



PRECISION IN EVERY DISC.

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

Revolutionising the industry by combining 3M Precision-Shaped Grain (PSG) 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.



With
3M Precision-
Shaped Grain

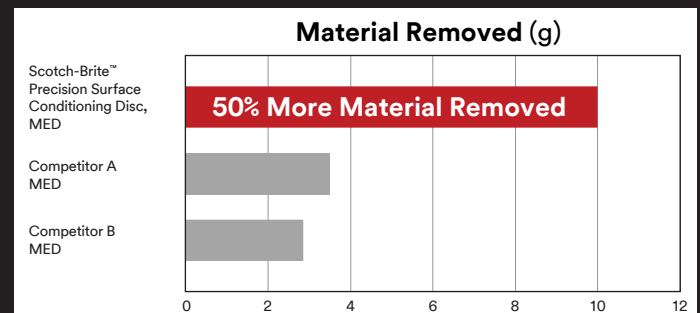
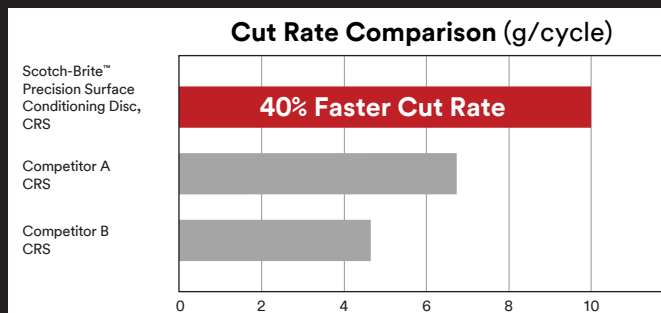




SCOTCH-BRITE™ PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS

Scotch-Brite™ Precision Surface Conditioning Discs Performance Comparison

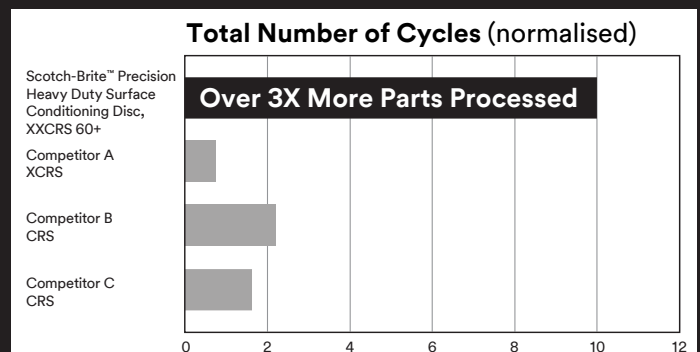
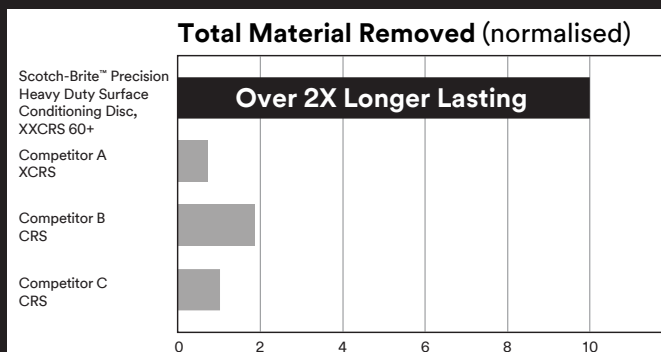
On stainless steel, **Scotch-Brite™ Precision Surface Conditioning Discs, CRS** process 40% more material in the same amount of time compared to competitors — all while finishing 1.4X as many parts.* On aluminium, **Scotch-Brite™ Precision Surface Conditioning Discs, MED** remove 3X more material than competitors 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.**



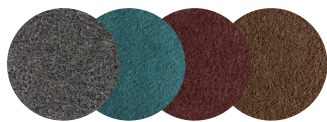
* Based on 3M internal testing: CRS 3" discs were tested robotically on 304 series stainless steel for 12 minutes, using a 3" – 3M™ Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material removed.
 ** Based on 3M internal testing: MED 3" discs were tested robotically on 6061 aluminium 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.

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

Scotch-Brite™ Precision Heavy Duty Surface Conditioning Disc, XXCRS 60+ processes over 3X more parts on mild steel compared to competitors.† **Scotch-Brite™ Precision Heavy Duty Surface Conditioning Disc, XXCRS 60+** lasts over 2X longer on mild steel compared to competitors.††



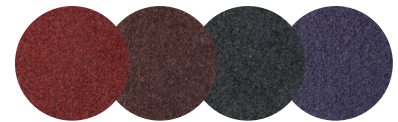
† Based on 3M internal testing: 7" discs were tested robotically on 1045 mild steel using a 3M face plate 45193 until the end-of-life. The end-of-life is determined to be 30% of the original cut. One finished part is defined as 10 grams of mild steel removed.
 †† Based on 3M internal testing: 7" discs were tested robotically on 1045 mild steel using a 3M face plate 45193 until the end-of-life. The end-of-life is determined to be 30% of the original cut.



