

3M Science.
Applied to Life.™

3M Abrasives Product Catalog

3M
Xtract™
Clean Sanding Solutions



Cubitron™ 3
Performance Abrasives



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.

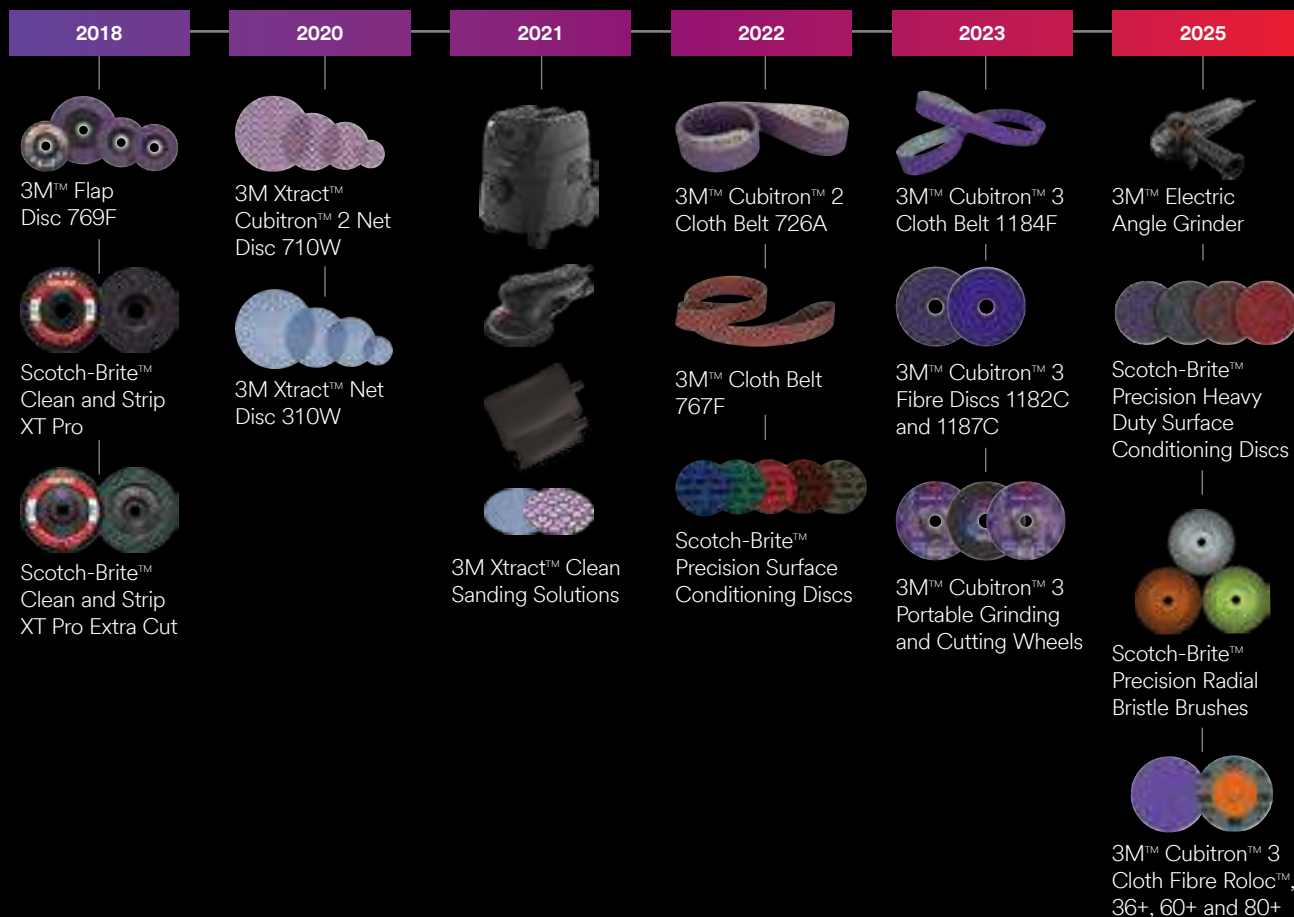
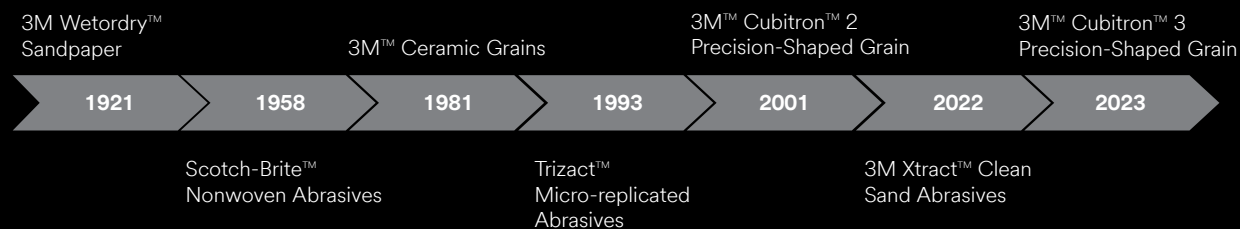


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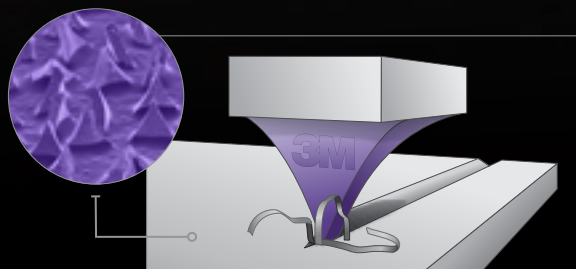
- 127 Abrasive Grade Comparison Guide

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

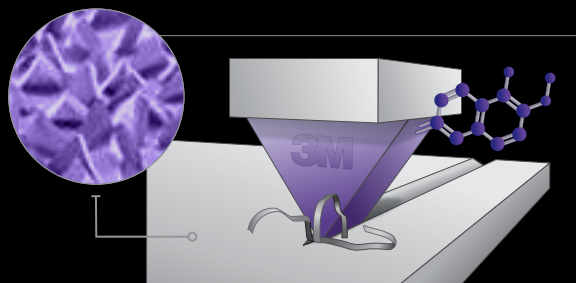
Re-shaping the way work gets done.



Cubitron™ 3
Performance Abrasives

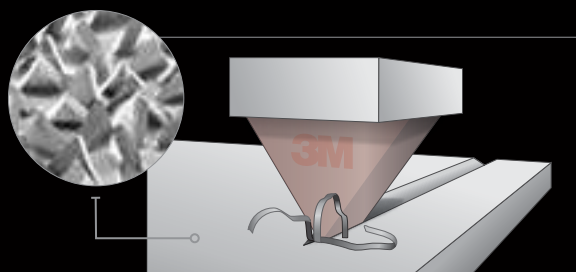
◀ Our latest 3M Precision-Shaped Grain

Re-engineered precision-shaped ceramic grain using a proprietary breakthrough in grain shape with curved sides.



◀ Our latest 3M Precision-Shaped Grain

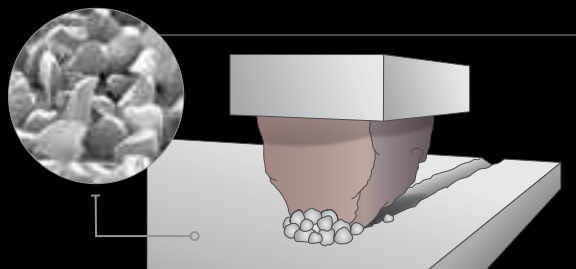
Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in molecular bonded technology.



Cubitron™ 2

◀ 3M Precision-Shaped Grain

3M pioneered the first precision-shaped Grain using 3M micro-replication 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



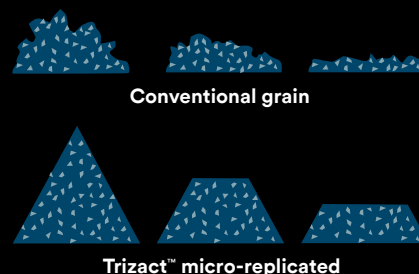
Why 3M™ Trizact™ Abrasives?

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 micro-replication 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-micro-replicated abrasive.



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

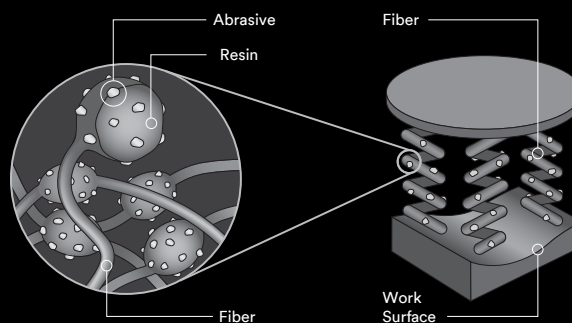
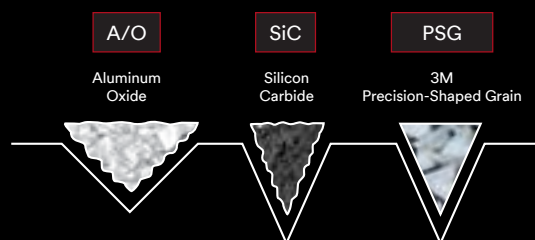
Aluminum Oxide mineral is blockier and more durable than SiC, which provides a longer life as the mineral breaks down at a slower rate. A/O is commonly used for a wide range of applications.

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!



3D Open Web

Spring Action



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.

Work with your 3M sales professional to connect you to the CAM Center or contact us directly at our 3M Abrasives Helpline **1-866-279-1235**

Find out more at

3M.com/3M/en_US/metalworking-us/resources/application-expertise-partnerships

Find a 3M Sales Rep

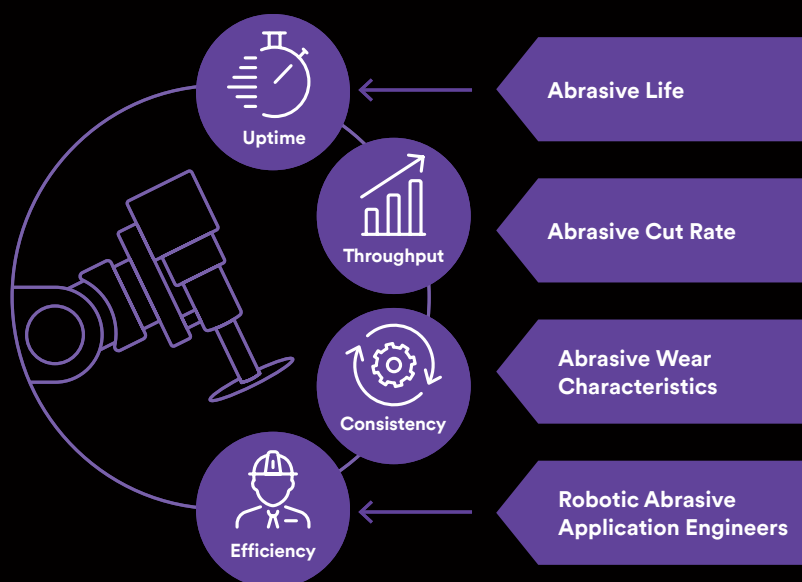
Looking for support? Our dedicated team of abrasive specialists are excited to collaborate with you to improve your throughput and quality with our latest technologies.

Scan the QR code or visit us at 3M.com/RepFinder 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 Abrasives sustainability benefits during customer use

Manufacturing products that are more sustainable isn't just about the 'feel good factor'. At 3M we believe it shouldn't be a choice between performance and sustainability. It is possible to have both.

The next generation of 3M Abrasives delivers:

 Science for Circular

 Science for Climate

 Science for Community

Longer life can help put less waste to landfill

Up to
3x



3M™ Cubitron™ 3 Cut-Off Wheels last up to **3X longer** than previous Cubitron™ II wheels.¹

Up to
34%



3M™ Cubitron™ 3 Fibre Discs remove up to **34% more material** compared to competitive shaped grain fiber discs.²

Up to
3x



3M™ Scotch-Brite™ Precision Surface Conditioning Discs finish **3X more aluminum parts** compared to competitive premium nonwoven abrasives.³

More speed can help reduce energy consumption

Due to less time running tools

Up to
36%



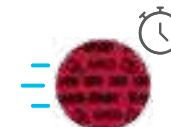
3M™ Cubitron™ 3 Fibre Discs deliver up to **36% faster** sustained cut-rate compared to competitive shaped grain fiber discs.²

Up to
10%



3M™ Cubitron™ 3 Cut-Off Wheels deliver up to **10% faster** cut-rate compared to previous Cubitron™ II wheels.¹

Up to
40%



3M™ Scotch-Brite™ Precision Surface Conditioning discs deliver up to **40% faster** cut-rate compared to competitive premium nonwoven abrasives.⁴

¹ Results are based on an automated cutting of a 3 mm thick 304 stainless steel sheet. Cut-off wheel geometry is 125 mm x 1.6 mm x 22 mm mounted on a 1.5 hp angle grinder with an applied force of 9 lb. Cut speed is defined by time needed to cut 1 meter of stainless steel. The number of cuts is estimated by the amount of wheel that was used after cutting a distance of 1 meter. End of life is assumed to be 50% of initial wheel mass.

² Compared to Competitive Shaped Grain Fiber Disc. Results are based on an automated, 30-minute, high pressure test on 1018 steel using 7 inch, 36+ grit fiber discs and 3M™ Disc Pad Face Plate Ribbed 80514 on a servo motor.

³ Based on 3M internal testing: 3" discs were tested robotically on 6061 aluminum until the end of life (end of life is determined to be 50% of the averaged cut rate of the first three minutes) using a 3" 3M™ Hard Back-Up, part number: 45091.

⁴ Based on 3M Internal Testing: 3" discs were tested robotically on 304 series stainless steel for 12 minutes, using a 3" 3M™ Hard Back-Up, part number: 45091.

Scotch-Brite™
Surface Conditioning Discs



3M

Cubitron™ 3
Performance Abrasives

Helping to reduce operator hazard exposure in manual operations and support to move to automation means better worker safety 🟡

Up to
88%



3M™ Cubitron™ 3 Fibre Discs help to reduce hand-arm vibration by up to **88%** when compared to other high-quality grinding wheels.⁵

Up to
70%



3M™ Cubitron™ 3 Fibre Discs help to minimize noise energy generation by up to **70%** when compared to other high-quality grinding wheels.⁶

Up to
99%



3M Xtract™ Discs enable virtually dust free sanding, leading to **less airborne particles** in the workplace and helping create a cleaner work environment.

Sustainability across processes



Cutting

3M™ Cubitron™ 3 Cut-Off Wheels



Refining

3M™ Scotch-Brite™ Precision Surface Conditioning Discs



Grinding

3M™ Cubitron™ 3 Fibre Discs



Sanding

3M Xtract™ Sanding System

⁵ Performance testing in a typical weld preparation process; 3M™ Cubitron™ 3 Fibre Disc average compared to the average result of 10 globally selected high-quality competitive type 27 grinding wheels including ceramic grain products, according to independent testing by Fraunhofer Institute. January 2024.

⁶ Noise energy operator exposure testing in a typical weld preparation process; 3M™ Cubitron™ 3 Fibre disc average compared to the average result of 10 globally selected high-quality competitive type 27 grinding wheels including ceramic grain products, according to independent testing by Fraunhofer Institute. January 2024.

3M Abrasives sustainability benefits during manufacture

Responding to industry requirements for sustainability, improved productivity and continued worker safety, here at 3M some of our major abrasive product manufacturing facilities not only reduce plant waste but are now more energy efficient and have improved raw material sourcing in respect to circularity.

The next generation of 3M Abrasives delivers:



Science for
Circular



Science for
Climate



Science for
Community

Improved plant waste management

80t

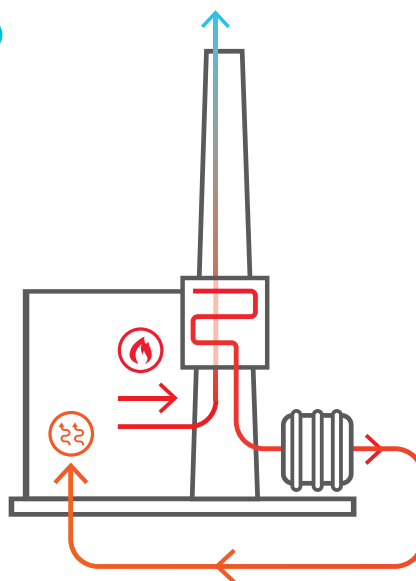


Projected landfill waste reduction of **80 tons per year in 2024** across our two largest coated abrasives manufacturing plants.

Increased energy efficiency

12 GWh

Up to **12 GWh** of recuperated heat energy annually (saving 2.98 tons of CO₂ emissions) at a bonded abrasives plant in Villach, Austria, starting 2025.





Cubitron™ 3
Performance Abrasives

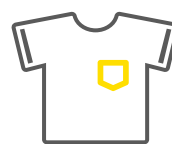
More circular materials sourcing ● ●



+30%

3M™ Cubitron™ 3 Cut-Off Wheels moisture-barrier bags made using **30+%** post-consumer recycled materials.

80t



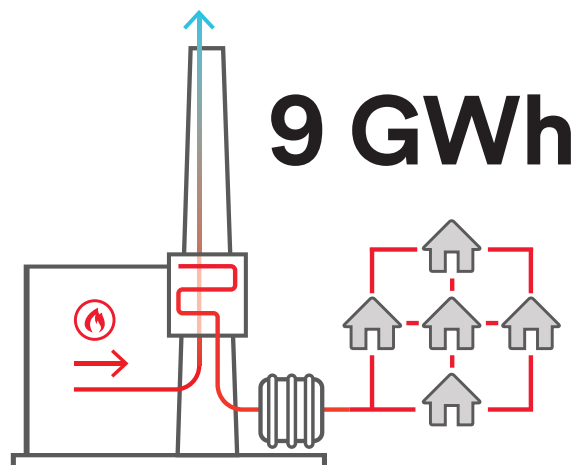
3M™ Cubitron™ 3 Fibre Discs manufactured using vulcanized fiber backing made from **100%** recycled cotton textiles.

Community benefits ●



+\$110,000

Amplifying career opportunities in the skilled trades by donating over **\$110k** in cash awards and products to students pursuing careers in welding and metal fabrication.



9 GWh

Projected delivery of up to **9 GWh** back to the public heating grid annually from a bonded abrasives plant in Villach, Austria.





“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™ 1900 W 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.”



Cubitron™ 3
Performance Abrasives

What's New!

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

3M™ Cubitron™ 3 Fibre Discs and Roloc™ 1182C and 1187C, 36+

Now Available in 60+ and 80+



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 21 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 15 to find out more.

3M™ Cubitron™ 3 Cloth Belt 1184F

A new spin on saving time and
labor costs.

Now Available in 36+, 60+ and 80+



Up to

40%

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

Available in Various Sizes, turn to
page 78 to find out more.



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



Xtract™

Clean Sanding Solutions

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



Net Backing

Grades Available:
80+ to 320+



Film Backing

Grades Available:
80+ to 400+



Paper Backing

New Grades Available:
80+ to 1000+



Cloth Backing

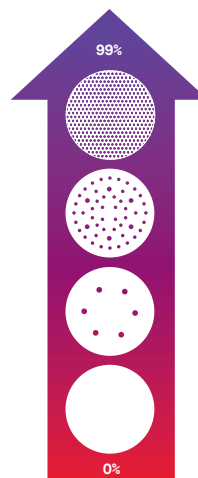
Grades Available:
40+ to 320+

Virtually Dust-free Sanding Solutions

The high-performance 3M Xtract™ Clean Sanding System is ergonomically designed for ease of use and optimal dust extraction.



Visit for more information about
the 3M Xtract™ Solutions
[3M Xtract™ Clean Sanding Solutions](#)



Delivers up to
99%
dust extraction
with the right tools



With
Precision-Shaped
Grain

Scotch-Brite™ Precision and Precision Heavy Duty 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
- ▶ Tough enough for heavy duty use on high pressure applications
- ▶ Edge durability and shape retention during edge wear
- ▶ Solutions available for low pressure and high pressure applications



Low Pressure



High Pressure



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!



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

Precision ▶

Very Fine

Fine

Medium

Coarse

Extra Coarse

New

Precision Heavy Duty ▶

Medium
150+

Coarse
120+

Extra Coarse
80+

X-Extra
Coarse 60+



Finer Finish / Less Aggressive

Coarser Finish / More Aggressive

Available in sizes ¾", 1", 1-½", 2", 3" and 4"
Turn to page 50 to find out more.

Available in sizes 4-½", 5", 6" and 7"
Turn to page 30 to find out more.

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

What's New!

Powerful performance that's easy to handle.



3M™ Electric Angle Grinder, 11129, 4.5-5 inch Paddle Switch

Also available in 4.5-5 inch slide switch (11130) and 6 inch paddle switch (11131)



Restart Protection

Requires cycling of trigger to the off position for tool to restart if power is lost.



Kickback Control

Shuts the tool down quickly when kickback is detected.



Drop Control

Detects when the tool is dropped and shuts it down.



Brake System

Brings accessory to a stop when tool is turned off.

For 3M™ Power Tool Warranty and Repair Service, call 1-800-362-3550 in the US, 1-800-268-6235 or email caservice@mmm.com in Canada.



► 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
- Available with quick change attachment



3M ID	Dia x Thk x AH (Inch)	Max RPM	Min/Case
T27			
7100303965	4" x 1/4" x 3/8"	15,300	10/20
7100303964	4" x 1/4" x 5/8"	15,300	10/20
7100303966	4-1/2" x 1/4" x 7/8"	13,300	10/20
7100303967	5" x 1/4" x 7/8"	12,250	10/20
7100313193	6" x 1/4" x 7/8"	10,200	10/20
7100313198	7" x 1/4" x 7/8"	8,500	10/20
7100313202	9" x 1/4" x 7/8"	6,650	10/20
T27 Quick Change			
7100312968	4-1/2" x 1/4" x 5/8-11" INT	13,300	10/10
7100312967	5" x 1/4" x 5/8-11" INT	12,250	10/10
7100312966	6" x 1/4" x 5/8-11" INT	10,200	10/10
7100312965	7" x 1/4" x 5/8-11" INT	8,500	10/10
7100312964	9" x 1/4" x 5/8-11" INT	6,650	10/10
Single Packs			
7100317727	4-1/2" x 1/4" x 7/8"	13,300	10/10
7100316886	4-1/2" x 1/4" x 5/8-11"	13,300	10/10

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 (Inch)	Max RPM	Min/Case
T27			
7100141077	4" x 1/4" x 3/8"	15,300	10/20
7100141076	4" x 1/4" x 5/8"	15,300	10/20
7100141079	4-1/2" x 1/4" x 7/8"	13,300	10/20
7100141078	5" x 1/4" x 7/8"	12,250	10/20
7010414997	6" x 1/4" x 7/8"	10,200	10/20
7010412151	7" x 1/4" x 7/8"	8,500	10/20
7010410647	9" x 1/4" x 7/8"	6,650	10/20
T27 Quick Change			
7100245024	4-1/2" x 1/4" x 5/8-11"	13,300	10/20
7100245020	5" x 1/4" x 5/8-11"	12,250	10/20
7100244821	6" x 1/4" x 5/8-11"	10,200	10/20
7010412150	7" x 1/4" x 5/8-11"	8,500	10/20
7010409732	9" x 1/4" x 5/8-11"	6,650	10/20

3M™ General Purpose Wheel – T27*

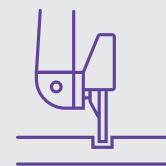
- Aluminum oxide mineral
- Durable wheel provides exceptionally long life at a value price
- Excellent, economical choice for general purpose grinding on steel



3M ID	Dia x Thk x AH (Inch)	Grade	Max RPM	Qty/Case
T27				
7010359907	4-1/2" x 1/4" x 7/8"	24	13,300	40
7010359908	4-1/2" x 1/4" x 5/8-11" INT	24	13,300	40
7000118487	7" x 1/4" x 7/8"	24	8,500	20
7010325743	7" x 1/4" x 5/8-11" INT	24	8,500	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.



