



BRINGING NEW SOLUTIONS TO THE SURFACE.

SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS



3M Precision-
Shaped Grain

Revolutionizing the industry by combining 3M Precision-Shaped Grain and nonwoven material, the all new Scotch-Brite™ Precision Surface Conditioning Disc delivers next level results and the consistency you've come to expect from the Scotch-Brite™ lineup.



A multi-purpose disc designed to do it all.

1

MULTI-PURPOSE and load-resistant

Multi-purpose product with broad grade range and ability to cover a variety of applications

2

FAST & DURABLE

Long-lasting on parts with sharp edges

Special purpose addition to cover applications which require a more aggressive and durable product

Applications

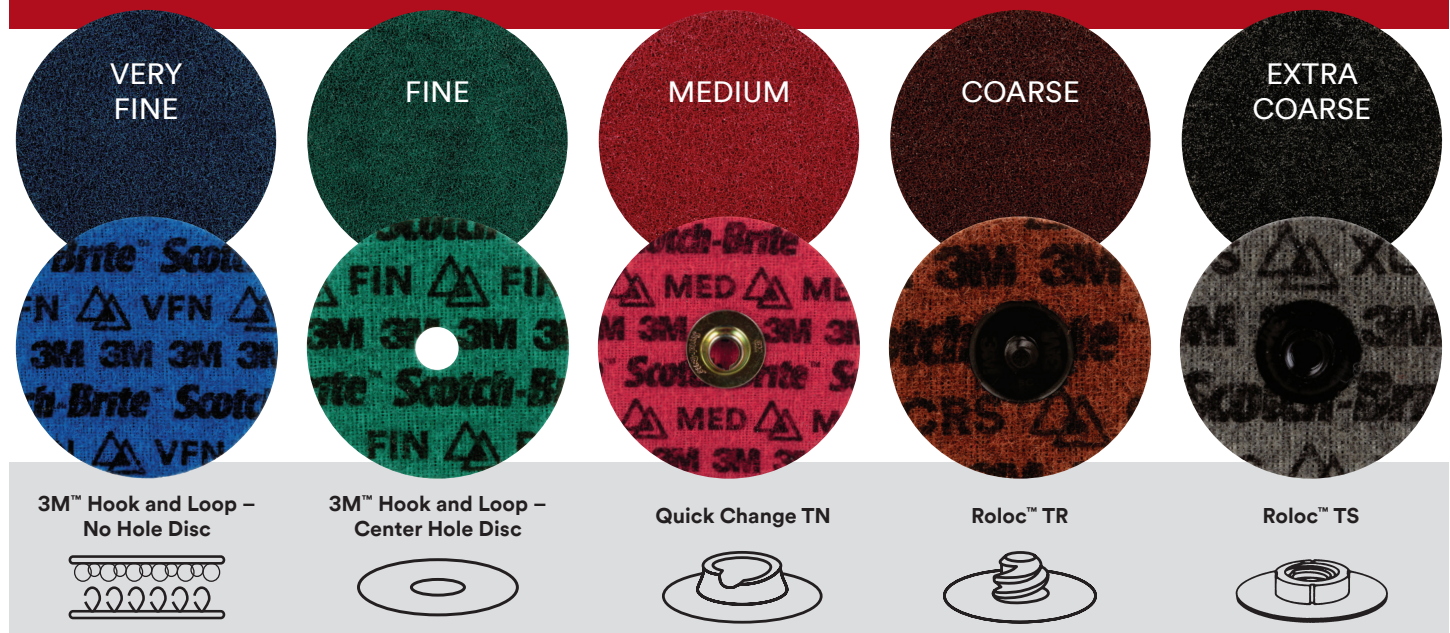
These premium multi-purpose discs are designed to streamline surface conditioning processes including cleaning, blending, deburring and finishing. Conformable nonwoven material cleans and finishes surfaces without gouging, undercutting or damaging the base material.

- ▶ Cleaning
- ▶ Deburring
- ▶ Radiusing
- ▶ Refining
- ▶ Finishing
- ▶ Edge Break
- ▶ Blending
- ▶ Light Grinding

The right grade — and attachment — for every job.