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
Aluminium 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-purpose		Heavy Duty

SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS

A multi-purpose disc designed for your needs.

1

MULTI-PURPOSE and load-resistant

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

2

CONFORMABLE without compromise

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

3

FASTER TO THE FINISH

3X more parts finished on aluminium than leading competitors*

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 Breaking
- Blending
- Light Grinding

The right grade — and attachment — for every job.

Finer Finish / Less Aggressive

Coarser Finish / More Aggressive



VERY
FINE



FINE



MEDIUM



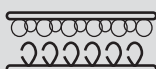
COARSE



EXTRA
COARSE



3M™ Hook and Loop – No Hole Disc



3M™ Hook and Loop – Centre Hole Disc

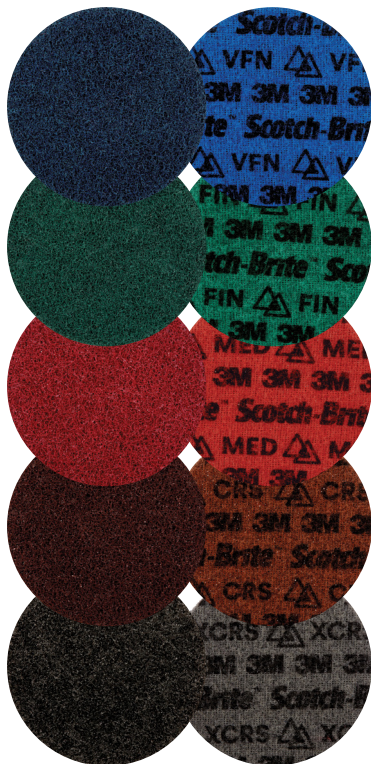


Roloc™ TR



*Based on Grade MED, 3M internal testing

SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS

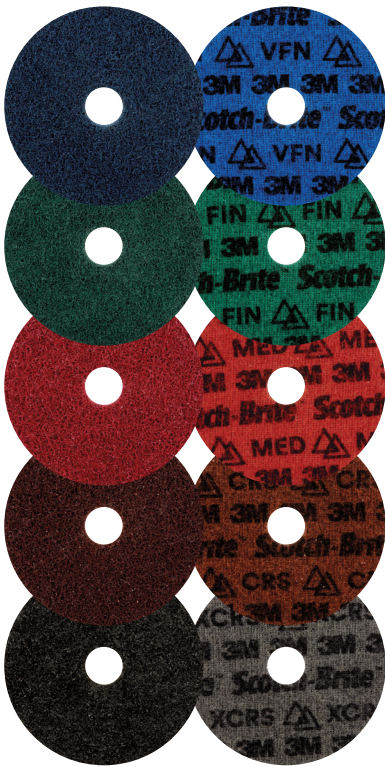



 Hook and Loop – No Hole				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
100 × NH		 Very Fine	13,000/ 15,000*	100
		 Fine		
		 Medium		
		 Coarse		
		 Extra Coarse		
115 × NH		 Very Fine	13,300	50
		 Fine		
		 Medium		
		 Coarse		
		 Extra Coarse		
125 × NH		 Very Fine	12,000	50
		 Fine		
		 Medium		
		 Coarse		
		 Extra Coarse		
150 × NH		 Very Fine	10,000	50
		 Fine		
		 Medium		
		 Coarse		
		 Extra Coarse		
178 × NH		 Very Fine	8,600	25
		 Fine		
		 Medium		
		 Coarse		
		 Extra Coarse		

Other sizes available as Make-To-Order

*When used with Scotch-Brite™ Universal Surface Conditioning Back-up Pad, 89869, 89870 and 89871.

SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS



 Hook and Look – Centre Hole				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
100 × 16		Very Fine	15,000	100
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
115 × 22.23		Very Fine	13,300	200
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
125 × 22.23		Very Fine	12,000	50
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
178 × 22.23		Very Fine	8,600	25
		Fine		
		Medium		
		Coarse		
		Extra Coarse		

Other sizes available as Make-To-Order



 Roloc™ TR				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
25 × NH		Very Fine	30,000	200
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
50 × NH		Very Fine	25,000	200
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
76 × NH		Very Fine	20,000	100
		Fine		
		Medium		
		Coarse		
		Extra Coarse		
100 × NH		Very Fine	15,000	100
		Fine		
		Medium		
		Coarse		
		Extra Coarse		

SCOTCH-BRITE™ PRECISION SURFACE CONDITIONING DISCS

Tough enough for heavy duty use.

1

2X LONGER LASTING on mild steel

compared to competitive premium nonwoven abrasives — while offering edge durability and shape retention during edge wear*

2

3X MORE PARTS PROCESSED on mild steel

than competitive premium nonwoven abrasives*

3

FAST & DURABLE Long-lasting on parts with sharp edges

Heavy duty discs for applications that require a more aggressive and durable product

High-pressure applications

An extension of 3M's Precision Surface Conditioning Disc family, this heavy duty option is designed for durability, long product life, and consistent performance. These discs last longer than competitive premium nonwoven abrasives while offering edge durability and shape retention during edge wear.

