3M Science. Applied to Life.™

3M Abrasives Product Catalog



3M Xtract™ Clean Sanding Solutions

Scotch-Brite™ Finishing Strong Brand Since 1958

3M Cubitron™ 3 Performance Abrasives

3M Trizact™



3M innovations that transform how work gets done.

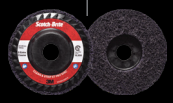
For more than 100 years, 3M Abrasive Systems Division has been a pioneer in innovation and the advancement of new abrasive technologies and solutions.

1921	1958	1981	1993	2001	2022	2023
3M Wetordry™ Sandpaper	Scotch-Brite™ Nonwoven Abrasives	3M™ Ceramic Grains	Trizact™ Microreplicated Abrasives	3M™ Cubitron™ 2 Precision-Shaped Grain	3M Xtract™ Clean Sand Abrasives	3M™ Cubitron™ 3 Precision-Shaped Grain

2018



3M™ Flap Disc 769F



Scotch-Brite™ Clean and Strip XT Pro



Scotch-Brite™ Clean and Strip XT Pro Extra Cut

2021



3M Xtract™ Clean Sanding Solutions

2022



3M™ Cloth Belt 767F



Scotch-Brite™ Precision Surface Conditioning Discs

2024



3M™ Cubitron™ 3 Cloth Belt 1184F

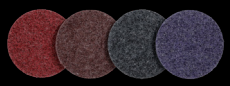


3M™ Cubitron™ 3 Fibre Discs 1182 and 1187C



3M™ Cubitron™ 3 Portable Grinding and Cutting Wheels

2025



Scotch-Brite™ Precision Heavy Duty

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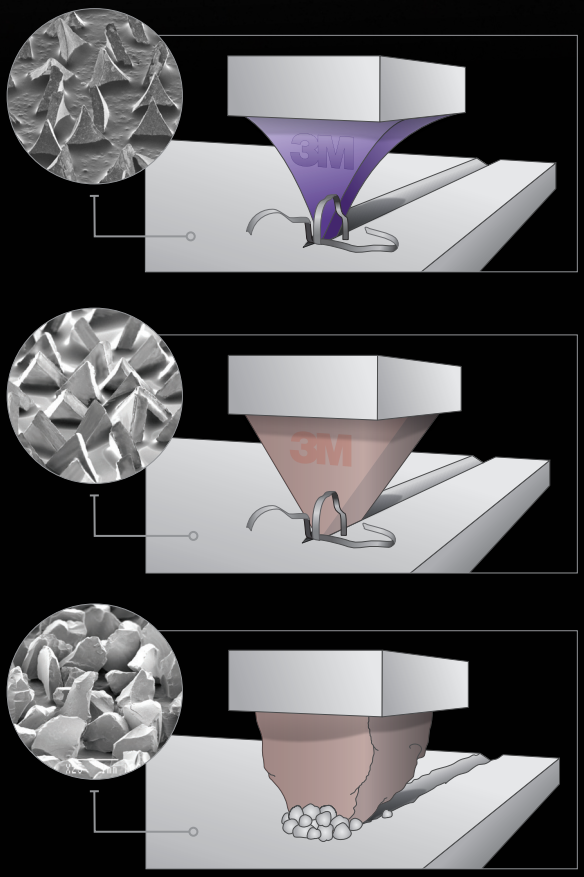
54 Abrasive Grade Comparison Guide

A new era of abrasive performance is here.

Introducing 3M re-engineered Precision-Shaped Grain, boosting the speed and life of 3M™ Cubitron™ Performance Abrasives to new heights. This advancement prioritizes operator safety, maximizes sustainability, and amplifies time and labor efficiency.

Enhanced mineral orientation

Re-shaping the way work gets done.



3M Cubitron™ 3 Performance Abrasives

Our latest 3M Precision-Shaped Grain

Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in grain shape. This helps increase productivity and lower overall grinding costs.

3M Precision-Shaped Grain

3M pioneered the first Precision-Shaped Grain using 3M microreplication technology to form consistent sharp peaks that easily “slice” through metal—cutting cooler, faster, and lasting longer than conventional abrasive grain.

Conventional ceramic abrasive

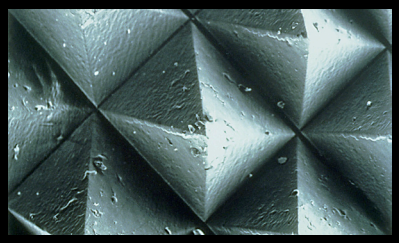
Conventional ceramic abrasive grain tends to “plow” through metal, causing heat to build up in the workpiece and abrasive, resulting in a slower cut and shorter abrasive life compared to our latest Precision-Shaped Grain.

Micro-Replicated Technology

3M | Trizact™

Why 3M™ Trizact Abrasives?

No matter what the challenge in finishing work – more consistent results, lower material costs, faster production – our selection of 3M™ Trizact™ abrasive sheets, discs, and belts can refine your entire operation.

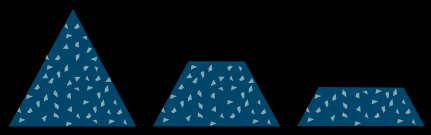


Why 3M™ Trizact™ Abrasives?

3M™ Trizact™ Abrasives feature 3M microreplication technology: precisely-shaped, three-dimensional mineral structures distributed uniformly over the abrasive backing. This evenly-spaced configuration results in truly consistent performance – disc after disc, belt after belt, part after part and job after job – that you won't get from any non-microreplicated abrasive.



Conventional grain



Trizact™ micro-replicated

Stays sharper for longer.

Conventional abrasives start out sharp, but dull quickly during use. As the mineral structures in 3M™ Trizact™ Abrasives wear, fresh, sharp mineral is exposed, keeping them sharper for longer periods vs. conventional abrasives. This results in longer abrasive life.

The science behind high-quality finishes

Scotch-Brite™ Abrasive Materials

Scotch-Brite products improve surface finishes with ease while safely delivering the desired finish.

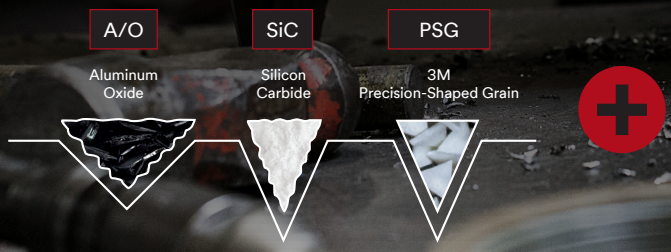
3M Precision-Shaped Grain Nonwoven Technology

This new addition to the Scotch-Brite™ lineup combines the benefits of two 3M technologies. It promises the consistency you've come to expect with increased cutting speed and longer abrasive life.

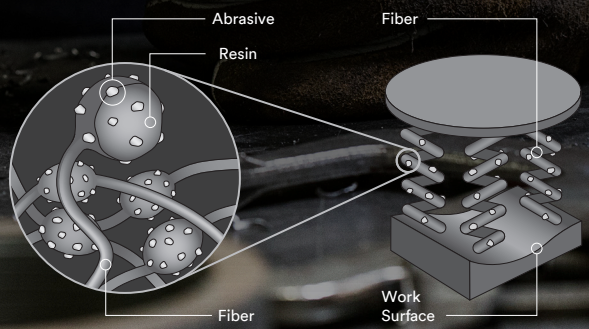
A/O — **Aluminum Oxide** mineral is blockier and more durable than SiC, which provides a longer life as the mineral breaks down at a slower rate. A/O is commonly used for a wide range of applications..

SiC — **Silicon Carbide** is a synthetic mineral that is very sharp with a narrow shape, which wears down faster and is commonly used for low-pressure applications.

PSG — **3M Precision-Shaped Grain** is a triangular-shaped ceramic grain that is designed with sharp, angular structures that continuously fracture to form new sharp cutting edges.



Look for the 3M Precision-Shaped Grain icon!





Engineering is a team effort.

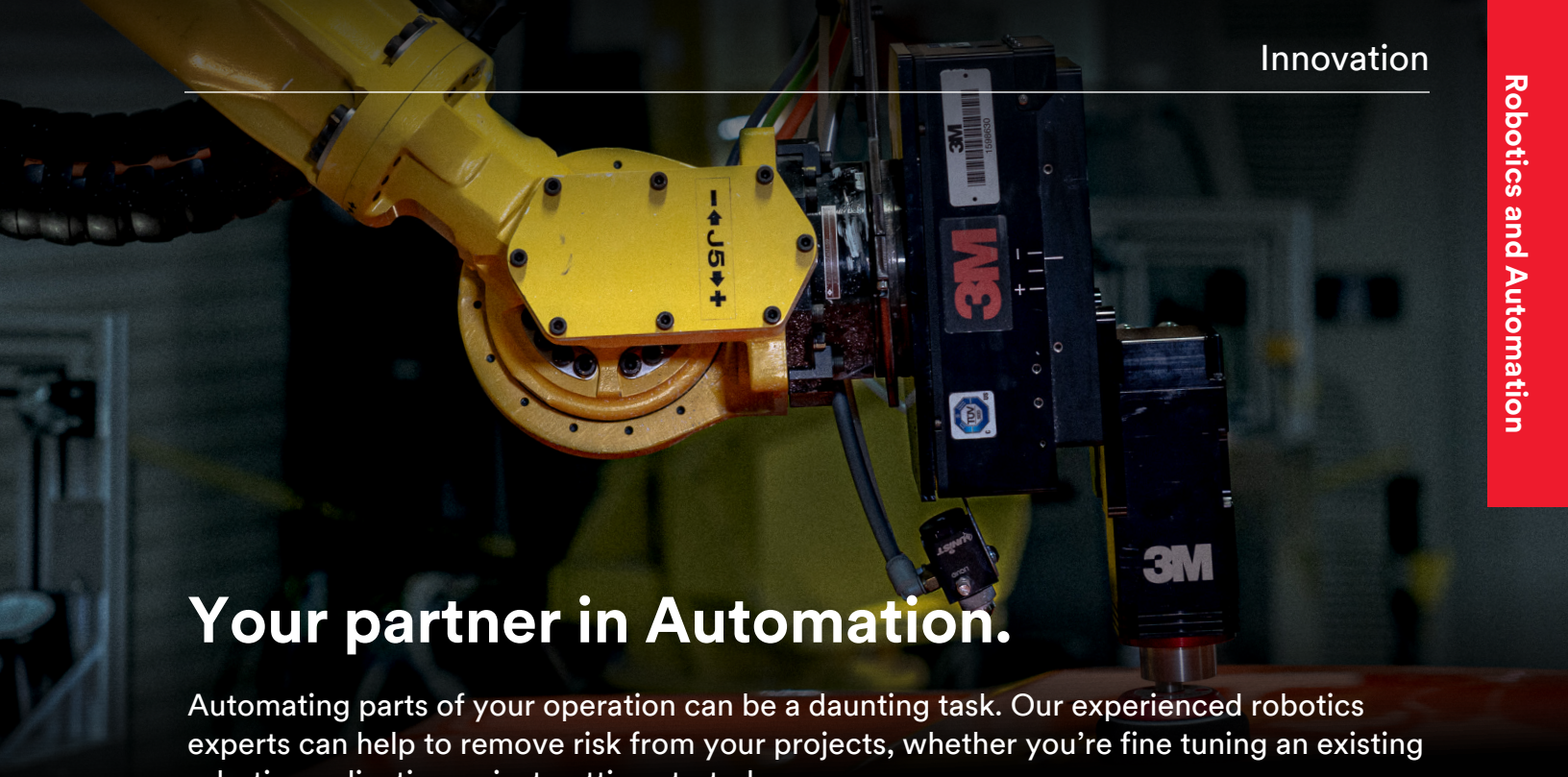
Why should you come to the 3M Customer Abrasive Methods (CAM) Center?

- Experience our 30,000 square foot facility with over 80 grinding and finishing machines that simulate a range of industry applications.
- Discover how our application engineering experts work with you to improve your processes through innovative solutions.
- Elevate your skills through abrasive process training and development.
- Attend key events with industry experts.
- Engage in process development using fixed automation and robotics.
- Gather proof of concept support and process recommendations on customer parts.

Contact Us

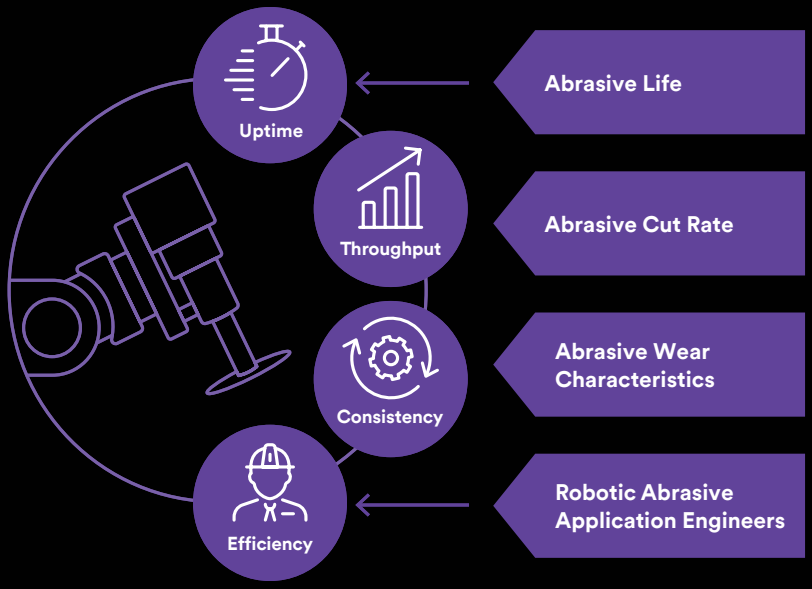
Looking for support? Our dedicated team of abrasive specialists are excited to collaborate with you to improve your throughput and quality with our latest technologies.

Scan the QR code or visit us at http://go.3M.com/NZAbrasives to find your nearest abrasive specialist.



Your partner in Automation.

Automating parts of your operation can be a daunting task. Our experienced robotics experts can help to remove risk from your projects, whether you're fine tuning an existing robotic application or just getting started.



- **Products engineered with automation in mind.**
- **Connect with our Robotics experts today.**

3M Process Expertise

30+ years of abrasive automation expertise

100+ years of abrasive expertise

Globally Located application engineers dedicated to developing your ideal robotic and automation abrasive process; facilities with feasibility testing

Scan the QR code to learn more about 3M Abrasive Robotics and Automation or visit: 3M.com/Robotics and *"Ask and Expert"*.

3M Science. Applied to Life.™

3M Abrasives

Customer Story



> "We quickly realized we couldn't afford to use anything else but 3M™ Cubitron™ 3"

Graham Hanks
Production Manager at Reddish Electroplating

60% LESS Abrasives Used

Reddish Electroplating Ltd

Image: Tom Gibson – Professional Metalworker

About the company

Specializing in industrial hard chrome plating for engineering applications on cast steel and stellite alloy substrates, Reddish Electroplating had a time and finish critical process they wanted to optimize in order to satisfy their increasing workload while maintaining the high finish standards they have become known for amongst their customer base.

The Challenge

Graham Hanks, Production Manager, needed to find a faster way of removing the topcoat, machine marks, and welds down to sound metal before the chrome plating and subsequent finishing steps could be completed. The substrates they use are particularly hard to grind fast with speed and consistency.

The Solution

With support from a 3M Process Specialist, Graham oversaw a trial of 3M™ Cubitron™ 3 Fibre Discs on the 3M™ 1900W Angle Grinder and 3M™ Cubitron™ 3 Cloth Belts on his existing portable belt machines. The patented grain technology meant that even on these hard to grind substrates, the work got done faster and the scratch pattern left behind was more than good enough to chrome plate and polish to the desired finish specification.

Here's what Graham had to say:

"Tom is one of our most experienced metalworkers and his feedback was critical in our assessment of the trial. Once we saw the significant increase in through-put these products are capable of delivering, without compromising on our commitment to quality, we quickly realized we couldn't afford to use anything else but Cubitron 3. We now get twice the work done in half the time and the products are lasting at least twice as long. Cubitron 3 has transformed our process and supports our commitment to quality work."

"It's really helped make the grinding work easier as the abrasive disc is clearly working faster. The motor filter has reduced the amount of grinding debris getting into the motor, increasing its service life."

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www.3M.com/Cubitron3



What's New!

3M™ Cubitron™ 3 Abrasive products, re-engineered

3M™ Cubitron™ 3 Fibre Discs 1182C and 1187C

3M™ Cubitron™ 3 Fibre Disc 1182C



Up to

60%

Faster sustained cut rate
More total material removed
vs. 3M™ Cubitron™ 2 Fibre Disc 982C, 36+

Available in Various Sizes, turn to page 17 to find out more.

3M™ Cubitron™ 3 Portable Grinding and Cutting Wheels

A new era of heavy grinding and cutting: 3M™ Cubitron™ 3 Performance Abrasives.



Up to

3X

Longer Lasting

Elevated experience

Available in Various Sizes, turn to page 11 to find out more.

3M™ Cubitron™ 3 Cloth Belt 1184F

A new spin on saving time and labor costs.



Up to

40%

More material removed
compared to the previous 3M™ Cubitron™ 2 Belt 984F

Available in Various Sizes, turn to page 72 to find out more.

SEAM™
Sustainable European Abrasive Manufacturers

Sustainability matters to 3M Abrasives.

When you buy from the SEAM value chain, you are helping to build a sustainable future for our industry, for people and for the planet. 3M is a founding member of the SEAM abrasives manufacturers program and aligns to the world's highest standards of quality, safety and performance in a sustainable environment. We commit to transparency, accountability, innovation and progress. When buying from the SEAM value chain, customers are helping to build themselves a sustainable future.

Find out more at www.seam.earth



3M Xtract™ Clean Sanding Solutions

Imagine a cleaner workspace, where sanding is virtually dust-free and performance and dust extraction are not compromised. Now that's possible.

As you sand, dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system.

