roloc™ Shank — 1/4" Shank



UPC 051144-45102-9; 1/4–20 EXT

3M™ Roloc™ Disc Pad Hard TR — 2" Dia.



UPC 051144-45096-1; 1/4–20 INT

3M™ Roloc™ Disc Pad Hard TS/TSM — 2" Dia.



UPC 051144-14212-5; 1/4–20 INT

3M™ Roloc™ Disc Pad D/F Cool Running TR — 2" Dia.



UPC 051144-82974-3; 1/4–20 INT

3M™ and Scotch-Brite™ Roloc™ Abrasive Discs — 2"

Abrasive Discs	Grade	Roloc TR Plastic Button	Roloc TSM Metal Button
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 982C For Carbon Steel 3M Precision-Shaped Ceramic grain	36+	051115-66778-7	051115-66781-7
	60+	051115-66783-1	051115-66786-2
	80+	051115-66788-6	051115-66791-6
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 987C For Stainless Steel/Heat Sensitive Alloys 3M Precision-Shaped Ceramic grain	36+	051125-94952-1	051125-94955-2
	60+	051125-94957-6	051125-94960-6
	80+	051125-94962-0	051125-94965-1
3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F 3M Precision-Shaped Ceramic grain	36+	051141-27701-1	051141-27705-9
	60+	051141-27709-7	051141-27713-4
	80+	051141-27717-2	051141-27721-9
3M™ Roloc™ Disc 777F Ceramic Aluminum Oxide blend	36	051144-76629-1	051111-49949-8
	60	051144-76433-4	051111-50253-2
	80	051144-14661-1	051111-50254-9
	P120	051144-80512-9	051111-50256-3
3M™ Roloc™ Disc 361F Aluminum Oxide	36	051144-22398-5	051111-49936-8
	60	051144-22400-5	051111-49937-5
	80	051144-22401-2	051111-49938-2
	P120	051144-22403-6	051111-49939-9
Scotch-Brite™ Roloc™ Light Grinding and Blending Discs Ceramic Aluminum Oxide blend	SD ACRS	048011-60355-1	048011-60375-9
	HD ACRS	048011-60354-4	048011-60374-2
Scotch-Brite™ Roloc™ SC Surface Conditioning Discs	A CRS	048011-05528-2	048011-25765-5
	A MED	048011-05527-5	048011-25764-8
	A VFN	048011-05523-7	048011-25770-9

3M™ Roloc™ Disc Intro Pack 982S — 2"

Includes an assortment of 3M's top selling Roloc™ Discs, plus a 3M™ Roloc™ Disc Pad and Shank.

Pack No.	Intro Pack Contents	UPC
982S	<ul style="list-style-type: none"> 3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F (3 of each grade: 36+, 60+, 80+) Scotch-Brite™ Roloc™ SC Surface Conditioning Disc (2 of each grade: A VFN, A MED, A CRS) Scotch-Brite™ Roloc™ Light Grinding and Blending Disc (2 of each grade: SD ACRS) 3M™ Roloc™ Disc Pad TR (Hard); 3M™ Roloc™ Shank (1 of each) 	051144-82899-9



NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc Trial Packs — 2"

Pack No.	Trial Pack Contents	UPC
982C	3M™ Cubitron™ II Roloc™ Fibre Disc 982C (2 of each grade: 36+, 60+, 80+)	051125-86889-1
987C	3M™ Cubitron™ II Roloc™ Fibre Disc 987C (2 of each grade: 36+, 60+, 80+)	051125-86891-4



3" Right Angle System



3M™ Disc Sander — PN20232

Part No.	UPC	Size	RPM	Thread	Motor	Collet	Air Inlet	Case Qty
20232	051141-20232-7	3"	15,000	1/4-20 EXT	1 HP	1/4"	1/4" NPT	1

Accessories

3M™ Roloc™ Shank — 1/4" Shank



UPC 051144-45102-9; 1/4-20 EXT

3M™ Roloc™ Disc Pad Hard TR — 3" Dia.



UPC 051144-45091-6; 1/4-20 INT
UPC 051144-45093-0**; Extra Hard; 1/4-20 INT

3M™ Roloc™ Disc Pad Hard TS/TSM — 3" Dia.



UPC 051144-14216-3; 1/4-20 INT



3M™ Roloc™ Disc Pad D/F Cool Running TR — 3" Dia.



