



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

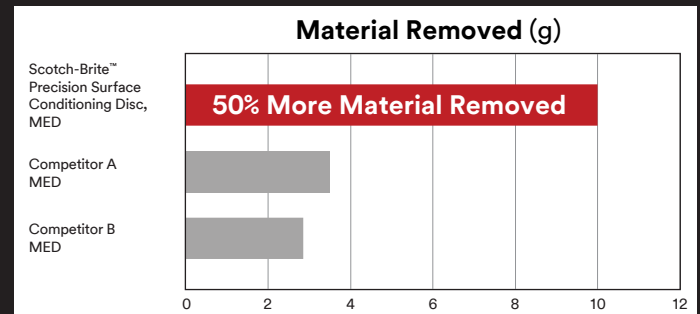
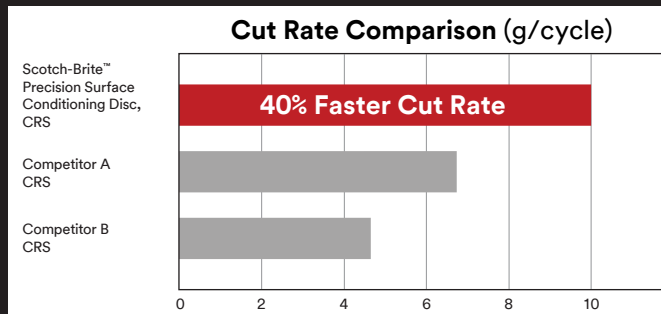




SCOTCH-BRITE™ PRECISION AND PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS

Scotch-Brite™ Precision Surface Conditioning Discs Performance Comparison

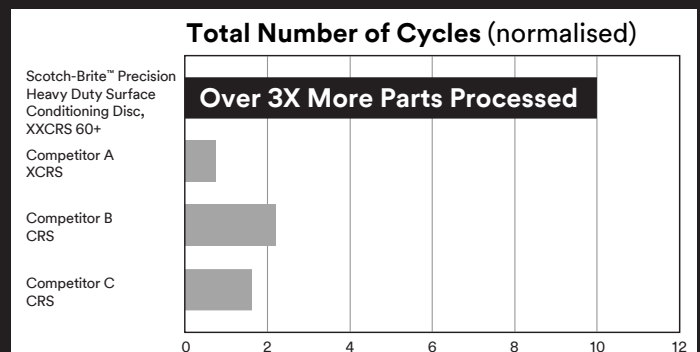
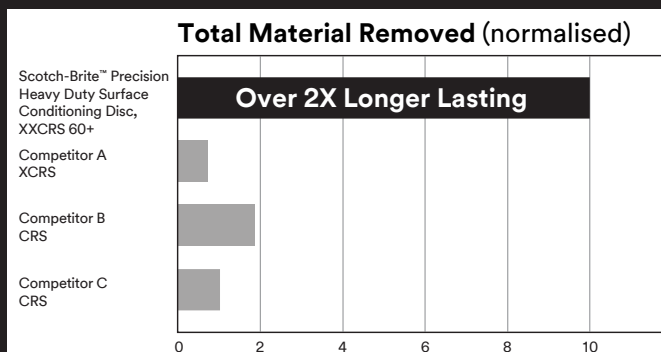
On stainless steel, **Scotch-Brite™ Precision Surface Conditioning Discs, CRS** process 40% more material in the same amount of time compared to competitors — all while finishing 1.4X as many parts.* On aluminium, **Scotch-Brite™ Precision Surface Conditioning Discs, MED** remove 3X more material than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



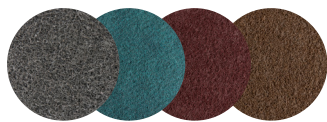
* Based on 3M internal testing: CRS 3" discs were tested robotically on 304 series stainless steel for 12 minutes, using a 3" – 3M™ Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material removed.
 ** Based on 3M internal testing: MED 3" discs were tested robotically on 6061 aluminium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



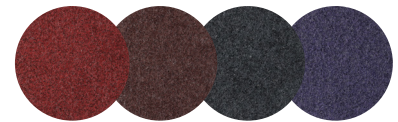
† Based on 3M internal testing: 7" discs were tested robotically on 1045 mild steel using a 3M face plate 45193 until the end-of-life. The end-of-life is determined to be 30% of the original cut. One finished part is defined as 10 grams of mild steel removed.
 †† Based on 3M internal testing: 7" discs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

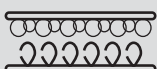
The right grade — and attachment — for every job.