Cut the dust. Full system solution.

Tools designed for ease of use.

- Designed to be quieter, lighter and easier to operate
- Easy cleanup
- Helps reduce dust exposure
- Pneumatic and electric tool options available



Film
Greater tear resistance and edge retention

Available in Sizes 5", 6" and from Grades 80+ to 400+
Turn to page 54 to find out more.

3M Xtract™ Cubitron™ 2 Film Disc 775L
- Ideal for a wide variety of substrates and applications focused on stock removal
- Precision-shaped ceramic

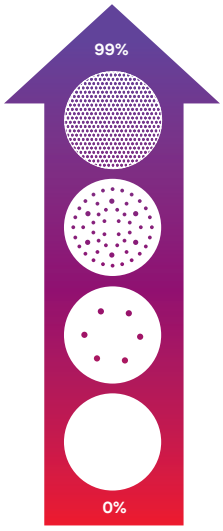


Net
For optimum dust extraction

Available in Sizes 5", 6" and from Grades 80+ to 320+
Turn to page 53 to find out more.

3M Xtract™ Cubitron™ 2 Net Disc 710W
- Starting point for all dust extraction applications
- Precision-shaped ceramic
- Optimum dust extraction
- Patented patterned abrasive
- Mineral coated directly to the net, making it our most open net backing product

Visit for more information about the 3M Xtract™ Solutions
3M Xtract™ Clean Sanding Solutions



Delivers up to
99%
dust extraction
with the right tools

Scotch-Brite™ Precision Surface Conditioning Discs

First of its kind.

- 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 make identification easier





COMBINED BENEFITS OF TWO 3M TECHNOLOGIES

For the first time, we merged 3M Precision-Shaped Grain with the nonwoven web technology of our surface conditioning products to quickly and effectively clean and finish surfaces **without** changing the geometry or dimension of the base material.

Look for the 3M Precision-Shaped Grain icon!

Expanded grades and variety of sizes to suit your application and substrate.



Finer Finish / Less Aggressive

Coarser Finish / More Aggressive

Attachments



Roloc™ TR



Roloc™ TS



Hook and Loop

Available in sizes ¾", 1", 1-½", 2", 3" and 4"
Turn to page 43 to find out more.

Available in sizes 4-½", 5", 6", and 7"
Turn to page 27 to find out more.

Visit 3M.com/ScotchBriteAbrasives to find out more.



Produce more. With less.



Right Angle Disc Systems

Choose the right disc for the job.

	Depressed Center Grinding Wheels	Cut and Grind Wheels	Cut-Off Wheels	Flap Discs	Fibre Discs
					
Cutting		●	●		
Notching		●			
Gouging	○	●			
Fillet Weld Removal	●	●			
Beveling	○	○		○	●
Flame Cut Smoothing	●	○		○	○
Scale Removal	●	○		○	○
Weld Removal	●	○		●	●
Contoured Areas				●	○

● Recommended application ○ Additional application

Do Not Use On Tools Without Guards.

3M™ Grinding and Cut-Off Wheel product performance comparisons





Attributes	Aluminum oxide	Alumina zirconia	3M™ Silver	3M™ Cubitron™ 3
Durability / life	★★	★★★	★★★★	★★★★★
Speed of cut	★	★★	★★★	★★★★★
Feel: smooth	★★	★★★	★★★★★	★★★★★
Contaminant-free* (for stainless/inox)	Varies	Varies	Yes	Yes
Mineral	Aluminum oxide	Alumina zirconia	Blend of Precision-Shaped Ceramic Grain	Precision-Shaped Ceramic Grain
Abrasive cost per job	$$$	$$	$	$$
Total cost of job (abrasive, labor, processes)	$$$$	$$$	$$	$

*Contains less than 0.1% Fe, S and Cl.

3M™ Depressed Center Grinding Wheels

3M™ Cubitron™ 3 Depressed Center Grinding Wheel – T27*



- Breakthrough proprietary molecular bonding technology
- Cuts with less pressure
- Specially formulated for use on stainless and mild steel
- Cool cutting

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T27			
7100303964	100mm x 6mm x 16mm	15,300	10/20
7100303983	115mm x 7mm x 22.23mm	15,300	10/20
7100303982	125mm x 7mm x 22.23mm	13,300	10/20
7100303980	180mm x 7mm x 22.23mm	12,250	10/20
7100303979	230mm x 7mm x 22.23mm	10,200	10/20

Make it a winning combination!

Pair this product with 3M™ Flap Disc 769F 60+



Winning Combinations

3M™ Silver Depressed Center Grinding Wheel*



- Designed for heavy grinding, beveling and weld removal
- May be used on a variety of substrates such as carbon steel and mill scale
- 3M Precision-Shaped Grain cuts exceptionally fast, helping increase productivity

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T27			
7100141123	100 × 7 × 16mm	15,300	10/20
7100141083	115 × 7 × 22mm	15,300	10/20
7100141086	125 × 7 × 22mm	13,300	10/20
7100141096	180 × 7 × 22mm	12,250	10/20
7100141099	230 × 7 × 22mm	10,200	10/20

3M™ Cubitron™ 2 Flexible Grinding Wheel

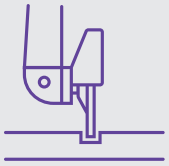
The 3M Cubitron II Flexible Grinding Wheels provide a faster cut and less than half the wear of our next-best flexible grinding wheel. The 3M-engineered Precision-Shaped Grain wears evenly, runs cool, and optimizes mineral breakdown, providing extra long life for wheel and tool. To be used with a flexible grinding back-up pad.



3M ID	Dia x Thk x AH (mm)	Grade	Max RPM	Qty/Case
T27				
7100097095	100 × 3 × 15.88	36+	15,300	10/20
7012802922	115 × 3 × 22.23	36+	13,300	10/20
7100126891	125 × 3 × 22.23	36+	12,250	10/20
7012802925	125 × 3 × 22.23	60+	12,250	10/20
7100118980	180 × 4 × 22.23	36+	8,500	10/20
7100118981	180 × 4 × 22.23	80+	8,500	10/20

Range Expansion

Specific product lines have been introduced where wheel construction and grain type are optimized for applications such as back gouging where the wheel is used on its edge.



*Do not use on tools without guards.

3M™ Cubitron™ 3 Cut & Grind Wheels

If you're looking for a simple, effective way to boost shop productivity, new 3M™ Cubitron™ 3 Cut & Grind Wheels are the answer! These versatile bonded wheels are designed to be used both like a depressed center grinding wheel and as a cut-off wheel — making them ideal for cutting, grinding, gouging and more.

3M™ Cubitron™ 3 Cut & Grind Wheels – T27*



- Breakthrough proprietary molecular bonding technology
- Versatile — can be used as both a grinding wheel and a cut-off wheel
- Optimized for use on mild steel and stainless steel — for cutting, gouging, beveling, notching and fillet weld removal

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T27			
7100305448	125mm X 3.2mm X 22.23mm	12,250	10/20
7100305450	100mm x 4.2mm x 15.88mm	15,300	10/20
7100305444	125mm x 4.2mm x 15.88mm	12,250	10/20
7100303972	180mm x 4.2mm x 15.88mm	8,500	10/20
7100303971	230mm x 4.2mm x 15.88mm	6,650	10/20

3M™ Silver Cut & Grind Wheels



3M™ Cut & Grind Wheels are engineered to help you get more work done for your dollar. They blast through tough jobs with a fast, smooth cut... with less pressure... and with less chatter on back gouging and root pass grinding. 3M Precision Shaped Grain technology slices through metal with super-sharp, microreplicated points for a cooler, faster and longer lasting cut than conventional abrasive grain. Plus, these long-lasting wheels need fewer changes, so you can power through the daily grind that much faster.

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T27			
7100214038	115 × 4.2 × 22.23mm	13,300	10/20
7100214085	125 × 4.2 × 22.23mm	12,250	10/20
7100214088	180 × 4.2 × 22.23mm	8,500	10/20
7100214089	230 × 4.2 × 22.23mm	6,650	10/20

We've reformulated our Cut & Grind Wheel composition to offer:

Smooth action vs. 3M™ Cubitron™ 2	Best in class performance	Better balance vs. 3M™ Cubitron™ 2





*Do not use on tools without guards.

3M™ Cut-Off Wheels

Durable and fast-cutting wheels for your toughest cutting applications. Run with 3M™ Cut-Off Wheel Tools for optimal performance.

3M™ Cut-Off Wheels Selection Guide



Type 1

Product	Mineral Type	Type	Performance
3M™ Cubitron™ 3	Precision-Shaped Grain	T1	Premium
		T27	Premium
3M™ Silver	Precision-Shaped Grain Blend	T1	Advanced
		T27	Advanced

Performance enhancing packaging

When cut-off wheels are properly protected from atmospheric moisture, product life can be extended by up to 66%.[4] All 3M™ Cubitron™ 3 Cut-Off Wheels will come in re-sealable bags made of recycled (>30% PCR content) and/or chemically recyclable material.

3M™ Cubitron™ 3 Cut-Off Wheels – T1



- Premium performance
- 3M Precision-Shaped Grain for ultra-fast cool cutting action and long life
- Cuts with less pressure
- Cool cutting
- Specially formulated for use on stainless and mild steel
- Breakthrough proprietary molecular bonding technology designed with sharp, angular structures that continuously fracture to form sharp points

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T1			
7100304306	125mm x 1mm x 22.23mm	12,250	25/50
7100304304	125mm x 1.3mm x 22.23mm	12,250	25/50
7100303829	125mm x 1.6mm x 22.23mm	12,250	25/50
7100303999	180mm x 2mm x 22.23mm	8,500	25/50
7100303998	230mm x 2mm x 22.23mm	6,650	25/50

3M™ Silver Cut-Off Wheel – T1



- Designed to quickly cut through metal pipes, tubes, flat sheets and more
- Exceptional durability extends the life of the wheel for great performance value
- 3M Precision-Shaped Grain cuts exceptionally fast, helping increase productivity
- May be used on a variety of substrates such as carbon steel

3M ID	Dia x Thk x AH (mm)	Max RPM	Min/Case
T1			
7100172812	100 × 1 × 16mm	15,300	25/50
7100172890	115 × 1 × 22mm	13,300	25/50
7100172891	125 × 1 × 22mm	12,250	25/50
7100172726	180 × 2 × 22mm	8,500	25/50
7100171372	115 × 2.5 × 22mm	13,300	25/50
7100172724	125 × 1.6 × 22mm	12,250	25/50
7100171308	125 × 2.5 × 22mm	12,250	25/50
7100171349	180 × 2.5 × 22mm	8,500	25/50
7100171348	230 × 2.5 × 22mm	6,650	25/50

Make it a winning combination!

Pair this product with Scotch-Brite™ Deburr and Finish PRO Unitized Wheel – T27



Winning Combinations

Sustainability matters to 3M Abrasives.

When you buy from the SEAM value chain, you are helping to build a sustainable future for our industry, for people and for the planet.

3M is a founding member of the SEAM abrasives manufacturers program and aligns to the world's highest standards of quality, safety and performance in a sustainable environment. We commit to transparency, accountability, innovation and progress.

When buying from the SEAM value chain, customers are helping to build themselves a sustainable future.

SEAM™
Sustainable European Abrasive Manufacturers

Find out more at www.seam.earth

For safe applications using cut-off wheels, refer to ANSI B-7.1 for details. **Always** use appropriate wheel guards. Refer to ANSI B-186.1 for guarding requirements.

3M™ Fibre Discs

Choose the performance level that fits your needs with a complete offering of 3M™ Fibre Discs. Get great performance at a great price with the 3M™ Fibre Disc 782C. Or, set a new standard for productivity with 3M™ Cubitron™ 3 Fibre Disc 1182C. All of 3M's fibre discs are available in a variety of sizes.

Industries: ▸ Metal fabrication ▸ Machinery manufacturing ▸ Shipyards



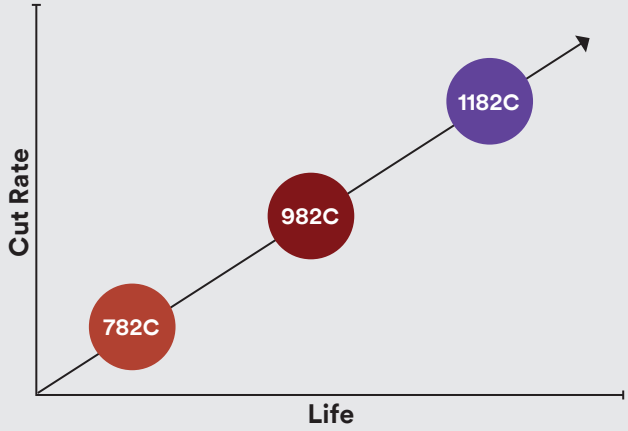




Selection Guide for Carbon Steel

For fast cutting when grinding and blending carbon steel.

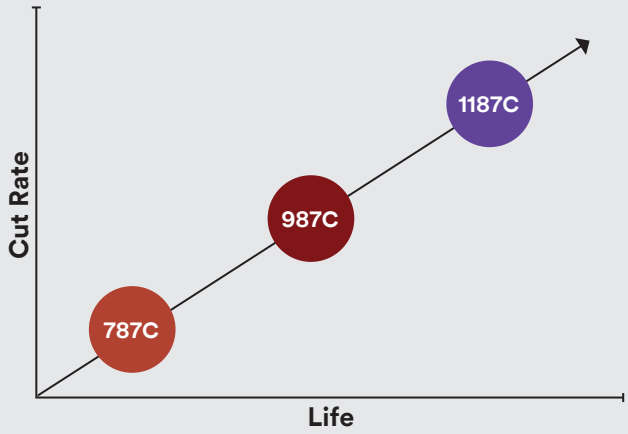
Product	Mineral Type	Performance
3M™ Cubitron™ 3 Fibre Disc 1182C	Precision-Shaped Grain	Premium
3M™ Cubitron™ 2 Fibre Disc 982C	Precision-Shaped Grain	Premium
3M™ Fibre Disc 782C	Precision-Shaped Grain	Advanced
See digital catalog for additional product skus.		



Selection Guide for Stainless Steel or Aluminum

For fast cutting when grinding and blending stainless steel or aluminum.

Product	Mineral Type	Performance
3M™ Cubitron™ 3 Fibre Disc 1187C	Precision-Shaped Grain	Premium
3M™ Cubitron™ 2 Fibre Disc 987C	Precision-Shaped Grain	Premium
3M™ Fibre Disc 787C	Precision-Shaped Grain	Advanced
See digital catalog for additional product skus.		



3M™ Cubitron™ 3 Fibre Discs



3M™ Cubitron™ 3 Fibre Disc 1182C, 36+, 60+, 80+

- 3M's re-engineered Precision-Shaped Grain using a proprietary breakthrough method helps increase productivity and lower overall grinding costs
- Long lasting and faster cutting to help increase productivity
- Fewer changeouts needed and less downtime
- Designed to cut with less pressure
- Best in class for weld prep and removal on carbon steel applications

3M ID	Dia (mm)	Grade	Max RPM	Min/Case
7100309905	100mm x 16mm	36+		25/100
7100349563	100mm x 16mm	60+		25/100
7100349570	100mm x 16mm	80+		25/100
7100308530	115mm x 22mm	36+		25/100
7100349583	115mm x 22mm	60+		25/100
7100349564	115mm x 22mm	80+		25/100
7100308531	125mm x 22mm	36+		25/100
7100349498	125mm x 22mm	60+		25/100
7100349571	125mm x 22mm	80+		25/100
7100309794	180mm x 22mm	36+		25/100
7100349667	180mm x 22mm	60+		25/100
7100349585	180mm x 22mm	80+		25/100



3M™ Cubitron™ 3 Fibre Disc 1187C, 36+, 60+, 80+

- 3M's re-engineered Precision-Shaped Grain using a proprietary breakthrough method helps increase productivity and lower overall grinding costs
- Long lasting and faster cutting to help increase productivity
- Fewer changeouts needed and less downtime
- Designed to cut with less pressure
- Best in class for weld prep and removal on heat sensitive alloys such as stainless steel

3M ID	Dia (mm)	Grade	Max RPM	Min/Case
7100309798	100mm x 16mm	36+		25/100
7100349572	100mm x 16mm	60+		25/100
7100349573	100mm x 16mm	80+		25/100
7100309789	115mm x 22mm	36+		25/100
7100349586	115mm x 22mm	60+		25/100
7100349587	115mm x 22mm	80+		25/100
7100310794	125mm x 22mm	36+		25/100
7100349581	125mm x 22mm	60+		25/100
7100349590	125mm x 22mm	80+		25/100
7100309795	180mm x 22mm	36+		25/100
7100349679	180mm x 22mm	60+		25/100
7100349663	180mm x 22mm	80+		25/100

Tech Tips:

Combine with 3M™ Pneumatic Angle Grinder or Sander and 3M™ Disc Back-up Pad and set yourself up to a new level of productivity. Each component of this system has been engineered to optimize abrasive life, cut rate and consistency—helping to improve productivity and lower overall costs.

Get the full system advantage.



3M™ High Pressure Fibre Disc Back-up Pads 36+ or 3M™ Fibre Disc Back-up Pads 60+ & 80+

Keep discs in the closed, resealable foil bag to help maintain disc shape and quality when not in use.

Make it a winning combination!

Pair this product with Scotch-Brite™ Precision Surface Conditioning Discs (Extra Coarse), for an optimized two-step process for rapid grinding and finishing.



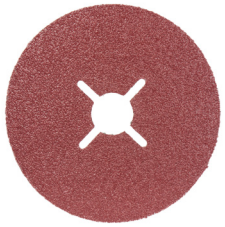
Winning Combinations

Find the product information on p. 27

Scan this QR code to learn more.

