

# SCOTCH-BRITE™ SURFACE CONDITIONING DISCS


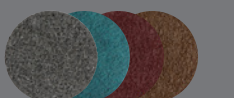
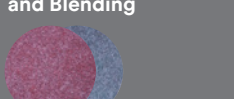


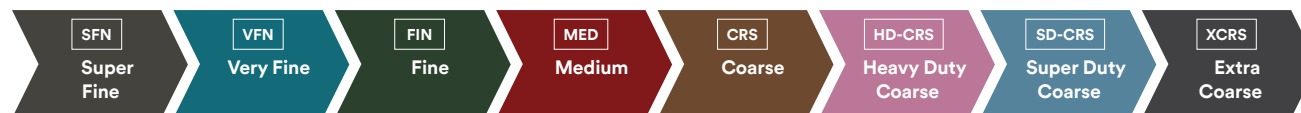
**MAKE TOUGH JOBS EASIER.**

Scotch-Brite™ Surface Conditioning Discs can help you achieve a burr-free, paintable finish in fewer steps without damaging the base material. The nonwoven, open web and durable construction is designed to resist loading and greatly increase the life of the disc.

## CHOOSE THE RIGHT DISC FOR THE JOB.

Scotch-Brite™ Surface Conditioning Discs can help with your first step for cleaning, blending, deburring and finishing without undercutting the base material. The durable open web is designed to resist loading — producing a high cut rate, consistent finish and extending operation.

SCOTCH-BRITE™ SURFACE CONDITIONING DISCS	GRADES	CONFORMABLE					DURABLE			SUBSTRATES	MINERAL
		POLISH	CLEAN	RADIUS	FINISH	REFINE	BLEND	DEBURR & EDGE BREAK	GRIND		
<b>MULTIPURPOSE</b>  	<b>Precision</b> VFN CRS FIN XCRS MED		✓	✓	✓	✓	✓	✓	✓	* CRS / XCRS	Can vary by grade Stainless Steel Aluminum Mild Steel Titanium Nickel Alloys PSG 3M Precision-Shaped Grain
	<b>SC</b> SFN VFN MED CRS		✓	✓	✓	✓	✓	✓			Stainless Steel Aluminum Mild Steel Titanium Nickel Alloy A/O + SiC Aluminum oxide/Silicon carbide
<b>HEAVY DUTY</b>  	<b>SE</b> FIN MED CRS					✓	✓	✓		Stainless Steel Aluminum Mild Steel A/O Aluminum oxide	
	<b>Light Grinding and Blending</b> HD-CRS SD-CRS							✓	✓	✓	Stainless Steel Aluminum Mild Steel Titanium Nickel Alloys C Ceramic aluminum oxide blend



**Check out this additional content!**

**Watch how Scotch-Brite™ discs complete these jobs!**

- GRINDING** (2:31 MIN)
- BLENDING** (1:46 MIN)
- REFINING** (2:17 MIN)
- CLEANING** (1:31 MIN)

**Find the right disc for your job**



**Watch a product demo video!**

- DEMO** (1:38 MIN)

**Surface Conditioning Discs Portfolio**



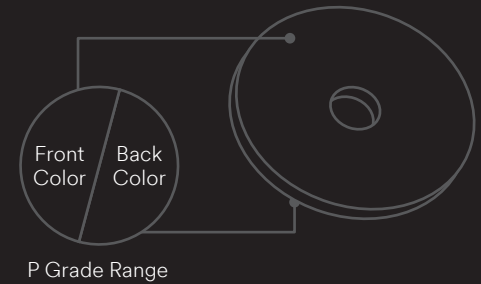
**WATCH VIDEOS**

**RESOURCES**

# CRACKING THE COLOR CODE — DISCS

HAVE CONFIDENCE THAT YOU ARE USING THE REAL DEAL.

Recognizing the authentic Scotch-Brite™ Brand colors can help you to quickly identify quality nonwoven abrasives — and their grades.<sup>1</sup>



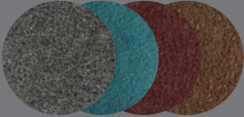
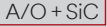
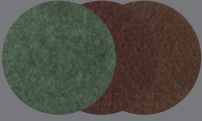

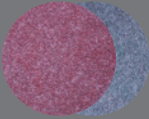



		SFN Super Fine	VFN Very Fine	FIN Fine	MED Medium	CRS Coarse	HD-CRS Heavy Duty	SD-CRS Super Duty	XCRS Extra Coarse
MULTIPURPOSE	PSG Precision		320-280	280-220	220-150	150-120			120-100
	SC	600-400	400-320		220-180	150-120			
HEAVY DUTY	SE			220-180	180-120	100-80			
	Light Grinding and Blending						120-100	100-80	

## P GRADES

1. Scotch-Brite™ nonwoven abrasives, grade is generally used to describe the finish attributes — the coarser the grade, the more aggressive cut and finish. P Grade ranges for Scotch-Brite™ Discs are based on comparative finishes to 3M paper discs (tested on mild steel and rotary tool). Grade ranges are reference point only — listed from finer to coarser. Measured finish will be affected by operator, tool, accessories used, substrate and application, and provided ranges are reference point only.