Finer Finish / Less Aggressive

Coarser Finish / More Aggressive



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

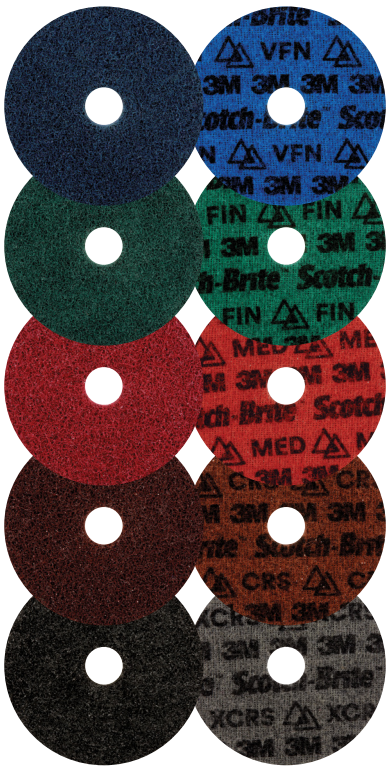


 Hook and Loop – No Hole				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/Case
100 × NH	7100274671	● Very Fine	13,000/ 15,000*	100
	7100274670	● Fine		
	7100274669	● Medium		
	7100274705	● Coarse		
	7100274706	● Extra Coarse		
115 × NH	7100274224	● Very Fine	13,300	50
	7100274222	● Fine		
	7100274223	● Medium		
	7100274273	● Coarse		
	7100274270	● Extra Coarse		
125 × NH	7100274277	● Very Fine	12,000	50
	7100274274	● Fine		
	7100274271	● Medium		
	7100274275	● Coarse		
	7100274272	● Extra Coarse		
150 × NH	7100274704	● Very Fine	10,000	50
	7100274663	● Fine		
	7100274662	● Medium		
	7100274660	● Coarse		
	7100274661	● Extra Coarse		
178 × NH	7100275253	● Very Fine	8,600	25
	7100275255	● Fine		
	7100275258	● Medium		
	7100275259	● Coarse		
	7100275256	● 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	7100275838	Very Fine	15,000	100
	7100275837	Fine		
	7100275899	Medium		
	7100275261	Coarse		
	7100275260	Extra Coarse		
115 × 22.23	7100275845	Very Fine	13,300	200
	7100275836	Fine		
	7100275844	Medium		
	7100274279	Coarse		
	7100274225	Extra Coarse		
125 × 22.23	7100274228	Very Fine	12,000	50
	7100276268	Fine		
	7100274229	Medium		
	7100274227	Coarse		
	7100274226	Extra Coarse		
178 × 22.23	7100274668	Very Fine	8,600	25
	7100274667	Fine		
	7100274666	Medium		
	7100274667	Coarse		
	7100274668	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	7100264156	Very Fine	30,000	200
	7100264159	Fine		
	7100264161	Medium		
	7100271028	Coarse		
	7100264150	Extra Coarse		
50 × NH	7100264173	Very Fine	25,000	200
	7100264174	Fine		
	7100264089	Medium		
	7100264090	Coarse		
	7100264091	Extra Coarse		
76 × NH	7100264194	Very Fine	20,000	100
	7100264195	Fine		
	7100264196	Medium		
	7100264197	Coarse		
	7100264198	Extra Coarse		
100 × NH	7100264199	Very Fine	15,000	100
	7100264204	Fine		
	7100264142	Medium		
	7100264203	Coarse		
	7100270872	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+

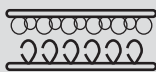
XXCRS
60+

*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	7100358156	● Medium	13,000/ 15,000*	100
	7100358858	● Coarse		
	7100358883	● Extra Coarse		
	7100358857	● X-Extra Coarse		
115 x NH	7100358157	● Medium	13,000/ 13,300*	50
	7100358903	● Coarse		
	7100358872	● Extra Coarse		
	7100358902	● X-Extra Coarse		
125 x NH	7100358923	● Medium	10,000/ 12,000*	50
	7100358904	● Coarse		
	7100358924	● Extra Coarse		
	7100358905	● X-Extra Coarse		
150 x NH	7100358925	● Medium	10,000	50
	7100358906	● Coarse		
	7100358926	● Extra Coarse		
	7100358871	● X-Extra Coarse		
178 x NH	7100358859	● Medium	8,600	25
	7100358898	● Coarse		
	7100358890	● Extra Coarse		
	7100358854	● 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	7100358860	● Medium	15,000	100
	7100358855	● Coarse		
	7100358861	● Extra Coarse		
	7100358887	● X-Extra Coarse		
115 × 22.23	7100358896	● Medium	13,300	50
	7100358856	● Coarse		
	7100359465	● Extra Coarse		
	7100359467	● X-Extra Coarse		
125 × 22.23	7100359473	● Medium	12,000	50
	7100359468	● Coarse		
	7100359474	● Extra Coarse		
	7100359469	● X-Extra Coarse		
178 × 22.23	7100358893	● Medium	8,600	25
	7100358886	● Coarse		
	7100358899	● Extra Coarse		
	7100359475	● 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.