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*

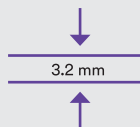
- Breakthrough proprietary molecular bonding technology
- Versatile — can be used as both a grinding wheel and a cut-off wheel
- Optimized for use on mild steel and stainless steel — for cutting, gouging, beveling, notching and fillet weld removal
- Available with quick change attachment



3M ID	Dia x Thk x AH (Inch)	Max RPM	Min/Case
T27			
7100305149	4-1/2" x 1/8" x 7/8"	13,300	10/20
7100305151	5" x 1/8" x 7/8"	12,250	10/20
7100313586	6" x 1/8" x 7/8"	10,200	10/20
7100313588	7" x 1/8" x 7/8"	8,500	10/20
7100313759	9" x 1/8" x 7/8"	6,650	10/20
7100305152	4" x 5/32" x 3/8"	15,300	10/20
7100303968	4-1/2" x 5/32" x 7/8"	13,300	10/20
7100305444	5" x 5/32" x 7/8"	12,250	10/20
7100313552	6" x 5/32" x 7/8"	10,200	10/20
7100313206	7" x 5/32" x 7/8"	8,500	10/20
7100313199	9" x 5/32" x 7/8"	6,650	10/20
T27 Quick Change			
7100313760	4-1/2" x 1/8" x 5/8-11"	13,300	10/10
7100313204	5" x 1/8" x 5/8-11"	12,250	10/10
7100313205	6" x 1/8" x 5/8-11"	10,200	10/10
7100313195	7" x 1/8" x 5/8-11"	8,500	10/10
7100313197	9" x 1/8" x 5/8-11"	6,650	10/10
7100313194	4.5" x 5/32" x 5/8-11"	13,300	10/10
7100313550	5" x 5/32" x 5/8-11"	12,250	10/10
7100313196	6" x 5/32" x 5/8-11"	10,200	10/10
7100313551	7" x 5/32" x 5/8-11"	8,500	10/10
7100313203	9" x 5/32" x 5/8-11"	6,650	10/10
Single Packs — T27 Quick Change Attachment			
7100317773	6" x 1/8" x 5/8-11"	N/A	10/10
7100316747	6" x 5/32" x 5/8-11"	N/A	10/10

Range Expansion

We've added a 3.2 mm option for applications requiring a thinner cutter profile. A thinner wheel makes it cut faster too!



3M™ Cut & Grind Wheels

- Versatile, rigid reinforced resin bonded wheel can be used as both a grinding wheel and cut-off wheel
- Powered by 3M Precision-Shaped Grain for a fast cut and long abrasive life
- Deliver a great combination of performance and value
- Designed for cutting and grinding on mild steel and stainless steel



3M ID	Dia x Thk x AH (Inch)	Max RPM	Min/Case
T1			
7100214075	4" x 1/8" x 3/8"	15,300	10/20
T27 Quick Change			
7100213972	4" x 1/8" x 3/8"	15,300	10/20
7100212647	4" x 1/8" x 5/8"	15,300	10/20
7100245014	4-1/2" x 1/8" x 5/8-11"	13,300	10/20
7100214084	4-1/2" x 1/8" x 7/8"	13,300	10/20
7100245015	5" x 1/8" x 5/8-11"	12,250	10/20
7100214086	5" x 1/8" x 7/8"	12,250	10/20
7100245021	6" x 1/8" x 5/8-11"	10,200	10/20
7100219761	6" x 1/8" x 7/8"	10,200	10/20
7100218056	7" x 1/8" x 5/8-11"	8,500	10/20
7100219187	7" x 1/8" x 7/8"	8,500	10/20
7100218043	9" x 1/8" x 5/8-11"	6,650	10/20
7100219186	9" x 1/8" x 7/8"	6,650	10/20
Single Packs — T27 Quick Change Attachment			
7100245019	4-1/2" x 1/8" x 5/8-11"	13300	10/10

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



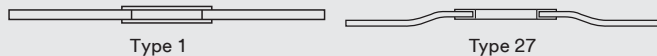
Right Angle Disc Systems

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

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



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 (Inch)	Max RPM	Min/Case
T1			
7100303860	3" x 0.035" x 1/4"	21,000	25/50
7100303859	3" x 0.035" x 3/8"	21,000	25/50
7100303858	3" x 0.045" x 3/8"	21,000	25/50
7100303857	4" x 0.035" x 3/8"	21,000	25/50
7100304004	4" x 0.045" x 3/8"	21,000	25/50
7100304005	4" x 1/8" x 3/8"	21,000	25/50
7100304307	4.5" x 0.04" x 7/8"	13,300	25/50
7100304006	4.5" x 0.045" x 7/8"	13,300	25/50
7100304007	5" x 0.045" x 7/8"	12,250	25/50
7100313190	6" x 0.045" x 7/8"	10,200	25/50
7100313189	7" x 0.45" x 7/8"	8,500	25/50

3M™ Cubitron™ 3 Cut-Off Wheels – T27

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



3M ID	Dia x Thk x AH (Inch)	Max RPM	Min/Case
T27			
7100304308	4-1/2" x 0.045" x 7/8"	13,300	25/50
7100304009	4-1/2" x 0.125" x 7/8"	13,300	25/50
7100304010	5" x 0.045" x 7/8"	12,250	25/50
7100304011	5" x 0.09" x 7/8"	12,250	25/50
7100304009	5" x 0.125" x 7/8"	12,250	25/50
7100313201	6" x 0.045" x 7/8"	10,200	25/50
7100313191	7" x 0.09" x 7/8"	8,500	25/50
7100313192	4-1/2" x 0.045" x 5/8-11"	13,300	10/10
T27 Quick Change			
7100313187	4-1/2" x 1/8" x 5/8-11"	13,300	10/10
7100313200	4-1/2" x 0.09" x 5/8-11"	13,300	10/10
7100313192	4-1/2" x 0.045" x 5/8-11"	13,300	10/10
7100313188	6" x 0.045" x 5/8-11"	10,200	10/10
7100312963	7" x 0.09" x 5/8-11"	8,500	10/10
Single Packs			
7100317566	4-1/2" x 0.045" x 7/8"	13,300	10/10
7100317466	6" x 0.045" x 7/8"	13,300	10/10

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



Make it a winning combination!

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



Winning
Combinations



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™ Cut-Off Wheels

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 (Inch)	Max RPM	Min/Case
T1			
7100138406	3" x .035" x 1/4"	25,465	25/50
7100139208	3" x .035" x 3/8"	25,465	25/50
7100139210	3" x .060" x 3/8"	25,465	25/50
7100139212	4" x .035" x 1/4"	19,100	25/50
7100139214	4" x .035" x 3/8"	19,100	25/50
7100139215	4" x .060" x 3/8"	19,100	25/50
7100141050	4" x 0.125" x 3/8"	19,100	25/50
7100139226	4-1/2" x .040" x 7/8"	13,300	25/50
7100139228	4-1/2" x .045" x 7/8"	13,300	25/50
7100139236	5" x .045" x 7/8"	12,250	25/50
7010412152	6" x .045" x 7/8"	10,200	25/50
7010414998	7" x .045" x 7/8"	8,500	25/50

3M™ Silver Cut-Off Wheel – T27

- 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 (Inch)	Max RPM	Min/Case
T27			
7100139230	4-1/2" x .045" x 7/8"	13,300	25/50
7100141055	4-1/2" x .090" x 7/8"	13,300	25/50
7100139237	5" x .045" x 7/8"	12,250	10/20
7010409304	6" x .045" x 7/8"	10,200	10/20

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.

Flexible Grinding Wheel

3M™ Green Corps™ Flexible Grinding Wheel

- Offers enhanced flexibility and a contoured fit
- Helps operators achieve a smoother finish on a variety of metals
- Great for grinding and stock removal
- Produces less vibration than conventional grinding wheels



3M ID	Dia x Thk x AH (Inch)	Grade	Max RPM	Min/Case
T27				
7000118597	4-1/2 in x 1/8 in x 5/8 in-11	36	13,300	10/40
7000118590	4-1/2 in x 1/8 in x 7/8	36	13,300	20/40
7000118591	4-1/2 in x 1/8 in x 7/8	46	13,300	20/40
7000118592	4-1/2 in x 1/8 in x 7/8 in	60	13,300	20/40
7000118594	7 in x 1/8 in x 7/8 in	36	8,500	20/20

Right Angle Disc Systems

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

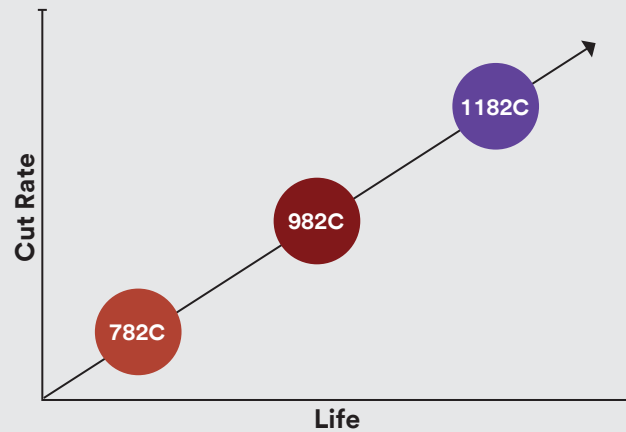


Selection Guide for Carbon Steel

For fast cutting when grinding and blending carbon steel.

Product	Mineral Type	Performance
3M™ Cubitron™ 3 Fibre Disc 1182C	Precision-Shaped Grain	Best
3M™ Cubitron™ 2 Fibre Disc 982C	Precision-Shaped Grain	Better
3M™ Fibre Disc 782C	Precision-Shaped Grain	Good

See digital catalog for additional product skus.

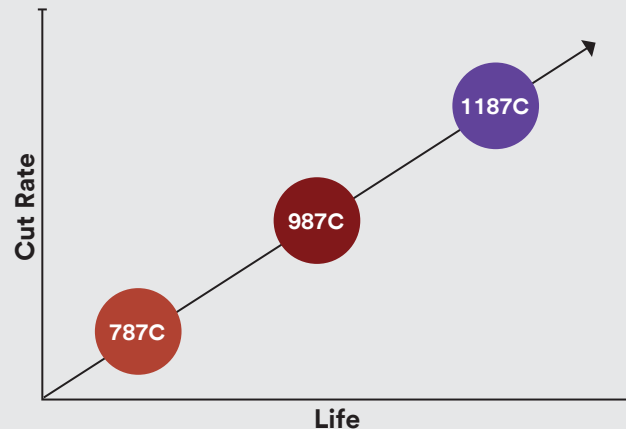


Selection Guide for Stainless Steel or Aluminum

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

Product	Mineral Type	Performance
3M™ Cubitron™ 3 Fibre Disc 1187C	Precision-Shaped Grain	Best
3M™ Cubitron™ 2 Fibre Disc 987C	Precision-Shaped Grain	Better
3M™ Fibre Disc 787C	Precision-Shaped Grain	Good

See digital catalog for additional product skus.



3M™ Cubitron™ 3 Fibre Discs



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

- 3M's re-engineered Precision-Shaped Grain, now with curved sides, using a proprietary breakthrough method helps increase productivity and lower overall grinding costs
- Incredibly fast cut rate helps to increase throughput, maximize productivity and boost your bottom line
- Designed to cut with less pressure
- Best in class for weld prep and removal on carbon steel applications

3M ID	Dia (Inch)	Grade	Max RPM	Min/Case
7100309791	4" x 5/8"	36+	15,000	25/100
7100309797	4" x 7/8"	36+	15,000	25/100
7100309799	4-1/2" x 7/8"	36+	13,300	25/100
7100309793	5" x 7/8"	36+	12,000	25/100
7100309903	6" x 7/8"	36+	10,000	25/100
7100309904	7" x 7/8"	36+	8,600	25/100
7100310797	9-1/8" x 7/8"	36+	6,600	25/100
7100349591	4-1/2" x 7/8"	60+*	13,300	25/100
7100349588	5" x 7/8"	60+*	12,000	25/100
7100349577	6" x 7/8"	60+*	10,000	25/100
7100349579	7" x 7/8"	60+*	8,600	25/100
7100349565	9-1/8" x 7/8"	60+*	6,600	25/100
7100349584	4-1/2" x 7/8"	80+*	13,300	25/100
7100349603	5" x 7/8"	80+*	12,000	25/100
7100349578	7" x 7/8"	80+*	12,000	25/100
7100349575	9-1/8" x 7/8"	80+*	6,600	25/100
TN Quick Change				
7100310727	4-1/2"	36+	13,300	25/100
7100310728	5"	36+	12,000	25/100
7100310729	7"	36+	8,600	25/100
7100349673	4-1/2"	60+*	13,300	25/100
7100349678	5"	60+*	12,000	25/100
7100349568	7"	60+*	8,600	25/100
7100349669	4-1/2"	80+*	13,300	25/100
7100349675	5"	80+*	12,000	25/100
7100349580	7"	80+*	8,600	25/100
GL Quick Change				
7100310730	4-1/2"	36+	13,300	25/100
7100310795	5"	36+	12,000	25/100
7100309796	7"	36+	8,600	25/100
7100349574	5"	60+*	12,000	25/101
7100349674	7"	60+*	8,600	25/102
7100349576	5"	80+*	12,000	25/101
7100349677	7"	80+*	8,600	25/102

* 60+ and 80+ are new grades.

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. 30



Scan this QR code to learn more.



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

- 3M's re-engineered Precision-Shaped Grain, now with curved sides, using a proprietary breakthrough method helps increase productivity and lower overall grinding costs
- Long lasting and faster cutting to help increase productivity
- Prioritize workplace wellbeing and motivation with less pressure required on the tool
- Best in class for weld prep and removal on heat sensitive alloys such as stainless steel

3M ID	Dia (Inch)	Grade	Max RPM	Min/Case
7100309792	4" x 5/8"	36+	12,000	25/100
7100309788	4-1/2" x 7/8"	36+	13,300	25/100
7100308532	5" x 7/8"	36+	12,000	25/100
7100309906	7" x 7/8"	36+	8,600	25/100
7100310792	9-1/8" x 7/8"	36+	6,600	25/100
7100349589	4-1/2" x 7/8"	60+*	13,300	25/100
7100349499	5" x 7/8"	60+*	12,000	25/100
7100349566	7" x 7/8"	60+*	8,600	25/100
7100349569	9-1/8" x 7/8"	60+*	6,600	25/100
7100349592	4-1/2" x 7/8"	80+*	13,300	25/100
7100349604	5" x 7/8"	80+*	13,300	25/100
7100349567	7" x 7/8"	80+*	8,600	25/100
7100349501	9-1/8" x 7/8"	80+*	6,600	25/100
TN Quick Change				
7100310793	4-1/2"	36+	13,300	25/100
7100310731	5"	36+	12,000	25/100
7100310732	7"	36+	8,600	25/100
7100349670	4-1/2"	60+*	13,300	25/100
7100349680	5"	60+*	12,000	25/100
7100349582	7"	60+*	8,600	25/100
7100349671	4-1/2"	80+*	13,300	25/100
7100349682	5"	80+*	12,000	25/100
GL Quick Change				
7100310796	5"	36+	12,000	25/100
7100310803	7"	36+	8,600	25/100

* 60+ and 80+ are new grades.

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™ Pneumatic Angle Grinder or 3M™ Pneumatic Sander



3M™ Disc Back-up Pad, Ribbed, Extra Hard

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

Right Angle Disc Systems

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 (Inch)	Grade	Max RPM	Min/Case
7000148153	4-1/2" x 7/8"	36+	13,300	25/100
7000119196	4-1/2" x 7/8"	60+	13,300	25/100
7000119199	4-1/2" x 7/8"	80+	13,300	25/100
7000000392	5" x 7/8"	36+	12,000	25/100
7000119197	5" x 7/8"	60+	12,000	25/100
7000119200	5" x 7/8"	80+	12,000	25/100
7000000393	7" x 7/8"	36+	8,600	25/100
7000028198	7" x 7/8"	60+	8,600	25/100
7000119201	7" x 7/8"	80+	8,600	25/100
7000045132	9-1/8" x 7/8"	36+	6,600	25/100
7000119198	9-1/8" x 7/8"	60+	6,600	25/100
7000119202	9-1/8" x 7/8"	80+	6,600	25/100
TN Quick Change				
7000119173	4-1/2" x 5/8-11	36+	13,300	25/100
7000119203	4-1/2" x 5/8-11	60+	13,300	25/100
7010326768	4-1/2" x 5/8-11	80+	13,300	25/100
7000119161	5" x 5/8-11	36+	12,000	25/100
7000119204	5" x 5/8-11	60+	12,000	25/100
7100110344	5" x 5/8-11	80+	12,000	25/100
7000119162	7" x 5/8-11	36+	8,600	25/100
7000119205	7" x 5/8-11	60+	8,600	25/100
7000119206	7" x 5/8-11	80+	8,600	25/100
GL Quick Change				
7000148154	5" x 5/8-11	36+	12,000	25/100
7010326432	5" x 5/8-11	60+	12,000	25/100
7010308146	5" x 5/8-11	80+	12,000	25/100
7000119163	7" x 5/8-11	36+	8,600	25/100
7010362305	7" x 5/8-11	60+	8,600	25/100
7010362306	7" x 5/8-11	80+	8,600	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 (Inch)	Grade	Max RPM	Min/Case
7000119175	4-1/2" x 7/8"	36+	13,300	25/100
7000119207	4-1/2" x 7/8"	60+	13,300	25/100
7000119209	4-1/2" x 7/8"	80+	13,300	25/100
7100011522	5" x 7/8"	36+	12,000	25/100
7000119208	5" x 7/8"	60+	12,000	25/100
7000119210	5" x 7/8"	80+	12,000	25/100
7000119177	7" x 7/8"	36+	8,600	25/100
7000148158	7" x 7/8"	60+	8,600	25/100
7000119211	7" x 7/8"	80+	8,600	25/100
7000119178	9-1/8" x 7/8"	36+	6,600	25/100
7000045163	9-1/8" x 7/8"	60+	6,600	25/100
7000045164	9-1/8" x 7/8"	80+	6,600	25/100
TN Quick Change				
7000144096	4-1/2"	36+	13,300	25/100
7100068024	4-1/2"	60+	13,300	25/100
7010362281	4-1/2"	80+	13,300	25/100
7000119182	5"	36+	12,000	25/100
7000119212	5"	60+	12,000	25/100
7000119213	5"	80+	12,000	25/100
7100112948	7"	36+	8,600	25/100
7010308138	7"	60+	8,600	25/100
7010290614	7"	80+	8,600	25/100
GL Quick Change				
7010326433	5"	36+	12,000	25/100
7010326434	5"	80+	12,000	25/100
7010291209	7"	36+	8,600	25/100
7010362307	7"	60+	8,600	25/100
7010362308	7"	80+	8,600	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

Use 3M™ Disc Pad

Face Plates – Red Ribbed to optimize product life of 3M™ Cubitron™ 2 Fibre Discs – grade 36+.

Choose from a range of diameters:

4-1/2" (28443), 5" (81732), 7" (80514), 9" (81728).



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 (Inch)	Grade	Max RPM	Qty/Case
7100099777	4-1/2" x 7/8"	36+	13,300	100
7100099272	4-1/2" x 7/8"	60+	13,300	100
7100099270	4-1/2" x 7/8"	80+	13,300	100
7100099571	5" x 7/8"	36+	12,000	100
7100099298	5" x 7/8"	60+	12,000	100
7100099218	5" x 7/8"	80+	12,000	100
7100099271	7" x 7/8"	36+	8,600	100
7100099299	7" x 7/8"	60+	8,600	100
7100099219	7" x 7/8"	80+	8,600	100
7100099301	9-1/8" x 7/8"	36+	6,600	100
7100099300	9-1/8" x 7/8"	60+	6,600	100
7100099220	9-1/8" x 7/8"	80+	6,600	100

TN Quick Change

7100099033	4-1/2" x 5/8-11	36+	13,300	100
7100099034	4-1/2" x 5/8-11	60+	13,300	100
7100099269	4-1/2" x 5/8-11	80+	13,300	100
7100099036	5" x 5/8-11	36+	12,000	100
7100099035	5" x 5/8-11	60+	12,000	100
7100099273	5" x 5/8-11	80+	12,000	100
7100099268	7" x 5/8-11	36+	8,600	100
7100099267	7" x 5/8-11	60+	8,600	100
7100099274	7" x 5/8-11	80+	8,600	100

Other sizes available upon request.



3M™ Disc Back-Up Pad – One Piece

3M ID	Hardness	Dia (Inch)	Max RPM	Qty/Case
068060-11224-8	Extra Hard - Red	4"	15,000	10/10
638060-88655-7	Extra Hard - Red	4-1/2"	13,300	10/10
638060-88656-4	Extra Hard - Red	5"	12,000	10/10
068060-11225-5	Extra Hard - Red	6**	10,000	10/10
638060-88657-1	Extra Hard - Red	7"	8,600	10/10
New 068060-11226-2	Hard - Black	4"	15,000	10/10
New 068060-11227-9	Hard - Black	4-1/2"	13,300	10/10
New 068060-11228-6	Hard - Black	5"	12,000	10/10
New 068060-11229-3	Hard - Black	6**	10,000	10/10
New 068060-11230-9	Hard - Black	7"	8,600	10/10
New 068060-11231-6	Medium - Gray	4"	15,000	10/10
New 068060-11232-3	Medium - Gray	4-1/2"	13,300	10/10
New 068060-11233-0	Medium - Gray	5"	12,000	10/10
New 068060-11234-7	Medium - Gray	6**	10,000	10/10
New 068060-11235-4	Medium - Gray	7"	8,600	10/10

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 (Inch)	Grade	Max RPM	Qty/Case
7100099275	4-1/2" x 7/8"	36+	13,300	100
7100099287	4-1/2" x 7/8"	60+	13,300	100
7100099248	4-1/2" x 7/8"	80+	13,300	100
7100099280	4-1/2" x 7/8"	120+	13,300	100
7100099572	5" x 7/8"	36+	12,000	100
7100099288	5" x 7/8"	60+	12,000	100
7100099251	5" x 7/8"	80+	12,000	100
7100099573	5" x 7/8"	120+	12,000	100
7100099276	7" x 7/8"	36+	8,600	100
7100099294	7" x 7/8"	60+	8,600	100
7100099253	7" x 7/8"	80+	8,600	100
7100099281	7" x 7/8"	120+	8,600	100
7100099297	9-1/8" x 7/8"	36+	6,600	100
7100099096	9-1/8" x 7/8"	60+	6,600	100
7100099255	9-1/8" x 7/8"	80+	6,600	100
7100099282	9-1/8" x 7/8"	120+	6,600	100

TN Quick Change

7100099291	4-1/2" x 5/8-11	36+	13,300	100
7100099244	4-1/2" x 5/8-11	60+	13,300	100
7100099277	4-1/2" x 5/8-11	80+	13,300	100
7100099283	4-1/2" x 5/8-11	120+	13,300	100
7100099292	5" x 5/8-11	36+	12,000	100
7100099259	5" x 5/8-11	60+	12,000	100
7100099226	5" x 5/8-11	80+	12,000	100
7100099261	5" x 5/8-11	120+	12,000	100
7100099293	7" x 5/8-11	36+	8,600	100
7100099246	7" x 5/8-11	60+	8,600	100
7100099279	7" x 5/8-11	80+	8,600	100
7100099262	7" x 5/8-11	120+	8,600	100

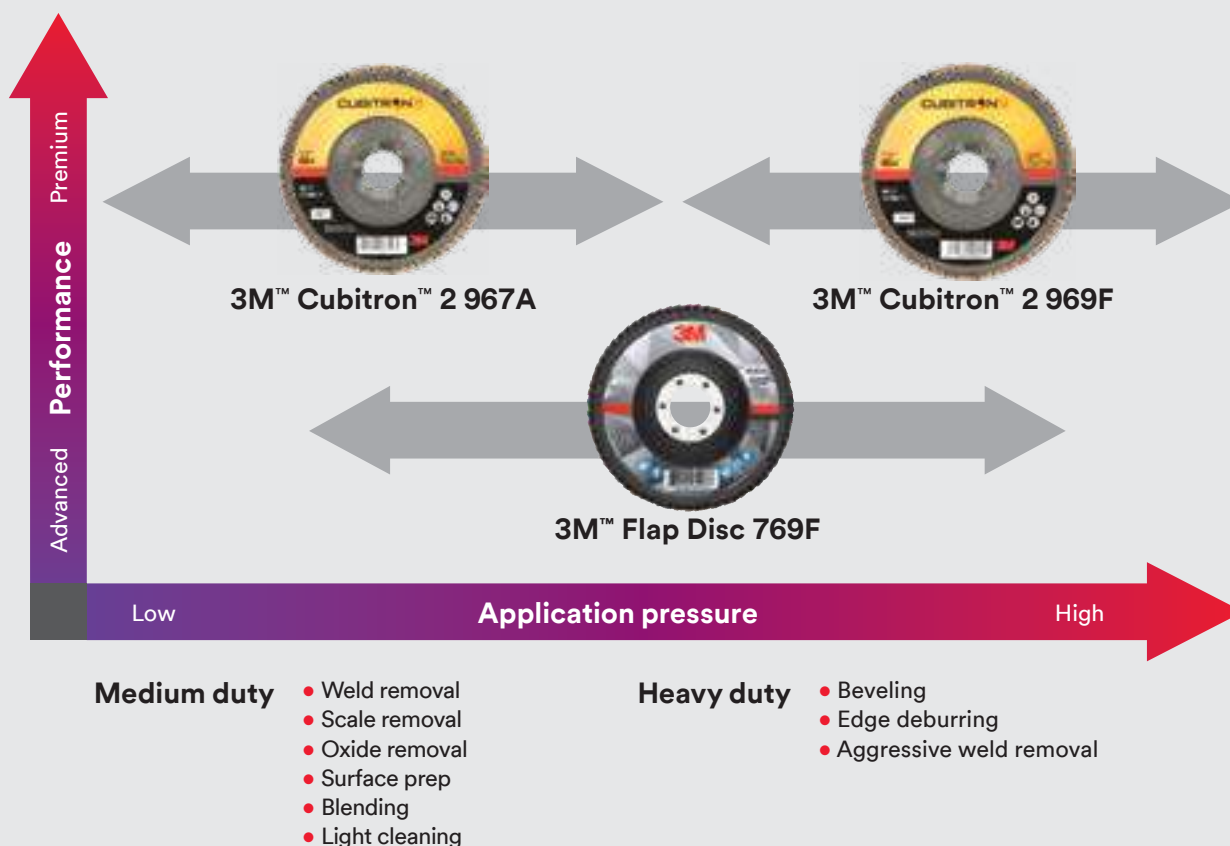
Other sizes available upon request.