# FINISHING GUIDE BY SUBSTRATE

SUBSTRATE ROUGHNESS AVERAGE (RA)						
SCOTCH-BRITE™ SURFACE CONDITIONING DISCS	MINERAL	GRADE	1018 MILD STEEL IN (MICRON)	304 STAINLESS STEEL IN (MICRON)	6061 ALUMINUM μIN (MICRON)	
<b>MULTIPURPOSE</b>  <b>Precision</b> 	 3M Precision- Shaped Grain	<b>VFN</b>	11 – 15 (0.2 – 0.4)	9 – 11 (0.2 – 0.3)	23 – 38 (0.5 – 1.0)	
		<b>FIN</b>	16 – 23 (0.4 – 0.6)	14 – 17 (0.3 – 0.5)	34 – 53 (0.8 – 1.4)	
		<b>MED</b>	21 – 37 (0.5 – 1.0)	19 – 23 (0.4 – 0.6)	65 – 75 (1.6 – 2.0)	
		<b>CRS</b>	40 – 51 (1.0 – 1.3)	21 – 27 (0.5 – 0.7)	69 – 84 (1.7 – 2.2)	
		<b>XCRS</b>	42 – 53 (1.2 – 1.9)	36 – 54 (0.9 – 1.4)	121 – 140 (3.0 – 3.6)	
	<b>SC</b> 	 Aluminum oxide/Silicon carbide	<b>SFN</b>	N/A	5 – 7 (0.1 – 0.2)	16 – 22 (0.4 – 0.6)
			<b>VFN</b>	10 – 14 (0.2 – 0.4)	8 – 9 (0.2 – 0.3)	20 – 25 (0.5 – 0.7)
			<b>MED</b>	12 – 17 (0.3 – 0.5)	19 – 23 (0.4 – 0.6)	34 – 45 (0.8 – 1.2)
		<b>CRS</b>	17 – 29 (0.4 – 0.8)	25 – 31 (0.6 – 0.8)	62 – 84 (1.5 – 2.2)	
<b>HEAVY DUTY</b>  <b>SE</b> 	 Aluminum oxide	<b>FIN</b>	10 – 24 (0.2 – 0.7)	16 – 21 (0.4 – 0.6)	37 – 52 (0.9 – 1.4)	
		<b>MED</b>	21 – 28 (0.5 – 0.8)	19 – 24 (0.4 – 0.7)	64 – 97 (1.6 – 2.5)	
		<b>CRS</b>	46 – 57 (1.1 – 1.5)	36 – 43 (0.9 – 1.1)	72 – 113 (1.8 – 2.9)	
	<b>Light Grinding and Blending</b> 	 Ceramic aluminum oxide blend	<b>HD-CRS</b>	32 – 54 (0.8 – 1.4)	33 – 42 (0.8 – 1.1)	90 – 110 (2.2 – 2.8)
			<b>SD-CRS</b>	53 – 84 (1.3 – 2.2)	50 – 59 (1.2 – 1.5)	110 – 171 (2.7 – 4.4)

The information we are furnishing is based on tests performed at 3M laboratory facilities. While we believe that these test results are reliable, their accuracy or completeness is not guaranteed. Your results may vary due to differences in test types and conditions. This information is intended for use by persons with the knowledge and technical skills to analyze, handle and use such information. You must evaluate and determine whether the product is suitable for your intended application. The foregoing information is provided "AS-IS". In providing this information 3M makes no warranties regarding product use or performance, including any implied warranty of merchantability or fitness for a particular use.

# SCOTCH-BRITE™ SURFACE CONDITIONING DISCS



## Scotch-Brite™ Precision Surface Conditioning Discs

VFN FIN MED CRS XCRS

PSG + Nonwoven

Features 3M Precision-Shaped Grain for fast cut and long life

Expanded grades cover a large range of applications

Balance of conformability and durability

Bright, vivid colors help to identify easier

**TECH TIP:** You can remove a final sanding step — increasing your productivity!



Roloc™



TN Quick Change



7/8 Center Hole



Hook and Loop



FIND YOUR GRADE AND SIZE

3M™ ROLOC™ SYSTEM



Disc Portfolio

Meet our NEW  
Scotch-Brite™ Precision  
Surface Conditioning Disc!



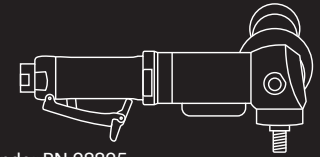
WATCH VIDEO (1:20 MIN)

Featuring the 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.