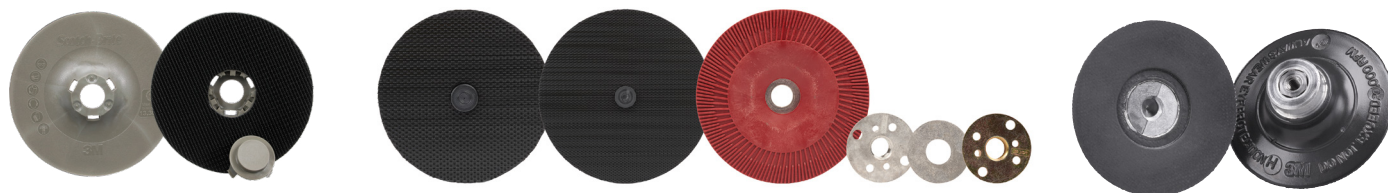
SCOTCH-BRITE™ PRECISION HEAVY DUTY SURFACE CONDITIONING DISCS





 Roloc™ TR				
Diameter x Centre Hole (mm)	3M ID	Grade	Max. RPM	Qty/ Case
25 x NH	7100359476	● Medium	30,000	200
	7100359463	● Coarse		
	7100359464	● Extra Coarse		
	7100359478	● X-Extra Coarse		
50 x NH	7100359487	● Medium	25,000	100
	7100359489	● Coarse		
	7100359479	● Extra Coarse		
	7100359490	● X-Extra Coarse		
50 x NH	7100359470	● Medium	25,000	200
	7100359486	● Coarse		
	7100359477	● Extra Coarse		
	7100359904	● X-Extra Coarse		
76 x NH	7100359480	● Medium	20,000	100
	7100359491	● Coarse		
	7100359481	● Extra Coarse		
	7100359753	● 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

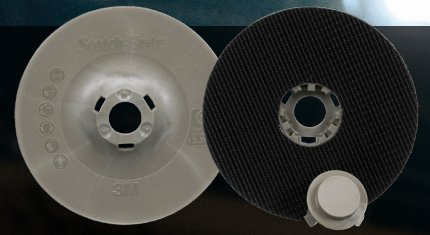
Product	Product Number	3M ID	Diameter (mm)	Attachment	Density Rating	Max. RPM	MOQ	For Use With
Scotch-Brite™ Universal Surface Conditioning Back-Up Pad	89869	7100276338	100	5/8-11, M14, M10 (multi-attachment)	Hard	15,000	10	 Hook and Loop Discs
	89871	7100276339	115			13,300		
	89870	7100276340	125			12,000		
3M™ Hookit™ Disc Pad	01917	7000068111	178	M14	Medium	6,000	1	
3M™ Center Hole Back-Up Pad	61682	7000086464	178			12,000		
3M™ Roloc™ TR Disc Pads	45101	7100003161	25	1/4-20 INT	Medium	30,000	5	 Roloc™ TR Discs
	45095	7000045282	50		Medium	25,000		
	45096	7000000441	50		Hard	25,000		
	45092	7000000602	76		Medium	18,000		
	45091	7100002305	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	7100142459	76	745	3/8 NPT	1,048 (37)	15,000	1.38	84.4
	25124	7100083278	50	373		736 (26)	20,000	.76	90.2
	28344	7100083511	50	373		736 (26)	12,000	.76	88.2
	28342	7100083997	50	246		481 (17)	20,000	.65	82.4
	64874	7000060284	76	336		623 (22)	15,000	.81	72
	64875	7000060285	50	336			15,000	.81	76
3M™ Electric Angle Grinder	14144	7100281321	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

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 regulations 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.

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3M United Kingdom PLC
3M Centre
Cain Road, Bracknell
RG12 8HT
Tel: +44 8705 360036
abrasives.uk@mmm.com
www.3M.co.uk/abrasives

3M Ireland Limited
The Iveagh Building
The Park
Carrickmines
Dublin 18
Ireland
Tel: 1 800 320 500

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61-5005-0044-4

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