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. Available in both T29 or T27 constructions with or without the 5/8–11 hub.

3M™ Flap Disc Selection Guide				4-1/2" x 7/8"		4-1/2" x 5/8-11		7" x 7/8"		7" x 5/8-11	
Product	Mineral Type	Type of Backing	Performance	T27	T29	T27	T29	T27	T29	T27	T29
3M™ Cubitron™ 2 Flap Disc 969F	Precision-Shaped Grain	Polyester	Best	•	•	•	•	•	•	•	•
3M™ Cubitron™ 2 Flap Disc 967A	Precision-Shaped Grain	Cloth	Best	•	•	•	•	•	•	•	•
3M™ Flap Disc 769F	Precision-Shaped Grain	Polyester	Better	•	•	•	•	•	•	•	•
3M™ Flap Disc 577F	Alumina Zirconia	Polyester Cloth	Good	•	•	•	•	•	•	•	•

Performance Under Pressure: Choose the right disc for the job



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

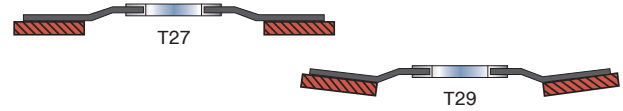
3M™ Flap Discs

3M™ Cubitron™ 2 Flap Discs 969F

- Features tough polyester backing to hold up under demanding applications like grinding, edge deburring and beveling
- Flap construction contains more abrasive material, for longer life
- For medium duty applications try 3M™ Cubitron™ 2 Flap Disc 967A



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
T27				
7100104939	4-1/2" x 7/8"	40+	13,300	10
7100104940	4-1/2" x 7/8"	60+	13,300	10
7100104941	4-1/2" x 7/8"	80+	13,300	10
7100104600	5" x 7/8"	40+	12,000	10
7100104886	5" x 7/8"	60+	12,000	10
7100104927	5" x 7/8"	80+	12,000	10
7100104923	7" x 7/8"	40+	8,600	5
7100104948	7" x 7/8"	60+	8,600	5
7100104890	7" x 7/8"	80+	8,600	5
T27 Quick Change				
7100104925	4-1/2" x 5/8-11	40+	13,300	10
7100104926	4-1/2" x 5/8-11	60+	13,300	10
7100105004	4-1/2" x 5/8-11	80+	13,300	10
7100104978	5 in x 5/8-11	40+	12,000	10
7100104935	5 in x 5/8-11	60+	12,000	10
7100104969	5 in x 5/8-11	80+	12,000	10
7100104915	7" x 5/8-11	40+	8,600	5
7100104947	7" x 5/8-11	60+	8,600	5
7100104924	7" x 5/8-11	80+	8,600	5



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
T29				
7100104616	4" x 3/8-24	40+	15,000	10
7100104918	4" x 3/8-24	60+	15,000	10
7100104917	4" x 3/8-24	80+	15,000	10
7100104920	4" x 5/8"	40+	15,000	10
7100104904	4" x 5/8"	60+	15,000	10
7100104901	4" x 5/8"	80+	15,000	10
7100104907	4-1/2" x 7/8"	40+	13,300	10
7100104921	4-1/2" x 7/8"	60+	13,300	10
7100104990	4-1/2" x 7/8"	80+	13,300	10
7100104601	5" x 7/8"	40+	12,000	10
7100104602	5" x 7/8"	60+	12,000	10
7100104928	5" x 7/8"	80+	12,000	10
7100104885	7" x 7/8"	40+	8,600	5
7100104909	7" x 7/8"	60+	8,600	5
7100104910	7" x 7/8"	80+	8,600	5
T29 Quick Change				
7100104605	4-1/2" x 5/8-11	40+	13,300	10
7100104606	4-1/2" x 5/8-11	60+	13,300	10
7100104615	4-1/2" x 5/8-11	80+	13,300	10
7100104972	5 in x 5/8-11	40+	12,000	10
7100104936	5 in x 5/8-11	60+	12,000	10
7100104889	5 in x 5/8-11	80+	12,000	10
7100104905	7" x 5/8-11	40+	8,600	10
7100104908	7" x 5/8-11	60+	8,600	10
7010363567	7" x 5/8-11	80+	8,600	10

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

Right Angle Disc Systems

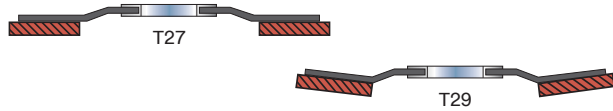
3M™ Flap Discs

3M™ Cubitron™ 2 Flap Discs 967A

- Made with 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 (Inch)	Grade	Max RPM	Qty/Case
T27				
7000148181	4-1/2" x 7/8"	40+	13,300	10
7000148182	4-1/2" x 7/8"	60+	13,300	10
7000148183	4-1/2" x 7/8"	80+	13,300	10
7000148196	5" x 7/8"	40+	12,000	10
7000148199	5" x 7/8"	60+	12,000	10
7000148200	5" x 7/8"	80+	12,000	10
7000148184	7" x 7/8"	40+	8,600	5
7000148185	7" x 7/8"	60+	8,600	5
7000148186	7" x 7/8"	80+	8,600	5
T27 Quick Change				
7100058067	4-1/2" x 5/8-11	40+	13,300	10
7100058060	4-1/2" x 5/8-11	60+	13,300	10
7100032505	4-1/2" x 5/8-11	80+	13,300	10
7010363290	7" x 5/8-11	40+	8,600	5
7100055056	7" x 5/8-11	60+	8,600	5
7100055948	7" x 5/8-11	80+	8,600	5



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
T29				
7100097661	4" x 5/8"	40+	13,300	10
7100097650	4" x 5/8"	60+	13,300	10
7100097627	4" x 5/8"	80+	13,300	10
7000148187	4-1/2" x 7/8"	40+	13,300	10
7000148188	4-1/2" x 7/8"	60+	13,300	10
7000148189	4-1/2" x 7/8"	80+	13,300	10
7000148197	5" x 7/8"	40+	12,000	10
7000148198	5" x 7/8"	60+	12,000	10
7000148201	5" x 7/8"	80+	12,000	10
7000148190	7" x 7/8"	40+	8,600	5
7000148191	7" x 7/8"	60+	8,600	5
7000148192	7" x 7/8"	80+	8,600	5
T29 Quick Change				
7010327056	4" x 3/8-24"	40+	13,300	10
7010363293	4" x 3/8-24"	60+	13,300	10
7010308943	4" x 3/8-24"	80+	13,300	10
7100049935	4-1/2" x 5/8-11"	40+	13,300	10
7100032359	4-1/2" x 5/8-11"	60+	13,300	10
7100031307	4-1/2" x 5/8-11"	80+	13,300	10
7100049327	5" x 5/8-11"	40+	12,000	10
7100049200	5" x 5/8-11"	60+	12,000	10
7010363298	7" x 5/8-11"	40+	8,600	5
7010300289	7" x 5/8-11"	60+	8,600	5
7010363299	7" x 5/8-11"	80+	8,600	5

TECH TIP:

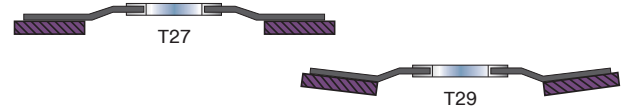
Flap discs typically provide a finish one grade finer than the same grade of fibre disc.

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

3M™ Flap Discs

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
- Now available with a new, lightweight and rugged plastic Quick Change hub attachment



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
T27				
7100177446	4.5" x 7/8"	40+	13,300	10
7100178027	4.5" x 7/8"	60+	13,300	10
7100178016	4.5" x 7/8"	80+	13,300	10
7100178092	4.5" x 7/8"	120+	13,300	10
7100178012	5" x 7/8"	40+	12,000	10
7100178125	5" x 7/8"	60+	12,000	10
7100250246	5" x 7/8"	80+	12,000	10
7100248435	7" x 7/8"	60+	8,600	5
7100178090	7" x 7/8"	120+	8,600	5
T27 Quick Change				
7100178233	7" x 5/8-11	40+	8,600	5
7100178191	7" x 5/8-11	60+	8,600	5
7100178236	7" x 5/8-11	80+	8,600	5

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
T29				
7100178130	4.5" x 7/8"	40+	13,300	10
7100178027	4.5" x 7/8"	60+	13,300	10
7100178028	4.5" x 7/8"	80+	13,300	10
7100178091	4.5" x 7/8"	120+	13,300	10
7100178127	5" x 7/8"	40+	12,000	10
7100178126	5" x 7/8"	60+	12,000	10
7100178123	5" x 7/8"	80+	12,000	10
7100177972	5" x 7/8"	120+	12,000	10
7100178128	7" x 7/8"	40+	8,600	5
7100177968	7" x 7/8"	60+	8,600	5
7100177999	7" x 7/8"	80+	8,600	5
7100178089	7" x 7/8"	120+	8,600	5
T29 Quick Change				
7100244822	4.5" x 5/8-11	40+	13,300	10
7100243874	4.5" x 5/8-11	60+	13,300	10
7100243873	4.5" x 5/8-11	80+	13,300	10
7100244822	4.5" x 5/8-11	120+	13,300	10
7100243779	5" x 5/8-11	40+	12,000	10
7100242991	5" x 5/8-11	60+	12,000	10
7100242992	5" x 5/8-11	80+	12,000	10
7100243778	5" x 5/8-11	120+	12,000	10
7100178192	7" x 5/8-11	40+	8,600	10
7100177902	7" x 5/8-11	60+	8,600	10
7100177901	7" x 5/8-11	80+	8,600	10

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.



Find the product information on p. 30



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:

For even faster cut and longer life, try 3M™ Cubitron™ 2 Flap Discs 967A and 969F.

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

3M™ Flap Discs

3M™ Flap Discs 577F

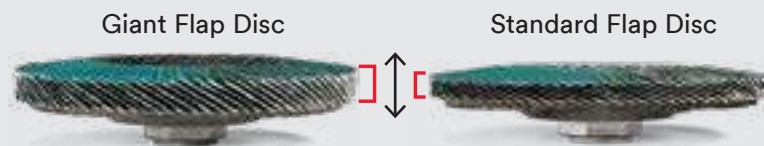
- Versatile alumina zirconia mineral works on a variety of metals and applications
- Durable YF weight polyester backing designed for long life on the most heavy duty grinding applications
- Giant flap disc is packed with 25% more abrasive material than standard flap disc – delivers longer life and fewer disc changes

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/ Case
T27				
7010363142	4-1/2" x 7/8"	36	13,300	10
7000144120	4-1/2" x 7/8"	40	13,300	10
7010363143	4-1/2" x 7/8"	60	13,300	10
7010308896	4-1/2" x 7/8"	80	13,300	10
7010363144	7" x 7/8"	36	8,600	5
7000144121	7" x 7/8"	40	8,600	5
7010363145	7" x 7/8"	60	8,600	5
7000119468	7" x 7/8" Giant	36	8,600	5
7000119469	7" x 7/8" Giant	40	8,600	5
T27 Quick Change				
7010308895	4-1/2" x 5/8-11	36	13,300	10
7010363141	4-1/2" x 5/8-11	40	13,300	10
7010327318	4-1/2" x 5/8-11	60	13,300	10
7010290213	4-1/2" x 5/8-11	80	13,300	10
7010300165	7" x 5/8-11	36	8,600	5
7010363146	7" x 5/8-11	40	8,600	5
7010327321	7" x 5/8-11	60	8,600	5
7100055947	7" x 5/8-11	80	8,600	5



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/ Case
T29				
7000119471	4-1/2" x 7/8"	36	13,300	10
7000119472	4-1/2" x 7/8"	40	13,300	10
7000119473	4-1/2" x 7/8"	60	13,300	10
7000119474	4-1/2" x 7/8"	80	13,300	10
7000119477	7" x 7/8"	36	8,600	5
7000119478	7" x 7/8"	40	8,600	5
7000119479	7" x 7/8"	60	8,600	5
7010308901	7" x 7/8"	80	8,600	5
T29 Quick Change				
7010308899	4-1/2" x 5/8-11	36	13,300	10
7010363154	4-1/2" x 5/8-11	40	13,300	10
7010327326	4-1/2" x 5/8-11	60	13,300	10
7000119470	4-1/2" x 5/8-11	80	13,300	10
7010363157	7" x 5/8-11	36	8,600	5
7010327328	7" x 5/8-11	40	8,600	5
7000119475	7" x 5/8-11	60	8,600	5
7010300167	7" x 5/8-11	80	8,600	5

**More material.
Longer life.**



Need more cutting power? Go Giant!

Our Giant flap discs are 25% thicker, for an aggressive cut with added durability and longer life.

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

Scotch-Brite™ Discs

Make tough jobs easier with Scotch-Brite™. These load-resistant nonwoven abrasive discs allow you to achieve a uniform finish in fewer steps without damaging the base material.



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		Conformable					Durable			Substrates	Mineral
Grades		Polish	Clean	Radius	Finish	Refine	Blend	Deburr and Edge Break	Light Grinding		
Multi-Purpose: Low Pressure	Precision	VFN CRS FIN XCRS MED	✓	✓	✓	✓	✓	✓	✓*	Can vary by grade Stainless Steel Aluminum Mild Steel Titanium Nickel Alloys	PSG 3M Precision-Shaped Grain
	SC	SFN VFN MED CRS	✓	✓	✓	✓	✓			Stainless Steel Aluminum Mild Steel Titanium Nickel Alloy	A/O + SiC Aluminum oxide/Silicon carbide
Heavy Duty: High Pressure	Precision Heavy Duty New	MED XCRS CRS XXCRS				✓	✓	✓	✓	Aluminum Mild Steel Stainless Steel Copper Nickel Alloy	PSG 3M Precision-Shaped Grain

Scotch-Brite™ SE Surface Conditioning Discs are also available for Heavy Duty/High Pressure applications.



Right Angle Disc Systems

Scotch-Brite™ Discs: Multi-Purpose/Low Pressure

Scotch-Brite™ Precision Surface Conditioning Disc

- 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 (Inch)	Grade	Color	Max RPM	Min/Case
Hook and Loop					
7100263904	4-1/2"	• Very Fine	Blue	13,300	50
7100263502	4-1/2"	• Fine	Green	13,300	50
7100263909	4-1/2"	• Medium	Red	13,300	50
7100263903	4-1/2"	• Coarse	Brown	13,300	50
7100263910	4-1/2"	• Extra Coarse	Black	13,300	50
7100263912	5"	• Very Fine	Blue	12,000	50
7100263913	5"	• Fine	Green	12,000	50
7100263914	5"	• Medium	Red	12,000	50
7100263915	5"	• Coarse	Brown	12,000	50
7100263918	5"	• Extra Coarse	Black	12,000	50
7100263917	6"	• Very Fine	Blue	10,000	50
7100263916	6"	• Fine	Green	10,000	50
7100263851	6"	• Medium	Red	10,000	50
7100263835	6"	• Coarse	Brown	10,000	50
7100263834	6"	• Extra Coarse	Black	10,000	50
7100263836	7"	• Very Fine	Blue	8,600	25
7100263921	7"	• Fine	Green	8,600	25
7100263920	7"	• Medium	Red	8,600	25
7100263922	7"	• Coarse	Brown	8,600	25
7100263923	7"	• Extra Coarse	Black	8,600	25

Other size options available upon request.



3M ID	Dia x Ctr Hole (Inch)	Grade	Color	Max RPM	Min/Case
Center Hole					
7100263663	4" x 5/8"	• Very Fine	Blue	13,300	100
7100263651	4" x 5/8"	• Fine	Green	13,300	100
7100263649	4" x 5/8"	• Medium	Red	13,300	100
7100263650	4" x 5/8"	• Coarse	Brown	13,300	100
7100271029	4" x 5/8"	• Extra Coarse	Black	13,300	100
7100263883	4-1/2" x 7/8"	• Very Fine	Blue	13,300	50
7100263884	4-1/2" x 7/8"	• Fine	Green	13,300	50
7100263885	4-1/2" x 7/8"	• Medium	Red	13,300	50
7100263886	4-1/2" x 7/8"	• Coarse	Brown	13,300	50
7100263887	4-1/2" x 7/8"	• Extra Coarse	Black	13,300	50
7100263888	5" x 7/8"	• Very Fine	Blue	12,000	50
7100263889	5" x 7/8"	• Fine	Green	12,000	50
7100263890	5" x 7/8"	• Medium	Red	12,000	50
7100263891	5" x 7/8"	• Coarse	Brown	12,000	50
7100263892	5" x 7/8"	• Extra Coarse	Black	12,000	50
7100271024	7" x 7/8"	• Very Fine	Blue	8,600	25
7100263893	7" x 7/8"	• Fine	Green	8,600	25
7100263894	7" x 7/8"	• Medium	Red	8,600	25
7100263895	7" x 7/8"	• Coarse	Brown	8,600	25
7100271025	7" x 7/8"	• Extra Coarse	Black	8,600	25

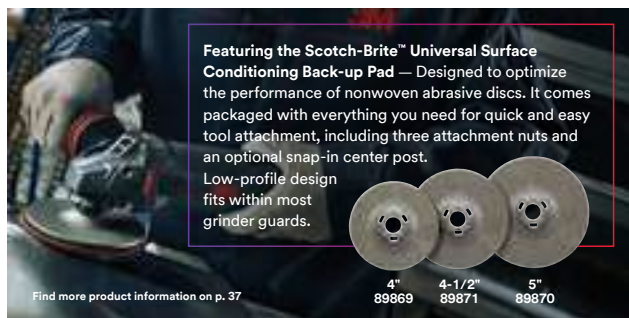
Other size options available upon request.

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.

Find the product information on p. 21

Winning Combinations



Featuring the Scotch-Brite™ Universal Surface Conditioning Back-up Pad — Designed to optimize the performance of nonwoven abrasive discs. It comes packaged with everything you need for quick and easy tool attachment, including three attachment nuts and an optional snap-in center post. Low-profile design fits within most grinder guards.



4" 89869 4-1/2" 89871 5" 89870

Find more product information on p. 37



3M ID	Dia x Ctr Hole (Inch)	Grade	Color	Max RPM	Min/Case
TN Quick Change					
7100263652	4-1/2" x 5/8-11*	• Very Fine	Blue	13,300	50
7100263653	4-1/2" x 5/8-11*	• Fine	Green	13,300	50
7100263655	4-1/2" x 5/8-11*	• Medium	Red	13,300	50
7100263654	4-1/2" x 5/8-11*	• Coarse	Brown	13,300	50
7100263659	4-1/2" x 5/8-11*	• Extra Coarse	Black	13,300	50
7100263660	5" x 5/8-11*	• Very Fine	Blue	12,000	50
7100263661	5" x 5/8-11*	• Fine	Green	12,000	50
7100263257	5" x 5/8-11*	• Medium	Red	12,000	50
7100263256	5" x 5/8-11*	• Coarse	Brown	12,000	50
7100274426	5" x 5/8-11*	• Extra Coarse	Black	12,000	50
7100263258	7" x 5/8-11*	• Very Fine	Blue	8,600	25
7100263259	7" x 5/8-11*	• Fine	Green	8,600	25
7100263260	7" x 5/8-11*	• Medium	Red	8,600	25
7100263261	7" x 5/8-11*	• Coarse	Brown	8,600	25
7100263262	7" x 5/8-11*	• Extra Coarse	Black	8,600	25

*Quick-Change Tinnerman Nut (TN) Attachment

Scotch-Brite™ Discs: Multi-Purpose/Low Pressure

Scotch-Brite™ SC Surface Conditioning Discs:

- 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



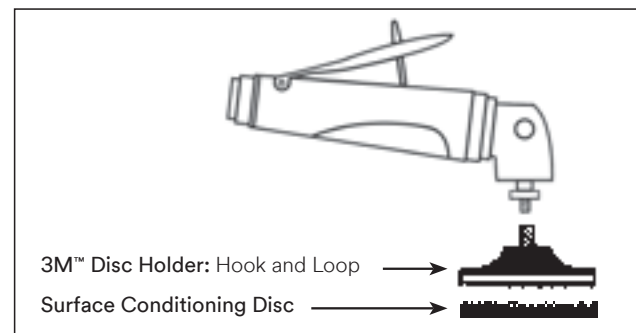
3M ID	Dia x Ctr Hole (Inch)	Grade	Color	Max RPM	Min/Case
Hook and Loop					
7010292386	1-1/2"	● A CRS	Brown	25,000	200
7010364310	1-1/2"	● A MED	Maroon	25,000	200
7010365581	1-1/2"	● A VFN	Blue	25,000	200
7000120557	2"	● A CRS	Brown	23,000	50/200
7000136519	2"	● A MED	Maroon	23,000	50/200
7000120572	2"	● A VFN	Blue	23,000	50/200
7010364312†	2"	● S SFN	Gray	23,000	50/200
7000120558	3"	● A CRS	Brown	20,000	25/100
7000136520	3"	● A MED	Maroon	20,000	100
7000136521	3"	● A VFN	Blue	20,000	100
7010329011	3"	● S SFN	Gray	20,000	100
7010329632	3-1/2"	● A MED	Maroon	13,000	100
7000000661	4"	● A CRS	Brown	13,000	100
7000000652	4"	● A MED	Maroon	13,000	25/100
7000000658	4"	● A VFN	Blue	13,000	100
7000028428	4"	● S SFN	Gray	13,000	100
7000046019	4-1/2"	● A CRS	Brown	13,300	50
7000136522	4-1/2"	● A CRS	Brown	13,000	10
7000136523	4-1/2"	● A MED	Maroon	13,000	10
7000046018	4-1/2"	● A MED	Maroon	13,000	50
7000121008	4-1/2"	● A VFN	Blue	13,000	10
7000046017	4-1/2"	● A VFN	Blue	13,000	50
7010364893	4-1/2"	● S SFN	Gray	13,300	50
7100141913	5"	● A CRS	Brown	10,000	10
7000000717	5"	● A CRS	Brown	10,000	50
7000136525	5"	● A MED	Maroon	10,000	10
7000000719	5"	● A MED	Maroon	10,000	50
7000136526	5"	● A VFN	Blue	10,000	10
7000000718	5"	● A VFN	Blue	10,000	50
7000046015	5"	● S SFN	Gray	10,000	50
7000046016	6"	● A CRS	Brown	8,000	50
7010328918	6"	● A MED	Maroon	8,000	50
7100134242	6"	● A VFN	Blue	8,000	50
7000136527	7"	● A CRS	Brown	6,000	10
7000000653	7"	● A CRS	Brown	6,000	25
7000136528	7"	● A MED	Maroon	6,000	10
7000000716	7"	● A MED	Maroon	6,000	25
7000136529	7"	● A VFN	Blue	6,000	10
7100094539	7"	● A VFN	Blue	6,000	25
7100101185	7"	● S SFN	Gray	6,000	25

†Made-to-Order. Other size options available upon request.

Scotch-Brite™ SC Surface Conditioning Discs (cont)

3M ID	Dia x Ctr Hole (Inch)	Grade	Color	Max RPM	Min/Case
Hook and Loop					
7100141688	8"	● A CRS	Brown	6,000	25
7000120859	8"	● A MED	Maroon	6,000	25
7100086107	8"	● A VFN	Blue	6,000	25
7010364887†	8"	● S SFN	Gray	6,000	25
7010365295	14"	● A MED	Maroon	2,000	15
7010365292	18"	● A CRS	Brown	1,600	10
7000120780	27"	● A CRS	Brown	1,000	2
7010328922	27"	● A MED	Maroon	1,000	2
7000120858	27"	● A VFN	Blue	1,000	2
7010329059	36"	● A VFN	Blue	800	2
7100063976†	48"	● A CRS	Brown	600	2
7000045920†	48"	● A MED	Maroon	600	2
7000120657†	48"	● A VFN	Blue	600	2
7000120849†	48"	● S SFN	Gray	600	2
TN Quick Change					
7000120956	4-1/2"	● A CRS	Brown	13,300	50
7000120958	4-1/2"	● A MED	Maroon	13,300	50
7010309844	4-1/2"	● A VFN	Blue	13,300	50
7000120813	5"	● A VFN	Blue	9,500	50
7000120814	5"	● A MED	Maroon	9,500	50
7000120815	5"	● A CRS	Brown	9,500	50
7100084163	5"	● S SFN	Gray	9,500	50
7000120957	7"	● A CRS	Brown	7,000	25
7000120959	7"	● A MED	Maroon	7,000	25
7000120960	7"	● A VFN	Blue	7,000	25
Center Hole					
7010309369	4" x 7/8"	● A CRS	Brown	13,000	100
7010329310	4-1/2" x 7/8"	● A CRS	Brown	13,300	50
7010309517	4-1/2" x 7/8"	● A MED	Maroon	13,300	50
7000120760	5" x 7/8"	● A CRS	Brown	12,000	50
7100141917	5" x 7/8"	● A MED	Maroon	12,000	50
7100028390	5" x 7/8"	● A VFN	Blue	12,000	50
7010364923	7" x 7/8"	● A CRS	Brown	8,600	25
7100054378	7" x 7/8"	● A VFN	Blue	8,600	25
7010292425	7-1/2" x 7/8"	● A MED	Maroon	6,000	25
7010329631	7-1/2" x 7/8"	● A VFN	Blue	6,000	25
7010365294	44" x 3"	● A MED	Maroon	600	2
7010365293	44" x 3"	● A VFN	Blue	600	2

†Made-to-Order. Other size options available upon request.