UPC 051144-82975-0; 1/4-20 INT

**Extra hard recommended for use with Cubitron II Roloc Durable Edge Disc 984F.

3M™ and Scotch-Brite™ Roloc™ Abrasive Discs — 3"

Abrasive Discs	Grade	Roloc TR Plastic Button 	Roloc TSM Metal Button 
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 982C For Carbon Steel 3M Precision-Shaped Ceramic grain	36+	051115-66779-4	051115-66782-4
	60+	051115-66784-8	051115-66787-9
	80+	051115-66789-3	051115-66792-3
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 987C For Stainless Steel/Heat Sensitive Alloys 3M Precision-Shaped Ceramic grain	36+	051125-94953-8	051125-94956-9
	60+	051125-94958-3	051125-94961-3
	80+	051125-94963-7	051125-94966-8
3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F 3M Precision-Shaped Ceramic grain	36+	051141-27702-8	051141-27706-6
	60+	051141-27710-3	051141-27714-1
	80+	051141-27718-9	051141-27722-6
3M™ Roloc™ Disc 777F Ceramic Aluminum Oxide blend	36	051144-76631-4	051111-50257-0
	60	051144-76633-8	051111-50258-7
	80	051144-76634-5	051144-94109-4†
	P120	051144-80513-6	051144-94109-2†
3M™ Roloc™ Disc 361F Aluminum Oxide	36	051144-22393-0	051111-51033-9
	60	051144-22395-4	051111-49940-5
	80	051144-22404-3	051111-49941-2
Scotch-Brite™ Roloc™ Light Grinding and Blending Discs Ceramic Aluminum Oxide blend	SD ACRS	048011-60357-5	048011-60377-3
	HD ACRS	048011-60356-8	048011-60376-6
Scotch-Brite™ Roloc™ SC Surface Conditioning Discs	A CRS	048011-05532-9	048011-25767-9
	A MED	048011-05531-2	048011-25766-2
	A VFN	048011-05530-5	048011-25780-8

† Made-to-Order

3M™ Roloc™ Disc Intro Pack 983S and 985S — 3"

Includes an assortment of 3M's top selling Roloc™ Discs, plus a 3M™ Roloc™ Disc Pad and Shank.

Pack No.	Intro Pack Contents	UPC
983S	<ul style="list-style-type: none"> 3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F (3 of each grade: 36+, 60+, 80+) Scotch-Brite™ Roloc™ SC Surface Conditioning Disc (2 of each grade: A VFN, A MED, A CRS) Scotch-Brite™ Roloc™ Light Grinding and Blending Disc (2 of each grade: SD ACRS) 3M™ Roloc™ Disc Pad TR (Hard); 3M™ Roloc™ Shank (1 of each) 	051144-82900-2
985S (2" & 3")	<ul style="list-style-type: none"> 2" Scotch-Brite™ Roloc™ SC Surface Conditioning Disc (2 of each grade: A VFN, A MED, A CRS) 3" Scotch-Brite™ Roloc™ SC Surface Conditioning Disc (2 of each grade: A VFN, A MED, A CRS) 2" Scotch-Brite™ Roloc™ Light Grinding and Blending Disc (2 of each grade: SD ACRS) 3" Scotch-Brite™ Roloc™ Light Grinding and Blending Disc (2 of each grade: SD ACRS) 3M™ Roloc™ Disc Pad 2" and 3" (Hard); 3M™ Roloc™ Shank (1 of each) 	048011-18254-4



NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc Trial Packs — 3"

Pack No.	Trial Pack Contents	UPC
982C	3M™ Cubitron™ II Roloc™ Fibre Disc 982C (2 of each grade: 36+, 60+, 80+)	051125-86890-7
987C	3M™ Cubitron™ II Roloc™ Fibre Disc 987C (2 of each grade: 36+, 60+, 80+)	051125-86892-1



4" Right Angle System



3M™ Disc Sander — PN28408 and PN28622

Part No.	UPC	Size	RPM	Thread	Motor	Air Inlet	Case Qty
28408	051141-28408-8	4"-5"	12,000	5/8-11 EXT	1 HP	3/8" NPT*	1
28622	051141-28622-8	4"-5"	12,000	5/8-11 EXT	1 HP	3/8" NPT*	1

*Includes 3/8" to 1/4" reducer.

Accessories

3M™ Spacer (to mount 3M™ Roloc™ Disc Pads to 3M™ Disc Sanders with 5/8-11 spindles)



UPC 051141-28636-5; 1" x 5/8" x 3/8"
UPC 051141-28637-2; 1" x 5/8" x 3/16"

3M™ Roloc™ Disc Pad Hard TR — 4" Dia.



UPC 051144-83489-1; 5/8-11 INT
UPC 051144-83980-3**; Extra Hard; 5/8-11 INT

3M™ Roloc™ Disc Pad Hard TS/TSM — 4" Dia.



UPC 051141-28578-8; 5/8-11 INT
UPC 051141-28579-5; Extra Hard*; 5/8-11 INT








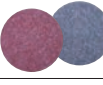

3M™ Roloc™ Disc Pad D/F Cool Running TS/TSM — 4" Dia.