Finer Finish / Less Aggressive

Coarser Finish / More Aggressive

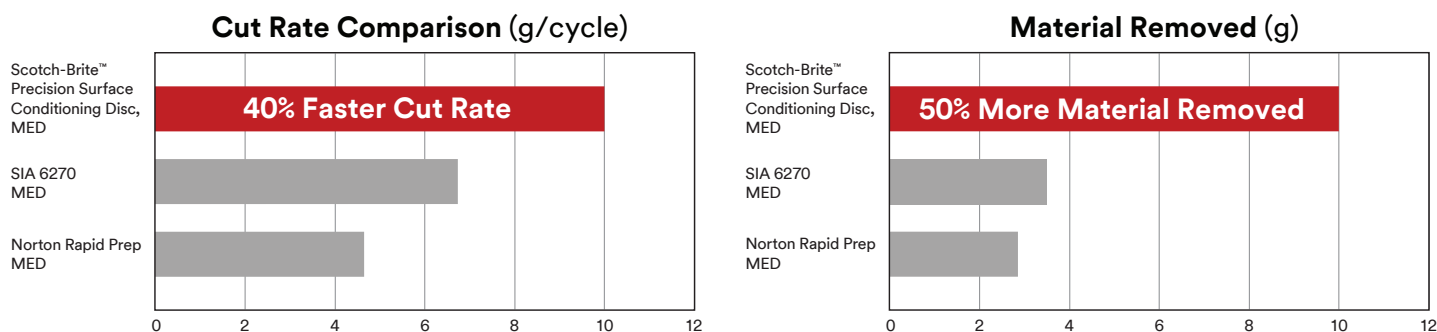


A smart addition to the Scotch-Brite™ portfolio.

This new addition to the Scotch-Brite™ lineup promises the consistency you've come to expect with increased cutting speed and longer abrasive life. By combining two flagship 3M technologies — nonwoven fibre and ceramic 3M Precision-Shaped Grain — metalworkers can get the ideal finish, faster. For even better workflow efficiency, these discs come in brighter, more vivid colors to make identification easier. Plus, the grade range has been expanded to include Fine and Extra Coarse offerings, providing an even larger range of solutions for the job — from light grinding and precision detail work to multi-purpose and heavy-duty solutions.

Performance Comparison

On stainless steel, Scotch-Brite™ Precision Surface Conditioning coarse grade discs process 40% more material in the same amount of time compared to Norton Rapid Prep CRS and SIA 6270 CRS — all while finishing 1.4X as many parts.* On aluminum, Scotch-Brite™ Precision Surface Conditioning medium grade discs remove 3X more material than Norton Rapid Prep MED and SIA 6270 MED over the life of the disc, offering productivity gains including 3X as many parts finished and 2X as much material processed in the same amount of time relative to those popular competitive options.**
























* Based on 3M Internal Testing: CRS 3" discs were tested robotically on 304 series stainless steel for 12 minutes, using a 3" – 3M™ Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material removed.

** Based on 3M internal testing: MED 3" discs were tested robotically on 6061 aluminum until the end of life (end of life is determined to be 50% of the averaged cut rate of the first three minutes) using a 3" – 3M™ Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material removed.

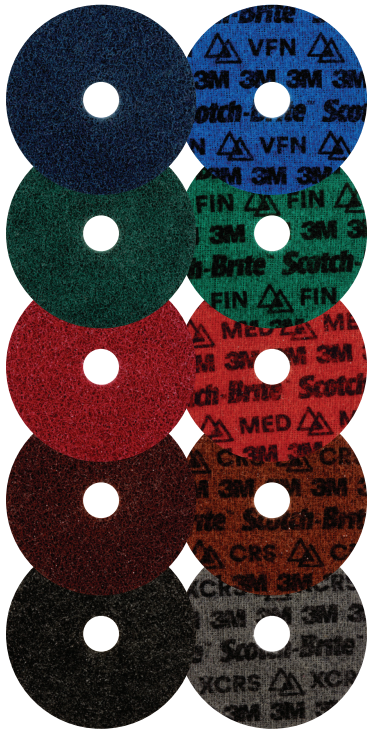
NEW			
			
Scotch-Brite™ Surface Conditioning Discs	Scotch-Brite™ Precision Surface Conditioning Discs	Scotch-Brite™ SE Surface Conditioning Discs	Scotch-Brite™ Light Grinding and Blending Discs
Cleaning, Blending, Refining, Radiusing, Finishing and Polishing	Light Grinding, Deburring, Blending, Refining, Radiusing, Cleaning and Finishing	Deburring, Blending and Refining	Light Grinding, Deburring and Blending
Aluminum Oxide / Silicon Carbide for SFN	 3M Precision-Shaped Grain	Aluminum Oxide	3M Ceramic Aluminum Oxide Blend Abrasive Grain
CRS, MED, VFN, SFN	XCRS, CRS, MED, VFN, FIN	CRS, MED, FIN	CRS HD, CRS SD
Multi-purpose		Heavy Duty	

















SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS



 Hook and Loop – No Hole					
Diameter x Center Hole (inches)	UPC		Grade	Max. RPM	Qty/Case
4-1/2 x NH	638060-89256-5		 Very Fine	13,330	50
	638060-89255-8		 Fine		
	638060-89254-1		 Medium		
	638060-89253-4		 Coarse		
	638060-89252-7		 Extra Coarse		
5 x NH	638060-89246-6		 Very Fine	12,000	50
	638060-89245-9		 Fine		
	638060-89244-2		 Medium		
	638060-89242-8		 Coarse		
	638060-89243-5		 Extra Coarse		
6 x NH	638060-89241-1		 Very Fine	10,000	50
	638060-89240-4		 Fine		
	638060-89239-8		 Medium		
	638060-89238-1		 Coarse		
	638060-89237-4		 Extra Coarse		
7 x NH	638060-89236-7		 Very Fine	8,600	25
	638060-89235-0		 Fine		
	638060-89234-3		 Medium		
	638060-89233-6		 Coarse		
	638060-89232-9		 Extra Coarse		


Other sizes available as Make-To-Order




 Hook and Loop – Center Hole					
Diameter x Center Hole (inches)	UPC		Grade	Max. RPM	Qty/Case
4-1/2 x 7/8	638060-89226-8		 Very Fine	13,330	200
	638060-89225-1		 Fine		
	638060-89224-4		 Medium		
	638060-89223-7		 Coarse		
	638060-89222-0		 Extra Coarse		
5 x 7/8	638060-89221-3		 Very Fine	12,000	50
	638060-89220-6		 Fine		
	638060-89219-0		 Medium		
	638060-89218-3		 Coarse		
	638060-89217-6		 Extra Coarse		
7 x 7/8	638060-89213-8		 Very Fine	8,600	25
	638060-89214-5		 Fine		
	638060-89215-2		 Medium		
	638060-89216-9		 Coarse		
	638060-89212-1		 Extra Coarse		

Other sizes available as Make-To-Order



 TN Quick Change					
Diameter x Center Hole (inches)	UPC		Grade	Max. RPM	Qty/Case
4-1/2 x 5/8-11*	638060-89373-9		Very Fine	13,330	50
	638060-89372-2		Fine		
	638060-89371-5		Medium		
	638060-89370-8		Coarse		
	638060-89369-2		Extra Coarse		
5 x 5/8-11*	638060-89368-5		Very Fine	12,000	50
	638060-89367-8		Fine		
	638060-89364-7		Medium		
	638060-89365-4		Coarse		
	638060-89366-1		Extra Coarse		
7 x 5/8-11*	638060-89363-0		Very Fine	8,600	25
	638060-89362-3		Fine		
	638060-89361-6		Medium		
	638060-89360-9		Coarse		
	638060-89359-3		Extra Coarse		


*Quick-Change Tinnerman Nut (TN) Attachment

 Roloc™ TR					
Diameter x Center Hole (inches)	UPC		Grade	Max. RPM	Qty/Case
3/4 x NH	638060-89274-9		Very Fine	30,000	200
	638060-89273-2		Fine		
	638060-89272-5		Medium		
	638060-89271-8		Coarse		
	638060-89270-1		Extra Coarse		
1 x NH	638060-89323-4		Very Fine	30,000	200
	638060-89322-7		Fine		
	638060-89321-0		Medium		
	638060-89320-3		Coarse		
	638060-89319-7		Extra Coarse		
2 x NH	638060-89303-6		Very Fine	25,000	200
	638060-89302-9		Fine		
	638060-89301-2		Medium		
	638060-89300-5		Coarse		
	638060-89299-2		Extra Coarse		
3 x NH	638060-89293-0		Very Fine	20,000	100
	638060-89292-3		Fine		
	638060-89291-6		Medium		
	638060-89290-9		Coarse		
	638060-89289-3		Extra Coarse		
4 x NH	638060-89283-1		Very Fine	15,000	100
	638060-89282-4		Fine		
	638060-89281-7		Medium		
	638060-89280-0		Coarse		
	638060-89268-8		Extra Coarse		

Other sizes available as Make-To-Order




SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS



 Roloc™ TS					
Diameter x Center Hole (inches)	UPC		Grade	Max. RPM	Qty/Case
3/4 x NH	638060-89211-4		Very Fine	30,000	200
	638060-89210-7		Fine		
	638060-89209-1		Medium		
	638060-89208-4		Coarse		
	638060-89207-7		Extra Coarse		
1 x NH	638060-89206-0		Very Fine	30,000	200
	638060-89205-3		Fine		
	638060-89204-6		Medium		
	638060-89203-9		Coarse		
	638060-89202-2		Extra Coarse		
2 x NH	638060-89195-7		Very Fine	25,000	200
	638060-89194-0		Fine		
	638060-89193-3		Medium		
	638060-89192-6		Coarse		
	638060-89191-9		Extra Coarse		
3 x NH	638060-89190-2		Very Fine	20,000	100
	638060-89189-6		Fine		
	638060-89188-9		Medium		
	638060-89187-2		Coarse		
	638060-89186-5		Extra Coarse		
4 x NH	638060-89185-8		Very Fine	15,000	100
	638060-89184-1		Fine		
	638060-89183-4		Medium		
	638060-89182-7		Coarse		
	638060-89181-0		Extra Coarse		