Make it a winning combination!

Pair this product with 3M™ Cubitron™ 2
Fibre Disc 987C



Winning
Combinations

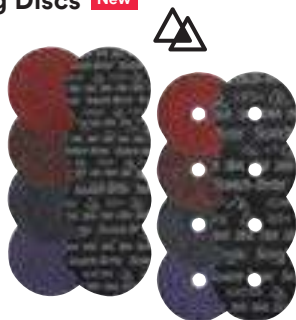


Right Angle Disc Systems

Scotch-Brite™ Discs: Heavy Duty/High-Pressure

Scotch-Brite™ Precision Heavy Duty Surface Conditioning Discs New

- Available in MED (150+), CRS (120+), XCRS (80+), XXCRS (60+)
- 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
- High-pressure applications such as light grinding, deburring, edge breaking, blending and refining



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
Hook and Loop – No Hole				
7100358156	4 x NH	● Medium	13,000/15,000*	100
7100358858	4 x NH	● Coarse	13,000/15,000*	100
7100358883	4 x NH	● Extra Coarse	13,000/15,000*	100
7100358857	4 x NH	● X-Extra Coarse	13,000/15,000*	100
7100358157	4-1/2 x NH	● Medium	13,000/13,300*	50
7100358903	4-1/2 x NH	● Coarse	13,000/13,300*	50
7100358872	4-1/2 x NH	● Extra Coarse	13,000/13,300*	50
7100358902	4-1/2 x NH	● X-Extra Coarse	13,000/13,300*	50
7100358923	5 x NH	● Medium	10,000/12,000*	50
7100358904	5 x NH	● Coarse	10,000/12,000*	50
7100358924	5 x NH	● Extra Coarse	10,000/12,000*	50
7100358905	5 x NH	● X-Extra Coarse	10,000/12,000*	50
7100358925	6 x NH	● Medium	10,000	50
7100358906	6 x NH	● Coarse	10,000	50
7100358926	6 x NH	● Extra Coarse	10,000	50
7100358871	6 x NH	● X-Extra Coarse	10,000	50
7100358859	7 x NH	● Medium	8,000	25
7100358898	7 x NH	● Coarse	8,000	25
7100358890	7 x NH	● Extra Coarse	8,000	25
7100358854	7 x NH	● X-Extra Coarse	8,000	25

Other sizes available as Make-To-Order

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

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
Hook and Loop – No Hole				
7100358860	4 x 5/8	● Medium	15,000	100
7100358855	4 x 5/8	● Coarse	15,000	100
7100358861	4 x 5/8	● Extra Coarse	15,000	100
7100358887	4 x 5/8	● X-Extra Coarse	15,000	100
71003588967	4-1/2 x 7/8	● Medium	13,300	50
7100358856	4-1/2 x 7/8	● Coarse	13,300	50
7100359465	4-1/2 x 7/8	● Extra Coarse	13,300	50
710035946	4-1/2 x 7/8	● X-Extra Coarse	13,300	50
7100359473	5 x 7/8	● Medium	12,000	50
7100359468	5 x 7/8	● Coarse	12,000	50
7100359474	5 x 7/8	● Extra Coarse	12,000	50
7100359469	5 x 7/8	● X-Extra Coarse	12,000	50
7100358893	7 x 7/8	● Medium	8,600	25
7100358886	7 x 7/8	● Coarse	8,600	25
7100358899	7 x 7/8	● Extra Coarse	8,600	25
7100359475	7 x 7/8	● X-Extra Coarse	8,600	25

Other sizes available as Make-To-Order

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

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
TN Quick Change				
7100358891	4-1/2 x 5/8-11*	● Medium	13,300	50
7100358888	4-1/2 x 5/8-11*	● Coarse	13,300	50
7100358862	4-1/2 x 5/8-11*	● Extra Coarse	13,300	50
7100358889	4-1/2 x 5/8-11*	● X-Extra Coarse	13,300	50
7100358897	5 x 5/8-11*	● Medium	12,000	50
7100358884	5 x 5/8-11*	● Coarse	12,000	50
7100358892	5 x 5/8-11*	● Extra Coarse	12,000	50
7100358885	5 x 5/8-11*	● X-Extra Coarse	12,000	50
7100358900	7 x 5/8-11*	● Medium	8,600	25
7100358894	7 x 5/8-11*	● Coarse	8,600	25
7100358901	7 x 5/8-11*	● Extra Coarse	8,600	25
7100358895	7 x 5/8-11*	● X-Extra Coarse	8,600	25

*Tinnerman Nut (TN) Quick-Change Attachment

Scotch-Brite™ Trial Packs New

3M ID	Dia (Inch)	Precision Grade	Precision Heavy Duty Grade	Attachment
TN Quick Change				
7100373338	4-1/2	N/A	● Medium ● Coarse	TN Quick Change
7100371492	4-1/2	N/A	● Extra Coarse ● X-Extra Coarse	TN Quick Change

Scotch-Brite™ SE Surface Conditioning Discs:

- High cutting surface conditioning disc great for edge deburring applications



3M ID	Diameter (Inch)	Grade	Max RPM	Qty/Case
Hook and Loop				
7010364726	4"	● A CRS	13,000	100
7010294771	4"	● A MED	13,000	100
7100136779	4-1/2"	● A CRS	13,300	50
7000046034	4-1/2"	● A MED	13,300	50
7000120860	5"	● A CRS	10,000	50
7000046091	5"	● A MED	10,000	50
7000120803	7"	● A CRS	6,000	25
7000120881	7"	● A MED	6,000	25
7000121013	7"	● A FIN	6,000	25
7010329405	8"	● A CRS	6,000	25
7010309525	48"	● A CRS	600	2

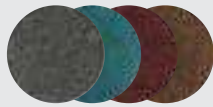
Other sizes available as Make-To-Order

Note: TN Quick Change attachment type also available.

Tech Tip:

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

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)
Multi-Purpose	Precision 	 3M Precision-Shaped Grain		11 – 15 (0.2 – 0.4)	9 – 11 (0.2 – 0.3)	23 – 38 (0.5 – 1.0)
				16 – 23 (0.4 – 0.6)	14 – 17 (0.3 – 0.5)	34 – 53 (0.8 – 1.4)
				21 – 37 (0.5 – 1.0)	19 – 23 (0.4 – 0.6)	65 – 75 (1.6 – 2.0)
				40 – 51 (1.0 – 1.3)	21 – 27 (0.5 – 0.7)	69 – 84 (1.7 – 2.2)
				42 – 53 (1.2 – 1.9)	36 – 54 (0.9 – 1.4)	121 – 140 (3.0 – 3.6)
	SC 	 Aluminum oxide/ Silicon carbide		N/A	5 – 7 (0.1 – 0.2)	16 – 22 (0.4 – 0.6)
				10 – 14 (0.2 – 0.4)	8 – 9 (0.2 – 0.3)	20 – 25 (0.5 – 0.7)
				12 – 17 (0.3 – 0.5)	19 – 23 (0.4 – 0.6)	34 – 45 (0.8 – 1.2)
				17 – 29 (0.4 – 0.8)	25 – 31 (0.6 – 0.8)	62 – 84 (1.5 – 2.2)
Heavy Duty 	 3M Precision-Shaped Grain		16 – 23 (0.4 – 0.6)	16 – 23 (0.4 – 0.6)	45 – 61 (1.1 – 1.6)	
			27 – 38 (0.6 – 1.0)	19 – 28 (0.4 – 0.8)	75 – 82 (1.9 – 2.1)	
			48 – 60 (1.2 – 1.6)	26 – 38 (0.6 – 1.0)	121 – 137 (3.0 – 3.5)	
			68 – 79 (1.7 – 2.1)	33 – 55 (0.8 – 1.4)	152 – 177 (3.8 – 4.5)	

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: Clean and Strip

Choose your Cut.

XT PRO

- Rust, paint, light mill scale removal
- Maintains workpiece shape
- Low sparking
- Ideal for surface prep
- Made with silicon carbide mineral

BOTH

- Rapid coating removal and surface prep
- Decreased chunking — extended life
- Highly conformable
- High speed rating
- Quick change, spin-on thread

XT PRO EXTRA CUT

- 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

- 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 (Inch)	Grade	Max RPM	Min/Case
T27				
7100175393	4-1/2" x 7/8"	S XCS	13,300	10
7100176095	6" x 1/2"	S XCS	4,000	15
7100177515	7" x 3-1/8"	S XCS	3,600	15
7100175122	7" x 7/8"	S XCS	8,600	5
T27 Quick Change				
7100175252	4-1/2" x 5/8-11	S XCS	13,300	10
7100177482	5" x 5/8-11	S XCS	12,000	10
7100175474	7" x 5/8-11	S XCS	8,600	5
TN Quick Change				
7100175464	4-1/2" x 5/8-11	S XCS	13,300	10
7100175514	7" x 5/8-11	S XCS	8,600	5
Roloc™ TR				
7100175521	2" x NH	S XCS	18,000	10/60
7100173795	3" x NH	S XCS	15,000	10/40
7100176094	4" x NH	S XCS	11,000	10/40

Scotch-Brite™ 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

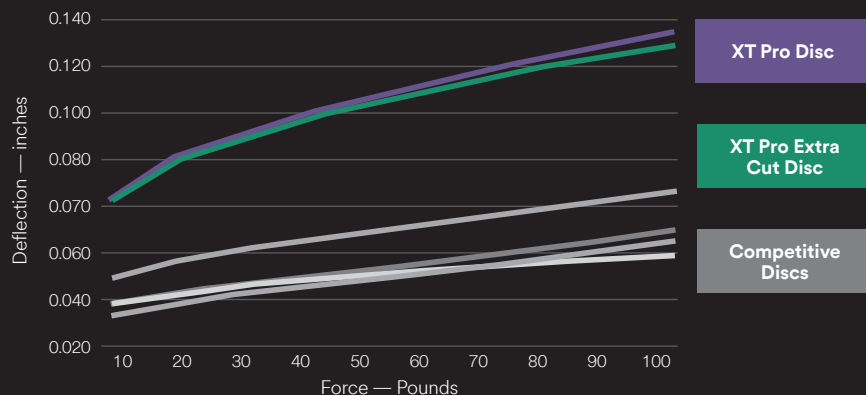


3M ID	Dia x AH (Inch)	Grade	Max RPM	Min/Case
T27				
7100176086	4" x 1/4"	A XCS	9,000	25
7100175515	4-1/2" x 7/8"	A XCS	13,300	10
7100176140	6" x 1/2"	A XCS	4,000	15
7100177517	7" x 3-1/8"	A XCS	3,600	15
7100175508	7" x 7/8"	A XCS	8,600	5
T27 Quick Change				
7100175520	4-1/2" x 5/8-11	A XCS	13,300	10
7100177492	5" x 5/8-11	A XCS	12,000	10
7100175493	7" x 5/8-11	A XCS	8,600	5
TN Quick Change				
7100175465	4-1/2" x 5/8-11	A XCS	13,300	10
7100175522	7" x 5/8-11	A XCS	8,600	5
Roloc™ TR				
7100179815	2" x NH	A XCS	18,000	10/60
7100173790	3" x NH	A XCS	15,000	10/40
7100173796	4" x NH	A XCS	11,000	10/40

Conformability Test

Better contact for faster removal

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



Make it a winning combination!

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



Winning
Combinations



Scotch-Brite™ Discs

Scotch-Brite™ Coating Removal Discs

- 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 (Inch)	Grade	Max RPM	Min/Case
Hook and Loop				
7000046011	4-1/2"	S XCS	13,300	5/20
7000046032*	4-1/2"	S XCS	13,300	40
7000120845	5"	S XCS	10,000	5/20
7000046033*	5"	S XCS	10,000	40
7000120846	7"	S XCS	6,000	2/10
7000120884*	7"	S XCS	6,000	20

*Bulk

Scotch-Brite™ Roloc™ Bristle Discs

- Easily remove paint, adhesives, weld burn, rust and other surface contaminants
- Fast-running disc combines superior cutting action with the 3M™ Roloc™ quick change attachment system



3M ID	Diameter x AH (Inch)	Grade	Color	Max RPM	Qty/Case
TR					
7100138181	4-1/2" x 5/8-11 INT	36	Brown	13,300	10
7100138173	4-1/2" x 5/8-11 INT	50	Green	13,300	10
7100138174	4-1/2" x 5/8-11 INT	80	Yellow	13,300	10

Scotch-Brite™ Clean and Finish Discs

- Flexible web for finishing, blending and polishing
- Conformability allows access to hard-to-reach areas



3M ID	Diameter (Inch)	Grade	Max RPM	Qty/Case
Hook and Loop				
7000121065	5"	A VFN	5,000	100
7000121066	6"	A VFN	4,000	100
7100079866	11-1/4"	A VFN	1,900	25

Scotch-Brite™ HS Blend & Finish

- 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 (Inch)	Grade	Max RPM	Qty/Case
Hook and Loop – Center Hole				
7000046258	6" x 1/2"	A MED	4,000	100
7000121118	8" x 1/2"	A MED	3,000	50
7000148261	12" x 1-1/4"	A MED	1,900	25

Scotch-Brite™ Deburr & Finish PRO Unitized Disc

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

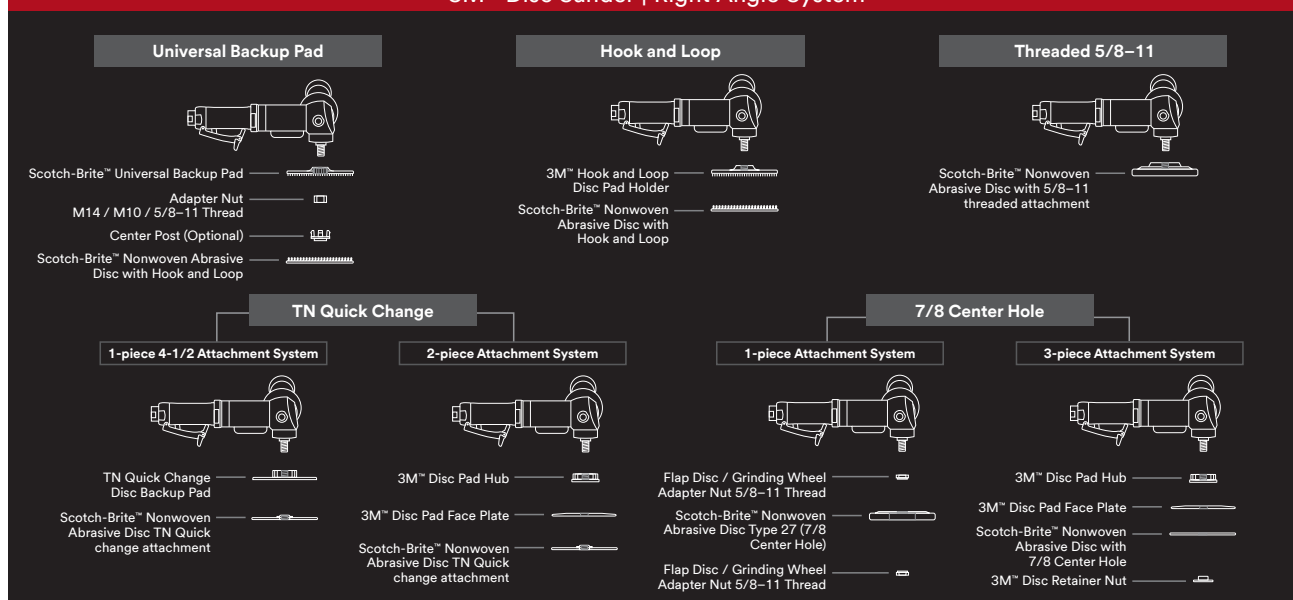


3M ID	Dia x Ctr Hole (Inch)	Grade	Density	Max RPM	Qty/Case
T27					
7100300907	4-1/2" x 7/8"	MED+	6C	12,100	5
7100300906	4-1/2" x 7/8"	CRS+	8C	12,100	5

Right Angle Disc Systems

3M™ Power Tools: Right Angle Disc Systems

3M™ Disc Sander | Right Angle System

3M™ Electric Angle Grinders **New**

- High torque and high rotational speed in a lightweight, powerful and versatile tool
- Ergonomic design features a low-vibration handle and speed control in select models for different jobs
- Maximize productivity and minimize processing time when used with 3M abrasives and accessories
- Robust components that are durable in harsh industrial conditions



3M ID	Model	Voltage	Disc Size Inch (mm)	Switch Type	Variable Speed	RPM Range	Weight Pound (kg)	Amps	Watts	Includes
7100336685	11129	120 V	4.5 - 5.0 (115 - 125)	Paddle	No	11,500 rpm	6 (2.7)	13	1900	5 in (125 mm) Type 27 Guard, 5 in (125 mm) Type 1 Guard, Vibration Reduction Side Handle
7100337004	11130	120 V	4.5 - 5.0 (115 - 125)	Slide	Yes	2,800 - 11,500 max rpm	5.7 (2.6)	13	1900	5 in (125 mm) Type 27 Guard, 5 in (125 mm) Type 1 Guard, Vibration Reduction Side Handle
7100336788	11131	120 V	6 (150)	Paddle	Yes	2,900 - 9,300 max rpm	6.2 (2.8)	13	1900	6 in (150 mm) Type 27 Guard, 6 in (150 mm) Type 1 Guard, Vibration Reduction Side Handle

3M™ Disc Sanders

- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- Easy-handling, compact design for less vibration



3M ID	Model	Tool Diameter Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread (Inch)	Collet Size (Inch)
7100142460	28408	4-5 (100-127)	1 (744)	12,000	37 (1,048)	84 (95)	3.1 (1.4)	8 (210)	4 (107)	3/8" NPT	3/8-24
7100250449	88566	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	43 (1.2)	89 (97)	5.3 (2.4)	11.0 (279)	105 (4.0)	3/8" NPT	5/8-11

3M™ Grinders – T27

- Heavy duty gear heads for added durability under high force applications
- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- Repositionable steel guards for better visibility



3M ID	Model	Tool Diameter Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread (Inch)	Thread Size (Inch)
7100142462	28403	4 (100)	1 (744)	12,000	37 (1,048)	86 (98)	3.5 (1.6)	9 (216)	5 (114)	3/8" NPT	3/8-24 EXT
7100142326	28405	4-1/2 (114.3)	1 (744)	12,000	37 (1,048)	85 (99)	3.7 (1.7)	9 (216)	5 (119)	3/8" NPT	5/8-11 EXT
7100250448	88577	4-1/2-5 (114.3-127)	1.5 (1,120)	12,000	43 (1.2)	89 (97)	4.9 (2.2)	11.0 (279)	105 (4.0)	3/8" NPT	5/8-11 EXT

3M™ Cut-Off Wheel Tools

- Easily cuts through everything from standard rebar to oversized bolts
- Exclusive 3M™ Gripping Material for added comfort
- Model 28826 provides greater versatility and control with right angle head and easily repositionable guard



3M ID	Model	Tool Diameter Inch (mm)	Motor HP (W)	Max RPM	Air Flow Rate SCFM (LPM)	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread (Inch)
7100106924	20233	3 (76)	1 (744)	25,000	37 (1,048)	91 (102)	2.6 (1.2)	8 (197)	3 (76)	3/8" NPT
7100106790	28771	4 (100)	1 (744)	19,000	37 (1,048)	90 (102)	2.7 (1.2)	8 (197)	3 (83)	3/8" NPT

Accessories: Right Angle Disc Systems

Product	3M ID	For Use With	Size (Inch) / Description	Max RPM	Qty/Case
Flap Disc Adapter Nut					
	7010309134	Secures 4-1/2" diameter flap discs to right angle tool with a 5/8-11 threaded shaft	5/8-11 Thread	N/A	5
Flap Disc/Grinding Wheel Adapter Kit					
	7010364084	Mounting kit for 6" and larger flap discs/grinding wheels	4 Diameter; 5/8-11 Thread	N/A	1
3M™ Hook and Loop Disc Pad Holders					
	7010360340	Scotch-Brite™ Light Grinding and Blending Disc Accessories	7 x 7/8 Center Post; 5/8-11 INT	8,500	1
922/923 	7000045864	Scotch-Brite™ Surface Conditioning Discs	2 (1/4" shank); Cat. 922	23,000	10
	7000120560	Scotch-Brite™ Surface Conditioning Discs	3 (1/4" shank); Cat. 923	20,000	10
924 	7000120561	Scotch-Brite™ Surface Conditioning Discs	4 (1/4 shank); Cat. 924	15,300	5
914 	7000120888	Scotch-Brite™ Surface Conditioning Discs	4 x 1/8 x 3/8; 5/8-11 INT; Cat. 914	15,300	1
9145/915 	7000046035	Scotch-Brite™ Surface Conditioning Discs	4-1/2 x 5/8-11 INT; Cat. 9145	13,300	1
	7000120889	Scotch-Brite™ Surface Conditioning Discs	5 x 5/8-11 INT; Cat. 915	13,300	1
947TH 	7000118602	Scotch-Brite™ Surface Conditioning Discs	7 x 1 x 5/8-11 INT; Cat. 947TH	6,000	1
917 	7000028549	Scotch-Brite™ Surface Conditioning Discs	7 in x 5/16 in x 3/8 in x 5/8 in-11 INT; Cat. 917	6,000	1
918 	7000120891	Scotch-Brite™ Surface Conditioning Discs	8 x 5/16 x 3/8; 5/8-11 INT; Cat. 918	6,000	1
3M™ Hookit™ Disc Pad					
	7100041215	Scotch-Brite™ Coating Removal Discs	5 x 5/8 x 5/8-11 INT	12,000	5
	7100034710	Scotch-Brite™ Coating Removal Discs	5 x 3/4 x 5/8-11 INT	12,000	5
	7000028353	Scotch-Brite™ Coating Removal Discs	7 x 1 x 5/8-11 INT	6,000	1
3M Stikit™ Disc Pads					
	7000045658	3M™ Stikit™ Discs	8 x 5/8-11 INT	3,000	1
	7100114993	3M™ Stikit™ Discs	5 x 1/2 x 5/8-11 INT	12,000	5
3M™ Disc Pad Hub					
	7000144106	Short shaft tools (for tools with 3/8-24 INT spool)	2-1/2 Diameter; 3/8-24 metal insert	N/A	10
	7000120398	3M™ Disc Pad Face Plates (all sizes)	2-1/2 Diameter; 5/8-11 metal insert	N/A	10
	7000120459	3M™ Disc Pad Face Plates (short shaft electric grinders)	2-1/2 Diameter; 5/8-11 metal insert	N/A	10
	7000120408	3M™ Disc Pad Face Plates (all sizes; GL quick change)	2-1/2 Diameter; 5/8-11 metal insert	N/A	1
	7100080331	3M™ Disc Pad Face Plates (7"-9"; GL quick change)	4-1/2 Diameter; 5/8-11 metal insert	N/A	1
	7000045659	3M™ Disc Pad Face Plates (7"-9"; GL quick change)	4-1/2 Diameter; 5/8-11 metal insert	N/A	10
28892, 28891, 28890 	7100101154	Scotch-Brite™ Surface Conditioning Discs with 7/8" diameter center holes	4 x 7/8 CP; 5/8-11 INT	15,000	10
	7100101156	Scotch-Brite™ Surface Conditioning Discs with 7/8" diameter center holes	4-1/2 x 7/8 CP; 5/8-11 INT	13,300	10
	7100101201	Scotch-Brite™ Surface Conditioning Discs with 7/8" diameter center holes	5 x 7/8 CP; 5/8-11 INT	12,000	10
89869, 89870, 89871 	7100276338	Scotch-Brite™ Surface Conditioning Discs	4" hook and loop attachment. Additional attachment nuts: M10, M14 and 5/8-11 as optional snap-in center post.	15,000	10
	7100276340	Scotch-Brite™ Surface Conditioning Discs	4-1/2" hook and loop attachment. Additional attachment nuts: M10, M14 and 5/8-11 as optional snap-in center post.	13,300	10
	7100276339	Scotch-Brite™ Surface Conditioning Discs	5" hook and loop attachment. Additional attachment nuts: M10, M14 and 5/8-11 as optional snap-in center post.	12,000	10