- ▶ Light Grinding
- ▶ Blending
- ▶ Deburring
- ▶ Refining
- ▶ Edge Breaking

The heavy duty family identified by the black backing and white font.



PSG technology built into the product.

Tech Tip

Ever wondered what grit mineral is in your nonwoven?

Now including the size of PSG to better understand the positioning of our grades of Precision Heavy Duty Surface Conditioning Discs.

Cutting power for heavy duty jobs.

Medium Finish/Less Aggressive

Coarser Finish/Most Aggressive



MED
150+

CRS
120+

XCRS
80+

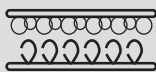
XXCRS
60+

*Based on Grade XXCRS, 3M internal testing

SCOTCH-BRITE™ PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS



3M™ Hook and Loop
– No Hole Disc



3M™ Hook and Loop –
Centre Hole Disc



Roloc™ TR



 Hook and Loop – No Hole				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
100 x NH		● Medium	13,000/ 15,000*	100
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
115 x NH		● Medium	13,000/ 13,300*	50
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
125 x NH		● Medium	10,000/ 12,000*	50
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
150 x NH		● Medium	10,000	50
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
178 x NH		● Medium	8,600	25
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		

Other sizes available as Make-To-Order

*When used with Scotch-Brite™ Universal Surface Conditioning Back-up Pad, 89869, 89870 and 89871.

SCOTCH-BRITE™ PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS



 Hook and Loop – Centre Hole				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
100 × 16		● Medium	15,000	100
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
115 × 22.23		● Medium	13,300	50
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
125 × 22.23		● Medium	12,000	50
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
178 × 22.23		● Medium	8,600	25
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		


Other sizes available as Make-To-Order

TECH TIP

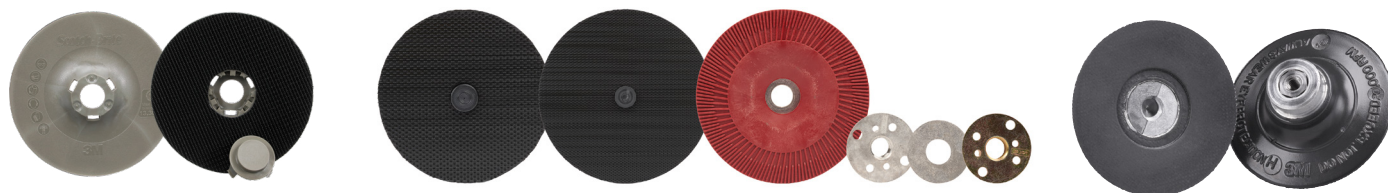
Start with 12mm retainer nut (05621) for centre hole attachments. Shorter or larger options available based on the tools shaft height.

SCOTCH-BRITE™ PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS





 Roloc™ TR				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/ Case
25 x NH		● Medium	30,000	200
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
50 x NH		● Medium	25,000	100
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
50 x NH		● Medium	25,000	200
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		
76 x NH		● Medium	20,000	100
		● Coarse		
		● Extra Coarse		
		● X-Extra Coarse		

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



Accessories and Tools for Scotch-Brite™ Precision and Precision Heavy Duty Surface Conditioning Discs

Product	Product Number	3M ID	Diameter (mm)	Attachment	Density Rating	Max. RPM	MOQ	For Use With
Scotch-Brite™ Universal Surface Conditioning Back-Up Pad	89869		100	5/8-11, M14, M10 (multi-attachment)	Hard	15,000	10	 Hook and Loop Discs
	89871		115			13,300		
	89870		125			12,000		
3M™ Hookit™ Disc Pad	01917		178	M14	Medium	6,000	1	
3M™ Center Hole Back-Up Pad	61682		178			12,000		
3M™ Roloc™ TR Disc Pads	45101		25	1/4-20 INT	Medium	30,000	5	 Roloc™ TR Discs
	45095		50		Medium	25,000		
	45096		50		Hard	25,000		
	45092		76		Medium	18,000		
	45091		76		Hard	20,000		



Scotch-Brite™ Precision and Precision Heavy Duty Surface Conditioning Discs

Product	Model	3M ID	Tool Diam. (mm)	Motor (watts)	Air Inlet (inches)	Airflow Rate l/m (SCFM)	Max. RPM	Weight (kg)	Noise Pressure Level (dBA)
3M™ Disc Sander	25125		76	745	3/8 NPT	1,048 (37)	15,000	1.38	84.4
	25124		50	373		736 (26)	20,000	.76	90.2
	28344		50	373		736 (26)	12,000	.76	88.2
	28342		50	246		481 (17)	20,000	.65	82.4
	64874		76	336		623 (22)	15,000	.81	72
	64875		50	336			15,000	.81	76
3M™ Electric Angle Grinder	14144		115	1900	n/a	n/a	11,500	2.4	91

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



Tech Tip

Try hook and loop discs with our new **Scotch-Brite™ Universal Surface Conditioning Back-up Pad**. Designed to optimise 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 centre post. Low-profile design fits within most grinder guards.



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