3M™ Cubitron™ 2 Fibre Discs

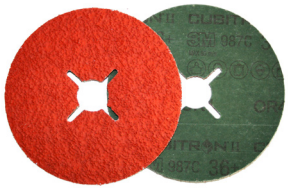
3M™ Cubitron™ 2 Fibre Disc 982C



- 3M Precision-Shaped Grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- For weld prep and removal on carbon steel applications

3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Min/Case
7000000400	100mm x 16mm CH	36+	15,300	25/100
7010300130	100mm x 16mm CH	60+	15,300	25/100
7010362292	100mm x 16mm CH	80+	15,300	25/100
7000028192	115mm x 22mm CH	36+	13,300	25/100
7000028194	115mm x 22mm CH	60+	13,300	25/100
7000028196	115mm x 22mm CH	80+	13,300	25/100
7000028191	125mm x 22mm CH	36+	12,250	25/100
7000028195	125mm x 22mm CH	60+	12,250	25/100
7000028197	125mm x 22mm CH	80+	12,250	25/100
7000028201	180mm x 22mm CH	36+	8,500	25/100
7000028203	180mm x 22mm CH	60+	8,500	25/100
7000028204	180mm x 22mm CH	80+	8,500	25/100

3M™ Cubitron™ 2 Fibre Disc 987C



- 3M Precision-Shaped Grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- For weld prep and removal on heat-sensitive alloys such as stainless steel

3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Min/Case
7000000401	100mm x 16mm CH	36+	15,300	25/100
7010362293	100mm x 16mm CH	60+	15,300	25/100
7010308142	100mm x 16mm CH	80+	15,300	25/100
7000045159	115mm x 22mm CH	36+	13,300	25/100
7000045160	115mm x 22mm CH	60+	13,300	25/100
7000045161	115mm x 22mm CH	80+	13,300	25/100
7000028193	125mm x 22mm CH	36+	12,250	25/100
7000028199	125mm x 22mm CH	60+	12,250	25/100
7000028200	125mm x 22mm CH	80+	12,250	25/100
7000045188	180mm x 22mm CH	36+	8,500	25/100
7000045186	180mm x 22mm CH	60+	8,500	25/100
7000045187	180mm x 22mm CH	80+	8,500	25/100

Tech Tips:

Weld Blending Mild Steel for Paint Prep

Step 1 Fibre Disc 982C Grade 36+

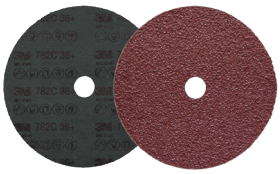
Step 2 Scotch-Brite™ Light Grinding and Blending Disc SD on black ribbed pad

Step 3 Apply 3 mil paint

Results Increase productivity; reduce abrasive cost

3M™ Fibre Discs

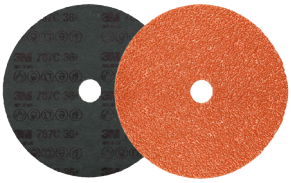
3M™ Fibre Disc 782C for Carbon Steel



- Ideal choice for carbon steel
- Offer a faster cut and longer life than alumina zirconia (AZ) and conventional ceramic abrasives
- These discs also require less grinding pressure for easier operation

3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Qty/Case
7100099264	100mm x 16mm	36+	15,300	25/100
7100099249	100mm x 16mm	60+	15,300	25/100
7100099092	100mm x 16mm	80+	15,300	25/100
7100099545	115mm x 22mm	36+	13,300	25/100
7100099250	115mm x 22mm	60+	13,300	25/100
7100099576	125mm x 22mm	36+	12,250	25/100
7100099094	125mm x 22mm	60+	12,250	25/100
7100099095	125mm x 22mm	80+	12,250	25/100
7100099284	180mm x 22mm	36+	8,500	25/100
7100099091	180mm x 22mm	60+	8,500	25/100
7100099237	180mm x 22mm	80+	8,500	25/100

3M™ Fibre Disc 787C for Stainless Steel Non-Ferrous Metals

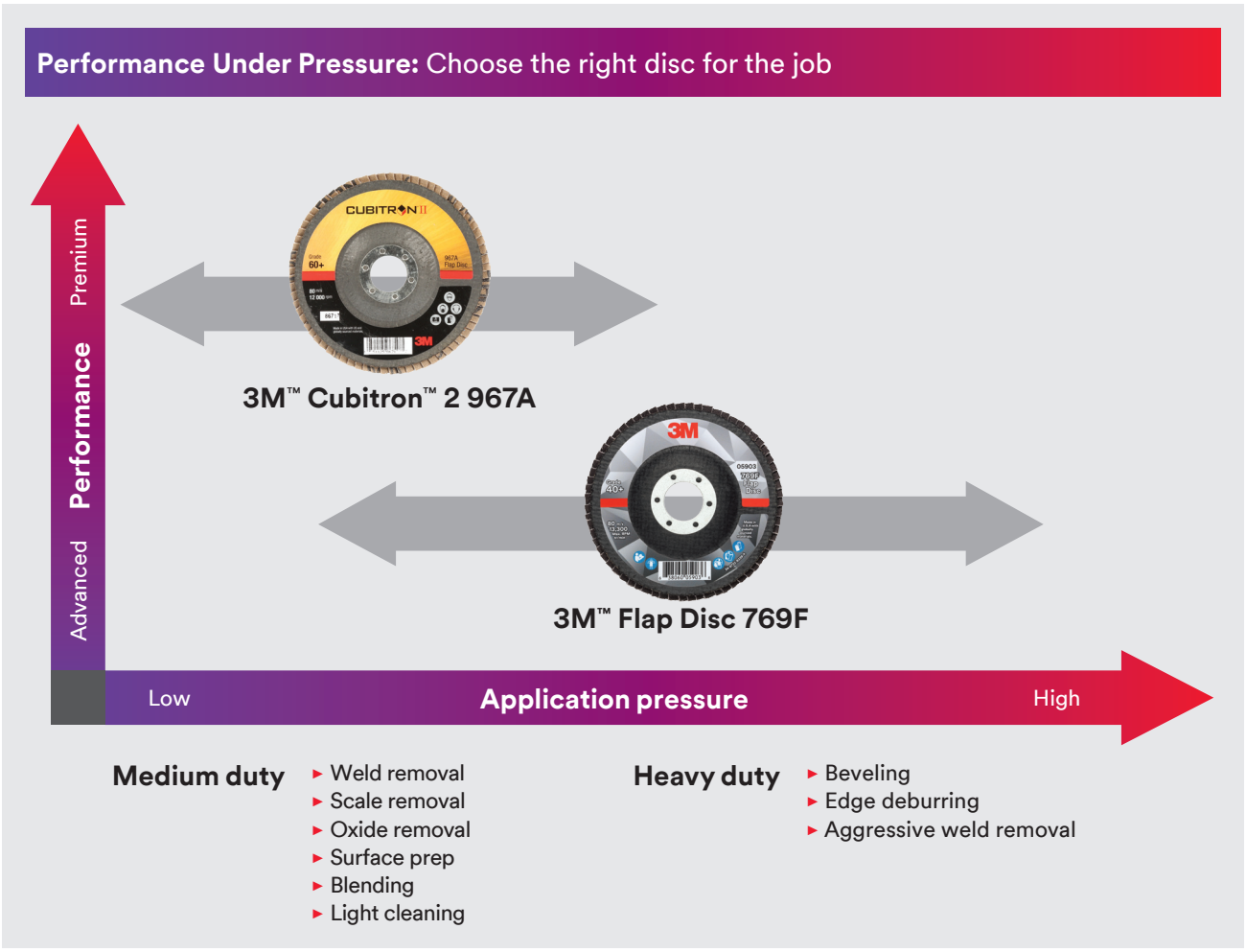


- Optimized for stainless steel and non-ferrous metals like aluminum and titanium
- Cuts cooler, faster and lasts longer than conventional ceramic discs in applications like weld removal, beveling, edge chamfering and more
- Key Product Highlights:
  - Made with 3M Precision-Shaped Grain, for outstanding speed and long life
  - Great for grinding, weld removal, beveling and edge chamfering
  - Cuts cooler, faster and longer than alumina zirconia (AZ) and conventional ceramic abrasives

3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Qty/Case
7100099238	100mm x 16mm	36+	15,300	25/100
7100099258	100mm x 16mm	60+	15,300	25/100
7100099252	100mm x 16mm	80+	15,300	25/100
7100099241	100mm x 16mm	120+	15,300	25/100
7100099260	115mm x 22mm	60+	13,300	25/100
7100099254	115mm x 22mm	80+	13,300	25/100
7100099791	115mm x 22mm	120+	13,300	25/100
7100099788	125mm x 22mm	36+	12,250	25/100
7100099245	125mm x 22mm	60+	12,250	25/100
7100099256	125mm x 22mm	80+	12,250	25/100
7100099546	125mm x 22mm	120+	12,250	25/100
7100099257	180mm x 22mm	36+	8,500	25/100
7100099247	180mm x 22mm	60+	8,500	25/100
7100099240	180mm x 22mm	80+	8,500	25/100
7100099243	180mm x 22mm	120+	8,500	25/100

3M™ Flap Discs

3M™ Flap Discs offer an unbeatable system for grinding and blending in one easy step. The construction wears away, exposing fresh mineral to extend disc life and provide consistent cut rates. Great for weld grinding, blending, deburring, rust removal, surface prep and edge grinding on all types of metals.



Note: All Flap Wheels need to be run with guards.

3M™ Flap Discs

3M™ Cubitron™ 2 Flap Discs 967A

- Made with revolutionary 3M Precision-Shaped Grain
- Grinds and blends in a single step
- Flexible to follow curves and contours
- Constructed with a poly-cotton backing that exposes fresh mineral as it wears, for a fast, forgiving cut







3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Qty/Case
7000104360	115 X 22.23mm	60+	13,300	10
7000104361	115 X 22.23mm	80+	13,300	10
7100011310	125 X 22.23mm	40+	12,250	10
7100011144	125 X 22.23mm	60+	12,250	10
7100011569	125 X 22.23mm	80+	12,250	10
7000104365	180 X 22.23mm	40+	8,600	10
7000104366	180 X 22.23mm	60+	8,600	10
7000104367	180 X 22.23mm	80+	8,600	10

3M™ Flap Discs 769F

- Fast, consistent cut and long life
- Ideal for a range of medium- and heavy-duty applications
- Smooth “feel” for operator comfort and ease of use
- Durable polyester backing





3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Qty/Case
7100196818	115 X 22.23mm	40+	13,300	10
7100196816	115 X 22.23mm	60+	13,300	10
7100196789	115 X 22.23mm	80+	13,300	10
7100196539	115 X 22.23mm	120+	13,300	10
7100196812	125 X 22.23mm	40+	12,250	10
7100196797	125 X 22.23mm	60+	12,250	10
7100196791	125 X 22.23mm	80+	12,250	10
7100196815	125 X 22.23mm	120+	12,250	10
7100197061	180 X 22.23mm	40+	8,600	5
7100196798	180 X 22.23mm	60+	8,600	5
7100196794	180 X 22.23mm	80+	8,600	5
7100196793	180 X 22.23mm	120+	8,600	5

Make it a winning combination!

Pair this product with Scotch-Brite™ Precision Surface Conditioning Discs (Extra Coarse), for an optimized two-step process for rapid grinding and finishing.



Winning Combinations

Find the product information on p. 27

A word about wear.

The life and cut of a flap disc is determined by how quickly the backing wears away to expose new mineral. If it wears too quickly, it can significantly shorten the disc life. But if it doesn’t wear properly, the disc might stop cutting altogether. The backing in 3M™ Flap Disc 769F is designed to wear just the right amount to provide consistent cut over a wide range of medium- and heavy-duty applications. The backing combined with the power of 3M Precision-Shaped Grain, helps 3M™ Flap Disc 769F outperform competition — at a value price!



TECH TIP:

Flap discs typically provide a finish one grade finer than the same grade of fibre disc.

Note: All Flap Wheels need to be run with guards.

Scotch-Brite™ Discs

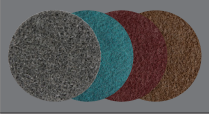
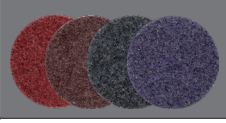
Make tough jobs easier. Scotch-Brite™ Discs can help you achieve a burr-free, paintable finish in fewer steps. The nonwoven, open web and durable construction is designed to resist loading and greatly increase the life of the disc. As a result, you will not have to change it as often. However, when you do change your disc, the Roloc™ attachment or Hook and Loop attachment makes it fast and easy.



Scotch-Brite™ Surface Conditioning Discs

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: Polish	Clean	Radius	Finish	Refine	Durable: Blend	Deburr and Edge Break	Grind	Substrates	Mineral
Multipurpose	Precision 	VFN, CRS, FIN, XCRS, MED	✓	✓	✓	✓	✓	✓	✓	✓* (*CRS / XCRS)	*Can vary by grade* Stainless Steel, Aluminum, Mild Steel, Titanium, Nickel Alloys	PSG — 3M Precision-Shaped Grain
Multipurpose	SC 	SFN, VFN, MED, CRS	✓	✓	✓	✓	✓	✓			Stainless Steel, Aluminum, Mild Steel, Titanium, Nickel Alloy	A/O + SiC — Aluminum oxide/Silicon carbide
Heavy Duty	Precision HD 	MED, CRS, XCRS, XXCRS				✓	✓	✓	✓	✓	*Can vary by grade* Stainless Steel, Aluminum, Mild Steel, Titanium, Nickel Alloys	PSG — 3M Precision-Shaped Grain

SFN Super Fine · VFN Very Fine · FIN Fine · MED Medium · CRS Coarse · HD-CRS Heavy Duty Coarse · SD-CRS Super Duty · XCRS Extra Coarse

Scotch-Brite™ Discs: Clean and Strip

Choose your Cut.

XT PRO	BOTH	XT PRO EXTRA CUT
- Rust, paint, light mill scale removal - Maintains workpiece shape - Low sparking - Ideal for surface prep - Made with silicon carbide mineral	- Rapid coating removal and surface prep - Decreased chunking — extended life - Highly conformable - High speed rating	- Heavy rust / rust pit removal without leaving divots - Thick paint and coating removal - Weld refinement and removing weld discoloration - Cuts to bare metal quickly - Ideal for adhesion prep - Made with aluminum oxide mineral

Scotch-Brite™ Clean and Strip XT Pro Discs (Purple) Silicon Carbide



- Quickly removes rust, paint, mill scale and coatings from metal
- High-strength fiber resists chunking and performs well on edges
- High conformability provides a larger contact patch for faster removal rates
- Silicon carbide mineral cuts aggressively and leaves a fine finish

3M ID	Dia x AH (mm)	Grade	Max RPM	Min/ Case
7012884571	100mm x 16mm	S XCS		5
7012884697	115mm x 22mm	S XCS		5
7012871075	125mm x 22mm	S XCS		5
7012877501	178mm x 22mm	S XCS		5

Scotch-Brite™ Clean and Strip XT Pro Extra Cut Discs (Green) Aluminium Oxide



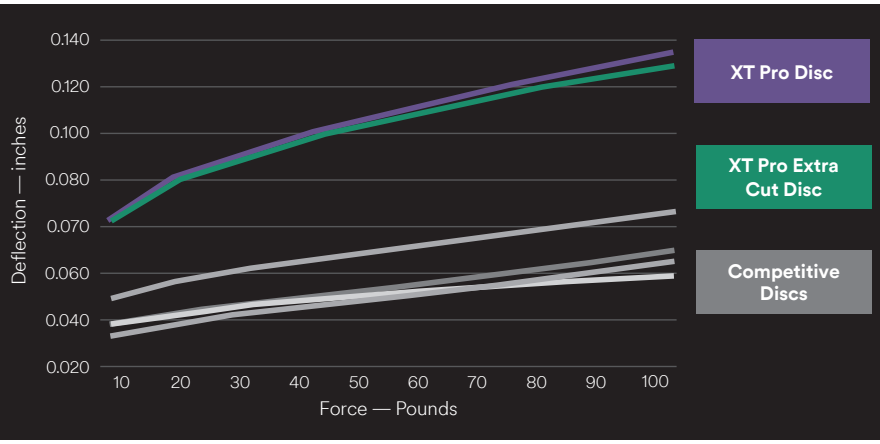
- Quickly removes heavy rust, thick paint, corrosion and cleans welds
- Aluminum oxide mineral aggressively removes top layer and cleans to the bare metal underneath
- High conformability provides a larger contact patch for faster removal rates
- High-strength fiber resists chunking and performs well on edges

3M ID	Dia x AH (mm)	Grade	Max RPM	Min/ Case
7012867000	100mm x 16mm	A XCS		5
7012880649	115mm x 22mm	A XCS		5
7012872600	125mm x 22mm	A XCS		5
7012867723	178mm x 22mm	A XCS		5

Conformability Test

Better contact for faster removal

Scotch-Brite™ Clean and Strip XT Pro and XT Pro Extra Cut consistently demonstrate higher conformability.



Scotch-Brite™ Clean and Strip Disc

General purpose discs, the non-woven black and blue are a safe alternative to wire brushes, offering a greater surface area which leaves a finer finish and may eliminate the need for subsequent finishing steps.



3M ID	Dia x AH (mm)	Grade	Colour	Max RPM	Min/Case
7012885118	60mm x 13mm	S XCRS	Black	12,000	
7012886343	60mm x 25mm	S XCRS	Black	12,000	
7012882221	100mm x 16mm	A XCS	Black	11,000	5
7012884338	115mm x 22mm	A XCS	Black	10,000	5
7012868385	125mm x 22mm	A XCS	Black	9,000	5
7012882454	178mm x 22mm	A XCS	Black	8,500	5

3M ID	Dia x AH (mm)	Grade	Colour	Max RPM	Min/Case
7000077890	75mm x 13mm	S XCRS	Blue	10,000	
7000077935	75mm x 25mm	S XCRS	Blue	10,000	
7100093975	100mm x 13mm	S XCRS	Blue	8,000	
7000077901	100mm x 25mm	S XCRS	Blue	8,000	
7100093983	150mm x 13mm	S XCRS	Blue	6,000	
7000077916	150mm x 25mm	S XCRS	Blue	6,000	

Make it a winning combination!