*CP = Center Post, for use with 7/8" center hole Scotch-Brite™ Discs

Chart continued on next page

Right Angle Disc Systems

Accessories: Right Angle Disc Systems

Product	3M ID	For Use With	Size (Inch) / Description	Max RPM	Qty/Case
3M™ Low Profile Disc Pad Hub					
	7000045288	3M™ Disc Pad Face Plates (all sizes, tool shaft length 5/8" or more)	2-1/2" Diameter; 5/8–11 metal insert	N/A	10
3M™ Back up Pads					
	7100363168	Fibre Discs	4" Diameter; Ribbed; Extra Hard – Red	15,000	10
	7100258731	Fibre Discs	4-1/2" Diameter; Ribbed; Extra Hard – Red	13,300	10
	7100258733	Fibre Discs	5" Diameter; Ribbed; Extra Hard – Red	12,000	10
	7100362486	Fibre Discs	6" Diameter; Ribbed; Extra Hard - Red	15,000	10
	7100258730	Fibre Discs	7" Diameter; Ribbed; Extra Hard – Red	8,600	10
	7100363075	Fibre Discs	4" Diameter; Ribbed; Hard – Black	15,000	10
	7100363248	Fibre Discs	4-1/2" Diameter; Ribbed; Hard – Black	13,300	10
	7100362591	Fibre Discs	5" Diameter; Ribbed; Hard – Black	12,000	10
	7100362609	Fibre Discs	6" Diameter; Ribbed; Hard – Black	8,000	10
	7100360002	Fibre Discs	7" Diameter; Ribbed; Hard – Black	8,000	10
	7100363273	Fibre Discs	4" Diameter; Ribbed; Medium – Gray	15,000	10
	7100362772	Fibre Discs	4-1/2" Diameter; Ribbed; Medium – Gray	13,300	10
	7100362610	Fibre Discs	5" Diameter; Ribbed; Medium – Gray	12,000	10
	7100362920	Fibre Discs	6" Diameter; Ribbed; Medium – Gray	8,000	10
	7100362838	Fibre Discs	7" Diameter; Ribbed; Medium – Gray	8,000	10
3M™ Disc Pad Face Plates					
	7000120513	Fibre Discs	4-1/2" Diameter; Smooth; Medium – Gray	13,300	10
	7000144144	Fibre Discs	4-1/2" Diameter; Smooth; Hard – Black	13,300	10
	7000045279	Fibre Discs	4-1/2" Diameter; Ribbed; Extra Hard – Red	13,300	10
	7000120516	Fibre Discs	5" Diameter; Ribbed; Medium – Gray	12,000	10
	7000120518	Fibre Discs	5" Diameter; Ribbed; Hard – Black	12,000	10
	7000120517	Fibre Discs	5" Diameter; Ribbed; Extra Hard – Red	12,000	10
	7000120515	Fibre Discs	7" Diameter; Ribbed; Medium – Gray	8,600	10
	7000120514	Fibre Discs	7" Diameter; Ribbed; Hard – Black	8,600	10
	7000028419	Fibre Discs	7" Diameter; Ribbed; Extra Hard – Red	8,600	10
	7000148244	Fibre Discs	9" Diameter; Ribbed; Hard – Black	6,600	10
	7000144145	Fibre Discs	9" Diameter; Ribbed; Extra Hard – Red	6,600	10
	3M™ TN Quick Change Disc Backup Pad				
	7000045746	4-1/2" TN Discs	4-1/2" x 5/8–11 INT	13,300	5
3M™ Disc Retainer Nuts					
	7100265315	3M™ Retainer Nut PN 02618	3/16" PG Wheel Spacer and 1/8" Spacer	N/A	1
	7000120474	3M™ Disc Pad Face Plates and Disc Pad Hubs	5/16" Depth; 5/8–11 Thread	N/A	10
	7000028420		5/8" Depth; 5/8–11 Thread	N/A	10
	7000120523		3/8" Depth; 5/8–11 Thread	N/A	10
	7000120524		1/2"; Depth; 5/8–11 Thread	N/A	10
3M™ Disc Holder Adapter 9					
	7000046094	Converts grinders with M10–1.25, M10–1.5 or 3/8–24 EXT threaded shaft to a 5/8–11 EXT threaded shaft	M10–1.25 INT	N/A	10
	7000046095		M10–1.50 INT	N/A	10
	7000046095		3/8–24 INT	N/A	10
For Bonded Wheels and Cut-Off Wheels					
Flap Disc/Grinding Wheel Adapter Kit					
	7010364084	Mounting kit for 6" and larger flap discs/grinding wheels	4" Diameter; 5/8–11 Thread	N/A	1
3M™ Green Corps™ Flexible Grinding Disc					
	7010364096	Holder for 4-1/2" x 7/8" center hole flexible grinding wheel	3-3/8" Diameter; 7/8" Center Hole; Clear	N/A	5/100
	7100123285	Holder for 7" x 7/8" center hole flexible grinding wheel	4-5/8" Diameter; 7/8" Center Hole; Clear	N/A	5/100
Flange Nut					
	7010298962	4" grinder with 3/8–24 thread; 4" x 1/4" x 5/8" center hole Depressed Center Grinding Wheels and Unitized Wheels	1" x 5/8" x 3/8"; 3/8–24 INT	N/A	1 set/bag, 5 sets/case
	7010362552	4-1/2" grinder with 5/8–11 thread; 4" x 1/4" x 5/8" center hole Depressed Center Grinding Wheels and Unitized Wheels	1" x 5/8"; 5/8–11 INT	N/A	1 set/bag, 5 sets/case



► 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	Beveling
New		3M™ Cubitron™ 3 Roloc™ Durable Edge Disc 1184F	mild steel, stainless steel	high/medium	◆	◆	◆	◆
		3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F	mild steel, stainless steel	high/medium	◆	◆	◆	◆
		3M™ Cubitron™ II Roloc™ Durable Edge Disc 947A	mild steel, stainless steel, aluminum	medium/low		◆		
New		3M™ Cubitron™ 3 Roloc™ Fibre Disc 1182C	mild steel	high/medium	◆	◆		
		3M™ Cubitron™ II Roloc™ Fibre Disc 982C	mild steel	high/medium	◆	◆		
New		3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C	stainless steel, non-ferrous metals, aluminum	high/medium	◆	◆		
		3M™ Cubitron™ II Roloc™ Fibre Disc 987C	stainless steel, non-ferrous metals, aluminum	high/medium	◆	◆		
		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	light	◆	◆	◆	
		Scotch-Brite™ Roloc™ Surface Conditioning Disc (SC-DR)	all metals		light	◆	◆	
New		Scotch-Brite™ Roloc™ Precision Heavy Duty	aluminum, stainless steel, mild steel, copper, nickel alloy	light	◆	◆		
		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™+ 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				◆	

► **Advanced Series:** Designed for value-priced performance

New		3M™ Roloc™ Fibre disc 767F	mild steel, stainless steel, non-ferrous metals, aluminum	high/medium	◆	◆	◆	◆
		3M™ Roloc™ Fibre Disc 782C	mild steel	high/medium	◆	◆	◆	
		3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminum	high/medium	◆	◆	◆	
		3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminum	medium			◆	
		3M™ Roloc™ Disc 361F	all metals			◆	◆	◆

Application guide

► **Premium Series:**

Designed for unparalleled power and performance

Substrate use:

			Contaminate removal	Blending	Rust removal	Paint prep	Weld prep	Weld removal
New		3M™ Cubitron™ 3 Roloc™ Durable Edge Disc 1184F	mild steel, stainless steel				◆	small welds
		3M™ Cubitron™ II Roloc™ Durable Edge Disc 984F	mild steel, stainless steel				◆	small welds
		3M™ Cubitron™ II Roloc™ Durable Edge Disc 947A	mild steel, stainless steel, aluminum					
New		3M™ Cubitron™ 3 Roloc™ Fibre Disc 1182C	mild steel					small welds
		3M™ Cubitron™ II Roloc™ Fibre Disc 982C	mild steel					small welds
New		3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C	stainless steel, non-ferrous metals, aluminum					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 (XL-UW)	metals, plastics, composites					
		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	◆				
New		Scotch-Brite™ Roloc™ Precision Heavy Duty	aluminum, stainless steel, mild steel, copper, nickel alloy	◆		◆		small welds
		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™ + Flap Brush (FF-ZR/PF-ZR/CB-ZR)	wood, metals, lacquers					
		Scotch-Brite™ Roloc™ + Cut and Polish Disc (C5/ZR)	all metals					
		Scotch-Brite™ Roloc™ + Clean & Strip XT Pro Extra Cut Disc	corrosion, coatings, metals	◆				small welds
		Scotch-Brite™ Roloc™ + Clean & Strip XT Pro Disc	corrosion, coatings, metals	heavy removal				small welds

► **Advanced Series:** Designed for value-priced performance

New		3M™ Roloc™ Fibre disc 767F	mild steel, stainless steel, non-ferrous metals, aluminum				◆	
		3M™ Roloc™ Fibre Disc 782C	mild steel					
		3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminum					
		3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminum					
		3M™ Roloc™ Disc 361F	all metals	◆		◆		

3M™ Roloc™ Attachment System Guide (Coated Abrasives)

Product ID	Attachment Type						
	Attachment	0.75 in	1 in	1.5 in	2 in	3 in	4 in
1184F	TR			●	●	●	●
	TSM			●	●	●	
	TS						●
1182C	TR				●	●	●
	TSM				●	●	
	TR						●
1187C	TR			●	●	●	●
	TSM			●		●	
	TS						●
984F	TR	●	●	●	●	●	●
	TSM		●	●	●	●	●
	TS				●		●
947A	TR		●	●	●	●	●
	TSM			●	●	●	●
982C	TR				●	●	●
	TSM				●	●	
	TS						●
987C	TR			●	●	●	●
	TSM			●	●	●	
	TS						●
767F	TR				●	●	●
	TSM				●	●	
782C	TR			●	●	●	●
	TS						●
787C	TR			●	●	●	●
	TS			●	●		●
777F	TR		●	●	●	●	●
	TSM			●	●	●	
	TS	●	●	●	●	●	
361F	TR		●	●	●	●	●
	TSM			●	●	●	
	TS		●		●	●	

3M™ Roloc™ Systems

3M™ Roloc™ Disc Button Color/Grade Chart

● 24/Black	● 50/Green	● 80/Yellow	○ 120/White*	● 180/Brown
● 36/Brown	● 60/Orange	● 100/Blue	● 150/Black	● 240/Green

* 120/White button can also be used when specific grade is written on the back of the disc.

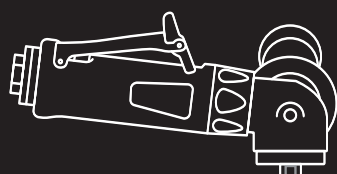
Optimum tool speed to maximize 3M™ Roloc™ Disc cut rates and life (Coated Abrasives)

Disc size	Substrate			
	Carbon Steel	Stainless Steel	Titanium	Aluminum
1-1/2 in	30,000 RPM	20,000 RPM	9,000 RPM	30,000 RPM
2 in	20,000 RPM	15,000 RPM	7,000 RPM	20,000 RPM
3 in	15,000 RPM	10,000 RPM	4,500 RPM	15,000 RPM
4 in	9,000 RPM	8,000 RPM	3,000 RPM	9,000 RPM

Note: Surface conditioning discs may differ in RPM speed.

TR (Plastic Button)	
TSM (Metal Button)	
TS (Plastic Button)	
TR+ (Plastic Button)	

3M™ Roloc™ System



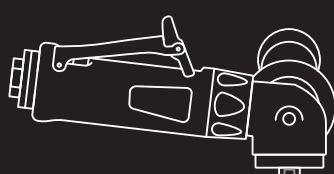
Sander Adapter
ON 06582



3M™ Roloc™
Disc Pad



3M™ Roloc™
Disc or Wheel



Optional 1/4" Collet
(assembly included
with tool)**



1/4" x 1/4-20
Threaded Shaft
PN 45102



3M™ Roloc™
Disc Pad



3M™ Roloc™
Disc or Wheel



SHORT*

“Direct Mount” Backup Pad Attachment:

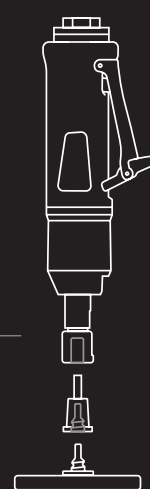
Shorter distance to
the work piece
generates less vibration
and allows for better
operator control.

TALL

1/4" Collet Option:

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

3M™ Roloc™ + System



3M™ Roloc™+
Holder

Scotch-Brite™
Roloc™+ Wheel
or Brush

3M™ Roloc™ Cloth Disc Selection Guide

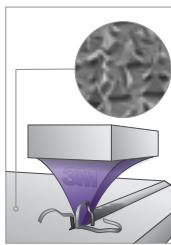
	Product	Mineral Type	Features	Metal Type	Perform.	Grinding	Light Grinding	Blending	Deburring
New	1184F	Precision-Shaped Grain	Durable Edge / 2-ply polyester backing for wear-resistance in edge work. Grinding aid to keep cut cool.	All Metals	Best	●	●	●	●
	984F	Precision-Shaped Grain	Durable 2-ply backing; grinding aid; fast cutting	All Metals	Better	●	●	●	●
	947A	Precision-Shaped Grain	Durable 2-ply backing; grinding aid	Stainless Steel and Aluminum	Better	●	●	●	●
New	767F	Precision-Shaped Grain	Durable Edge / 2-ply polyester backing for wear-resistance in edge work.	Carbon Steel, Stainless Steel and High Nickel Alloys	Good	●	●	●	●
	777F	Durable	Ceramic and aluminum oxide blend, grinding aid.	Mild Steel, Stainless Steel, Non-Ferrous Metals, Aluminum	Good	●	●	●	●
	361F	Aluminum Oxide	Durable YF weight polyester backing; general purpose grinding, light grinding, blending and deburring on all metals.	Crushed Mineral	Good	●	●	●	●

3M™ Roloc™ Fibre Disc Selection Guide

	Product	Mineral Type	Features	Metal Type	Perform.	Grinding	Light Grinding	Blending	Deburring
New	1182C	Precision-Shaped Grain	Re-engineered curved sides 3M Precision-Shaped Grain — taking the legendary speed and life of 3M™ Cubitron™ Performance Abrasives to a whole new level. High-medium pressure applications.	Carbon Steels	Best	●	●		●
New	1187C	Precision-Shaped Grain	Re-engineered curved sides 3M Precision-Shaped Grain — taking the legendary speed and life of 3M™ Cubitron™ Performance Abrasives to a whole new level. Grinding aid to keep cut cool in stainless-steel and heat-sensitive metals. High-medium pressure applications.	Stainless Steel	Best	●	●		●
	982C	Precision-Shaped Grain	Fast cut, long life	Carbon Steel	Better	●	●		●
	987C	Precision-Shaped Grain	High performance on heat sensitive metals and alloys; grinding aid	Stainless Steel	Better	●	●		●
	782C	Precision-Shaped Grain	Performance and value	Carbon Steel	Good	●	●		●
	787C	Precision-Shaped Grain	Grinding aid	Stainless Steel and Aluminum	Good	●	●		●

3M™ Roloc™ Coated Discs

Our Latest 3M Precision-Shaped Grain



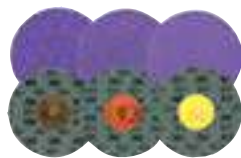
Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in grain shape. This helps increase productivity and lower overall grinding costs.



Cubitron™ 3
Performance Abrasives

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

- The curved sides of Re-Engineered 3M Precision-Shaped Grain help to maintain sharp points that cut exceptionally fast with less pressure
- Designed for tackling medium to high-pressure grinding applications when a smaller-sized disc with wear resistance in edge work is needed



3M ID	Diameter (Inch)	Grade	Min/Case
Roloc™ TR (Plastic Button)			
7100331411	1-1/2"	36+	50/200
7100332562	1-1/2"	60+	50/200
7100331726	1-1/2"	80+	50/200
7100331727	2"	36+	50/200
7100331410	2"	60+	50/200
7100332404	2"	80+	50/200
7100331731	3"	36+	50/200
7100331725	3"	60+	50/200
7100332405	3"	80+	50/200
7100332084	4"	36+	50/200
7100332083	4"	60+	50/200
Roloc™ TSM (Metal Button)			
7100331752	1-1/2"	36+	50/200
7100331747	1-1/2"	60+	50/200
7100331748	2"	36+	50/200
7100331732	2"	60+	50/200
7100331743	2"	80+	50/200
7100331744	3"	36+	50/200
7100331750	3"	60+	50/200
7100331751	3"	80+	50/200

■ Mild Steel ■ Stainless Steel

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

- The curved sides of Re-Engineered 3M Precision-Shaped Grain help to maintain sharp points that cut exceptionally fast with less pressure
- A stiff fiber backing and strong resin bond provide durability and tear resistance, not only for heavy grinding applications and beveling, but — thanks to the variety of mineral grades offered — also for medium-pressure surface grinding, weld removal, blending, and robotic operations



3M ID	Diameter (Inch)	Grade	Min/Case
Roloc™ TR (Plastic Button)			
7100332086	2"	36+	50/200
7100332343	2"	60+	50/200
7100332356	2"	80+	50/200
7100332346	3"	36+	50/200
7100332232	3"	60+	50/200
7100332357	3"	80+	50/200
7100332344	4"	36+	50/200
7100332350	4"	60+	50/200
Roloc™ TSM (Metal Button)			
7100332352	2"	60+	50/200
7100332348	3"	80+	50/200
7100332354	3"	36+	50/200

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

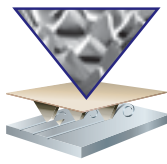
- The curved sides of Re-Engineered 3M Precision-Shaped Grain help to maintain sharp points that cut exceptionally fast with less pressure
- An incorporated grinding aid helps minimize grinding temperatures for stainless steel and other heat-sensitive alloys



3M ID	Diameter (Inch)	Grade	Min/Case
Roloc™ TR (Plastic Button)			
7100332836	1-1/2"	60+	50/200
7100331754	2"	36+	50/200
7100331745	2"	60+	50/200
7100331753	2"	80+	50/200
7100331749	3"	36+	50/200
7100332087	3"	60+	50/200
7100332088	3"	80+	50/200
7100332089	4"	80+	50/200
Roloc™ TSM (Metal Button)			
7100332837	1-1/2"	60+	50/500
7100332091	3"	36+	50/200
7100332095	3"	60+	50/200
7100332092	3"	80+	50/200

3M™ Roloc™ Coated Discs

3M Precision-Shaped Grain



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



Cubitron™ 2
Performance Abrasives

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

- Made with 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 (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7000045166	1-1/2"	36+	30,000	50/200
7000045171	1-1/2"	60+	30,000	50/200
7000045175	1-1/2"	80+	30,000	50/200
7100254424	1-1/2"	120+	30,000	50/200
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
7100006571	4"	36+	12,000	25/100
7100006570	4"	60+	12,000	25/100
7100006569	4"	80+	12,000	25/100
Roloc™ TSM (Metal Button)				
7000045168	1-1/2"	36+	30,000	50/200
7000119218	1-1/2"	60+	30,000	50/200
7000045177	1-1/2"	80+	30,000	50/200
7000045169	2"	36+	25,000	50/200
7000045173	2"	60+	25,000	50/200
7000045178	2"	80+	25,000	50/200
7100254434	2"	120+	25,000	50/200
7000045170	3"	36+	20,000	50/200
7000045174	3"	60+	20,000	50/200
7000119217	4"	36+	12,000	25/100
7010294799	4"	60+	12,000	25/100
7000119220	4"	80+	12,000	25/100

*Made-to-Order

3M™ Cubitron™ 2 Roloc™ Durable Edge Disc 947A

- Features 3M Precision-Shaped Grain
- Great for deburring, blending, cleaning, and finishing applications
- Loading resistant resulting in a faster cut and longer lasting
- Quick-change capability



3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button)				
7100077038	1-1/2"	40+	30,000	50/200
7100077046	1-1/2"	60+	30,000	50/200
7100076924	1-1/2"	80+	30,000	50/200
7100076932	1-1/2"	120+	30,000	50/200
7100077039	2"	40+	25,000	50/200
7100077047	2"	60+	25,000	50/200
7100076925	2"	80+	25,000	50/200
7100076933	2"	120+	25,000	50/200
7100077040	3"	40+	20,000	50/200
7100076898	3"	60+	20,000	50/200
7100076926	3"	80+	20,000	50/200
7100076934	3"	120+	20,000	50/200
7100077041	4"	40+	12,000	25/100
7100076899	4"	60+	12,000	25/100
7100076927	4"	80+	12,000	25/100
7100076935	4"	120+	12,000	25/100
Roloc™ TSM (Metal Button)				
7100077042	1-1/2"	40+	30,000	50/200
7100076920	1-1/2"	60+	30,000	50/200
7100076928	1-1/2"	80+	30,000	50/200
7100076936	1-1/2"	120+	30,000	50/200
7100077043	2"	40+	25,000	50/200
7100076921	2"	60+	25,000	50/200
7100076929	2"	80+	25,000	50/200
7100076937	2"	120+	25,000	50/200
7100077044	3"	40+	20,000	50/200
7100076922	3"	60+	20,000	50/200
7100076930	3"	80+	20,000	50/200
7100076894	3"	120+	20,000	50/200
7100077045	4"	40+	12,000	25/100
7100076923	4"	60+	12,000	25/100
7100076931	4"	80+	12,000	25/100
7100076895	4"	120+	12,000	25/100

■ Mild Steel ■ Stainless Steel

3M™ Roloc™ Systems

3M™ Roloc™ Coated Discs

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

- Made with 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
7100006575	4"	36+	25/100
7100006574	4"	60+	25/100
7100006573	4"	80+	25/100
Roloc™ TSM (Metal Button) 			
7000148118	2"	36+	50/200
7000044903	2"	60+	50/200
7000044905	2"	80+	50/200
7100126838	3"	36+	50/200
7010325714	3"	60+	50/200
7010299903	3"	80+	50/200
Roloc™ TS (Plastic Button) 			
7100084495	4"	36+	25/100
7010327218	4"	60+	25/100
7010361842	4"	80+	25/100

3M™ Cubitron™ 2 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
- Best in class for weld prep and removal on heat sensitive alloys such as stainless steel



3M ID	Size (Inch)	Grade	Qty
Roloc™ TR (Plastic Button) 			
7100063613	2"	36+	50/200
7100063614	2"	60+	50/200
7100063615	2"	80+	50/200
7100050304	3"	36+	50/200
7100050303	3"	60+	50/200
7100050302	3"	80+	50/200
7010299920	4"	36+	25/100
7010360665	4"	60+	25/100
7010360667	4"	80+	25/100
Roloc™ TSM (Metal Button) 			
7010360663	2"	36+	50/200
7010325842	2"	60+	50/200
7010307723	2"	80+	50/200
7010325841	3"	36+	50/200
7010290601	3"	60+	50/200
7010360668	3"	80+	50/200
Roloc™ TS (Plastic Button) 			
7100096553	4"	36+	25/100
7100096602	4"	60+	25/100
7100096552	4"	80+	25/100

■ Mild Steel ■ Stainless Steel

3M™ Roloc™ Durable Edge Disc 767F ■ ■ ■ New

- Rapidly cuts hard to grind metals like carbon steel, stainless steel and high nickel alloys
- Premium mineral excels at heavyweight applications such as weld grinding, beveling, and edge chamfering
- 3M Precision Shaped Grain yields higher cut rates and cooler cut while completing more parts per disc than conventional minerals.
- Grinding aid minimizes grinding temperatures for heat-sensitive alloys



3M ID	Diameter (Inch)	Grade	Min/Case
Roloc™ TR (Plastic Button) 			
7100344576	2"	36+	50/200
7100347296	2"	60+	50/200
7100344577	2"	80+	50/200
7100347323	2"	120+	50/200
7100347343	3"	36+	50/200
7100342817	3"	60+	50/200
7100347234	3"	80+	50/200
7100342860	3"	120+	50/200
7100347288	4"	36+	25/100
7100346191	4"	60+	25/100
7100347314	4"	80+	25/100
7100346791	4"	120+	25/100
Roloc™ TSM (Metal Button) 			
7100346792	2"	36+	50/200
7100342808	2"	60+	50/200
7100342946	2"	80+	50/200
7100347333	2"	120+	50/200
7100347235	3"	36+	50/200
7100347353	3"	60+	50/200
7100342641	3"	80+	50/200
7100347256	3"	120+	50/200

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 require less grinding pressure for easier operation
- Stiff fiber backing and strong resin bond provide durability and tear-resistance



3M ID	Diameter (Inch)	Grade	Qty/Case
Roloc™ TR (Plastic Button) 			
7100100976	2"	36+	50/200
7100100989	2"	60+	50/200
7100100999	2"	80+	50/200
7100100942	3"	36+	50/200
7100100885	3"	60+	50/200
7100100986	3"	80+	50/200
7100100975	4"	36+	25/100
7100101038	4"	60+	25/100
7100100991	4"	80+	25/100
Roloc™ TS (Plastic Button) 			
7100100985	4"	36+	25/100
7100100984	4"	60+	25/100
7100100983	4"	80+	25/100

3M™ Roloc™ Coated Discs

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 alumina zirconia (AZ) and conventional ceramic discs in applications like weld removal, beveling, edge chamfering and more
- Made with 3M Precision-Shaped Grain, for outstanding speed and long life
- Great for grinding, weld removal, beveling and edge chamfering
- Stiff fiber backing and strong resin bond provide durability and tear-resistance



3M ID	Size (Inch)	Grade	Qty
Roloc™ TR (Plastic Button) 			
7100100974	2"	36+	50/200
7100100982	2"	60+	50/200
7100100962	2"	80+	50/200
7100100964	2"	120+	50/200
7100100981	3"	36+	50/200
7100100979	3"	60+	50/200
7100100961	3"	80+	50/200
7100100966	3"	120+	50/200
7100100980	4"	36+	25/100
7100100978	4"	60+	25/100
7100100963	4"	80+	25/100
7100100965	4"	120+	25/100
Roloc™ TS (Plastic Button) 			
7100100990	4"	36+	25/100
7100100886	4"	60+	25/100
7100100960	4"	80+	25/100
7100100959	4"	120+	25/100

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 (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7000045618	1"	36	30,000	50/500
7000045619	1"	50	30,000	50/500
7000045620	1"	60	30,000	50/500
7000045621	1"	80	30,000	50/500
7000045622	1"	P120	30,000	50/500
7000045623	1-1/2"	36	30,000	50/500
7000120351	1-1/2"	50	30,000	50/500
7000045624	1-1/2"	60	30,000	50/500
7000045625	1-1/2"	80	30,000	50/500
7000120352	1-1/2"	P120	30,000	50/500
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
Roloc™ TSM (Metal Button) 				
7000118298	2"	36	25,000	50/200
7000118299	2"	60	25,000	50/200
7000118300	2"	80	25,000	50/200
7000118301	2"	100	25,000	50/200
7000118302	2"	P120	25,000	50/200
7000118303	3"	36	20,000	50/200
Roloc™ TS (Plastic Button) 				
7010328291	2"	36	25,000	50/200
7010363894	2"	50	25,000	50/200
7010299188	2"	60	25,000	50/200
7010363899	3"	36	20,000	50/200
7010309462	3"	50	20,000	50/200
7010363900	3"	60	20,000	50/200
7010328295	3"	80	20,000	50/200

Other sizes available as made to order.