UPC 051141-28581-8; 5/8-11 INT

**Extra hard recommended for use with Cubitron II Roloc Durable Edge Disc 984F.

3M™ and Scotch-Brite™ Roloc™ Abrasive Discs — 4"

Abrasive Discs	Grade	Roloc TR Plastic Button 	Roloc TSM Metal Button 
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 982C For Carbon Steel 3M Precision-Shaped Ceramic grain 	36+	051115-66780-0	—
	60+	051115-66785-5	—
	80+	051115-66790-9	—
NEW! 3M™ Cubitron™ II Roloc™ Fibre Disc 987C For Stainless Steel/Heat Sensitive Alloys 3M Precision-Shaped Ceramic grain 	36+	051125-94954-6	—
	60+	051125-94959-1	—
	80+	051125-94964-5	—
3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F 3M Precision-Shaped Ceramic grain 	36+	051141-27703-5	051141-27707-3*
	60+	051141-27711-0	051141-27715-8*
	80+	051141-27719-6	051141-27723-3*
3M™ Roloc™ Disc 777F Ceramic Aluminum Oxide blend 	36	051144-94110-0†	051144-94110-0†
	60	051144-94192-6†	051144-94192-6†
	80	051144-94109-4†	051144-94109-4†
	P120	051144-94190-2†	051144-94190-2†
3M™ Roloc™ Disc 361F Aluminum Oxide 	36	051144-76429-7	051111-51033-9
	60	051144-11421-4	051111-49940-5
	80	051144-11420-7	051111-49941-2
	P120	051141-54511-0†	051111-49943-6
Scotch-Brite™ Roloc™ Light Grinding and Blending Discs Ceramic Aluminum Oxide blend 	SD ACRS	048011-60359-9	048011-60301-8†
	HD ACRS	048011-60358-2	048011-60300-1†
Scotch-Brite™ Roloc™ SC Surface Conditioning Discs 	A CRS	048011-12954-9	048011-60122-9†
	A MED	048011-12953-2	048011-33570-4†
	A VFN	048011-12952-5	048011-64364-9†

*Recommended for vigorous applications

† Made-to-Order





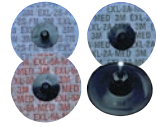
3M™ Roloc™ Disc Intro Pack 984S — 4"

Includes an assortment of 3M's top selling Roloc™ Discs, plus a 3M™ Roloc™ Disc Pad and Shank.

Pack No.	Intro Pack Contents	UPC
984S	<ul style="list-style-type: none"> 3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F (3 of each grade: 36+, 60+, 80+) Scotch-Brite™ Roloc™ SC Surface Conditioning Disc (2 of each grade: A VFN, A MED, A CRS) Scotch-Brite™ Roloc™ Light Grinding and Blending Disc (2 of each grade: SD ACRS) 3M™ Roloc™ Disc Pad TR (Extra Hard); 3M™ Spacer PN28636 (1 of each) 	051141-28039-4



These Scotch-Brite™ Roloc™ Discs are ideal for more specialized jobs from working on contoured surfaces and edge deburring, to cleaning and removing rust. Pair them with 3M™ Disc Sanders for a right angle system that can help make your tough jobs easy.

Abrasive	Grade	Roloc TR Plastic Button 		Application
		2" Diameter	3" Diameter	
 Scotch-Brite™ Roloc™ Clean and Strip XT Disc Silicon carbide	S XCS	048011-30147-1	048011-30016-0	Tough, open web ideal for weld cleaning, and removing rust, paint and coatings.
 Scotch-Brite™ Roloc™ HS Blend and Finish Aluminum oxide	A MED	048011-64190-4 048011-64213-0*	048011-64206-2 048011-64220-8*	Conformable discs ideal for light deburring, cleaning and finishing.
 Scotch-Brite™ Roloc™ Bristle Discs	50 80 120	048011-18730-3 048011-18732-7 048011-18733-4	048011-18734-1 048011-18736-5 048011-18737-2	Efficiently removes paint, stains, adhesives, weld burn, rust and other contaminants from work piece.
 Scotch-Brite™ Roloc™ EXL Unitized Wheels	2A MED 2S FIN 6A MED 8A MED	048011-17185-2 048011-17183-8 048011-17190-6 048011-17192-0	048011-17186-9 048011-17184-5 048011-17191-3 048011-17193-7	Strong, efficient products for edge deburring and finishing.

*Available with the TS/TSM Attachment System (metal button).

For warranty and repair service for 3M™ Power Tools, contact your 3M Distributor or 3M Sales Representative or call 1-800-362-3550 (press 3, then press 4).

Warranty, Limited Remedy, and Disclaimer: 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. User is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

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