

PRECISION IN EVERY DISC.

SCOTCH-BRITE[™] PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING

Revolutionizing the industry by combining 3M Precision-Shaped Grain and Scotch-Brite[™] nonwoven web technology, the all new Scotch-Brite[™] Precision and Precision Heavy Duty Surface Conditioning Discs deliver next level results and the consistency you've come to expect from the Scotch-Brite[™] lineup.





▲ SCOTCH-BRITE[™] PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS

Scotch-Brite[™] Precision Surface Conditioning Discs Performance Comparison

On stainless steel, Scotch-Brite[™] Precision Surface Conditioning Discs, CRS 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 Discs, MED 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.**



3" – 3M[™] Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material ren

Scotch-Brite[™] Precision Heavy Duty Surface Conditioning Discs Performance Comparison

Scotch-Brite[™] Precision Heavy Duty Surface Conditioning Disc, XXCRS 60+ processes 3X more parts on mild steel compared to Bibielle HD CRS, Norton Rapid Prep XHD CRS and SIA HD CRS.⁺ Scotch-Brite™ Precision Heavy Duty Surface Conditioning Disc, XXCRS 60+ lasts 2X longer on mild steel compared to Bibielle HD CRS, Norton Rapid Prep XHD CRS and SIA HD CRS.⁺⁺



iscs were tested robotically on 304 series stainless steel until the end of life (end of life is determined to be 30% of the original cut) using a Hard Disc Face Plate sku 45193.

		NEW
	Scotch-Claritie Scotch-Sty Stor, Scotch A, VFN (A) V-A, FIN (A), MEL/A, CR/A, XCR III 3M 3M 3M 3M 3M M M 3M 3I 3M 3I 3M 3I Inte Scotch-Britle Scotch-Britle Scotch-Carto A, VFN (A) V-A, FIN (A), MA (A) OF (A) XC M 3M 2M 3M Carton and Scotch Carton	
Scotch-Brite [™] Surface Conditioning Discs	Scotch-Brite [™] Precision Surface Conditioning Discs	Scotch-Brite [™] Precision Heavy Duty Surface Conditioning Discs
Cleaning, Blending, Refining, Radiusing, Finishing and Polishing	Light Grinding, Deburring, Blending, Refining, Radiusing, Cleaning and Finishing	Light Grinding, Deburring, Edge Breaking, Blending and Refining
Aluminum Oxide / Silicon Carbide for SFN	With 3M Precision-Shaped Grain	With 3M Precision-Shaped Grain
SFN, VFN, MED, CRS	VFN, FIN, MED, CRS, XCRS	MED, CRS, XCRS, XXCRS
Multi-p	burpose	Heavy Duty

A multi-purpose disc designed for your needs.



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
Finishing	Edge Breaking







*Based on Grade MED, 3M internal testing

SCOTCH-BRITE[™] PRECISION △ SURFACE CONDITIONING DISCS

CONFORMABLE without compromise

delivers an aggressive cut while conformable nonwoven web helps protect against gouging



3X more parts finished on aluminum than leading competitors*

- Radiusing
- Blending

Refining Light Grinding

Roloc[™] TS





Boloc™ TR						
Diameter x Center Hole (inches)	3M ID	Grade	Max. RPM	Qty/Case		
	7100264173	Very Fine				
	7100264174	Fine				
2 x NH	7100264089	Medium	25,000	200		
	7100264090	Coarse				
	7100264091	Extra Coarse				
	7100264194	Very Fine				
3 x NH	7100264195	• Fine				
	7100264196	Medium	20,000	100		
	7100264197	Coarse				
	7100264198	Extra Coarse				

Roloc [™] TS					
Diameter x Center Hole (inches)	3M ID	Grade	Max. RPM	Qty/Case	
	7100264437	Very Fine			
	7100264436	Fine			
3/4 x NH	7100264435	Medium	30,000	200	
	7100264434	Coarse			
	7100264439	Extra Coarse			
	7100264440	Very Fine			
	7100264441	● Fine			
1 x NH	7100264442	Medium	30,000	200	
	7100264444	Coarse			
	7100264443	Extra Coarse			
	7100264445	Very Fine			
	7100264446	● Fine			
2 x NH	7100264447	Medium	25,000	200	
	7100264314	Coarse			
	7100264315	Extra Coarse			
	7100264316	Very Fine			
	7100264317	● Fine			
3 x NH	7100264208	Medium	20,000	100	
	7100264318	Coarse			
	7100264202	Extra Coarse			
4 x NH	7100271027	Very Fine			
	7100271026	● Fine			
	7100263880	Medium	15,000	100	
	7100263881	Coarse			
	7100263882	Extra Coarse			

Tough enough for heavy duty use.