3M™ Roloc™ Coated Discs



3M™ Roloc™ Disc 361F ■ ■

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

3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7000045092	1"	36	30,000	50/500
7000045095	1"	50	30,000	50/500
7000000375	1"	60	30,000	50/500
7000000380	1"	80	30,000	50/500
7100044582	1"	P100	30,000	50/500
7000045104	1"	P120	30,000	50/500
7000045091	1-1/2"	36	30,000	50/500
7000045094	1-1/2"	50	30,000	50/500
7000045097	1-1/2"	60	30,000	50/500
7000045099	1-1/2"	80	30,000	50/500
7000045101	1-1/2"	P100	30,000	50/500
7000045103	1-1/2"	P120	30,000	50/500
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
7000148152	4"	36	12,000	25/100
7010308442	4"	60	12,000	25/100
7010360779	4"	80	12,000	25/100

3M™ Roloc™ Disc 361F (cont)

3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TSM (Metal Button) 				
7010326245	1-1/2"	36	30,000	50/500
7000119015	1-1/2"	60	30,000	50/500
7000119018	1-1/2"	80	30,000	50/500
7010360765	1-1/2"	P100	30,000	50/500
7010308439	1-1/2"	P120	30,000	50/500
7000119014	2"	36	25,000	50/200
7000119016	2"	60	25,000	50/200
7000119019	2"	80	25,000	50/200
7000119020	2"	P100	25,000	50/200
7010360767	2"	P120	25,000	50/200
7000148150	3"	36	20,000	50/200
7000119017	3"	60	20,000	50/200
7000148151	3"	80	20,000	50/200
7100070473	3"	P100	20,000	50/200
7100035321	3"	P120	20,000	50/200

Choose the Right Disc for the Job

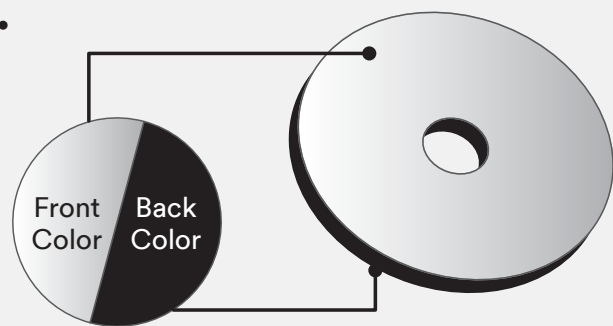
Scotch-Brite™ Surface Conditioning Disc Guide

Cracking The Color Code — Discs

Have confidence that you are using the real deal.

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

PSG technology built into the product



P Grade Range

Scotch-Brite™ Surface Conditioning Discs		SFN Super Fine	VFN Very Fine	FIN Fine	MED Medium	CRS Coarse	XCRS Extra Coarse	XXCRS X-Extra Coarse
Multi-Purpose / Low Pressure	PSG Precision		 320–280	 280–220	 220–150	 150–120	 120–100	
	SC	 600–400	 400–320		 220–180	 150–120		
Heavy Duty / High Pressure	PSG New Precision Heavy Duty				 150+	 120+	 80+	 60+

Scotch-Brite™ SE Surface Conditioning Discs are also available for heavy duty applications.

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: Multi-Purpose/Low Pressure

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 (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7100264665	3/4"	• VFN	30,000	50/200
7100264664	3/4"	• FIN	30,000	50/200
7100263902	3/4"	• MED	30,000	50/200
7100263901	3/4"	• CRS	30,000	50/200
7100264433	3/4"	• XCRS	30,000	50/200
7100264156	1"	• VFN	30,000	50/200
7100264159	1"	• FIN	30,000	50/200
7100264161	1"	• MED	30,000	50/200
7100271028	1"	• CRS	30,000	50/200
7100264150	1"	• XCRS	30,000	50/200
7100264166	1-1/2"	• VFN	30,000	50/200
7100264167	1-1/2"	• FIN	30,000	50/200
7100264168	1-1/2"	• MED	30,000	50/200
7100264169	1-1/2"	• CRS	30,000	50/200
7100264170	1-1/2"	• XCRS	25,000	50/200
7100264173	2"	• VFN	25,000	50/200
7100264174	2"	• FIN	25,000	50/200
7100264089	2"	• MED	25,000	50/200
7100264090	2"	• CRS	25,000	50/200
7100264091	2"	• XCRS	25,000	50/200
7100264194	3"	• VFN	20,000	25/100
7100264195	3"	• FIN	20,000	25/100
7100264196	3"	• MED	20,000	25/100
7100264197	3"	• CRS	20,000	25/100
7100264198	3"	• XCRS	20,000	25/100
7100264199	4"	• VFN	15,000	25/100
7100264204	4"	• FIN	15,000	25/100
7100264142	4"	• MED	15,000	25/100
7100264203	4"	• CRS	15,000	25/100
7100270872	4"	• XCRS	15,000	25/100

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!

PSG



3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TS (Metal Button) 				
7100264437	3/4"	• VFN	30,000	50/200
7100264436	3/4"	• FIN	30,000	50/200
7100264435	3/4"	• MED	30,000	50/200
7100264434	3/4"	• CRS	30,000	50/200
7100264439	3/4"	• XCRS	30,000	50/200
7100264440	1"	• VFN	30,000	50/200
7100264441	1"	• FIN	30,000	50/200
7100264442	1"	• MED	30,000	50/200
7100264444	1"	• CRS	30,000	50/200
7100264443	1"	• XCRS	30,000	50/200
7100264200	1-1/2"	• VFN	30,000	50/200
7100264201	1-1/2"	• FIN	30,000	50/200
7100264205	1-1/2"	• MED	30,000	50/200
7100264206	1-1/2"	• CRS	30,000	50/200
7100264207	1-1/2"	• XCRS	30,000	50/200
7100264445	2"	• VFN	25,000	50/200
7100264446	2"	• FIN	25,000	50/200
7100264447	2"	• MED	25,000	50/200
7100264314	2"	• CRS	25,000	50/200
7100264315	2"	• XCRS	25,000	50/200
7100264316	3"	• VFN	20,000	25/100
7100264317	3"	• FIN	20,000	25/100
7100264318	3"	• CRS	20,000	25/100
7100264208	3"	• MED	20,000	25/100
7100264202	3"	• XCRS	20,000	25/100
7100271027	4"	• VFN	15,000	25/100
7100271026	4"	• FIN	15,000	25/100
7100263880	4"	• MED	15,000	25/100
7100263881	4"	• CRS	15,000	25/100
7100263882	4"	• XCRS	15,000	25/100

New

Scotch-Brite™ Precision and Precision Heavy Duty Roloc™ Trial Packs



3M ID	Dia (Inch)	Precision Grade	Precision Heavy Duty Grade	Attachment
Roloc™				
7100373339	2	• Very Fine • Fine • Medium • Coarse • X-Extra Coarse	• Medium • Coarse • Extra Coarse • X-Extra Coarse	Roloc™ TR
7100371491	3	• Very Fine • Fine • Medium • Coarse • X-Extra Coarse	• Medium • Coarse • Extra Coarse • X-Extra Coarse	Roloc™ TR

Scotch-Brite™ Roloc™ Discs: Multi-Purpose/Low Pressure

Scotch-Brite™ Roloc™ SC Surface Conditioning Discs

- Scotch-Brite™ surface conditioning nonwoven web provides a burr-free decorative finish



- Removes grind marks, rust and coatings

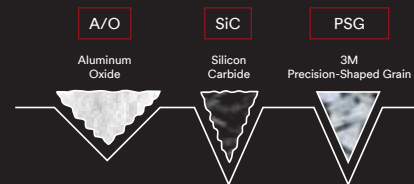
3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7000000704	1"	● A CRS	30,000	50/200
7000021280	1"	● A MED	30,000	50/200
7000021279	1"	● A VFN	30,000	50/200
7000045951	1"	● S SFN	30,000	50/200
7000045887	1-1/2"	● A CRS	30,000	50/200
7000045888	1-1/2"	● A MED	30,000	50/200
7000120595	1-1/2"	● A VFN	30,000	50/200
7100106753	1-1/2"	● S SFN	30,000	50/200
7000000752	2"	● A CRS	25,000	50/200
7000000751	2"	● A MED	25,000	50/200
7000000753	2"	● S SFN	25,000	50/200
7000000750	2"	● A VFN	25,000	50/200
7000000756	3"	● A CRS	18,000	25/100
7000000755	3"	● A MED	18,000	25/100
7000028501	3"	● S SFN	18,000	25/100
7000000754	3"	● A VFN	18,000	25/100
7100007009	4"	● A CRS	12,000	25/100
7100007035	4"	● A MED	12,000	25/100
7100007040	4"	● S SFN	12,000	25/100
7100007032	4"	● A VFN	12,000	25/100
Roloc™ TSM (Metal Button) 				
7100014112	1-1/2"	● A MED	30,000	50/200
7000046122	1-1/2"	● A VFN	30,000	50/200
7000120992	2"	● A CRS	25,000	50/200
7000120991	2"	● A MED	25,000	50/200
7000120996	2"	● A VFN	25,000	50/200
7000120994	3"	● A CRS	18,000	25/100
7000120993	3"	● A MED	18,000	25/100
7000120998	3"	● A VFN	18,000	25/100
7010366433	3"	● S SFN	18,000	25/100
Roloc™ TS (Plastic Button) 				
7010328681	3"	● A CRS	18,000	25/100
7100035317	3"	● A MED	18,000	25/100
7100035125	3"	● A VFN	18,000	25/100

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

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

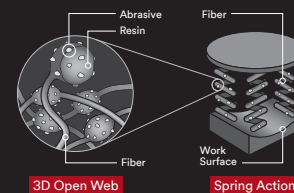
3M Precision-Shaped Grain and Minerals

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: Heavy Duty/High Pressure

Scotch-Brite™ Roloc™ Precision Heavy Duty Surface Conditioning Disc



- Designed for high-pressure applications, such as grinding, deburring, edge breaking, blending, and refining
- Grade XXCRS (60+) on mild steel processes 3X more parts than competitive premium nonwoven abrasives (based on 3M internal testing)
- Scotch-Brite™ nonwoven fibers combined with 3M Precision-Shaped Grain deliver improved performance over traditional surface conditioning discs
- Choose from MED (150+), CRS (120+), XCRS (80+), and XXCRS (60+)



3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
Roloc™ TR (Plastic Button) 				
7100359476	1 x NH	● Medium	30,000	200
7100359463	1 x NH	● Coarse	30,000	200
7100359464	1 x NH	● Extra Coarse	30,000	200
7100359478	1 x NH	● X-Extra Coarse	30,000	200
7100359482	1-1/2 x NH	● Medium	30,000	200
7100359483	1-1/2 x NH	● Coarse	30,000	200
7100359484	1-1/2 x NH	● Extra Coarse	30,000	200
7100359485	1-1/2 x NH	● X-Extra Coarse	30,000	200
7100359487	2 x NH	● Medium	25,000	100
7100359489	2 x NH	● Coarse	25,000	100
7100359479	2 x NH	● Extra Coarse	25,000	100
7100359490	2 x NH	● X-Extra Coarse	25,000	100
7100359470	2 x NH	● Medium	25,000	200
7100359486	2 x NH	● Coarse	25,000	200
7100359477	2 x NH	● Extra Coarse	25,000	200
7100359904	2 x NH	● X-Extra Coarse	25,000	200
7100359480	3 x NH	● Medium	20,000	100
7100359491	3 x NH	● Coarse	20,000	100
7100359481	3 x NH	● Extra Coarse	20,000	100
7100359753	3 x NH	● X-Extra Coarse	20,000	100
7100359754	4 x NH	● Medium	15,000	100
7100359764	4 x NH	● Coarse	15,000	100
7100359755	4 x NH	● Extra Coarse	15,000	100
7100359778	4 x NH	● X-Extra Coarse	15,000	100

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
Roloc™ TS (Plastic Button) 				
7100359760	2 x NH	● Medium	25,000	200
7100359837	2 x NH	● Coarse	25,000	200
7100359762	2 x NH	● Extra Coarse	25,000	200
7100359769	2 x NH	● X-Extra Coarse	25,000	200
7100359766	3 x NH	● Medium	20,000	100
7100359763	3 x NH	● Coarse	20,000	100
7100359770	3 x NH	● Extra Coarse	20,000	100
7100359765	3 x NH	● X-Extra Coarse	20,000	100
7100359771	4 x NH	● Medium	15,000	100
7100359767	4 x NH	● Coarse	15,000	100
7100359761	4 x NH	● Extra Coarse	15,000	100
7100359768	4 x NH	● X-Extra Coarse	15,000	100

3M ID	Dia x Ctr Hole (Inch)	Grade	Max RPM	Qty/Case
Roloc™ TSM (Metal Button) 				
7100359466	2 x NH	● Medium	25,000	200
7100359471	2 x NH	● Coarse	25,000	200
7100359457	2 x NH	● Extra Coarse	25,000	200
7100359472	2 x NH	● X-Extra Coarse	25,000	200
7100359458	3 x NH	● Medium	20,000	100
7100359459	3 x NH	● Coarse	20,000	100
7100359461	3 x NH	● Extra Coarse	20,000	100
7100359462	3 x NH	● X-Extra Coarse	20,000	100

Scotch-Brite™ Roloc™ SE Surface Conditioning Discs

- This coarse, tough, aggressive nonwoven disc is ideal for heavy-duty deburring and finishing



3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7000046111	2"	● A CRS	25,000	50/200
7000046110	2"	● A MED	25,000	50/200
7100034847	2"	● A FIN	25,000	50/200
7000042733	3"	● A CRS	18,000	25/100
7000046112	3"	● A MED	18,000	25/100
7000046149	3"	● A FIN	18,000	25/100

Scotch-Brite™ Roloc™ Discs

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	2" x NH	S XCS	18,000	10/60
7100173795	3" x NH	S XCS	15,000	10/40
7100176094	4" x NH	S XCS	11,000	10/40
Roloc™ TR+ (Plastic Button) 				
7100173794	4" x 1/2"	S XCS	12,000	10
7100173791	4" x 1"	S XCS	8,000	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	2" x NH	A XCS	18,000	10/60
7100173790	3" x NH	A XCS	15,000	10/40
7100173796	4" x NH	A XCS	11,000	10/40

Use For

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

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 (Inch)	Grade	Max RPM	Min/Case
7100062946	4" x 1"	S XCS	8,000	10
7000120711	4" x 1" x 1/4"	S XCS	8,000	10

Scotch-Brite™ Roloc™ HS Blend and Finish Discs

- Aluminum oxide mineral
- New high strength nonwoven with superior durability and cut
- Great flexibility and conformability for weld burn removal, light deburring, blending, finishing and rust removal



3M ID	Diameter (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7000046260	2"	A MED	18,000	200
7000046261	3"	A MED	15,000	100
Roloc™ TSM (Metal Button) 				
7100075586	2"	A MED	18,000	200
7000046262	3"	A MED	15,000	100

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 (Inch)	Grade	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 				
7100000860	2"	2A MED	22,100	15/60
7000045976	2"	2S FIN	22,100	15/60
7000045979	2"	6A MED	22,100	15/60
7000045980	2"	8A MED	22,100	15/60
7100000858	3"	2A MED	15,100	10/40
7100005209	3"	2S FIN	15,100	10/40
7000028469	3"	6A MED	15,100	10/40
7000045981	3"	8A MED	15,100	10/40

Scotch-Brite™ Roloc™ Discs

Scotch Brite™ Roloc™ Deburr and Finish PRO Unitized Wheel

- Ideal for both OE use and for maintenance operations
- Soft to reduce defects, yet durable, for fewer wheel changeouts
- Faster burr removal
- Quickly polish, finish, blend and deburr with minimal loading or change to part geometry
- 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 (Dia×Thk×Ctr Hole)	Density	Grade	Max RPM	Qty/ Case
Roloc™ TR (Plastic Button) 					
7010365721	2" x 1/4"	2S	FIN	22,100	60
7010329346	3" x 1/4"	2S	FIN	15,100	40
7100086108	2" x 1/4"	4C	MED+	22,100	60
7100081368	2" x 1/8"	6C	MED+	22,100	120
7100255850	2" x 1/8" x NH	8C	MED+	22,100	60
7100081367	2" x 1/4"	6C	MED+	22,100	60
7010295274	3" x 1/4"	4C	MED+	15,100	40
7100081366	3" x 1/8"	6C	MED+	15,100	40
7100255897	3" x 1/8" x NH	8C	MED+	15,100	40
7100081365	3" x 1/4"	6C	MED+	15,100	40
7100255898	3" x 1/4" x NH	8C	MED+	15,100	4
7100109131	2" x 1/4"	8C	CRS+	18,100	60
7100109130	3" x 1/8"	8C	CRS+	15,100	40
7100109110	3" x 1/4"	8C	CRS+	15,100	40
7100290649	2" x 1/4" x NH	9C	XCRS+	15,100	60
7100291543	3" x 1/4" x NH	9C	XCRS+	15,100	40

Additional grades available.

Scotch-Brite™ Roloc™ Bristle Discs

- Efficiently cleans and strips many substances from metal surfaces, these fast-running discs combine superior cutting action with the 3M Roloc™ quick attachment system
- An operator can quickly and easily achieve a quality, consistent finish with light pressure



3M ID	Size (Inch)	Grade	Color	Max RPM	Min/Case
Roloc™ TR (Plastic Button) 					
7000000740	1"	50	Green	30,000	80
7100138319	1"	80	Yellow	30,000	80
7000000741	1"	120	White	30,000	20/80
7000000742	2"	50	Green	25,000	10/40
7000000743	2"	80	Yellow	25,000	10/40
7000000744	2"	120	White	25,000	10/40
7000000745	3"	50	Green	15,000	10/40
7100138320	3"	80	Yellow	15,000	10/40
7100138192	3"	120	White	15,000	10/40

Scotch-Brite™ Roloc™ Deburr and Finish PRO (cont)

3M ID	Size (Dia×Thk×Ctr Hole)	Density	Grade	Max RPM	Qty/ Case
Unitized Wheel					
7100143413	1" x 1" x 3/16"	2S	FIN	30,100	50
7100143403	2" x 1/4" x 1/4"	2S	FIN	16,100	60
7100143461	2" x 1/2" x 1/4"	2S	FIN	16,100	30
7100143462	2" x 3/4" x 1/4"	2S	FIN	16,100	20
7100143465	3" x 1/4" x 1/4"	2S	FIN	12,100	40
7100143467	3" x 1/2" x 1/4"	2S	FIN	10,000	20
7100143463	3" x 3/4" x 1/4"	2S	FIN	10,000	20
7100143466	3" x 1" x 1/4"	2S	FIN	10,000	10
7100143460	6" x 1/2" x 1"	2S	FIN	5,000	4
7100143476	6" x 1" x 1"	2S	FIN	5,000	2
7100083512	1" x 1" x 3/16"	6C	MED+	35,100	50
7100053413	2" x 1/8" x 1/4"	6C	MED+	22,100	60
7100053414	2" x 1/4" x 1/4"	6C	MED+	22,100	60
7100053415	2" x 1/2" x 1/4"	6C	MED+	22,100	30
7100053416	2" x 3/4" x 1/4"	6C	MED+	22,100	20
7100053417	2" x 1" x 1/4"	6C	MED+	22,100	10
7100053418	3" x 1/8" x 1/4"	6C	MED+	18,100	40
7010365693	3" x 1/4" x 1/4"	4C	MED+	18,100	40
7100053419	3" x 1/4" x 1/4"	6C	MED+	18,100	40
7010310029	3" x 1/2" x 1/4"	4C	MED+	15,100	20
7100053420	3" x 1/2" x 1/4"	6C	MED+	15,100	20
7100053421	3" x 3/4" x 1/4"	6C	MED+	15,100	20
7100053422	3" x 1" x 1/4"	6C	MED+	15,100	10
7010365692	4" x 1" x 1/4"	6C	MED+	12,100	5
7100110913	1" x 1" x 3/16"	8C	CRS+	35,100	50
7100110967	2" x 1/8" x 1/4"	8C	CRS+	22,100	60
7100110916	2" x 1/4" x 1/4"	8C	CRS+	22,100	60
7100111235	2" x 1/2" x 1/4"	8C	CRS+	22,100	30
7100105584	2" x 3/4" x 1/4"	8C	CRS+	22,100	20
7100105326	3" x 1/8" x 1/4"	8C	CRS+	18,100	40
7100105529	3" x 1/4" x 1/4"	8C	CRS+	18,100	40
7100105530	3" x 1/2" x 1/4"	8C	CRS+	18,100	20
7100110912	3" x 1/2" x 3/8"	8C	CRS+	18,100	20
7010329496	3" x 3/4" x 1/4"	8C	CRS+	15,100	20
7100110911	6" x 1/2" x 1"	8C	CRS+	7,500	4

Additional grades available.