Use this to follow 3M™ Cubitron™ 3 Fibre Disc 1182C +



Winning Combinations

Scotch-Brite™ Clean and Strip Discs (Centre Hole)

Scotch-Brite™ Clean and Strip Discs are an open-web discs engineered to effectively clean welds, remove rust and strip paint. The open construction and aggressive abrasive properties provide a smooth running disc that resists loading. The non-woven disc is a safe alternative to wire brushes, offers a greater surface area and leaves a finer finish, which may eliminate the need for subsequent finishing steps. Mount using a 3M mandral

Scotch-Brite™ Clean & Strip Pro Disc



Sharp silicon carbide mineral and re-engineered web makes a durable disc that won't damage the base metal. Low sparking and perfect for light mill scale removal.

3M ID	Size	Grade	Colour	Max RPM
7100176153	100mm x 6mm	S XCRS	Purple	9,000

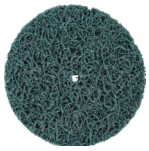
Scotch-Brite™ Clean & Strip Disc



A general purpose disc, the non-woven black is a safe alternative to wire brushes, offering a greater surface area which leaves a finer finish and may eliminate the need for subsequent finishing steps

3M ID	Size	Grade	Colour	Max RPM
7012882687	100mm x 6mm	S XCRS	Black	6,000
7012887237	150mm x 12mm	S XCRS	Black	4,000

Scotch-Brite™ Clean & Strip Pro Extra Cut Disc



Hard aluminium oxide mineral and re-engineered web makes a durable disc that cuts to bare metal quickly.

3M ID	Size	Grade	Colour	Max RPM
7012880054	100mm x 6mm	A XCRS	Green	9,000

Scotch-Brite™ Discs: Multi-Purpose

Scotch-Brite™ Precision Surface Conditioning Disc: Hook and Loop

- Expanded grade range allows these new discs to cover blending, cleaning, deburring, finishing, grinding, polishing, radiusing and refining applications
- Built with 3M Precision-Shaped Grain for increased cut rate without sacrificing finish
- Great for use on aluminum and soft metals, carbon steel, stainless steel and more



3M ID	Dia x Ctr Hole (mm)	Grade	Color	Max RPM	Min/ Case
Hook and Loop					
7100271029	100 × 16mm	A XCRS	Grey	13,330	100
7100263650	100 × 16mm	A CRS	Maroon	13,330	100
7100263649	100 × 16mm	A MED	Red	13,330	100
7100263651	100 × 16mm	A FIN	Green	13,330	100
7100263663	100 × 16mm	A VFN	Blue	13,330	100
7100263887	115 × 22mm	A XCRS	Grey	13,330	50
7100263886	115 × 22mm	A CRS	Maroon	13,330	100
7100263885	115 × 22mm	A MED	Red	13,330	100
7100263884	115 × 22mm	A FIN	Green	13,330	100
7100263883	115 × 22mm	A VFN	Blue	13,330	100
7100263892	125 × 22mm	A XCRS	Grey	12,000	100
7100263891	125 × 22mm	A CRS	Maroon	12,000	100
7100263890	125 × 22mm	A MED	Red	12,000	100
7100263889	125 × 22mm	A FIN	Green	12,000	100
7100263888	125 × 22mm	A VFN	Blue	12,000	100
7100271025	180 × 22mm	A XCRS	Grey	8,600	100
7100263895	180 × 22mm	A CRS	Maroon	8,600	100
7100263894	180 × 22mm	A MED	Red	8,600	100
7100263893	180 × 22mm	A FIN	Green	8,600	100
7100271024	180 × 22mm	A VFN	Blue	8,600	100

3M ID	Dia x Ctr Hole (mm)	Grade	Color	Max RPM	Min/ Case
Roloc (TR)					
7100264091	50mm	A XCRS	Grey	25,000	200
7100264090	50mm	A CRS	Maroon	25,000	200
7100264089	50mm	A MED	Red	25,000	200
7100264174	50mm	A FIN	Green	25,000	200
7100264173	50mm	A VFN	Blue	25,000	200
7100264198	75mm	A XCRS	Grey	20,000	100
7100264197	75mm	A CRS	Maroon	20,000	100
7100264196	75mm	A MED	Red	20,000	100
7100264195	75mm	A FIN	Green	20,000	100
7100264194	75mm	A VFN	Blue	20,000	100

Make it a winning combination!

Pair this product with 3M™ Cubitron™ 3 Fibre Disc 1182C, 36+ to reduce steps while grinding welds and prepping for paint.



Winning Combinations

Find the product information on p. 17

Scotch-Brite™ Discs: Multi-Purpose

Scotch-Brite™ SC Surface Conditioning Discs:
Hook and Loop



- Aluminum oxide
- Great general purpose surface conditioning disc
- For finishing, cleaning, and light deburring
- Attach and remove easily to 3M™ Hook and Loop Backup Pads
- Use with right angle and random orbital tools

3M ID	Dia x Ctr Hole (mm)	Grade	Color	Max RPM	Min/Case
Hook and Loop					
7010309684	100 × 16mm	A CRS	Brown	25,000	200
7010365505	100 X 16mm	A MED	Maroon	25,000	200
7010329309	100 X 16mm	A VFN	Blue	25,000	200
7100141901	115 X 22mm	A CRS	Brown	23,000	50/200
7100141900	115 X 22mm	A MED	Maroon	23,000	50/200
7100141922	115 X 22mm	A VFN	Blue	23,000	50/200
7010299344	125 X 22mm	A CRS	Brown	23,000	50/200
7010365513	125 X 22mm	A MED	Maroon	20,000	25/100
7010329314	125 X 22mm	A VFN	Blue	20,000	100
7010309687	125 X 22mm	S SFN	Grey	20,000	100
7010329315	180 X 22mm	A CRS	Brown	20,000	100
7000121098	180 X 22mm	A MED	Maroon	13,000	100
7010365514	180 X 22mm	A VFN	Blue	13,000	100
7010365516	180 X 22mm	S SFN	Grey	13,000	25/100
7012872224	125mm X NH	A CRS	Brown	13,000	100
7012883586	180mm X NH	A CRS	Brown	13,000	100
7010299344	180mm X NH	A MED	Maroon	13,000	50

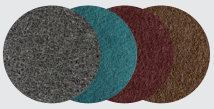
Make it a winning combination!

Pair this product with
3M™ Cubitron™ 3 Fibre Disc 1187C



Winning Combinations

Finishing Guide by Substrate

				Substrate Roughness Average (RA)		
	Scotch-Brite™ Surface Conditioning Discs	Mineral	Grade	1018 Mild Steel µin (micron)	304 Stainless Steel µin (micron)	6061 Aluminum µin (micron)
Multipurpose	Precision 	PSG 3M Precision-Shaped Grain	VFN	11 – 15 (0.2 – 0.4)	9 – 11 (0.2 – 0.3)	23 – 38 (0.5 – 1.0)
			FIN	16 – 23 (0.4 – 0.6)	14 – 17 (0.3 – 0.5)	34 – 53 (0.8 – 1.4)
			MED	21 – 37 (0.5 – 1.0)	19 – 23 (0.4 – 0.6)	65 – 75 (1.6 – 2.0)
			CRS	40 – 51 (1.0 – 1.3)	21 – 27 (0.5 – 0.7)	69 – 84 (1.7 – 2.2)
			XCRS	42 – 53 (1.2 – 1.9)	36 – 54 (0.9 – 1.4)	121 – 140 (3.0 – 3.6)
	SC 	A/O + SiC Aluminum oxide/ Silicon carbide	SFN	N/A	5 – 7 (0.1 – 0.2)	16 – 22 (0.4 – 0.6)
			VFN	10 – 14 (0.2 – 0.4)	8 – 9 (0.2 – 0.3)	20 – 25 (0.5 – 0.7)
			MED	12 – 17 (0.3 – 0.5)	19 – 23 (0.4 – 0.6)	34 – 45 (0.8 – 1.2)
			CRS	17 – 29 (0.4 – 0.8)	25 – 31 (0.6 – 0.8)	62 – 84 (1.5 – 2.2)
Heavy duty	Precision HD 	PSG 3M Precision-Shaped Grain	VFN	10 – 24 (0.2 – 0.7)	16 – 21 (0.4 – 0.6)	37 – 52 (0.9 – 1.4)
			FIN	21 – 28 (0.5 – 0.8)	19 – 24 (0.4 – 0.7)	64 – 97 (1.6 – 2.5)
			MED	46 – 57 (1.1 – 1.5)	36 – 43 (0.9 – 1.1)	72 – 113 (1.8 – 2.9)
			CRS	32 – 54 (0.8 – 1.4)	33 – 42 (0.8 – 1.1)	90 – 110 (2.2 – 2.8)
			XCRS	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™ Discs: Heavy Duty Applications

Scotch-Brite™ Precision Heavy Duty Surface Conditioning Discs



- Features 3M Precision-Shaped Grain (PSG) for fast cut and long life
- Tough enough for heavy duty use
- Edge durability and shape retention during edge wear
- Made for use on aluminum, mild steel, nickel alloy, stainless steel and copper
- Available in MED(150+), CRS(120+), XCRS(80+), XXCRS(60+)

3M ID	Diameter (mm)	Grade	Max RPM	Qty/Case	
7100358887	100mm x 15.88mm	XXCRS	15,000	100	center hole
7100358861	100mm x 15.88mm	XCRS	15,000	100	center hole
7100358855	100mm x 15.88mm	CRS	15,000	100	center hole
7100359467	115mm x 22.22mm	XXCRS	13,300	50	center hole
7100359465	115mm x 22.22mm	XCRS	13,300	50	center hole
7100358856	115mm x 22.22mm	CRS	13,300	50	center hole
7100358896	115mm x 22.22mm	MED	13,300	50	center hole
7100359469	125mm x 22.22mm	XXCRS	12,000	50	center hole
7100359474	125mm x 22.22mm	XCRS	12,000	50	center hole
7100359468	125mm x 22.22mm	CRS	12,000	50	center hole
7100359473	125mm x 22.22mm	MED	12,000	50	center hole
7100359475	180mm x 22.22mm	XXCRS	8,600	25	center hole
7100358899	180mm x 22.22mm	XCRS	8,600	25	center hole
7100358886	180mm x 22.22mm	CRS	8,600	25	center hole

†Made-to-Order

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

Scotch-Brite™ Discs

Scotch-Brite™ Coating Removal Discs: Hook and Loop



- Extra coarse grade silicon carbide
- Made for right-angle tools from aggressive Clean and Strip web
- Non-loading design ideal for removing rust and coatings
- Mount on Hook and Loop Disc Pad Holders

3M ID	Diameter (mm)	Grade	Max RPM	Qty/Case
Hook and Loop				
7100359904	50mm	XXCRS	25,000	200
7100359477	50mm	XCRS	25,000	200
7100359489	50mm	CRS	25,000	200
7100359470	50mm	MED	25,000	200
7100359481	75mm	XCRS	20,000	100
7100359753	75mm	XXCRS	20,000	100
7100359491	75mm	CRS	20,000	100
7100359480	75mm	MED	20,000	100

*Bulk

Scotch-Brite™ HS Blend & Finish Discs



- Flexible and aggressive
- Tackles weld burn and refinement, light deburring and rust removal
- Produces a beautifully blended, burr-free finish

3M ID	Dia x Ctr Hole (mm)	Grade	Max RPM	Qty/Case
7000046258	150mm x 12mm	A MED	4,000	100

Scotch-Brite™ Deburr & Finish PRO Unitized Disc



- High performance and durability for deburring and finishing applications
- A layered, durable unitized disc construction

3M ID	Dia x Ctr Hole (mm)	Grade	Density	Max RPM	Qty/Case
T27					
7100081369	115mm x 22mm	MED+	6C	12,100	5

Scotch-Brite™ Radial Bristle Discs (to suit Angle Grinders)



- Easily remove paint, stains, adhesives, weld burn, rust and other surface contaminants from large areas
- The molded, abrasive-filled bristles strip, deburr, blend, finish, polish, clean and remove coatings more effectively, with less pressure than wire brushes.

3M ID	Diameter x AH (mm)	Grade	Color	Max RPM	Qty/Case
7100138181	115 × 15.88mm INT	36	Brown	12,000	10
7100138173	115 × 15.88mm INT	50	Green	12,000	10
7100138174	115 × 15.88mm INT	80	Yellow	12,000	10
7100138175	115 × 15.88mm INT	120	White	12,000	10

Scotch-Brite™ Discs

Scotch-Brite™ Radial Bristle Brushes

Scotch-Brite™ Bristle Discs use our proprietary ceramic abrasive grain blended with aluminum oxide and molded into flexible bristles. They provide more surface contact than wire brushes and maintain abrasive property throughout the life of the brush. Our brush removes paint, stains, adhesives, weld burns, rust, heavy oxides and surface contaminants.



Order Code	Size (mm)	Grade	Colour	Type	Max. RPM
7100138290	150mm x 12mm x 25mm	P36	Brown	Angle	6,000
7100138347	150mm x 12mm x 25mm	P50	Green	Angle	6,000
7100138291	150mm x 12mm x 25mm	P80	Yellow	Angle	6,000
7100138300	150mm x 12mm x 25mm	P80	Yellow	Curve	6,000
7100138298	150mm x 12mm x 25mm	P120	White	Curve	6,000
7100138332	203mm x 25mm x 30mm	P50	Green	Straight	6,000
7100138333	203mm x 25mm x 30mm	P80	Yellow	Straight	6,000
7100138334	203mm x 25mm x 30mm	P120	White	Straight	6,000
7100138338	203mm x 25mm x 30mm	P120	White	Curve	6,000
7100138335	203mm x 25mm x 30mm	P220	Red	Curve	6,000

Scotch-Brite™ Radial Bristle Discs

3M Ribbed Back-Up Pads have a unique optimised rib pattern and is resistant to temperatures over 100 degrees celcius. Used in conjunction with 3M™ Cubitron™ 3 and 2 Fibre Discs this solution offers improved disc life and cut rate resulting in lower cost and higher throughput for the customer. The Red back-up pad is recommended for 36+ grades, requiring a boost in stock removal



Order Code	Size (mm)	Grade	Colour	Type	Max. RPM
7100138324	75mm x 9.5mm	P80	Yellow	Angle	25,000
7000000771	75mm x 9.5mm	P80	Yellow	Curve	20,000
7000000749	75mm x 9.5mm	P120	White	Angle	25,000
7100138296	75mm x 9.5mm	P120	White	Curve	20,000
7100138297	75mm x 9.5mm	P220	Red	Curve	20,000

Convolute Wheel

Scotch-Brite™ Multi-Finishing Wheel

Scotch-Brite™ Multi-Finishing Wheel is a convolute constructed wheel that provides cleaning and final finishing for stainless steel, aluminum, brass, copper, and other metals. The combination of mineral grades and soft density make the wheel well suited for final finishing applications where a high degree of conformability and less density are needed.



Order Code	Size (mm)	Grade	Colour	Max. RPM
7000136469	150mm x 25mm x 25mm	2S MED	Grey	6,000
7000045921	150mm x 50mm x 25mm	2S CRS	Black	6,000
7010329472	150mm x 50mm x 25mm	4S CRS	Black	6,000
7000045922	150mm x 50mm x 25mm	2S MED	Grey	6,000
7010365319	150mm x 50mm x 25mm	4S MED	Grey	6,000
7000028446	150mm x 50mm x 25mm	2S FIN	Grey	6,000

Scotch-Brite™ EXL Unitized Wheel

Scotch-Brite™ EXL Unitized Wheels feature a soft, conformable consistency that effectively smoothes, deburrs and finishes the edges of metal alloys, as well as many plastics and composites. There are a variety of densities and grades starting from a very soft 2 density for applications requiring a conformability to a hard, aggressive 8 density for maximum cut and durability.



Order Code	Size (mm)	Grade	Colour	Max. RPM
7010569277	150mm x 3mm x 25mm	8A CRS	Grey/Red	7,500
7010569278	150mm x 3mm x 25mm	6A MED	Grey/Red	7,500
7010569279	150mm x 6mm x 25mm	6A MED	Grey/Red	7,500
7000046080	150mm x 6mm x 25mm	2S FIN	Grey/Purple	5,000

Scotch-Brite™ EXL Deburring Wheel

Scotch-Brite™ EXL Deburring Wheel features a hard, dense consistency that quickly deburrs, finishes, and polishes all types of metals, composites, glass and leaves a smooth, clean surface. Its conformable characteristic makes the wheel ideal for deburring stamped or laser cut parts, or for finishing after belt sanding.



Order Code	Size (mm)	Grade	Colour	Max. RPM
7000000734	150mm x 25mm x 25mm	8A MED	Grey	6,000
7010690353	150mm x 25mm x 25mm	8S FN	Grey	6,000
7010690352	200mm x 25mm x 75mm	8S FIN	Grey	4,500
7000136515	200mm x 50mm x 75mm	9S FIN	Grey	4,500

Scotch-Brite™ Metal Finishing Wheel

Scotch-Brite™ Metal Finishing Wheel combines conformability with consistent abrasive cutting action to provide uniform brushed stainless and satin finishes. Our metal finishing wheel is also used effectively to blend and match #3 or #4 mill finishes on stainless steel and to create brushed or satin finishes on items such as cutlery, and high-end appliances.



Order Code	Size (mm)	Grade	Colour	Max. RPM
7000028438	150mm x 50mm x 25mm	4A CRS	Maroon	6,000
7010365659	150mm x 50mm x 25mm	4A MED	Maroon	6,000
7000045990	200mm x 50mm x 75mm	4A MED	Maroon	4,500

Scotch-Brite™ Light Deburring Wheel

Scotch-Brite™ Light Deburring Wheel is a smooth running, convolute constructed wheel that provides a clean system for light deburring, polishing, and finishing. We made this wheel with soft construction and smooth operation to require less effort by the operator than a harder wheel.