High-pressure applications

Light Grinding	Blending
Deburring	Refining
Edge Breaking	



SCOTCH-BRITE[™] PRECISION HEAVY DUTY △ SURFACE CONDITIONING DISCS

SCOTCH-BRITETM PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS

SCOTCH-BRITE[™] PRECISION HEAVY DUTY △ SURFACE CONDITIONING DISCS



<u>2000000</u> Hook and Loop – No Hole						
Diameter x Center Hole (inches)	3M ID	Grade	Max. RPM	Qty/ Case		
	61500410701	Medium				
4 NILL	61500410719	• Coarse	10.000	100		
4 X NH	61500410727	Extra Coarse	13,300	100		
	61500410735	X-Extra Coarse				
	61500410784	Medium		50		
C NU I	61500410792	• Coarse	10.000			
5 X NH	61500410800	Extra Coarse	12,000			
	61500410818	X-Extra Coarse				
	61500410891	Medium		0.5		
7NI	61500410867	• Coarse				
7 x NH	61500410875	Extra Coarse	8,600	25		
	61500410883	X-Extra Coarse	1			
Other sizes available as Make-To-Order *When used with Scotch-Brite [™] Universal Surface Conditioning Ba Pad. 89869, 89870 and 89871.						



Boloc [™] TR						
Diameter x Center Hole (inches)	3M ID	Grade	Max. RPM	Qty/ Case		
	61500410503	Medium		200		
0.000	61500410511	Coarse	25.000			
2 X NH	61500410529	Extra Coarse	25,000			
	61500410537	X-Extra Coarse				
	61500410420	Medium		100		
3 x NH	61500410438	Coarse				
	61500410446	Extra Coarse	20,000	100		
	61500410453	X-Extra Coarse				



Hook and Loop – Center Hole						
Diameter x Center Hole (inches)	3M ID	Grade	Max. RPM	Qty/Case		
	7100358860	Medium				
× F (0	7100358855	Coarse	15.000	100		
× 570	7100358861	Extra Coarse	15,000			
	7100358887	• X-Extra Coarse				
	7100358896	Medium				
1/0 × 7/9	7100358856	Coarse	12 200	50		
-1/2 * //0	7100359465	Extra Coarse	13,300			
	7100359467	X-Extra Coarse				
	7100359473	Medium		50		
× 7/0	7100359468	Coarse	10.000			
· ^ //ð	7100359474	Extra Coarse	12,000	50		
	7100359469	• X-Extra Coarse				
	7100358893	Medium				
	7100358886	Coarse		05		
^ // 0	7100358899	Extra Coarse	0,000	23		
	7100359475	• X-Extra Coarse				

Other sizes available as Make-To-Order

TECH TIP

Start with 1/2" retainer nut (05621) for center hole attachments. Shorter or larger options available based on the tools shaft height.

SCOTCH-BRITE[™] PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS

SCOTCH-BRITE[™] PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS



Accessories and Tools for Scotch-Brite[™] Precision and Precision Heavy Duty Suface Conditioning Discs

Product	Product Number	UPC	Diameter (inches)	Attachment	Density Rating	Max. RPM	MOQ	For Use With
	45101	051144-45101-2	1		Medium	30,000	5	Roloc [™] TR
	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	1/4-20 IN I	Hard			
3M [™] Roloc [™] I R Disc Pads	45092	051144-45092-3	3		Medium	18,000		
	45091	051144-45091-6	3	3/8-24 INT	Hard	20,000		Discs
	45179	051144-45179-1	4		Medium			
	28474	051141-28474-3	4		Hard	12,000		
	83242	051144-83242-2	4	5/8-11 INT	Medium			
	83489	051144-83489-1	4		Hard			
	77729	051144-45100-5	1-1/2		Medium	30,000 25,000 5	_	
	77728	051144-77728-0	1-1/2		Hard			
	14211	051144-14211-8	2	1 /4 00 INT	Medium			Roloc 15
3M [™] Roloc [™] TS or TSM Disc Pads	14212	051144-14212-5	2	— 1/4-20 IN I —	Hard		5	
	14215	051144-14215-6	3		Medium	18,000		
	14216	051144-14216-3	3		Hard	20,000		Roloc [™] TSM
	28578	051141-28578-8	4	5/8-11 INT	Hard	12,000		Discs





Learn more at **3M.com/ScotchBriteAbrasives**

*Based on Grade XXCRS, 3M internal testing



3M Technologies (S) Pte Ltd 10 Ang Mo Kio Street 65 Techpoint #01-01 Singapore 569059

Phone +65 6450 8888 Web go.3M.com/SGabrasives

3M, Roloc and Scotch-Brite are trademarks of 3M. Please recycle. Printed in Singapore. © 3M 2025. All rights reserved.



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.



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

Product Selection and Use: 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable selulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for or iterature, use Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature, and must be selected and used in complicable health and safety regulations and standards (e.g., US, OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or other product use notic Misue of 3M industrial and occupational products may result in injury, sickness, deathy, on property damage. For help with product selection and use, consult your on-site safety professional, industrial bygienist, or other subject matter expert. For additional product information, visit www.3M.com. Warranty and Limited Remedy: state ach 3M product meets the applicable 3M product specification at the time 3M ships the product. If a 3M product dees not conform to the isimited remedy stated above, and except to the extent prohibited by law, 3M will not be liable fo