3M™ Roloc™ Disc Packs

3M™ Roloc™ Bristle Disc Pack 983BS

- Contains a variety of grades of 3M™ Roloc™ Bristle Discs 3" diameter x 5/8" trim
- Includes a disc pad holder



3M ID	Size (Inch)	Min/Case
7000120925	3"	1/5

3M™ Power Tools: 3M™ Roloc™ Systems



Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power

Features of 2nd Generation 0.3 HP and 0.5 HP Disc Sanders

- 1** Ergonomic black jacket dampens vibration and insulates operator from temperature extremes
- 2** Ergonomic safety lever
- 3** 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions
- 4** 97° heavy-duty head design provides optimal work piece visibility and ergonomics
- 5** Larger gear sets, spindle bearings and new seals (for increased durability)
- 6** Direct backup pad/abrasive mount to tool creates less vibration and makes tool easier to control

3M™ Disc Sanders

- 3M™ Gripping Material for reduced vibration and a secure grip with less effort
- 97° head for decreased wrist strain
- Easy-handling, compact design for less vibration
- 3M™ Roloc™ Disc Pads can directly mount to sander without collet
- 1/4" collet included with all 2" and 3" disc sanders



3M ID	Model	Tool Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Airflow Rate SCFM (LPM)	Collet Size
7100075502	28341	2 (51)	0.3 (224)	20,000	81 (92)	1.1 (0.5)	6 (150)	3 (63)	1/4" NPT	17 (481)	1/4"
7100075503	28328	2-3 (51-76)	0.3 (224)	12,000	81 (92)	1.1 (0.5)	7 (172)	3 (64)	1/4" NPT	17 (481)	1/4"
7100075504	20231	2 (51)	0.5 (372)	20,000	89 (101)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	26 (736)	1/4"
7100075505	28329	2-3 (51-76)	0.5 (372)	12,000	89 (101)	1.3 (0.6)	7 (172)	3 (70)	1/4" NPT	26 (736)	1/4"
7100142325	20232	2-3 (51-76)	1 (744)	15,000	84 (95)	2.0 (0.9)	8 (210)	3 (83)	3/8" NPT	37 (1,048)	1/4"

3M™ Pistol Grip Disc Sander

- Lightweight, low cost alternative for customers who need a tool for spot duty or intermittent use
- Excellent balance and generates less noise and vibration than other disc sanders
- Durable composite body for ergonomic feel
- Dual mount feature allows user to switch between direct mount (for maximum control) and collet mount (for extended reach); 1/4" collet included



3M ID	Model	PSI	Tool Dia Inch (mm)	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Thread Size
7000045299	28547	90	3 (76)	Rotary	0.45 (336)	15,000	74 (85)	1.8 (0.8)	5 (122)	5 (136)	23 (651)	1/4-20 EXT

3M™ Pistol Grip Random Orbital Disc Sander

- Primarily intended for sanding in the automotive market
- Powerful, lightweight tool with excellent balance
- Durable composite body for ergonomic feel
- Pistol grip design allows you to sand in hard-to-reach areas with ease



3M ID	Model	PSI	Tool Dia Inch (mm)	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Thread Size
7000148163	28353*	90	3 (76)	1/8 (3)	0.45 (336)	15,000	75 (82)	1.8 (0.8)	5 (122)	5 (136)	22 (623)	5/16-24 EXT

*Replacement Pad PN20427

Accessories: 3M™ Roloc™ Systems

Product	3M ID	For Use With	Size/Description (Inch)	Max RPM	Qty/Case
3M™ Roloc™ TR Disc Pads 	7100003161	3M™ Roloc™ TR Discs 	1" Diameter; Medium; 1/4–20 INT	30,000	5
	7000045280		1-1/2" Diameter; Medium; 1/4–20 INT	30,000	5
	7000045286		1-1/2" Diameter; Hard; 1/4–20 INT	30,000	5
	7000045282		2" Diameter; Medium; 1/4–20 INT	25,000	5
	7000000441		2" Diameter; Hard; 1/4–20 INT	25,000	5
	7000045284		2" Diameter; Extra Hard; 1/4–20 INT	25,000	5
	7000000602		3" Diameter; Medium; 1/4–20 INT	18,000	5
	7100002305		3" Diameter; Hard; 1/4–20 INT	20,000	5
	7000045285		3" Diameter; Extra Hard; 1/4–20 INT	20,000	5
	7000045281		4" Diameter; Medium; 1/4–20 INT	12,000	5
	7000144108		4" Diameter; Hard; 3/8–24 INT	12,000	5
	7010362517		4" Diameter; Extra Hard; 3/8–24 INT	12,000	5
	7100007033		4" Diameter; Medium; 5/8–11 INT	12,000	5
	7100023495		4" Diameter; Hard; 5/8–11 INT	12,000	5
	7000119300		4" Diameter; Extra Hard; 5/8–11 INT	12,000	5
3M™ Roloc™ Cool Running Disc Pads 	7010362528	3M™ Roloc™ TR Discs 	2" Diameter; Medium; 1/4–20 INT	20,000	5
	7010362544		2" Diameter; Hard; 1/4–20 INT	20,000	5
	7010309116		3" Diameter; Medium; 1/4–20 INT	12,000	5
	7010308606		3" Diameter; Hard; 1/4–20 INT	12,000	5
	7000120499		4" Diameter; Hard; 3/8–24 INT	15,000	5
	7000144107		4" Diameter; Hard; 5/8–11 INT	15,000	5
3M™ Roloc™ TS or TSM Disc Pads 	7010308594	3M™ Roloc™ TSM Discs and "Screw on" Abrasive Discs 	1-1/2" Diameter; Medium; 1/4–20 INT	30,000	5
	7100132673		1-1/2" Diameter; Hard; 1/4–20 INT	30,000	5
	7000045283		2" Diameter; Medium; 1/4–20 INT	25,000	5
	7000119314		2" Diameter; Hard; 1/4–20 INT	25,000	5
	7000119310		3" Diameter; Medium; 1/4–20 INT	18,000	5
	7000119315		3" Diameter; Hard; 1/4–20 INT	20,000	5
	7010362527		4" Diameter; Hard; 5/8–11 INT	12,000	5
3M™ Roloc™ Shank 45102 	7000045770	3M™ Roloc™ Shank 45102, 1/4 in Shank	1/4-20 External	N/A	10/50
3M™ Vacuum Hose Anti-Static 	7010362547	Used to Connect Random Orbital and Orbital Sanders to a Vacuum System	1" ID x 4 ft Length, 1" EXT Hose Thread	N/A	1
3M™ Overhose Kit 	7010308603	0.3 HP Die Grinders	Kit Contains: Air Line Extension (PN 20209), Adapter (PN 20453), Over Hose Cloth Sleeve, Exhaust Spacer, Air Inlet Bushing, Instruction Sheet	N/A	1
Mini Sander					
3M™ Finesse-it™ Roloc™ Sanding Pads TR  02345 02511	7000000442	Roloc™ Disc Pad or with Tools Equipped with Roloc™ Attachment System	1-1/4" Diameter; Medium	10,000	20
	7000045730		1-1/4" Diameter; Firm	10,000	20

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.

Full Range Disc Options

	Backing	3M ID	Weight	Mineral	Grinding Aid or Stearate	Attachment			Grade																							
						Stikit™	Hookit™	PSA	24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000	
Most durable	Cloth	900DZ	J	PSG		•	•																									
		784F	YF	PSG		•	•																									
		341D	X	AO		•																										
	Film	775L	3 mil	PSG	✓	•	•																									
		375L	5/3 mil	AO	✓	•	•																									
		360L	3 mil	AO		•	•																									
	Paper	732U	C	PSG	✓	•	•																									
		426U	A	SC	✓	•	•																									
		236U	C	AO	✓	•	•																									
Least durable	Net	710W	Net	PSG		•																										
		310W	Net	PSG/AO		•																										

Backing	5" 3M ID	Product Description	Mineral	Attachment	Scotch-Brite™ Grade
Nonwoven	7100042004	3M™ Finesse-it™ Refining 3000	SC	Hookit™	3000
	7010300876	Scotch-Brite™ 7448 Pro	SC		Ultra Fine
	7000144154	Scotch-Brite™ Clean and Finish	SC		
	7100074464	Scotch-Brite™ 7447 Pro	AO		Very Fine
	7100231753	Scotch-Brite™ Production Clean and Finish	AO		
	7100141904	Scotch-Brite™ Cut and Polish	AO		Medium

Mineral

AO = Aluminum Oxide
PSG = Precision-Shaped Grain
SC = Silicon Carbide

Grade

▲ = 3M™ Cubitron™ 2 or Precision-Shaped Grain
A = ANSI (American National Standards Institute)
P = FEPA (Federation of the European Producers of Abrasives)

Product and grade availability subject to change. Visit 3M.com/Abrasives to confirm current product grade and form offering.

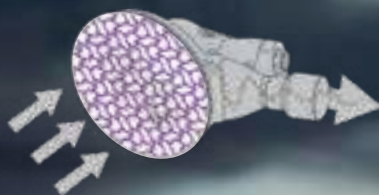


Xtract™

Clean Sanding Solutions

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.

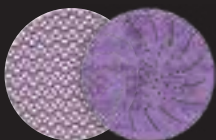


As you sand, any dust produced is easily pulled through the net backing, continuously extracting and collecting into the vacuum system.

TECH TIP:

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

3M Xtract™
Abrasive Disc

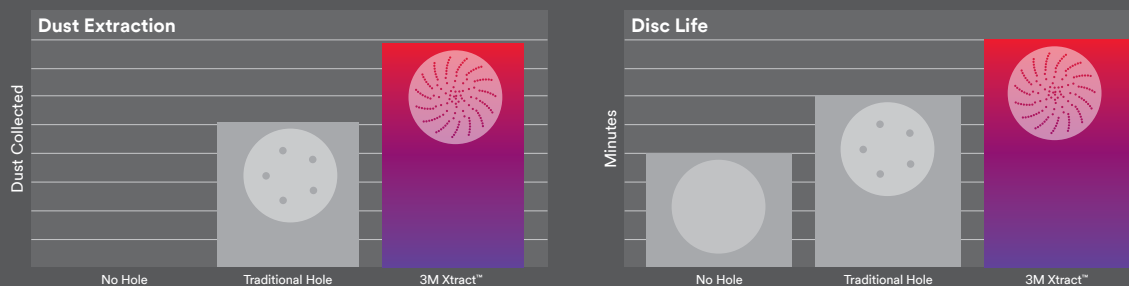


3M Xtract™
Back-up Pad



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™ Cubitron™ 2 Discs

3M™ Cubitron™ 2 Cloth Disc 900DZ

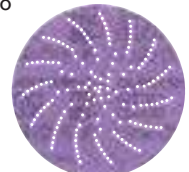
- Versatile disc handles applications from finishing and sanding to grinding and de-flashing
- Premium cloth backing made for toughness, wear resistance and flexibility
- The 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity and provide a cleaner work environment
- Disc performs well on aluminum, fiberglass, gelcoat, hard and soft woods



3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc			
7100284662	5"	40+	50/250
7100284216	5"	60+	50/250
7100284531	5"	80+	50/250
7100284520	5"	120+	50/250
7100284353	5"	150+	50/250
7100282219	5"	180+	50/250
7100281811	5"	220+	50/250
7100284268	5"	320+	50/250
7100284769	6"	40+	50/250
7100284218	6"	60+	50/250
7100284530	6"	80+	50/250
7100284508	6"	120+	50/250
7100284342	6"	150+	50/250
7100281804	6"	180+	50/250
7100281806	6"	220+	50/250
3M Hookit™ No Hole Disc			
7100284663	5"	40+	50/250
7100284212	5"	60+	50/250
7100284210	5"	80+	50/250
7100284525	5"	120+	50/250
7100284535	5"	150+	50/250
7100281808	5"	180+	50/250
7100281801	5"	220+	50/250
7100284512	5"	320+	50/250
7100284772	6"	40+	50/250
7100284214	6"	60+	50/250
7100284610	6"	80+	50/250
7100284566	6"	120+	50/250
7100284574	6"	150+	50/250
7100282301	6"	180+	50/250
7100281805	6"	220+	50/250
7100284609	6"	320+	50/250

3M™ 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

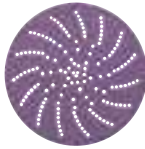


3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc			
7100045070	5"	80+	50/250
7100045071	5"	120+	50/250
7100064175	5"	150+	50/250
7100064177	5"	180+	50/250
7100064270	5"	220+	50/250
7100145362	5"	240+	50/250
7100145363	5"	320+	50/250
7100145404	5"	400+	50/250
7100045072	6"	80+	50/250
7100045073	6"	120+	50/250
7100064178	6"	180+	50/250
7100065918	6"	150+	50/250
7100064271	6"	220+	50/250
7100145316	6"	240+	50/250
7100141692	6"	320+	50/250
7100145455	6"	400+	50/250
3M Hookit™ No Hole Disc			
7100046325	5"	80+	50/250
7100046326	5"	120+	50/250
7100064176	5"	180+	50/250
7100064174	5"	150+	50/250
7100064179	5"	220+	50/250
7100145405	5"	320+	50/250
7100145436	5"	400+	50/250
7100046327	6"	80+	50/250
7100046328	6"	120+	50/250
7100064272	6"	180+	50/250
7100064273	6"	150+	50/250
7100064274	6"	220+	50/250
7100145407	6"	240+	50/250
7100145462	6"	320+	50/250
7100145469	6"	400+	50/250

Random Orbital Systems

3M™ 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
- Now available in grades 80+ to 1000+



3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc			
7100044448	5"	80+	50/250
7100044446	5"	120+	50/250
7100066675	5"	150+	50/250
7100066678	5"	180+	50/250
7100066701	5"	220+	50/250
7100335101	5"	240+*	50/250
7100334767	5"	320+*	50/250
7100334768	5"	400+*	50/250
7100335096	5"	500+*	50/250
7100334770	5"	600+*	50/250
7100334764	5"	800+*	50/250
7100334769	5"	1000+*	50/250
7100044445	6"	80+	50/250
7100044449	6"	120+	50/250
7100066676	6"	150+	50/250
7100066679	6"	180+	50/250
7100066702	6"	220+	50/250
7100334765	6"	240+*	50/250
7100335436	6"	320+*	50/250
7100335433	6"	400+*	50/250
7100335441	6"	500+*	50/250
7100335411	6"	600+*	50/250
7100335435	6"	800+*	50/250
7100335437	6"	1000+*	50/250
3M Hookit™ No Hole Disc			
7100044450	5"	80+	50/250
7100044785	5"	120+	50/250
7100066674	5"	150+	50/250
7100066677	5"	180+	50/250
7100066700	5"	220+	50/250
7100335449	5"	240+*	50/250
7100335456	5"	320+*	50/250
7100335450	5"	400+*	50/250
7100335451	5"	500+*	50/250
7100335440	5"	600+*	50/250
7100335458	5"	800+*	50/250
7100335454	5"	1000+*	50/250
7100044153	6"	80+	50/250
7100044452	6"	120+	50/250
7100067093	6"	150+	50/250
7100067094	6"	180+	50/250
7100075213	6"	220+	50/250
7100335386	6"	240+*	50/250
7100335531	6"	320+*	50/250
7100335388	6"	400+*	50/250
7100335487	6"	500+*	50/250
7100335485	6"	600+*	50/250
7100335387	6"	800+*	50/250
7100335389	6"	1000+*	50/250

* New grades from 240+ to 1000+.

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 Previous ID	3M Current ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc				
7100288128	7100249601	5"	80+	50/300
7100249591	7100288225	5"	120+	50/300
7100249592	7100288234	5"	150+	50/300
7100249590	7100288231	5"	180+	50/300
7100249594	7100288230	5"	220+	50/300
7100249599	7100288133	5"	240+	50/300
7100249600	7100288134	5"	320+	50/300
7100249502	7100288129	6"	80+	50/300
7100249503	7100288136	6"	120+	50/300
7100249508	7100288232	6"	150+	50/300
7100249506	7100288233	6"	180+	50/300
7100249505	7100288135	6"	220+	50/300
7100249510	7100288132	6"	240+	50/300
7100249509	7100288139	6"	320+	50/300

Scotch-Brite™ Discs

Scotch-Brite™ 7447 PRO Disc

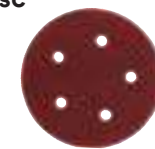
- Fast, consistent performance
- Helps reduce surface prep time on a variety of applications
- Paint and primer preparation on airplanes, cars, trucks and other motor vehicles
- Scuff sanding of sealer coatings on cabinetry and furniture
- Refine finishes on stainless steel, food processing, pharmaceutical and surgical equipment



3M ID	Size (Inch)	Grade	Color	Qty/Case
No Hole Disc				
7100074464	5"	A VFN	Maroon	100
7100048870	6"	A VFN	Maroon	100

Scotch-Brite™ Hookit™ 7447 PRO Disc

- Use for cleaning, scuffing, finishing, and light paint removal on a variety of metals and plastics
- Unique fiber coating capability assures a fast, consistent scratch
- Very fine grade aluminum oxide abrasive cleans and finishes efficiently



3M ID	Size (Inch)	Grade	Color	Qty/Case
Hookit™ Disc				
7010329874	5"	A VFN	Maroon	40
7010329332	5" x 5 HLS	A VFN	Maroon	40
7010300879	6"	A VFN	Maroon	40
7010292688	6" x 6 HLS	A VFN	Maroon	40

3M™ Cubitron™ 2 Discs with Stikit™ Attachment

3M™ Cubitron™ 2 Cloth Disc 900DZ

- Versatile disc handles applications from finishing and sanding to grinding and de-flashing
- Premium cloth backing made for toughness, wear resistance and flexibility
- Helps increase productivity and provide a cleaner work environment
- Disc performs well on aluminum, fiberglass, gelcoat, hard and soft woods



3M ID	Diameter	Grade	Qty/Case
3M Stikit™ 5 Hole Disc			
7100284661	5"	40+	50/250
7100284213	5"	60+	50/250
7100284542	5"	80+	50/250
7100284567	5"	120+	50/250
7100284515	5"	150+	50/250
7100282084	5"	180+	50/250
7100282511	5"	220+	50/250
7100284505	5"	320+	50/250
3M Stikit™ No Hole Disc			
7100284664	5"	40+	50/250
7100284215	5"	60+	50/250
7100284211	5"	80+	50/250
7100284513	5"	120+	50/250
7100284514	5"	150+	50/250
7100282085	5"	180+	50/250
7100282086	5"	220+	50/250
7100284516	5"	320+	50/250

3M™ Cubitron™ 2 Film Discs 775L

- Cuts Faster — Increased throughput with faster sanding and more parts per disc
- Lasts Longer — Lower costs with long disc life and fewer disc changes
- Consistent Finish — Minimal rework due to consistent finish quality
- Cuts up to 2x as fast and lasts up to 4x as long as conventional abrasives



3M ID	Size (Inch)	Grade	Qty/Case
3M Stikit™ No Hole Disc Roll			
7100045901	5"	80+	100/4
7100045902	5"	120+	125/4
7100067206	5"	150+	100/4
7100067208	5"	180+	100/4
7100075693	5"	220+	100/4
7100145429	5"	240+	100/4
7100145417	5"	320+	100/4
7100145435	5"	400+	100/4
7100046309	6"	80+	100/4
7100046320	6"	120+	125/4
7100067212	6"	150+	100/4
7100067211	6"	180+	100/4
7100067078	6"	220+	100/4
7100145428	6"	240+	100/4
7100145467	6"	320+	100/4
7100145454	6"	400+	100/4

3M™ Cubitron™ 2 Paper Disc Roll 732U

- Versatile disc handles applications ranging from finishing to coarse sanding, focused primarily on stock removal
- Helps increase productivity, and provide a cleaner work environment
- Suitable for use on aluminum, composites, wood, fiberglass, gelcoat, topcoats and paint
- Now available in grades 80+ to 1000+



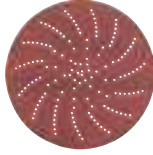
3M ID	Diameter (Inch)	Grade	Discs/Roll	Qty/Case
3M Stikit™ No Hole Disc Roll				
7100045903	5"	80+	100	4
7100045904	5"	120+	100	4
7100067207	5"	150+	100	4
7100067209	5"	180+	100	4
7100067210	5"	220+	100	4
7100334596	5"	240+	100	4
7100334597	5"	320+	100	4
7100334602	5"	400+	100	4
7100334603	5"	500+	100	4
7100334541	5"	600+	100	4
7100334598	5"	800+	100	4
7100334595	5"	1000+	100	4
7100045905	6"	80+	100	4
7100045340	6"	120+	100	4
7100067075	6"	150+	100	4
7100067076	6"	180+	100	4
7100067077	6"	220+	100	4
7100334593	6"	240+	100	4
7100334542	6"	320+	100	4
7100334605	6"	400+	100	4
7100334604	6"	500+	100	4
7100334599	6"	600+	100	4
7100334606	6"	800+	100	4
7100334600	6"	1000+	100	4
3M Stikit™ No Hole Lined Disc				
7100044453	5"	80+	50	5
7100044457	5"	120+	50	5
7100075679	5"	150+	50	5
7100075691	5"	180+	50	5
7100075694	5"	220+	50	5
7100044455	6"	80+	50	5
7100045074	6"	120+	50	5
7100075674	6"	150+	50	5
7100075675	6"	180+	50	5
7100075219	6"	220+	50	5

NH = No Hole

3M™ Discs with Hookit™ Attachment

3M™ Film Disc 375L

- Built to handle blending, coarse sanding, deflashing, finishing, general purpose sanding and surface finishing
- 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity, and provide a cleaner work environment
- Disc performs well on aluminum, steel, composite, fiberglass, gelcoat, hardwood, paint, plastic, primer, softwood and more



3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc			
7100305546	5"	P60	50/250
7100305554	5"	P80	50/250
7100305551	5"	P100	50/250
7100305552	5"	P120	50/250
7100305547	5"	P150	50/250
7100305553	5"	P180	50/250
7100305548	5"	P220	50/250
7100305559	5"	P240	50/250
7100305555	5"	P320	50/250
7100305560	5"	P400	50/250
7100305884	6"	P60	50/250
7100305240	6"	P80	50/250
7100305239	6"	P100	50/250
7100305241	6"	P120	50/250
7100305617	6"	P150	50/250
7100305242	6"	P180	50/250
7100305618	6"	P220	50/250
7100305619	6"	P240	50/250
7100305620	6"	P320	50/250
7100305623	6"	P400	50/250

3M Hookit™ No Hole Disc

7100305541	5"	P60	50/250
7100305426	5"	P80	50/250
7100305424	5"	P100	50/250
7100305427	5"	P120	50/250
7100305421	5"	P150	50/250
7100305422	5"	P180	50/250
7100305420	5"	P220	50/250
7100305425	5"	P320	50/250
7100305428	5"	P400	50/250
7010327198	5"	P500	50/250
7000045381	5"	P600	50/250
7000045382	5"	P800	50/250
7000045400	5"	P1000	50/250
7000045401	5"	P1200	50/250
7000045402	5"	P1500	50/250
7100305876	6"	P60	50/250
7100305550	6"	P80	50/250
7100305578	6"	P120	50/250
7100305621	6"	P180	50/250
7100305577	6"	P220	50/250
7100305238	6"	P240	50/250
7100305574	6"	P320	50/250
7100305616	6"	P400	50/250
7000045383	6"	P600	50/250
7000045384	6"	P800	50/250
7000045405	6"	P1000	50/250
7000045406	6"	P1200	50/250
7000045407	6"	P1500	50/250

3M™ Film Disc 360L

- Excels in finishing and sanding applications in automotive and marine industries
- Open coat construction and load-resistant coating prevent clogging
- 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity, and provide a cleaner work environment
- Disc performs well on clear coat, composite, fiberglass, gelcoat, hard composite, hardwood, paint, primer, topcoat and more



3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding			
7010029941	5"	P220	100/500
7010029936	5"	P240	100/500
7100028668	5"	P280	100/500
7010029942	5"	P320	100/500
7010029943	5"	P400	100/500
7010029937	5"	P500	100/500
7010029938	5"	P600	100/500
7010029939	5"	P800	100/500
7010029940	5"	P1000	100/500
7100077620	6"	P220	100/500
7100077621	6"	P240	100/500
7010029944	6"	P280	100/500
7100077622	6"	P320	100/500
7100077623	6"	P400	100/500
7100077624	6"	P500	100/500
7100077625	6"	P600	100/500
7100077626	6"	P800	100/500
7100077975	6"	P1000	100/500

3M Xtract™ Net Disc 310W

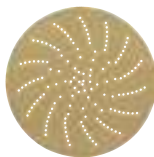
- Creates a cleaner, virtually dust-free work environment
- The unique abrasive pattern on a net backing allows for extracts up to 99% of dust produced
- 3M Precision-Shaped Grain mixed with premium aluminum oxide abrasive for a fast cut and long life
- The disc cuts with less pressure required by the operator
- Makes for more comfortable sanding



3M Previous ID	3M Current ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding				
7100247534	7100288224	5"	80+	50/500
7100247101	7100288241	5"	120+	50/500
7100247528	7100288130	5"	150+	50/500
7100247523	7100288316	5"	180+	50/500
7100247526	7100288314	5"	220+	50/500
7100247573	7100288226	5"	240+	50/500
7100247522	7100288236	5"	320+	50/500
7100252419	7100288228	6"	80+	50/500
7100252417	7100288237	6"	120+	50/500
7100247529	7100288131	6"	150+	50/500
7100247524	7100288227	6"	180+	50/500
7100247525	7100288317	6"	220+	50/500
7100247532	7100288235	6"	240+	50/500
7100247533	7100288127	6"	320+	50/500

3M™ Paper Disc 236U

- Covers a wide range of applications, including finishing, sanding, surface preparation and grinding
- 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, carbon steel, composites, wood, fiberglass, gelcoat, paint and glass



3M ID	Size (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc			
7010029926	5"	P80	50/250
7010029927	5"	P100	50/250
7010029928	5"	P120	50/250
7010029929	5"	P150	50/250
7010029931	5"	P220	50/250
7010029932	5"	P240	50/250
7010029933	5"	P320	50/250
7010029934	5"	P400	50/250
7010029935	5"	P500	50/250
7100078153	6"	P100	50/250
7100078154	6"	P120	50/250
7100078155	6"	P150	50/250
7100078156	6"	P180	50/250
7100078157	6"	P220	50/250
7100078158	6"	P240	50/250
7100078159	6"	P320	50/250
7100078181	6"	P500	50/250
3M Hookit™ No Hole Disc			
7100010695	5"	P80	50/250
7100010694	5"	P100	50/250
7100010692	5"	P120	50/250
7100010691	5"	P150	50/250
7100010690	5"	P180	50/250
7100010688	5"	P220	50/250
7100010687	5"	P240	50/250
7100010665	5"	P320	50/250
7100010666	5"	P400	50/250
7100010641	5"	P500	50/250
7000119579	6"	P80	50/250
7000119580	6"	P100	50/250
7000119581	6"	P120	50/250
7000119582	6"	P150	50/250
7000119583	6"	P180	50/250
7000119584	6"	P220	50/250
7000119585	6"	P240	50/250
7000119586	6"	P320	50/250
7000119587	6"	P400	50/250
7000119618	6"	P500	50/250



3M™ Discs with Stikit™ Attachment

3M™ Stikit™ Film Disc Roll 375L

- Built to handle blending, coarse sanding, deflashing, finishing, general purpose sanding and surface finishing
- 3M Xtract™ proprietary multi-hole pattern provides superior dust extraction to prevent loading
- Helps increase productivity, and provide a cleaner work environment
- Disc performs well on aluminum, steel, composite, fiberglass, gelcoat, hardwood, paint, plastic, primer, softwood and more



3M ID	Diameter (Inch)	Grade	Qty/Case
3M Xtract™ Clean Sanding Disc Roll			
7100305758	5"	P80	100/4
7100305760	5"	P100	100/4
7100305873	5"	P180	100/4
7100305880	5"	P320	100/4
7100305763	6"	P80	100/4
7100305762	6"	P100	100/4
7100305759	6"	P120	100/4
7100305764	6"	P150	100/4
7100305877	6"	P180	100/4
7100305882	6"	P220	100/4
7100305883	6"	P240	100/4
7100305878	6"	P320	100/4
7100305879	6"	P400	100/4

3M™ Stikit™ Disc Roll 426U

- Silicon carbide abrasive on a flexible A weight paper backing
- Features a load resistant coating
- Delivers good cut and excellent finish



3M ID	Diameter (Inch)	Grade	Discs/Roll	Qty/Case
3M Stikit™ No Hole Disc Roll				
7000119234	5"	80	125	10
7000119235	5"	100	125	10
7000119236	5"	120	125	10
7000144098	5"	150	175	6
7000119237	5"	180	175	6
7000119238	5"	220	175	6
7100132652	5"	240	175	6
7000119239	5"	280	175	6
7000119240	5"	320	175	6
7000144099	5"	400	175	6
7000119241	6"	80	125	10
7000119242	6"	100	125	10
7000119243	6"	120	125	10
7000119244	6"	150	175	6
7000119245	6"	180	175	6
7000119246	6"	220	175	6
7000119247	6"	240	175	6
7000119248	6"	320	175	6

NH = No Hole

3M™ Stikit™ Disc Roll 236U

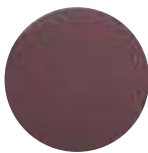
- Covers a wide range of applications, including finishing, sanding, surface preparation and grinding
- Helps increase productivity, and provide a cleaner work environment
- Suitable for use on aluminum, carbon steel, composites, wood, fiberglass, gelcoat, paint and glass



3M ID	Diameter (Inch)	Grade	Discs/Roll	Qty/Case
3M Stikit™ No Hole Disc Roll				
7000119535	5"	P80	100	4
7000119536	5"	P100	100	4
7100031875	5"	P120	100	4
7000119538	5"	P150	100	4
7000028228	5"	P180	100	4
7000119539	5"	P220	100	4
7000028229	5"	P240	100	4
7000028230	5"	P320	100	4
7000028231	5"	P400	100	4
7000119540	5"	P500	100	4
7000119551	6"	P80	100	4
7000119552	6"	P100	100	4
7000119553	6"	P120	100	4
7000119554	6"	P150	100	4
7000119555	6"	P180	100	4
7000119556	6"	P220	100	4
7000119557	6"	P240	100	4
7000119558	6"	P320	100	4
7000119559	6"	P400	100	4
7000119560	6"	P500	100	4

3M™ Cloth Disc 348D

- Aluminum oxide on an X weight cloth backing
- Heavy-duty, cloth-backed discs for more aggressive applications
- Provides excellent adhesion while removing easily



3M ID	Diameter (Inch)	Grade	Qty/Case
7100053622	5"	36	50/250
7000118907	5"	40	50/250
7010294666	5"	50	50/250
7000118905	5"	60	50/250
7100053536	5"	80	50/250
7000148148	5"	P100	50/250
7100029967	5"	P120	50/250
7010326502	5"	P150	50/250
7100045948	5"	P180	50/250
7100053537	5"	P240	50/250
7000148149	6"	36	50/250
7000118906	6"	40	50/250
7010360710	6"	50	50/250
7000118904	6"	60	50/250
7000118902	6"	80	50/250
7010326520	6"	P100	50/250
7010361778	6"	P120	50/250

3M**Xtract™**

Clean Sanding Solutions

Designed for easier work.