Order Code	Size (mm)	Grade	Colour	Max. RPM
7000000730	150mm x 25mm x 25mm	7S FIN	Grey	6,000
7010686812	150mm x 50mm x 25mm	7S FIN	Grey	6,000

Right Angle Accessories

3M™ High Pressure Fibre Disc Back Up Pads



3M Ribbed Back-Up Pads have a unique optimised rib pattern and is resistant to temperatures over 100 degrees celcius. Used in conjunction with 3M™ Cubitron™ 3 and 2 Fibre Discs this solution offers improved disc life and cut rate resulting in lower cost and higher throughput for the customer. The Red back-up pad is recommended for 36+ grades, requiring a boost in stock removal

3M ID	Part Number	Description	Diameter (mm)	Centre Hole Diameter (mm)	Thread Sizes	Colour	Density Rating	Max. RPM
7000032410	64861	Ribbed Face	125	22	M14-2.0INT or 5/8-11 INT	Red	Extra Hard	12,000
7000032411	64862	Ribbed Face	180	22	M14-2.0INT or 5/8-11 INT	Red	Extra Hard	8,500
7012885537	0066	Extended Retaining Nut	-	-	M14-2.0 INT	-	-	

3M™ Fibre Disc Back-up Pads (Black)



3M high performance back up pads come with both metric and imperial threaded retaining systems. An extended retaining nut should be used in conjunction with Scotch-Brite™ Clean and Strip Discs being mounted to metric threaded tools. The Black back-up pad is recommended for fibre discs in grades 60+, 80+ and 120+, where a finer finish is required.

3M ID	Part Number	Description	Diameter (mm)	Centre Hole Diameter (mm)	Thread Sizes	Colour	Density Rating	Max. RPM
7000008959	07312	Flat Face	100	16	M10-1.5 INT	Black	Hard	15,200
7000105441	09583	Flat Face	115	22	M14-2.0INT or 5/8-11 INT	Black	Hard	13,200
7000105442	09584	Ribbed Face	125	22	M14-2.0INT or 5/8-11 INT	Black	Hard	12,000
7100016545	09921	Ribbed Face	180	22	M14-2.0INT or 5/8-11 INT	Black	Hard	8,500
7012885537	0066	Extended Retaining Nut	-	-	M14-2.0 INT	-	-	-

3M™ Flexible Grinding Disc Back Up Pads

Together our Flexible Grinding Wheels & Back Up Pads achieve a high stock removal rate with minimal noise and vibration and can be used in edge beveling, chamfering, gate removal and plate grinding. The backup pad is required for safe operation of flexible grinding wheels. The clear, flexible pad distributes pressure evenly over the work surface and cushions the abrasive action. The ease of use, lower vibration levels and reduced chatter resulting from the flexibility of the abrasive means it produces a better finish which is more easily blended. Less vibration and chatter serves to extend abrasive life, as well and makes for greater operator comfort.



3M ID	Size (mm)	Type
7012913532	115/125	T27

Bench Motors

Scotch-Brite™ High Strength Disc



Scotch-Brite™ High Strength Discs are a general purpose disc made of a durable, tough web and is designed to effectively clean, deburr, denib/defuzz, and achieve satin finishes. The durable, non-woven, open-web construction resists loading and runs cool to keep the abrasives cutting at a consistent rate throughout the life of the disc. Conformability allows the Scotch-Brite™ High Strength Disc to work well on irregular surfaces and into tight areas without damaging the base material. This disc may be used individually or stacked on a straight shaft tool or bench motor to condition larger areas, bar grates, louvers, vents, and tracks.

Order Code	Size (mm)	Grade	Colour	Max. RPM
7100096111	150mm x 12mm	A VFN	Maroon	4,000
7010365092	200mm x 12mm	A VFN	Maroon	3,000
7100045907	200mm x 12mm	A MED	Maroon	3,000

Scotch-Brite™ High Strength Mop



Scotch-Brite™ High Strength Mops are made from multiple disc ganged together and have a durable, tough web designed to effectively clean, deburr, denib/defuzz, and achieve satin finishes. The durable, non-woven, open-web construction resists loading and runs cool to keep the abrasives cutting at a consistent rate throughout the life of the disc. Conformability allows the Scotch-Brite™ High Strength Mops to work well on irregular surfaces and into tight areas without damaging the base material.

Order Code	Size (mm)	Grade	Colour	Max. RPM
7012878193	150mm x 60mm	A VFN	Maroon	4,500
7012884254	150mm x 48mm	A MED	Maroon	4,500
7012871198	200mm x 60mm	A VFN	Maroon	3,500
7012869344	200mm x 48mm	A MED	Maroon	3,500



3M™ Roloc™ Systems

3M™ Roloc™ Discs

3M™ Roloc™ Discs provide a fast, efficient method for grinding, blending, leveling and finishing on all types of metal. They lock securely in place with just a half twist... another half twist and they're off. Each disc is color coded by grade. (This does not include 3M™ Roloc™ TSM products.)

Premium Series:
Designed for unparalleled power and performance

	Substrate use:	Grinding and stock removal	Deburring	Refining	Finishing	Cleaning	Contaminate removal	Blending	Paint prep
3M™ Cubitron™ 3 Roloc™ Disc 1184F Durable Edge	mild steel, stainless steel	heavy	◆	◆					
3M™ Cubitron™ II Roloc™ Disc 984F	mild steel, stainless steel	heavy	◆	◆	◆				
3M™ Cubitron™ II Roloc™ Fibre Disc 982C	mild steel	medium/high	◆	◆					
3M™ Cubitron™ II Roloc™ Fibre Disc 987C	stainless steel, non-ferrous metals, aluminum	medium/high	◆	◆					
Scotch-Brite™ Roloc™ Deburr & Finish Pro Unitized Wheel (DP-UW)	all metals		heavy		◆				
Scotch-Brite™ Roloc™ EXL Unitized Wheel (XL-UW)	metals, plastics, composites		moderate/ heavy		◆				
Scotch-Brite™ Roloc™ Precision Surface Conditioning Disc	can vary by grade. stainless steel, aluminum, mild steel, titanium nickel alloys		◆	◆	◆	◆		◆	◆
Scotch-Brite™ Roloc™ Surface Conditioning Disc (SC-DR)	all metals		◆	◆	◆	◆			
Scotch-Brite™ Roloc™ Surface Conditioning Disc (SE-DR)	all metals		heavy	◆	◆	◆			
Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc (XO-DR)	rust, coatings, weld discoloration					◆	heavy removal		
Scotch-Brite™ Roloc™ Clean & Strip XT Pro Extra Cut Disc (XC-DR)	heavy rust and rust pit removal without leaving divots			◆		◆	◆		
Scotch-Brite™ Roloc™ Bristle Disc (RD-ZB)	all metals		◆		◆	◆			
Scotch-Brite™ Roloc+™ Flap Brush (FF-ZR/PF-ZR/CB-ZR)	wood, metals, lacquers		light			◆			
Scotch-Brite™ Roloc+™ Cut and Polish Disc (C5/ZR)	all metals		light		◆	◆			
Scotch-Brite™ Roloc+™ Clean & Strip XT Pro Extra Cut Disc	corrosion, coatings, metals			◆		◆	◆		
Scotch-Brite™ Roloc+™ Clean & Strip XT Pro Disc	corrosion, coatings, metals					◆	heavy removal		

Advanced Series: Designed for value-priced performance

3M™ Roloc™ Fibre Disc 782C	mild steel	medium/high	◆	◆	◆				
3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminum	medium/high	◆	◆	◆				
3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminum	medium			◆				
3M™ Roloc™ Disc 361F	all metals			◆	◆	◆	◆		

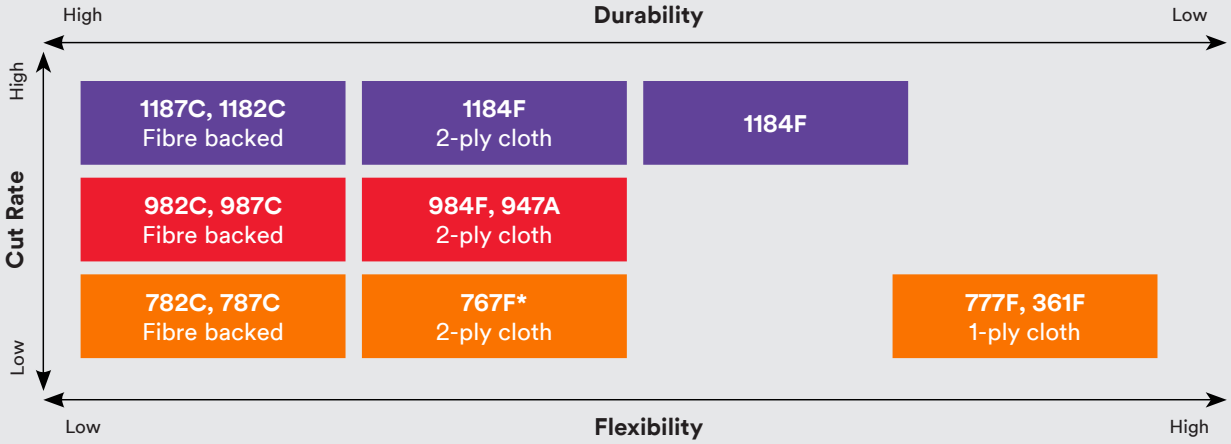
Application guide continued from previous page >>>

	Premium Series	Substrate use:	Deburring	Refining	Finishing	Cleaning	Beveling	Weld prep	Weld removal	Blending	Rust removal	Paint prep
	3M™ Cubitron™ 3 Roloc™ Disc 1184F Durable Edge	mild steel, stainless steel					◆	◆	small welds	◆		
	3M™ Cubitron™ II Roloc™ Disc 984F	mild steel, stainless steel					◆	◆	small welds	◆		
	3M™ Cubitron™ II Roloc™ Fibre Disc 982C	mild steel							small welds	◆		
	3M™ Cubitron™ II Roloc™ Fibre Disc 987C	stainless steel, non-ferrous metals, aluminum							small welds	◆		
	Scotch-Brite™ Roloc™ Deburr & Finish Pro Unitized Wheel (DP-UW)	all metals								◆		
	Scotch-Brite™ Roloc™ EXL Unitized Wheel (DP-UR)	metals, plastics, composites								weld blending		
	Scotch-Brite™ Roloc™ Precision-Shaped Surface Conditioning Discs	can vary by grade. stainless steel, aluminum, mild steel, titanium nickel alloys	◆	◆	◆	◆				◆		◆
	Scotch-Brite™ Roloc™ Surface Conditioning Disc (SC-DR)	all metals								◆		◆
	Scotch-Brite™ Roloc™ Surface Conditioning Disc (SE-DR)	all metals										
	Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc (XO-DR)	rust, coatings, weld discoloration									◆	◆
	Scotch-Brite™ Roloc™ Clean & Strip XT Pro Extra Cut Disc (XC-DR)	heavy rust and rust pit removal without leaving divots									◆	◆
	Scotch-Brite™ Roloc™ Bristle Disc (RD-ZB)	all metals								◆	◆	
	Scotch-Brite™ Roloc+™ Clean & Strip XT Pro Extra Cut Disc	corrosion, coatings, metals										
	Scotch-Brite™ Roloc+™ Clean & Strip XT Pro Disc	corrosion, coatings, metals										

	Advanced Series											
	3M™ Roloc™ Fibre Disc 782C	mild steel							small welds	◆		
	3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminum							small welds	◆		
	3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminum								◆		
	3M™ Roloc™ Disc 361F	all metals									◆	

3M™ Roloc™ Systems

Grinding and stock removal



*2025

3M™ Roloc™ Disc button color/grade guide

CB3 Fibre Disc	Color	Grade
1184F Durable Edge	White	All*
1182C 1187C	Brown	36+
	Orange	60+
	Yellow	80+

Optimum tool speed to maximize to maximize 3M™ Roloc™ Disc cut rates and life

	Substrate			
Disc Size	Carbon Steel	Stainless Stell	Titanium	Aluminium
50mm	20.000rpms	15.000rpms	7.000rpms	20.000rpms
75mm	15.000rpms	10.000rpms	4.500rpms	15.000rpms

3M™ Roloc™ Attachment System

CB3 Fibre Disc	Size (mm)	TR
1184F	50	●
	75	●
1182C	50	●
	75	●
1187C	50	●
	75	●

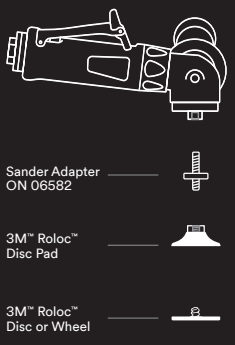


TR
plastic button

3M™ Roloc™ System

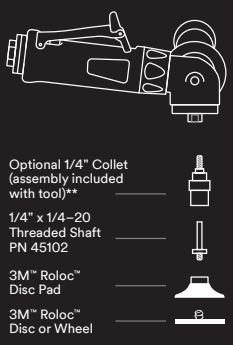
SHORT*

"Direct Mount" Backup Pad Attachment: Shorter distance to the work piece generates less vibration and allows for better operator control.

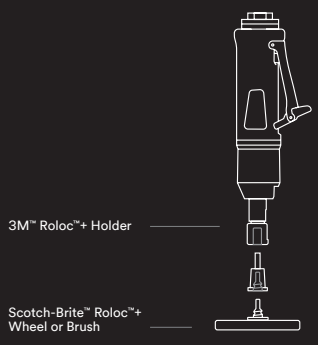


TALL

1/4" Collet Option: Allows for longer reach and mounting of other abrasives and 1/4" accessories.



3M™ Roloc™+ System



3M™ Roloc™ Discs

3M™ Cubitron™ 3 Roloc™ Durable Edge Disc 1184F

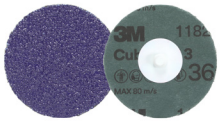
Stainless steel and other heat-sensitive alloys. Designed for metalworking applications where flexibility is required and wear resistance in edge work is needed as well as weld grinding, beveling, and deburring.



3M ID	Diameter (mm)	Grade	Box/Case
7100331727	50mm	36+	50/200
7100331410	50mm	60+	50/200
7100332404	50mm	80+	50/200
7100331731	75mm	36+	50/200
7100331725	75mm	60+	50/200
7100332405	75mm	80+	50/200

3M™ Cubitron™ 3 Roloc™ Fibre Disc 1182C

Carbon steel grinding. Outstanding performance and productivity for medium to high pressure grinding applications on carbon steel when a smaller sized disc is needed.



3M ID	Diameter (mm)	Grade	Box/Case
7100332086	50mm	36+	50/200
7100332343	50mm	60+	50/200
7100332356	50mm	80+	50/200
7100332346	75mm	36+	50/200
7100332232	75mm	60+	50/200
7100332357	75mm	80+	50/200

3M™ Cubitron™ 2 Roloc™ Fibre Disc 982C ■



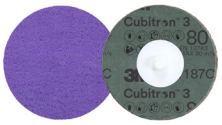
- Made with revolutionary 3M Precision-Shaped Grain technology
- Provides long life and fast cut
- Rigid fiber backing enables fast, more aggressive cutting
- Optimized for use on carbon steel

3M ID	Diameter (Inch)	Grade	Min/Case
	Roloc™ TR (Plastic Button)		
7000118429	2"	36+	50/200
7000118431	2"	60+	50/200
7000118432	2"	80+	50/200
7000118430	3"	36+	50/200
7000044902	3"	60+	50/200
7000044904	3"	80+	50/200

■ Mild Steel ■ Stainless Steel

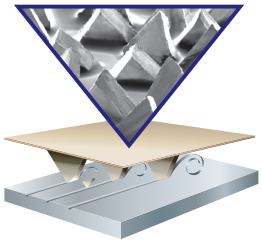
3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C

Stainless steel and other heat-sensitive alloys. Designed for metalworking applications where flexibility is required and wear resistance in edge work is needed as well as weld grinding, beveling, and deburring.



3M ID	Diameter (mm)	Grade	Box/Case
7100331754	50mm	36+	50/500
7100331745	50mm	60+	50/200
7100331753	50mm	80+	50/200
7100331749	75mm	36+	50/200
7100332087	75mm	60+	50/200
7100332088	75mm	80+	50/200

3M Precision-Shaped Grain



3M Precision-Shaped Grain uses 3M microreplication technology to form sharp peaks that easily "slice" through metal — cutting cooler, faster and lasting longer than conventional abrasive grain.