## Build Your System

### UNIVERSAL BACKUP PAD EXAMPLE



Disc Sander PN 28825

Scotch-Brite™ Universal Backup Pad PN 89871

Adapter Nut M14 / M10 / 5/8–11 Thread

Center Post (Optional)

Scotch-Brite™ Precision Surface Conditioning Disc  
UPC 638060-89244-2

## Check out this additional content!



Scotch-Brite™ Universal Surface Conditioning Back-up Pad



LEARN MORE



3M™ Disc Pad Face Plate Ribbed



LEARN MORE

# SCOTCH-BRITE™ SURFACE CONDITIONING DISCS



## Scotch-Brite™ SC Surface Conditioning Discs

SFN VFN MED CRS

Multipurpose for cleaning, blending, light deburring and finishing

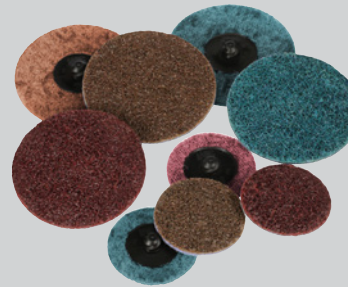
Conforms well on irregular / contoured surfaces without undercutting or damaging base material

Aluminum oxide / silicon carbide for super fine

Open-web resists loading



FIND YOUR GRADE AND SIZE



Roloc™



TN Quick Change



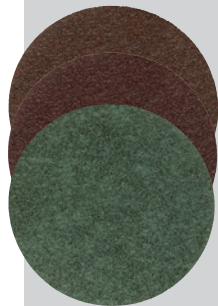
7/8 Center Hole



Hook and Loop



3M™ ROLOC™ SYSTEM



## Scotch-Brite™ SE Surface Conditioning Discs

FIN MED CRS

Aggressive disc with long life for heavy duty deburring, finishing and grinding

Appropriate for high to medium pressure applications and edge deburring

Aluminum oxide

Open-web resists loading and runs cool

**TECH TIP:** Easy to recognize with the Scotch-Brite™ branded light blue backing on SE discs and belts!



FIND YOUR GRADE AND SIZE



Roloc™



TN Quick Change



7/8 Center Hole



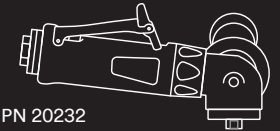
Hook and Loop



3M™ ROLOC™ SYSTEM

## Build Your System

### 3M™ ROLOC™ EXAMPLE



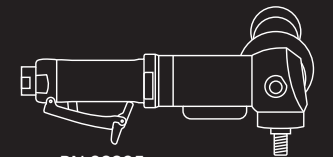
PN 20232

Sander Adapter  
PN 06582

3M™ Roloc™ Disc Pad  
PN 45091

Scotch-Brite™ Roloc™ SC  
Surface Conditioning Disc  
UPC 048011-05532-9

### HOOK AND LOOP EXAMPLE



PN 28825

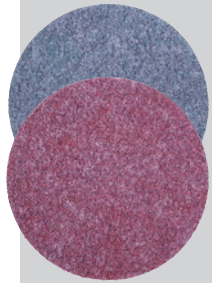
3M™ Hook and Loop  
Disc Pad Holder  
PN 9145

Scotch-Brite™ SE Surface  
Conditioning Disc  
UPC 048011-18079-3

## TECH TIP | NEED TO REDUCE VIBRATION?

A "Direct Mount" Disc Pad attachment has a lower profile and offers better control. Check out a Collet accessory for a longer reach.

# SCOTCH-BRITE™ SURFACE CONDITIONING DISCS



## Scotch-Brite™ Light Grinding and Blending Discs

HD-CRS SD-CRS

Grinds and blends in one step

3M ceramic aluminum oxide blend abrasive grain

Aggressive cut, long life, consistent finish

Durable construction resists edge wear

**TECH TIP:** You can remove a final sanding step — increasing your productivity!



Roloc™



TN Quick Change



7/8 Center Hole



Hook and Loop



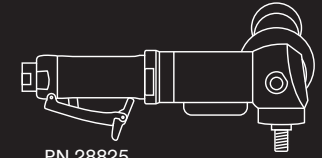
FIND YOUR GRADE AND SIZE

3M™ ROLOC™ SYSTEM

## Build Your System

### TN QUICK CHANGE EXAMPLE

2-piece Attachment System



PN 28825

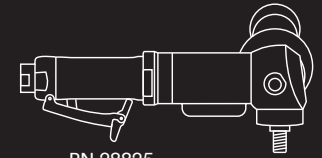
3M™ Disc Pad Hub  
PN 45205

3M™ Disc Pad Face Plate  
PN 14270

Scotch-Brite™ Light  
Grinding and Blending Disc  
UPC 048011-60349-0

### 7/8" CENTER HOLE EXAMPLE

3-piece Attachment System



PN 28825

3M™ Disc Pad Hub  
PN 45205

3M™ Disc Pad Face Plate  
PN 14270

Scotch-Brite™ Light  
Grinding and Blending Disc  
UPC 048011-60332-2

3M™ Disc Retainer Nut  
PN 51047



Watch our  
demo video!  
(1:01 MIN)



Learn more  
3M™ Disc Pad  
Face Plate



## TECH TIP

### 2-Step Weld Remove and Prep for Paint

Remove the weld with  
3M™ Cubitron™ II Fibre Disc  
982C or 982CX Pro

1

Finish with the Scotch-Brite™  
Light Grinding and Blending  
(SD) or Scotch-Brite™ Precision  
Surface Conditioning (XCRS) Discs

2

Ready for paint (>3mil)

*For best results use with red (extra hard) or black (hard) 3M™ Disc Face Plates.*