Other sizes available as Make-To-Order



Single and Multi-Packs					
Pack	Diameter (inches)	UPC		Grade	Attachment
Single Packs	4-1/2	638060-89343-2		Coarse	 TN Quick Change
		638060-89344-9		Medium	
Multi-Packs	3	638060-89407-1		 Multi-Grade	 Roloc™ TR
	2	638060-89408-8			



Accessories and Tools for Scotch-Brite™ Precision Surface Conditioning Disc

Product	PN	UPC		Diameter (inches)	Attachment	Density Rating	Max. RPM	MOQ	For Use With	
Scotch-Brite™ Universal Surface Conditioning Back-Up Pad	89869	638060-89869-7		4	5/8-11, M14, M10 (multi-attachment)	Hard	15,000	10	 Hook and Loop Discs	
	89871	638060-89871-0		4-1/2			13,300			
	89870	638060-89870-3		5			12,000			
3M™ Hook and Loop Disc Pad Holders	28888	051141-28888-8		7	7/8 Center Post, 5/8-11 INT	Medium	8,600	1		
	20245	051141-20245-7		7		Extra Hard	8,500			
3M™ Disc Back-Up Pad (Red)	88655	638060-88655-7		4-1/2	5/8-11 INT	Ribbed, Extra Hard	13,300	10	 TN Quick Change Discs	
	88656	638060-88656-4		5			12,000			
	88657	638060-88657-1		7			8,600			
3M™ Disc Pad Face Plates (Black)	14270	051144-14270-5		4-1/2	N/A – Requires Disc Pad Hub	Smooth, Hard	13,300	10		
	81733	051144-81733-7		5		Ribbed, Hard	12,000			
	80515	051144-80515-0		7		Ribbed, Medium	8,600			
3M™ Disc Pad Hub	88743	051144-88743-9		2-1/2	5/8-11 INT	N/A	N/A	N/A		
3M™ Disc Retainer Nut	51047	051111-51047-6		5/16 depth						
3M™ Roloc™ TR Disc Pads	45101	051144-45101-2		1	1/4-20 INT	Medium	30,000	5	 Roloc™ TR Discs	
	45099	051144-45099-2		1-1/2		Medium				
	45100	051144-45100-5		1-1/2		Hard				
	45095	051144-45095-4		2		Medium	25,000			
	45096	051144-45096-1		2		Hard				
	45092	051144-45092-3		3		Medium				
	45091	051144-45091-6		3		Hard				
	45179	051144-45179-1		4		Medium	12,000			
	28474	051141-28474-3		4	3/8-24 INT	Hard				
	83242	051144-83242-2		4	5/8-11 INT	Medium				
	83489	051144-83489-1		4		Hard				
3M™ Roloc™ TS Disc Pads	77729	051144-45100-5		1-1/2	1/4-20 INT	Medium	30,000	5	 Roloc™ TS Discs	
	77728	051144-77728-0		1-1/2		Hard				
	14211	051144-14211-8		2		Medium	25,000			
	14212	051144-14212-5		2		Hard				
	14215	051144-14215-6		3		Medium				
	14216	051144-14216-3		3		Hard				
	28578	051141-28578-8		4	5/8-11 INT	Hard	12,000			
Product	Model	UPC		Tool Diam. (inches)	Motor (HP)	Air Inlet (inches)	Airflow Rate (SCFM)	Max. RPM	Weight (lbs)	Noise Level (dBA)
3M™ Disc Sander	28341	051141-28341-8		2	0.3	1/4 NPT	17	20,000	1.1	81
	28328	051141-28328-9		2				12,000		
	20231	051141-20231-0		2				20,000		
	28329	051141-28329-6		2	0.5	3/8 NPT	26	12,000	1.3	89
	20232	051141-20232-7		3				15,000		
	28408	051141-28408-8		4–5				12,000		
3M™ Pneumatic Sander	88577	638060-88577-2		4-1/2–5	1.5	3/8 NPT	40 CFM	12,000	4.5	90

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Tech Tip

Try hook and loop discs with our new **Scotch-Brite™ Universal Surface Conditioning Back-up Pad**. Designed to optimize the performance of nonwoven abrasive discs. It comes packaged with everything you need for quick and easy tool attachment, including three attachment nuts and an optional snap-in center post. Low-profile design fits within most grinder guards.



Learn more at
3M.com/ScotchBriteAbrasives



Watch introduction and demo
videos at Youtube.com/3MAbrasives

Call to speak with a 3M abrasives expert: 1-866-279-1235

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