3M | Cubitron™ 2
Performance Abrasives

3M™ Roloc™ Discs

3M™ Cubitron™ 2 Roloc™ Durable Edge Disc 984F



- Made with revolutionary 3M Precision-Shaped Grain technology
- Features a durable edge backing and a grinding aid
- For grinding, blending and deburring of light to medium pressure applications for virtually all metal types

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7100001474	2"	36+	25,000	50/200
7100001475	2"	60+	25,000	50/200
7100001473	2"	80+	25,000	50/200
7100254441	2"	120+	25,000	50/200
7000045167	3"	36+	20,000	50/200
7000045172	3"	60+	20,000	50/200
7010294812	3"	80+	20,000	50/200
7100254437	3"	120+	20,000	50/200

3M™ Roloc™ Disc 361F



- Aluminum oxide on a YF weight cloth backing
- General purpose grinding, blending and finishing on all metals

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7000028183	2"	24	25,000	50/200
7000000371	2"	36	25,000	50/200
7000028184	2"	50	25,000	50/200
7000000376	2"	60	25,000	50/200
7000000381	2"	80	25,000	50/200
7000000385	2"	P100	25,000	50/200
7000000388	2"	P120	25,000	50/200
7000119021	2"	P150	25,000	50/200
7000000390	2"	P180	25,000	50/200
7000045105	2"	P240	25,000	50/200
7000045090	3"	24	20,000	50/200
7000045093	3"	36	20,000	50/200
7000045096	3"	50	20,000	50/200
7000045098	3"	60	20,000	50/200
7000045100	3"	80	20,000	50/200
7000045102	3"	P100	20,000	50/200
7000000389	3"	P120	20,000	50/200
7000119022	3"	P150	20,000	50/200
7000045106	3"	P240	20,000	50/200

Mild Steel Stainless Steel

3M™ Roloc™ Disc 777F



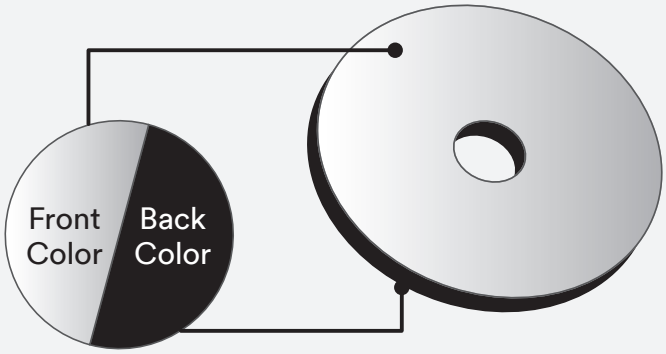
- 3M ceramic aluminum oxide blend abrasive grain
- YF Polyester Cloth Backing for durability
- Grinding aid for cooler running

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7000000549	2"	36	25,000	50/200
7000045627	2"	50	25,000	50/200
7000000550	2"	60	25,000	50/200
7000000551	2"	80	25,000	50/200
7000000552	2"	P100	25,000	50/200
7000000553	2"	P120	25,000	50/200
7000028339	3"	36	20,000	50/200
7000045628	3"	50	20,000	50/200
7000000554	3"	60	20,000	50/200
7000000555	3"	80	20,000	50/200
7000000556	3"	P100	20,000	50/200
7000000557	3"	P120	20,000	50/200

Choose the Right Disc for the Job

Scotch-Brite™ Surface Conditioning Disc Guide

Cracking The Color Code — Discs



P Grade Range

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.[1]

Scotch-Brite™ Surface Conditioning Discs	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
MULTIPURPOSE — SC	600–400	400–320		220–180	150–120			

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.

Scotch-Brite™ Roloc™ Discs

Scotch-Brite™ Roloc™ Precision Surface Conditioning Discs



- Features 3M Precision-Shaped Grain for fast cut and long life
- Expanded grades cover a large range of applications
- Designed for ease of use and consistent surface finishing results
- Suitable for aluminum and soft metal, carbon steel, stainless steel and more
- Open web design helps resist loading, allowing for longer disc life
- Bright, vivid colors help make identification easier

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7100264173	50	VFN	25,000	50/200
7100264174	50	FIN	25,000	50/200
7100264089	50	MED	25,000	50/200
7100264090	50	CRS	25,000	50/200
7100264091	50	XCRS	25,000	50/200
7100264194	75	VFN	20,000	25/100
7100264195	75	FIN	20,000	25/100
7100264196	75	MED	20,000	25/100
7100264197	75	CRS	20,000	25/100
7100264198	75	XCRS	20,000	25/100

Scotch-Brite™ Heavy Duty (HD) Roloc (TR) Discs



- Features 3M Precision-Shaped Grain for fast cut and long life
- Tough enough for heavy duty use
- Edge durability and shape retention during edge wear
- Made for use on aluminum, mild steel, nickel alloy, stainless steel and copper
- Available in MED(150+), CRS(120+), XCRS(80+), XXCRS(60+)

3M ID	Diameter (mm)	Grade	Max RPM	Qty/Case
7100359904	50mm	XXCRS	25,000	200
7100359477	50mm	XCRS	25,000	200
7100359489	50mm	CRS	25,000	200
7100359470	50mm	MED	25,000	200
7100359481	75mm	XCRS	20,000	100
7100359753	75mm	XXCRS	20,000	100
7100359491	75mm	CRS	20,000	100
7100359480	75mm	MED	20,000	100

PSG



Combined Benefits of Two 3M Technologies

For the first time we merged 3M Precision-Shaped Grain with the nonwoven web technology of our surface conditioning products to quickly and effectively clean and finish surfaces **without** changing the geometry or dimension of the base material.

Look for the 3M Precision-Shaped Grain icon!

Scotch-Brite™ Roloc™ Discs

Scotch-Brite™ Roloc™ SC Surface Conditioning Discs (TR)



- Scotch-Brite surface conditioning nonwoven web provides a burr-free decorative finish
- Removes grind marks, rust and coatings
- Grade: A VFN – Blue; A MED – Maroon; A CRS – Brown

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7000021280	25	A MED	30,000	50/200
7000021279	25	A VFN	30,000	50/200
7000000752	50	A CRS	25,000	50/200
7000000751	50	A MED	25,000	50/200
7000000753	50	S SFN	25,000	50/200
7000000750	50	A VFN	25,000	50/200
7000000756	75	A CRS	18,000	25/100
7000000755	75	A MED	18,000	25/100
7000028501	75	S SFN	18,000	25/100
7000000754	75	A VFN	18,000	25/100

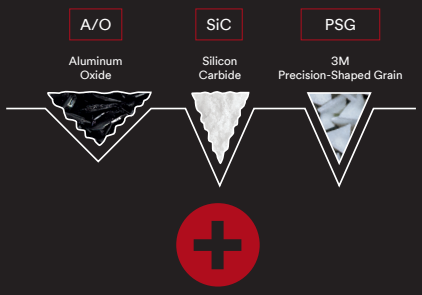
†Made-to-Order

What makes Scotch-Brite™ Precision Surface Conditioning Discs Different?

Scotch-Brite™ Precision Surface Conditioning Discs combine the benefits of two 3M technologies

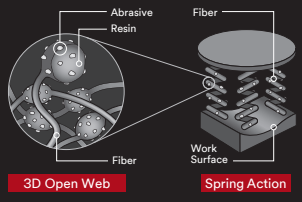
3M Precision-Shaped Grain and Minerals

3M Precision-Shaped Grain is a triangular-shaped ceramic grain that is designed with sharp, angular structures that continuously fracture to form new sharp cutting edges.



3M™ Scotch-Brite™ Nonwoven Technology

Scotch-brite™ nonwoven technology is a spring-like web that helps improve surfaces without changing the geometry or dimension of the base material.



Scotch-Brite™ Roloc™ Discs

Scotch-Brite™ Roloc™ Surface Conditioning Disc (TS)



- Scotch-Brite surface conditioning nonwoven web provides a burr-free decorative finish
- Removes grind marks, rust and coatings
- Grade: A VFN – Blue; A MED – Maroon; A CRS – Brown

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7000035851	19	A CRS	30,000	50/200
7000035846	19	A MED	30,000	50/200
7000035847	19	A VFN	25,000	50/200

Scotch-Brite™ Roloc™ Clean and Strip Discs



- Aggressively removes paint, rust and seam sealers
- Open web construction for cool running and resistance to loading and smearing
- Faster cutting than wire brushes and wheels to increase production

3M ID	Size (mm)	Grade	Max RPM	Qty/Case
7100062946	100 × 25	S XCS	8,000	10
7000120711	100 × 25 × 6	S XCS	8,000	10

Scotch-Brite™ Roloc™ Bristle Discs



- Efficiently cleans and strips many substances from metal surfaces without damaging the work piece
- An operator can quickly and easily achieve a quality, consistent finish with light pressure

3M ID	Size (mm)	Grade	Color	Max RPM	Min/Case
		Roloc™ TR (Plastic Button)			
7000000740	25	50	Green	30,000	80
7100138319	25	80	Yellow	30,000	80
7000000741	25	120	White	30,000	20/80
7000000742	50	50	Green	25,000	10/40
7000000743	50	80	Yellow	25,000	10/40
7000000744	50	120	White	25,000	10/40
7000000745	75	50	Green	15,000	10/40
7100138320	75	80	Yellow	15,000	10/40
7100138192	75	120	White	15,000	10/40

Scotch-Brite™ Roloc™ Body Man's Bristle Disc



- Contains 3M ceramic aluminum oxide blend abrasive grain
- Removes high loading materials fast and doesn't load
- Great for removing rubberized under-coating, seam sealer, rust and paint

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
7000000775	50	36	25,000	4/24
7000000777	75	36	18,000	3/18

Scotch-Brite™ Roloc™ Clean and Strip XT Pro Discs



- Quickly removes rust, paint, mill scale and coatings from metal
- High-strength fiber resists chunking and performs well on edges
- High conformability provides a larger contact patch for faster removal rates
- Silicon carbide mineral cuts aggressively and leaves a fine finish

3M ID	Dia x Ctr Hole	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7100175521	50mm x NH	S XCS	18,000	10/60
7100173795	75mm x NH	S XCS	15,000	10/40
	Roloc™ TR+ (Plastic Button)			
7100173794	4" x 1/50	S XCS	12,000	10

Use For

- **Light rust, paint, mill scale removal**
- **Surface Preparation**

Scotch-Brite™ Roloc™ Clean and Strip XT Pro Extra Cut Discs



- Quickly removes heavy rust, thick paint, corrosion and cleans welds
- Aluminum oxide mineral aggressively removes top layer and cleans to the bare metal underneath
- High conformability provides a larger contact patch for faster removal rates
- High-strength fiber resists chunking and performs well on edges

3M ID	Dia x Ctr Hole	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7100179815	50mm x NH	A XCS	18,000	10/60
7100173790	75mm x NH	A XCS	15,000	10/40

Use For

- **Heavy rust / rust pit removal without leaving divots**
- **Thick paint and coating removal**

Scotch-Brite™ Roloc™ EXL Unitized Wheels



- Strong, efficient products for edge deburring and finishing
- Used with 3M™ Roloc™ or 3M™ Roloc™+ holder pads on a straight shaft or right-angle tool

3M ID	Diameter (mm)	Grade	Max RPM	Min/Case
	Roloc™ TR (Plastic Button)			
7100000858	75	2A MED	15,100	10/40
7100005209	75	2S FIN	15,100	10/40
7000028469	75	6A MED	15,100	10/40
7000045981	75	8A MED	15,100	10/40

Scotch-Brite™ Roloc™ Discs

Scotch-Brite™ Roloc™ TR Deburr and Finish PRO



- Ideal for both OE use and for maintenance operations
- Soft to reduce defects, yet durable, for fewer wheel changeouts
- Faster burr removal
- Better finish

3M ID	Size (Dia × Thk × Ctr Hole)	Den	Grade	Max RPM	Qty/ Case
Roloc™ TR (Plastic Button)					
7100081367	50 × 1/4"	6C	MED+	22,100	60
7010295274	75 × 1/4"	4C	MED+	15,100	40
7100081366	75 × 1/8"	6C	MED+	15,100	40
7100081365	75 × 1/4"	6C	MED+	15,100	40
7100109110	75 × 1/4"	8C	CRS+	15,100	40
Unitized Disc					
7100081369	4-1/50 × 7/8"	6C	MED+	12,100	5

Scotch Brite™ Roloc™ Deburr and Finish PRO Unitized Wheel



- Delivers 30–50% faster burr removal while minimizing overcutting for fewer rejects
- Up to 3x longer wheel life in deburring applications
- Minimal dust and debris buildup helps reduce cleanup time

3M ID	Size (mm)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7100081367	50 × 1/4"	6C MED+	22,100	60
7010295274	75 × 1/4"	4C MED+	15,100	40
7100081365	75 × 1/4"	6C MED+	15,100	40

Scotch-Brite™ Brushes

Scotch-Brite™ Roloc™+ Combination Flap Brush



This brush is a unique combination of aluminium oxide coated abrasives and Scotch-Brite™. They are designed for a wide range of finishes. For cleaning work before welding, cleaning and burning of residues after soldering, light deburring of steel and nonferrous metals, machining possibilities of plastic and wood. Blending scratches on stainless steel and fine finishing aluminium prior to anodising, leads a burr-free finish. They combine the cutting action of coated abrasives with the finishing action of Scotch-Brite™ non-woven abrasives.

3M ID	Size (mm)	Grade	Colour	Max RPM	Part Number
7000077912	63mm x 32mm	P80	Maroon	9,000	9717
7000077906	63mm x 32mm	P120	Maroon	9,000	9720
7000077939	63mm x 32mm	P180	Maroon	9,000	9723

Scotch-Brite™ Roloc™+ Clean and Finish Flap Brush



This brush is a unique combination of aluminium oxide coated abrasives and Scotch-Brite™. They are designed for a wide range of finishes. For cleaning work before welding, cleaning and burning of residues after soldering, light deburring of steel and nonferrous metals, machining possibilities of plastic and wood.

3M ID	Size (mm)	Grade	Colour	Max RPM	Part Number
7000077912	63mm x 32mm	P80	Maroon	9,000	9717
7000077906	63mm x 32mm	P120	Maroon	9,000	9720
7000077939	63mm x 32mm	P180	Maroon	9,000	9723

Scotch-Brite™ Mops

Scotch-Brite™ Roloc™+ Cut and Polish Mop



This polish mop delivers an aggressive cutting action giving a tight scratch pattern and consistent, repeatable finish on metals and timber. Works for defuzzing of wood profiles and panels; removal of lacquer, paint, dirt and discolouration; matt or satin finishing on metal surfaces. The disc construction provides conformability where needed on irregular surfaces. Five discs of heavy duty Scotch-Brite™ Web are fixed together to form a disc brush.

3M ID	Size (mm)	Grade	Colour	Max RPM	Part Number
7000077915	75mm x 30mm	A MED	Tan	7,500	9714
7000077919	100mm x 30mm	A MED	Tan	6,000	9715

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



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

3M™ Roloc™+ Holders

Rugged, plastic holder provides support for all Roloc products including discs and combiwheels. Holder has deeper internal thread to accept products with Roloc+ buttons.

3M ID	Part Number	Holder	Diameter (mm)	Thread Size	Colour	Max. RPM
7100276338	89869	1	100	1/4" Shank	Grey	25,000
7100276340	89870	1	115	1/4" Shank	Grey	25,000
7100276339	89871	1	125	1/4" Shank	Grey	25,000

3M™ Unitised Wheel Mandrels

Recommended for use on portable tools. Excellent for edge deburring and finishing applications of small or intricate work pieces. They are available in a wide range of diameters, grades and densities and limited to a thickness no more than 1 inch.

3M ID	Part Number	Length (mm)	Shank Size (mm)	Outside Flange Diameter (mm)	Wheel Diameter (mm)	Wheel Width (mm)	Max. RPM
7000045934	933	50	6.35	25	38-100	6-18	14,000
7000028562	934	77	6.35	63	75-150	6-24	12,000
7000046309	936	52	6.35	19	75-150	25	22,200
7000028456	990	44	6.35	25	50-75	3-12	25,100

3M™ Roloc™ TS Mandrel

Use with 19mm Roloc TS and TSM Discs. Designed for cleaning and finishing of airplane seat track channels.

3M ID	Part Number	Length (mm)	Shank Size (mm)	Max. RPM
7100009221	935	73	6.35	14,000

3M™ Roloc™ Disc Holder No 4

Use 3M Roloc + Holder for right angle grinding to support all Roloc products, including discs and combo wheels. Our holder features a deeper internal thread to accept products that have Roloc buttons, and can be used for right angle grinding.

3M ID	Size (mm)	Grade	Colour	Max. RPM
7000033538	75 × 6	Disc Holder No 4	Black	18,000

3M™ Roloc™ Disc Pads and Holders

Rubber back-up pad supports 3M Roloc abrasive discs in different degrees of hardness for varying grinding applications. Conveniently mounts directly to tools with threaded shafts or used with Roloc shank to fit collet chuck tools.

3M ID	Part Number	Description	Diameter (mm)	Thread Size	Colour	Density Rating	Max RPM
7012881999	45102	Disc Shaft	6.35	1/4-20 EXT	Silver	-	-
7100003161	45101	Back-Up Pad	25	1/4-20 INT	Black	Medium	30,000
7000000441	45096	Back-Up Pad	50	1/4-20 INT	Black	Hard	25,000
7000045282	45095	Back-Up Pad	50	1/4-20 INT	Black	Medium	25,000
7100002305	45091	Back-Up Pad	75	1/4-20 INT	Black	Hard	20,000
7000000602	45092	Back-Up Pad	75	1/4-20 INT	Black	Medium	18,000
7100010386	45090	Back-Up Pad	75	1/4-20 INT	Black	Soft	15,000
7000028377	85000	For Angle Grinders	75	M10-1.5 INT	Black	Hard	20,000
7000045695	84999	For Angle Grinders	75	M14-2.0 INT	Black	Medium	18,000





Random Orbital Systems

3M™ Abrasive Discs for Orbital Sanding

For more than 100 years, 3M Science has provided technologies designed to make your life easier and improve the world — one finish at a time. 3M offers the most advanced technologies and processes in the industry — and a wide selection of sanding discs to tackle any job.

3M™ Random Orbital Sanding Discs are designed to handle your specific sanding and finishing needs. Primary applications include stock removal, light weld blending, and paint preparation of surfaces from carbon steel, aluminum, wood, composite, gelcoat, solid surface, acrylic, paint and more.

TECH TIP:

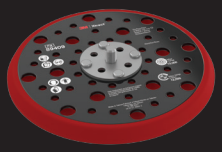
Optimize your sanding system with 3M™ Cubitron™ 2 and 3M Xtract™ Clean Sanding Systems.

3M Xtract™ Abrasive Disc



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3M Xtract™ Back-up Pad

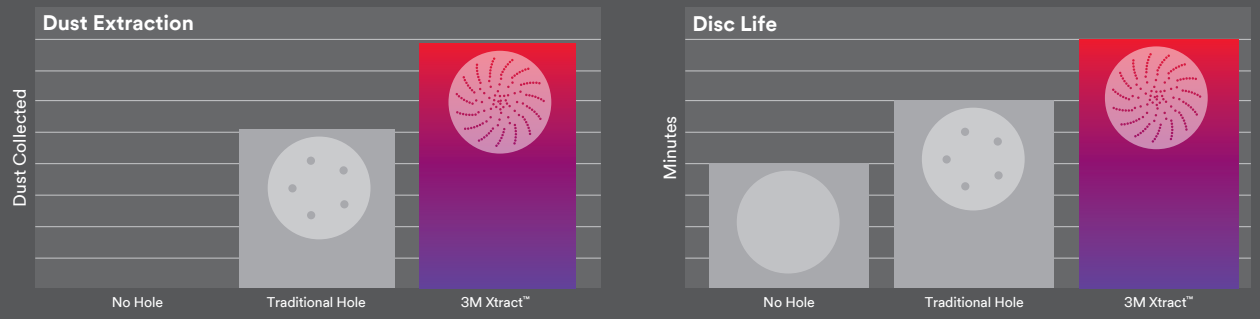


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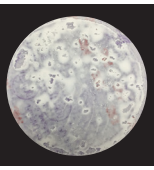
3M Xtract™ Pneumatic Random Orbital Sander Self-Generated Vacuum



3M Xtract™ Clean Sanding Abrasives removes more dust and lasts longer than traditional hole pattern discs of a similar diameter.



Test results are based on dry sanding applications. Results will vary by application, material being sanded and tool used.



3M Xtract™ Clean Sanding vs. No Hole

After sanding on cured gelcoat for 30 seconds. The 3M Xtract™ Clean Sanding Disc has not loaded. This means a longer abrasive disc life.



3M Xtract™ Clean Sanding Solutions

Imagine a cleaner workspace, where sanding is virtually dust-free and performance and dust extraction are not compromised. Now that's possible.

As you sand, any dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system.

3M Xtract™ Cubitron™ 2 Discs

3M Xtract™ Cubitron™ 2 Film Disc 775L



- Handle applications ranging from finishing to coarse sanding, excelling at stock removal
- 3M Precision-Shaped Grain delivers industry-leading cut rate and long life
- The 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity, and provide a cleaner work environment
- Film backing offers greater tear resistance and edge retention
- Suitable for use on all metals, aluminum, composites, wood, fiberglass, gelcoat, topcoats, and paint

3M ID	Size (mm)	Grade	Dust Pattern
7100045072	150	80+	Clean Sand
7100045073	150	120+	Clean Sand
7100065918	150	150+	Clean Sand
7100064178	150	180+	Clean Sand
7100064271	150	220+	Clean Sand
7100145316	150	240+	Clean Sand
7100141692	150	320+	Clean Sand
7100145455	150	400+	Clean Sand
7100046327	150	80+	Plain No Hole
7100046328	150	120+	Plain No Hole
7100064273	150	150+	Plain No Hole
7100064272	150	180+	Plain No Hole
7100064274	150	220+	Plain No Hole
7100145407	150	240+	Plain No Hole
7100145462	150	320+	Plain No Hole
7100145469	150	400+	Plain No Hole

3M Xtract™ Cubitron™ 2 Net Disc 710W

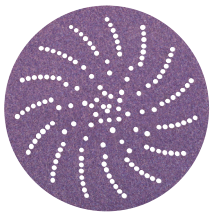


- Premium net disc allows for virtually dust-free sanding
- 3M Precision-Shaped Grain arranged in a unique pattern delivers industry-leading cut rate and long life
- Part of the 3M Xtract™ Clean Sanding Solutions, the ultimate in dust removal and performance

3M ID	Part Number	Grade	Size (mm)	Min/Case
7100251206	39066	80+	150mm	50/300
7100251205	39072	120+	150mm	50/300
7100251204	39080	150+	150mm	50/300
7100251177	39083	180+	150mm	50/300
7100251178	39152	220+	150mm	50/300
7100251951	39160	240+	150mm	50/300
7100251168	39201	320+	150mm	50/300

3M Xtract™ Cubitron™ 2 Discs

3M Xtract™ Cubitron™ 2 Paper Disc 732U



- Versatile disc handles applications ranging from finishing to coarse sanding, focused primarily on stock removal
- The 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity, and provide a cleaner work environment
- Suitable for use on aluminum, composites, wood, fiberglass, gelcoat, topcoats and paint

3M ID	Size (mm)	Grade	Dust Pattern
7100044445	150	80+	Clean Sand
7100044449	150	120+	Clean Sand
7100066676	150	150+	Clean Sand
7100066679	150	180+	Clean Sand
7100066702	150	220+	Clean Sand
7100044153	150	80+	Plain No Hole
7100044452	150	120+	Plain No Hole
7100067093	150	150+	Plain No Hole

3M™ Cubitron™ 2 Discs

3M™ Cubitron™ 2 Hookit™ Disc 950U



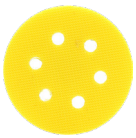
3M ID	Size (mm)	Grade	Dust Pattern
7100190717	150	180+	No Hole
7100190720	150	150+	No Hole
7100190721	150	120+	No Hole
7100190719	150	80+	No Hole
7100190718	150	60+	No Hole
7100226888	150	180+	Hole
7100226885	150	150+	Hole
7100226886	150	120+	Hole
7100226884	150	80+	Hole
7100226887	150	60+	Hole



Air Tools

3M™ Hookit™ Disc Pads for Clean Sand & Dust Extraction Systems

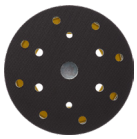
Designed with high performance hole patterns when coupled with a 3M Random Orbital vacuum equipped sander and discs increases abrasive life and achieves high efficiency dust pickup.


20427


20465


20350

07390


50392, 50394

3M ID	Number	Description	Diameter (mm)	Thickness (mm)	Centre Hole Diameter (mm)	Thread Size	Number of Holes	Colour	Face Colour	Density Rating	Hook Type	Max RPM
7000045008	20427	Disc Pad Kit	76	12.7	-	5/16-24 EXT	6	Yellow	Yellow	Medium	1	15,000
7000028147	20350	Tapered Edge	76	12.7	15.7	1/4-20 EXT	3	Red	Black	Firm	1	15,000
7100022038	20465	Low Profile	150	9.39	15.7	5/16-24 EXT	53	Red	Black	Firm	2	12,000
7000045676	07390	Tapered Edge	150	19	19	M8-1.25 EXT	6	Yellow	Yellow	Medium	1	12,000
7000032142	50392	Direct Flow	150	19	19	5/16-24 EXT	15	Grey	Black	Medium	1	12,000
7000032143	50394	Direct Flow	150	19	19	M8-1.25 EXT	15	Grey	Black	Medium	1	12,000
7000060160	50474	Low Profile	150	19	19	5/16-24 EXT	15	Yellow	Yellow	Firm	1	12,000

3M™ Hookit™ Disc Pads for Non Dust Extraction Systems

These Disc Pads have a hook attachment which drives Hookit abrasive products with brushed Nylon loop backings.


20355


07934


947


05779

3M ID	Part Number	Description	Diameter (mm)	Thickness (mm)	Thread Size	Colour	Face Colour	Density Rating	Hook Type	Max RPM
7100052357	20355	Low Profile	150	9.39	5/16-24 EXT	Red	Black	Firm	2	12,000
7000045702	07394	Tapered Edge	178	25	M14-2.0 INT	Yellow	Yellow	Medium	1	6,000
7000028353	947	Tapered Edge	178	25	5/8-11 INT	Yellow	Yellow	Medium	1	6,000
7000045671	05779	Tapered Edge	203	25	5/8-11 INT	Yellow	Yellow	Medium	1	3,000

3M™ Hookit™ Interface Pads for Clean Sand & Dust Extraction Systems

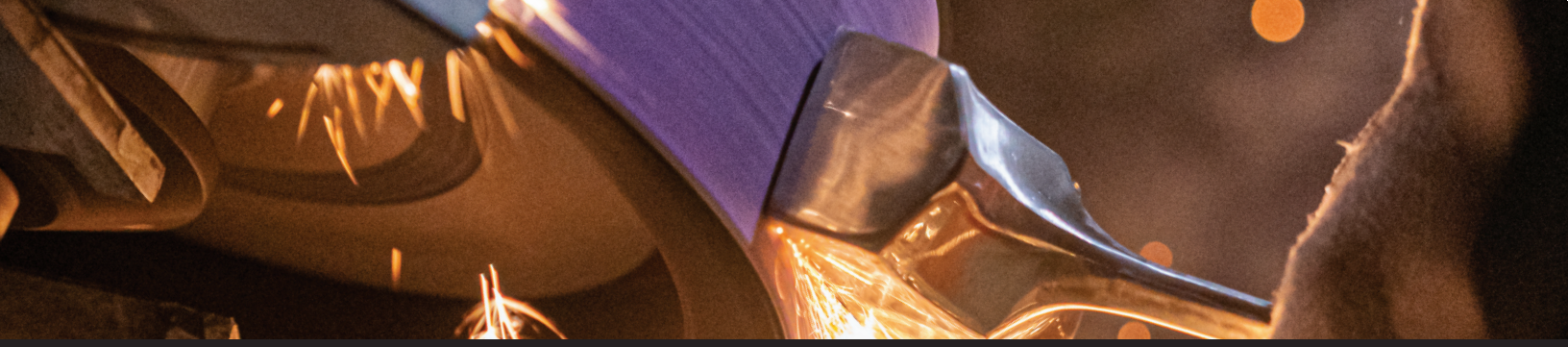
Constructed of soft durable foam to increase confirmability of the sanding disc. This increased flexibility allows you to follow contours and get closer to most edges while maximising dust extraction.


05774


50544, 50545


20446, 20444

3M ID	Part Number	Diameter (mm)	Thickness (mm)	Number of Holes	Colour	Face Colour	Density Rating	Hook Type	Max RPM
7000032160	50544	150	10	49	Grey	Black	Soft	1	12,000
7000032161	50545	150	5	49	Grey	Black	Soft	1	12,000
7000038372	05774	150	10	6	Grey	Black	Soft	1	12,000
7000042703	20446	150	2	N/A	Black	Black	Soft	1	12,000
7000045012	20444	125	2	N/A	Black	Black	Soft	1	12,000



Abrasive Belt Systems

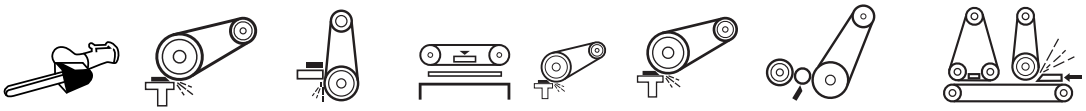
3M™ Belts

3M is the one-stop shop for all your coated abrasive metalworking belt needs! We offer a product tailored to nearly every application and performance level. To select the best product for your application, check out our easy-to-use Belt Selection Guide. Each tier of product offers best-in-class performance at various price points. Once you have selected the product, use the Availability Guide to select your grade. The following section includes our most popular belt items, but remember, other custom sizes are available.

How to Use the Coated Abrasive Belt Selection Guide

1. Find the machine type that you will run this belt on.
2. Move down to the metal type that is being worked on.
3. Select the product from the list of Recommended — Alternative — Finishing/Polishing belts.*
4. Check the Availability Guide for the grade.
5. Find the product on the following pages for available sizes.
6. If your size is not listed, contact your 3M distributor or 3M representative for ordering instructions.

3M™ Coated Abrasive Belt Selection Guide

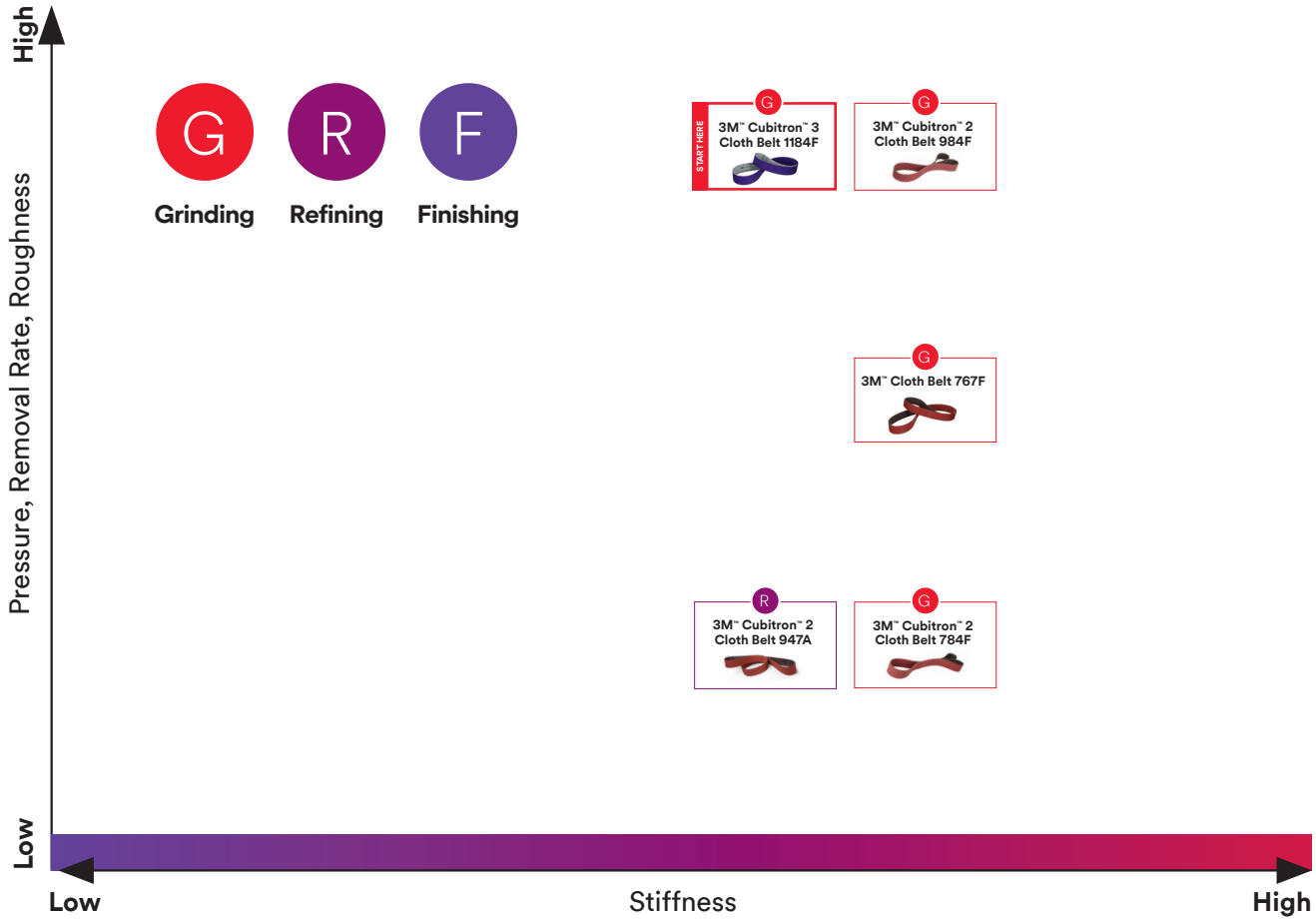


Recommended Starting Point	Portable File Belt	Coarse Grade High Pressure Grinding	Backstand/ Off Hand Low-Med Pressure	Stroke Sander	Bench Top Belt Sander	Slack of Belt Sander	Centerless and Roll Grinding		Flat and Wide Belt Finishing	
							Dry	Wet	Dry	Wet
Carbon Steel and Cast Iron										
Recommended	784F	1184F/984F	1184F/984F	767F	784F	—	784F	1184F/984F	767F	767F
Alternative	767F	—	784F	784F	767F	947A	—	784F	—	—
Stainless Steel and Cobalt Chrome										
Recommended	784F	1184F/984F	784F	784F	784F	—	784F	1184F/984F	784F	767F
Alternative	947A	—	1184F/984F	947A	767F	947A	—	784F	—	—
Finishing/Polishing	237AA	—	947A	237AA	237AA	—	—	—	—	—
	—	—	237AA	—	—	—	—	—	237AA	—
Aluminum and Soft Substrates										
Recommended	981F	1184F/984F	—	—	—	—	784F	784F	—	—
Alternative	784F	767F	784F	784F	784F/767F	947A	—	—	767F	767F
Finishing/Polishing	—	784F	—	—	—	—	—	—	—	—
	—	—	—	767F	767F	—	—	—	—	—
Titanium										
Recommended	784F	1184F/984F	1184F/984F	—	784F	—	—	—	—	—
Alternative	—	—	—	—	—	947A	N/A	784F	N/A	767F
Finishing/Polishing	947A	—	—	—	—	—	N/A	—	N/A	—
Glass										
Recommended	—	—	784F	—	784F	—	—	—	—	—

*Recommended is the potential best starting point based on the application. Alternative is another option based either on a different flexibility and durability need, or a possible lower initial belt cost. Value shown in belt process can be viewed as an increase in throughput, lower overall belt cost, and faster sanding or grinding time.

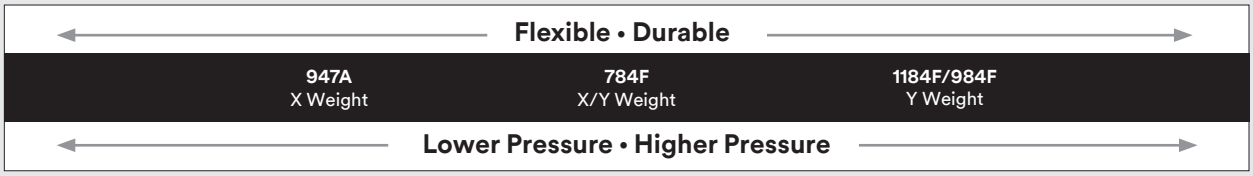
Abrasives Belt Application Guide

From robots to backstands to cylindrical grinders, 3M™ Cubitron™ cloth belts allow heat-sensitive metals to stay cool for less rework. Belt grinding and sanding equipment run efficiently for fewer changeovers, taking productivity to a whole new level. 3M™ Advanced series belts provide long-lasting performance at a value price.



Note: Scale is relative to the product type.

3M™ Coated Belt Backing Guide



Abrasive Speed Recommendations for Off-Hand Applications

Alloy	Belt Speed (surface feet per minute)	Application Belt Grades
Cast Iron	7,000	24–120
Carbon Steel	6,500	24–120
Stainless Steel	6,500–7,000	36–120
Nickel Alloys	6,000	36–120
Titanium	1,000–3,000	24–180
Aluminum	7,500–8,500	24–120
Brass	7,000–8,000	36–180
Rubber	4,500	36–180
Glass	2,000–7,000	80–400

Note: For metals, finer grades (120 and finer) should be run slower.

Abrasive Belt Systems

3M™ Coated Belt Availability Guide

3M ID	Mineral	Backing Weight	Grinding Aid	Use (Dry/Wet)	20	24	36	40	50	60	80	100	120	150	180	220	240	320	400	600
1184F	3M Precision-Shaped Grain	YF	Yes	Dry/Wet			✓●			✓●	✓●									
984F		YF	Yes	Dry/Wet			✓●		✓●	✓●	✓●		✓●							
784F	A/O Ceramic Blend	XF/YF	Yes	Dry/Wet			■●		■●	✓●	■●		■●	✓●	■●					
767F		YF	Yes	Dry/Wet			✓●			✓●	✓●		✓●							

✓ = available in all standard widths
■ = available in extra wide widths
● = available in file belt sizes
P = FEPA Grade

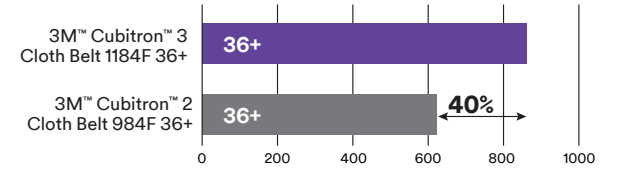


A new era of abrasive performance is here.

The first time you use the 3M™ Cubitron™ 3 Cloth Belt 1184F, with re-engineered 3M Precision-Shaped Grain, you'll instantly notice the difference. We've taken the legendary cutting speed and life of 3M™ Cubitron™ Performance Abrasives to a new level—outperforming our original 3M™ Cubitron™ 2 Cloth Belt 984F.

36+

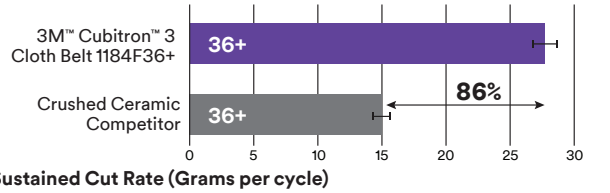
Up to 40%
more material removed compared to 3M™ Cubitron™ 2 Belt 984F



Material Removed (Grams)

Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: the total material removed in grams at 40 cycles.

Up to 86%
faster sustained cut rate compared to a crushed ceramic competitor

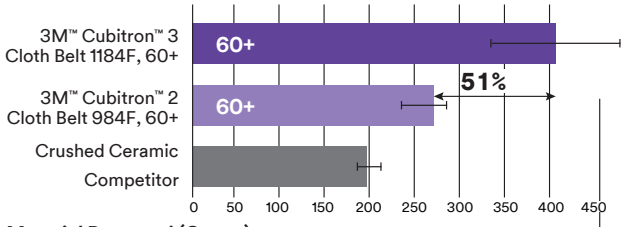


Sustained Cut Rate (Grams per cycle)

Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Error bars = 95% confidence interval. Cut rate: the total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

60+

Up to 51%
more material removed compared to 3M™ Cubitron™ 2 Belt 984F



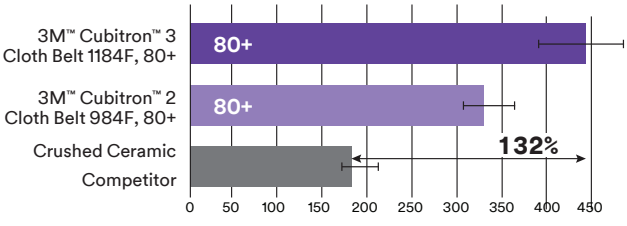
Material Removed (Grams)

Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45cycles.

Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

80+

Up to 132%
more material removed compared to a crushed ceramic competitor



Material Removed (Grams)

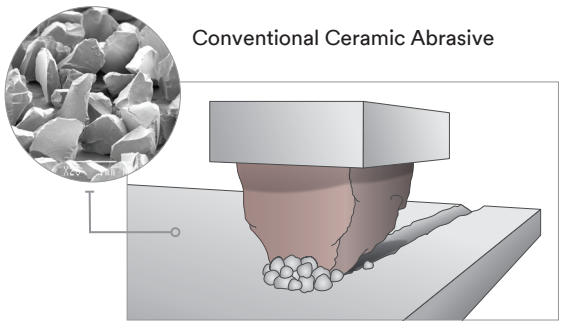
Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45cycles.

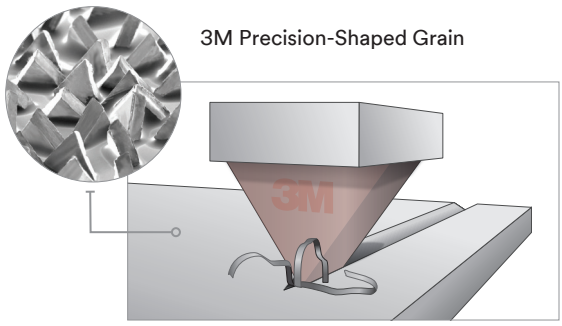
Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

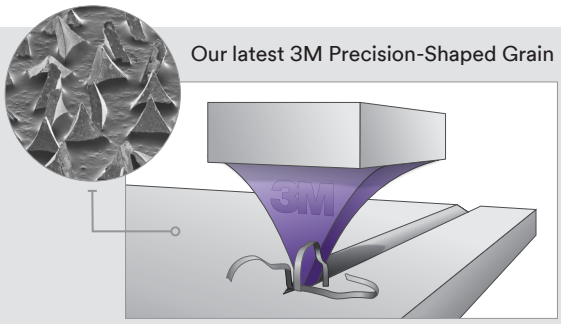
3M reshaped and improved 3M Precision-Shaped Grain.

Conventional ceramic abrasive grain tends to “plow” through metal, causing heat to build up in the workpiece and abrasive, resulting in a slower cut and shorter abrasive life.

3M pioneered the first Precision-Shaped Grain using 3M microreplication technology to form consistent sharp peaks that easily “slice” through metal—cutting cooler, faster, and lasting longer than conventional abrasive grain.







3M Cubitron™ 3
Performance Abrasives

Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in grain shape. This helps increase productivity and lower overall grinding costs.

3M™ Cubitron™ 3 Cloth Belt 1184F, 36+ YF-weight



- Re-engineered 3M Precision-Shaped Grain designed help increase cut rate and abrasive life to boost productivity
- Built for manual and automated applications
- Fewer changeouts needed and less downtime
- Cuts with less pressure, helping reduce the demands on operators
- INOX and Contaminant Free
- Available in 36+ grit for medium and high-pressure applications like gate grinding and other heavy grinding

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100313150	36+	3 - 300	260 - 9,000

3M™ Coated Abrasive Belts

3M™ Cubitron™ 2 Abrasive Belt 984F



- Made with revolutionary 3M Precision-Shaped Abrasive Grain technology
- YF weight backing
- Average up to 30% faster cutting on hard-to-grind metals than the next-best competitive belt
- Lasts up to 4 times as long as conventional ceramic aluminum oxide belts
- Cuts cooler — diverts heat from the work piece and belt to the swarf
- Helps eliminate burnishing and heat stress
- Reduces changeouts and downtime in robotic and pressure assisted applications and in manual operations.

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100082475	120+	3 - 300	260 - 9,000
7100007990	36+	3 - 300	260 - 9,000
7100007991	60+	3 - 300	260 - 9,000
7100007992	80+	3 - 300	260 - 9,000

†Made-to-Order

3M™ Cubitron™ 2 Cloth Belt 947A



- Made with revolutionary 3M Precision-Shaped Abrasive Grain technology
- Flexible X weight poly-cotton backing
- Optimized for low-medium pressure applications on stainless, mild steel and aluminum

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100023178	120+	3 - 300	260 - 9,000
7100171627	40+	3 - 300	260 - 9,000
7100023234	60+	3 - 300	260 - 9,000
7100023179	80+	3 - 300	260 - 9,000

3M™ Cubitron™ 2 Cloth Belt 784F



- Excellent in low/medium pressure applications on a variety of different metals
- Strong value for medium pressure grinding and dimensioning
- Polyester waterproof backing
- Available in grades 36+ to 180+

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100091829	120+	3 - 300	260 - 9,000
7100091833	180+	3 - 300	260 - 9,000
7100171629	36+	3 - 300	260 - 9,000
7100091825	60+	3 - 300	260 - 9,000
7100091827	80+	3 - 300	260 - 9,000

3M™ Cloth Belt 767F



- Delivers long-lasting performance and versatility at a value price
- Contains 3M Precision-Shaped Grain, which cuts faster and lasts longer than conventional abrasive grain
- Proven to outperform traditional alumina zirconia belts in cut rate and life
- Ideal for use on carbon steel, stainless steel and aluminum
- Constructed on a Y-weight polyester cloth backing

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100266292	120+	3 - 300	260 - 9,000
7100266289	36+	3 - 300	260 - 9,000
7100266290	60+	3 - 300	260 - 9,000
7100266291	80+	3 - 300	260 - 9,000

3M™ Trizact™ Belts

Featuring precisely-shaped, three-dimensional abrasive structures, our 3M™ Trizact™ Abrasives are ideal for work where consistent, refined finishes are essential. 3M microreplication technology makes Trizact more consistent and uniform than any conventional abrasive. Trizact also runs cooler vs. conventional abrasives – excellent for grinding, and for working with substrates that can easily discolor. Micron-graded mineral abrasives can help you achieve fine finishes even to tough surfaces like stainless steel, chromium, nickel and cobalt-based materials. What's more, 3M™ Trizact™ Abrasives continually expose fresh cutting surfaces as they wear. The results are unmistakable: higher productivity, longer abrasive life, lower and more consistent reject rates, and uniformly smooth and refined finishes.

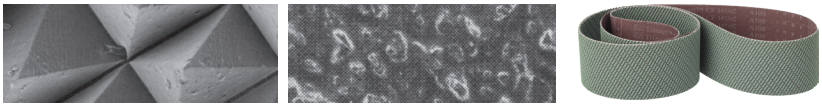
3M™ Trizact™ Belt Grading System

The unique construction of Trizact™ abrasives requires a different grading system. Grade is defined by the average particle size in microns and begins with an "A".

3M™ Trizact™ Abrasive Grading	
Trizact Abrasive Grade	**FEPA (P-Grade) / JIS (Mesh)**
A6	P2000
A16	P1200
A30	P600
A45	P400
	P320
A65	—
	P240
A100	P180
A160	P120

The Difference is in the Construction

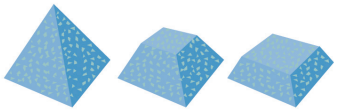
Trizact abrasives allow you to say "goodbye" to erratic, inconsistent finishes generated by conventional coated abrasives. Here's why:



Three-dimensional structures uniformly distributed over the entire surface of 3M™ Trizact™ Abrasives (left) ensure consistent performance and eliminate belt-to-belt variation. Conventional abrasives (right), which feature randomly arranged minerals, wear and finish unevenly.



Conventional abrasives start out sharp, but they dull quickly.



3M™ Trizact™ Abrasives have three-dimensional structures containing multiple layers of abrasive mineral. As these pyramid-like structures wear, fresh, sharp mineral is exposed.

Typical Finishes Generated by Trizact™ Abrasives – Surface Finish Measurements, Ra (in micro-inches)

Mineral	Grade	Steel	Stainless	Brass	Aluminum	Titanium
Aluminum Oxide	A6	3-4	2-3	3-5	3-5	4-7
	A16	6-10	6-10	9-11	13-15	8-12
	A30	10-15	10-15	15-18	29-33	14-20
	A45	24-30	26-30	28-32	30-45	25-30
	A65	38-42	37-42	41-44	44-48	35-42
	A100	46-55	44-46	55-63	51-62	40-48

Note: Finish ranges were produced by off-hand grinding and finishing methods. Finish ranges are typical and should be used only as a guideline. Actual results may vary depending on belt speed, contact wheel, backing, shape of part, and type of particular metal.

3M™ Trizact™ Cloth Belt 237AA



- Semi-flexible abrasive
- Aluminum oxide mineral
- Great choice for most metal finishes

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100007877	A100	3 - 300	260 - 9,000
7100007878	A16	3 - 300	260 - 9,000
7100007879	A160	3 - 300	260 - 9,000
7100007880	A30	3 - 300	260 - 9,000
7100007881	A45	3 - 300	260 - 9,000
7100007882	A6	3 - 300	260 - 9,000
7100007883	A65	3 - 300	260 - 9,000

†Made-to-Order

Scotch-Brite™ Surface Conditioning Belts

The easiest way to a perfect finish. Choose Scotch-Brite™ Surface Conditioning Belts for cleaning, finishing, blending and deburring. The reinforced backing offers good flexibility whether working on a file belt or backstand. The nonwoven material combined with abrasive grain is an ideal way to add a great finish or remove burrs without gouging or undercutting the work piece. Trust Scotch-Brite™ Belts to deliver fantastic finishes.

Choose the Right Belt for the Job

Scotch-Brite™ Surface Conditioning Belt Guide

Trust Scotch-Brite™ Belts to deliver fantastic finishes.

Recommended Backings ✓ = Recommended Starting Point ✓ = Secondary Starting Point		File Belt	In-Line Sander	Stroke Sander	Back Stand	Centerless / Cylindrical	Flat Finishing
Scotch-Brite™ SC Surface Conditioning Belt	Scrim	✓	✓				
	Low Stretch*				✓	✓	✓
	Film Backed			✓			
Scotch-Brite™ Durable Flex (DF) Surface Conditioning Belt	Low Stretch*	✓	✓		✓	✓	✓
Scotch-Brite™ SE Surface Conditioning Belt	Scrim	✓	✓				
	Low Stretch*				✓	✓	✓
	Film Backed			✓			

*Low stretch is ideal for high tension or long belt applications

Flexible Resistant to chunking	Multipurpose The original multipurpose surface conditioning belt	Heavy Duty Holds up to sharp edges and burrs
DF CRS	SC CRS	SE CRS
DF MED	SC MED	SE MED
DF FIN	SC VFN	SE FIN
	SC SFN	

More Aggressive

CRS Coarse

MED Medium

FIN Fine

VFN Very Fine

SFN Super Fine

Finer Finish

Recommended Operating Speeds	
Application	**SFPM**
Decorative Finishing	500 – 3,000
Deburring	5,000 – 6,500
Cleaning and Conditioning	2,000 – 5,000
Oxide Removal	4,500 – 6,500
Maximum Operating Speed: 6,500 SFPM SFPM = Surface Feet Per Minute	

Scotch-Brite™ Surface Conditioning Belts

Scotch-Brite™ Surface Conditioning Scrim Backed Belt



- Largest grade selection of Scotch-Brite™ belts – ACRS to SSFN.
- Go-to Scotch-Brite™ surface conditioning nonwoven web
- Designed for cleaning, finishing, blending and light deburring
- For use on portable, benchtop and backstand equipment

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100013534	A CRS	3 - 300	260 - 9,000
7100012358	A MED	3 - 300	260 - 9,000
7100012347	A VFN	3 - 300	260 - 9,000
7100012085	S SFN	3 - 300	260 - 9,000

†Made-to-Order

Scotch-Brite™ Durable Flex (DF) Surface Conditioning Belts



- Durable flex belt has great edge durability
- Aggressive and long lasting belt for deburring, finishing, blending and cleaning
- The reinforced low-stretch backing offers good flexibility

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100013687	A CRS	3 - 300	260 - 9,000
7100012444	A FINE	3 - 300	260 - 9,000
7100013155	A MED	3 - 300	260 - 9,000

†Made-to-Order

Scotch-Brite™ SE Surface Conditioning Low Stretch Belt



- Tough, aggressive nonwoven belt for heavy duty deburring and finishing
- For use on backstand and benchtop equipment
- Reinforced backing offers good flexibility
- Distinctive blue backing

3M ID	Grade	Width Range (mm)	Length Range (mm)
7100051144	A CRS	3 - 300	260 - 9,000
7100012150	S VFN	3 - 300	260 - 9,000

†Made-to-Order



Attention: Belts are available in other grades and sizes. If you need a specific belt not listed, contact your 3M Sales Specialist or 3M Authorized Distributor.

Abrasive Grade Comparison Guide

ANSI	FEPA "P"	Trizact™	Micron (u)	Scotch-Brite™ Grade*
12				
16	P12			
	P16			
16				
	P20			
20				
	P24			
24				
	P30			
30				
36				
	P36			
40				
	P40			
50		A500		
	P50			
60		A400		
	P60			
	P80	A300		
80			180	
	P100	A200	150	
100				Extra Coarse
	P120	A160	120	
120				Coarse
			100	
	P150	A130		
150		A110		Medium
180	P180	A100	80	
220				
	P220	A90		
		A80	60	
	P240	A75		
240		A65		Fine
	P280			
		A60	50	
	P320			
280			40	
	P360			
320				Very Fine
	P400	A45	35	
	P500		30	
360				
	P600	A30		
400				
	P800	A25	22	
			20	
500				
	P1000	A20	18	
600				Super Fine
	P1200	A16		
			15	
	P1500	A10		
800			12	
	P2000		10	
1000				Ultra Fine
			9	
		A7		
1200		A6		
		A5	5	Micro Fine
1500		A3	3	
2000			1	

Notes

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Find a 3M Sales Rep

Looking for support? Our dedicated team of abrasive specialists are excited to collaborate with you to improve your throughput and quality with our latest technologies.

Scan the QR code to find our nearest abrasives specialist near you.

Prices subject to change without notice.

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