3M Xtract™ Tools and Accessories

3M Xtract™ Clean Sanding Solutions is your one-stop shop for all your sanding application needs. From various clean sanding discs to random orbital sanders and portable dust extraction units, we have everything you need to help boost productivity and part quality in your operation.



Introducing a new line of tools and accessories designed for ease of use and optimal dust extraction, so that you don't have to compromise high performance for dust management.

Clean Sanding

Extracts up to 99% of sanding dust.

Paired for Precision

Optimized for use with discs containing 3M Precision-Shaped Grain.

Premium Performance

Helps boost productivity and part quality.

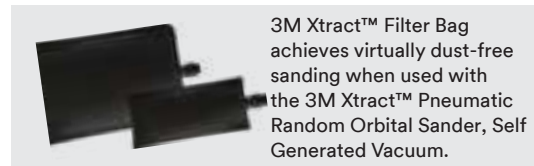
3M™ Power Tools: Random Orbital Systems

3M Xtract™ Pneumatic Random Orbital Sander

Upgrades from Original Series:

Improved durability, ergonomics and noise level

1. Aluminum housing for added durability and reduced vibrations
2. **Recessed Lever** eliminates pinch points
3. Tool body covered with **3M™ Gripping Material** allows better control with reduced effort, insulates from cold and reduces vibrations
4. **Safer Thumb Wheel** mounted speed control reduces inadvertent speed changes
5. Wider port for **more efficient dust capture**
6. **Internal Easy Change Muffler** provides longer motor life and improved speed stability
7. **Composite lever and Integrated Wrist Support** for comfort and leverage
8. Clearance for large inlet coupler
9. Improved **Self Generated Vacuum** for more efficient dust extraction



3M Xtract™ Filter Bag achieves virtually dust-free sanding when used with the 3M Xtract™ Pneumatic Random Orbital Sander, Self Generated Vacuum.

Highlighted Text = Proprietary 3M design feature

3M Xtract™ Electric Random Orbital Sander

Improved durability, ergonomics and noise level

1. **Lightweight design** for comfortable sanding
2. **Recessed Lever** eliminates pinch points
3. **Soft touch grip** with molded-in grip features
4. **LED indicator for visual confirmation of power and speed setting**
5. **15.4 ft (4.7 m) cord length** matched to the hose length of the 3M Xtract™ Portable Dust Extractor
6. **Brushless motor** with integral internal cooling for improved efficiency
7. **Composite lever and Integrated Wrist Support** for comfort and leverage
8. Smooth running and **quiet operation**



3M™ Pneumatic Random Orbital Sander

3M Xtract™ Pneumatic Random Orbital Sander

Non-Vacuum



Max RPM:	12,000
Motor HP:	0.28
Airflow Rate:	17 SCFM (481 LPM)
Weight:	1.8 lb (0.8 kg)
Height:	4 in (91 mm)
MOQ:	1

Part No.	Tool Dia. in (mm)	Orbit Dia. in (mm)	Noise Level dBA (power)	Length in (mm)	Pad Incl.	3M ID
88936	5 (127)	3/32 (2.5)	73 (84)	7 (172)	20352	7100258879
88937	5 (127)	3/16 (5)	73 (84)	7 (172)	20352	7100258878
88939	5 (127)	5/16 (8)	73 (84)	7 (172)	20352	7100258882
88940	5 (127)	3/8 (10)	73 (84)	7 (172)	20352	7100258883
88949	6 (152)	3/32 (2.5)	73 (84)	7 (187)	20355	7100258787
88950	6 (152)	3/16 (5)	73 (84)	7 (187)	20355	7100258652
88951	6 (152)	5/16 (8)	73 (84)	7 (187)	20355	7100258651

3M Xtract™ Random Orbital Sanders

3M Xtract™ Electric Random Orbital Sander

Central Vacuum



Max RPM:	10,000
Motor HP:	0.28
Weight:	3 lb (1.3 kg)
Height:	4.1 in (105 mm)
MOQ:	1

Part No.	Tool Dia. in (mm)	Orbit Dia. in (mm)	Noise Level dBA (power)	Length in (mm)	Pad Incl.	3M ID
88758	5 (127)	3/16 (5)	64.9 (75.9)	9.8 (250)	89052	7100254306
88762	5 (127)	3/32 (2.5)	65.8 (76.8)	9.8 (250)	89052	7100254310
88760	6 (152)	3/16 (5)	75.3 (86.3)	10.3 (262)	89053	7100253819
88764	6 (152)	3/32 (2.5)	65.5 (76.5)	10.3 (262)	89053	7100254313

3M Xtract™ Pneumatic Random Orbital Sander

Central Vacuum



Max RPM:	12,000
Motor HP:	0.28
Airflow Rate:	17 SCFM (481 LPM)
Weight:	1.9 lb (.9 kg)
Height:	4 in (91 mm)
MOQ:	1

Part No.	Tool Dia. in (mm)	Orbit Dia. in (mm)	Noise Level dBA (power)	Length in (mm)	Pad Incl.	3M ID
88941	5 (127)	3/32 (2.5)	73 (84)	7 (172)	20353	7100258884
88942	5 (127)	3/16 (5)	73 (84)	7 (172)	20353	7100258886
88943	5 (127)	5/16 (8)	73 (84)	7 (172)	20353	7100258885
88944	5 (127)	3/8 (10)	73 (84)	7 (172)	20353	7100258887
88953	6 (152)	3/32 (2.5)	73 (84)	7 (187)	20356	7100259232
88954	6 (152)	3/16 (5)	73 (84)	7 (187)	20356	7100258801
88955	6 (152)	5/16 (8)	73 (84)	7 (187)	20356	7100258707
88956	6 (152)	3/8 (10)	73 (84)	7 (187)	20356	7100258799

3M Xtract™ Pneumatic Random Orbital Sander

Self-Generated Vacuum



Max RPM:	12,000
Motor HP:	0.28
Airflow Rate:	17 SCFM (481 LPM)
Weight:	1.9 lb (.9 kg)
Height:	4 in (91 mm)
MOQ:	1

Part No.	Tool Dia. in (mm)	Orbit Dia. in (mm)	Noise Level dBA (power)	Length in (mm)	Pad Incl.	3M ID
88945	5 (127)	3/32 (2.5)	73 (84)	7 (172)	20353	7100264073
88946	5 (127)	3/16 (5)	73 (84)	7 (172)	20353	7100264068
88947	5 (127)	5/16 (8)	73 (84)	7 (172)	20353	7100264239
88948	5 (127)	3/8 (10)	73 (84)	7 (172)	20353	7100302916
88957	6 (152)	3/32 (2.5)	73 (84)	7 (187)	20356	7100264077
88958	6 (152)	3/16 (5)	73 (84)	7 (187)	20356	7100264079
88959	6 (152)	5/16 (8)	73 (84)	7 (187)	20356	7100264078
88960	6 (152)	3/8 (10)	73 (84)	7 (187)	20356	7100264070

3M Random Orbital Sanders Accessories

3M Xtract™ Pneumatic Random Orbital Sander Accessories

	Part No.: 28730 3M ID: 7010362547 Desc.: Black, Anti-Static Inner Dia.: 1" Length: 4' Thread: 1" EXT MOQ: 1		Part No.: 28301 3M ID: 7000045247 Desc.: Red Inner Dia.: 1" Length: 6' Thread: 1" EXT MOQ: 1		Part No.: 28393 3M ID: 7000045271 Desc.: Red Inner Dia.: 1" Length: 60' Thread: 1" EXT MOQ: 1
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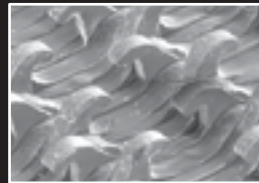
3M Xtract™ Hose Sleeve

	Part No.: 89419 3M ID: 7100277474 Length: 14' 9" Desc.: To combine the hose and cable Fabric: Plastic mesh MOQ: 1
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3M™ Disc Pad Hook Types

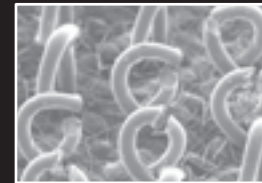
Hook Type 1

3M™ Hookit™ Small Molded J Hook



Hook Type 2

3M™ Hookit™ Tall J Hook



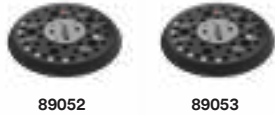
3M Vacuum Hose Adaptors

	Part No.	Description	End 1	End 2	3M ID	MOQ
	30442	Used to attach a 1" (25.4 mm) ID hose to another 1" (25.4 mm) ID hose to create a longer vacuum hose.	1" INT Thread	1" INT Thread	7000119372	1
	20340	Used to attach a 1" (25.4 mm) ID hose to a 1-1/4" (31.75 mm) ID hose.	1" INT Thread	1-1/4" INT Thread	7000045004	1
	28304	Used to attach a 1" (25.4 mm) ID hose to a 1" (25.4 mm) ID hose.	1" EXT Thread	1" Push-On	7000045250	1
	30324	Used to attach a 1" (25.4 mm) ID hose to a 3/4" (19 mm) ID hose.	1" INT Thread	3/4" Push-On	7000045309	1
	20341	Used to attach a 1" (25.4 mm) ID hose thread to 1-1/2" (38.1 mm) OD hose.	1" INT Thread	1-1/2" Push-On	7000045005	1
	30441	Used to attach a 1" (25.4 mm) OD hose to a 1-1/4" (31.75 mm) OD hose.	1" Push-On	1-1/4" Push-On	7000045312	1
	30440	Used to attach a 1" (25.4 mm) OD hose to a 1-1/2" (38.1 mm) OD hose.	1" Push-On	1-1/2" Push-On	7000045311	1
	30439	Used to attach a 1" (25.4 mm) OD hose to a 2" (50.8 mm) OD hose.	1" Push-On	2" Push-On	7000045310	1

3M Random Orbital Sanders Accessories (continued)

3M Xtract™ Back Up Pads

Low Profile Disc Pads (Extra Hard, Hook Type 2)



89052

89053

Part No.	Dia	Center Hole Dia.	# of Holes	Thread Size	Max RPM	Max OPM	3M ID	MOQ
89052	5"	—	44	5/16–24 EXT	12,000	12,000	7100273845	10
89053	6"	—	52	5/16–24 EXT	12,000	12,000	7100273863	10

Low Profile Disc Pads (Hard, Hook Type 2)



89410

89409

Part No.	Dia	Center Hole Dia.	# of Holes	Thread Size	Max RPM	Max OPM	3M ID	MOQ
89410	5"	—	44	5/16–24 EXT	12,000	12,000	7100273463	10
89409	6"	—	52	5/16–24 EXT	12,000	12,000	7100270476	10

Low Profile Disc Pads (Firm, Hook Type 2)



20353

20356

20465

Part No.	Dia	Center Hole Dia.	# of Holes	Thread Size	Max RPM	Max OPM	3M ID	MOQ
20353	5"	—	44	5/16–24 EXT	12,000	12,000	7100037832	10
20356	6"	—	52	5/16–24 EXT	12,000	12,000	7100005499	10
20465	6"	3/4"	49	5/16–24 EXT	12,000	12,000	7100022038	10

Standard Profile Disc Pads (Medium, Hook Type 1)



89925

Part No.	Dia	Center Hole Dia.	# of Holes	Thread Size	Max RPM	Max OPM	3M ID	MOQ
89925	5"	3/4"	31	5/16–24 EXT	12,000	12,000	7100289552	10

Low Profile Finishing Disc Pads (Soft, Hook Type 1)

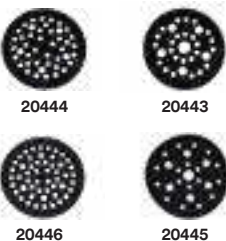


20290

20425

Part No.	Dia	Center Hole Dia.	# of Holes	Thread Size	Max RPM	Max OPM	3M ID	MOQ
20290	5"	—	44	5/16–24 EXT	12,000	12,000	7100009657	10
20425	6"	5/8"	52	5/16–24 EXT	12,000	12,000	7000118613	10

3M Hook Savers (Black, Hook Type 2)



20444

20443

20446

20445

Part No.	Dia	Center Hole Dia.	# of Holes	Use With	Max RPM	Max OPM	3M ID	MOQ
20444	5"	—	44	20353	12,000	12,000	7000045012	20
20443	5"	3/4"	31	89925	12,000	12,000	7000045011	20
20446	6"	—	52	20356	12,000	12,000	7000042703	20
20445	6"	3/4"	25	05865	12,000	12,000	7000118615	20

3M Xtract™ Pneumatic Random Orbital Sander —Self Generated Vacuum Accessories

3M Xtract™ Filter Bags



Part No.: 89137
3M ID: 7100263231
Description: HEPA-rated. For direct attachment to the SGV ROS using the 20453 adaptor and A0778 hose seal.
Size: Large
Capacity: Holds up to 0.5 lb
MOQ: 50



Part No.: 89139
3M ID: 7100263030
Description: HEPA-rated. For use with Backpack Assembly 28364 which holds and protects the Filter Bag.
Size: Extra-Large
Capacity: Holds up to 3 lb
MOQ: 20

3M Filter Bag Adaptors



28365



28383



20453



A0778

Part No.	Description	3M ID	MOQ
28365	For use with XL Filter Bag 28364. Use as a backpack or hip pack. Backpack contains: 3M™ Hose 28301, 3M Xtract™ Filter Bag Extra Large 28364.	7000028217	1
28383	Optional cap used to seal the filter bag e.g. to seal full bag to move for disposal or to store part used filter bag.	7000042706	1
20453	For attachment of L Filter Bag 20452 to ROS SGV via Hose Seal A0778.	7000000361	10
A0778	For direct attachment of adaptor 20453 to ROS SGV.	7000118731	1

Self-Generated and Central Vacuum System Assembly

How to Assemble Self-Generated and Central Vacuum Sanding Systems

Self-Generated Vacuum System



Self-Generated Vacuum Exhaust



Hose Seal (PNA0778)



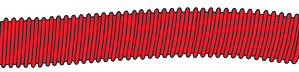
Filter Bag Adapter (PN20453)



Lg Filter Bag (PN89137)



Self-Generated Vacuum Exhaust



3M Vacuum Hose



XL Filter Bag (PN89139)

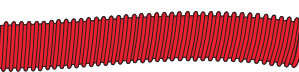


Backpack Assembly (PN28365)

Non-3M Central Vacuum System



Self-Generated Vacuum Exhaust



3M Vacuum Hose



Vacuum Hose Adapter

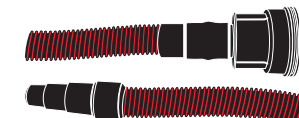


Central Vacuum System

3M Xtract™ Portable Dust Extractor System



Central Vacuum Exhaust

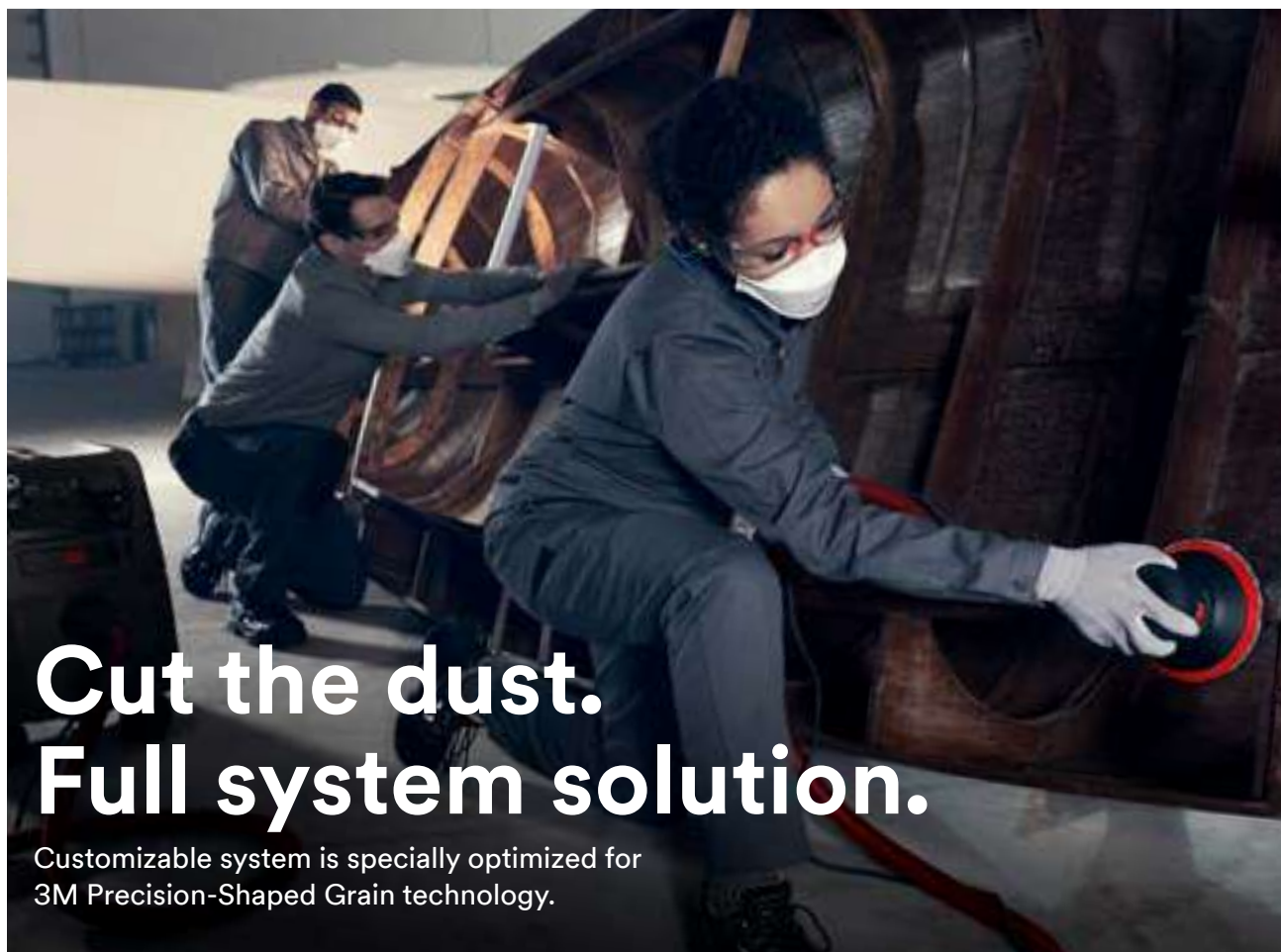


3M Xtract™ Portable Dust Extractor Hose



Portable Dust Extractor

3M Xtract™ Portable Dust Extractor System



Cut the dust. Full system solution.

Customizable system is specially optimized for 3M Precision-Shaped Grain technology.

3M Xtract™ Portable Dust Extractor



Part No.: 64256
3M ID: 7100260425
Weight: 43.2 lb (19.6 kg)
Length: 21 in (53 cm)
Width: 16 in (40 cm)
Height: 22 in (56 cm)
MOQ: 1

3M Portable Dust Extractor Accessories

3M Filter Cartridges and Bags

	Part No.	Product Name	Description	3M ID	MOQ
	95151	3M™ Filter Cartridge Class M	Filter efficiency: 99.995%	7100304713	1 pair
	95259	3M™ Filter Cartridge Class H	Filter efficiency: 99.9%	7100304714	1 pair
	95953	3M™ Fleece Bag	Capacity: 2.2–4.4 lb (1 - 2 kg)	7100305186	5
	95981	3M™ Poly Bag	Capacity: 22–26.5 lb (10 - 12 kg)	7100304715	5

3M Hoses and Adaptors

	Part No.	Product Name	Description	3M ID	MOQ
	95291	3M™ Hose 27 mm / 4 m Conductive	Anti-static hose with connectors to PDE and tapered adaptor 97071.	7100276596	1
	95654	3M™ Y Hose Adaptor	Plastic Y-double connector, with bayonet for connecting 2 suction hoses regardless of hose diameter, for the same work independently.	7100276384	1
	97071	3M™ Connective Sleeve	Rubber tapered adaptor with multi-diameter connector to enable connection to variety of power tools. Electrically conductive.	7100276614	5

3M Cleaning Accessories

	Part No.	Product Name	Description	3M ID	MOQ
	96043	3M™ Floor Nozzle 30	Plastic floor nozzle with brushes and rollers.	7100276597	1
	96359	3M™ Telescopic Pipe	Telescopic stainless steel tube, extendable from 22 7/16–37 13/32 in (57–95 cm) and click-in lock.	7100276397	1
	96418	3M™ Nozzle Adaptor 22	Nozzle for small areas made from plastic.	7100276395	1
	96457	3M™ Brush Adaptor	Suction cleaning brush made from plastic with bristles.	7100276396	1

3M Attachments

	Part No.	Product Name	Description	3M ID	MOQ
	96772	3M™ Adaptor Plate	For stable fixing of storage boxes on top of the unit.	7100276613	1
	96804	3M™ Push Handle	For comfortable steering of the PDE. Aids hose management.	7100276612	1

3M™ Power Tools: Random Orbital Systems

3M™ Finesse-it™ Pneumatic Orbital Sander

- Small, easy-to-use pneumatic orbital sander for the sanding step when repairing small defects on paint and clearcoat surfaces
- Lightweight design allows for sanding in hard-to-reach places
- For best results, use in conjunction with our 3M™ Finesse-it™ abrasives
- Excellent option for complete 3M paint repair systems



3M ID	Model	PSI	Tool Dia Inch (mm)	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Thread Size
7100307282	65993	90	1.25 (31.8)	1/8 (3.175)	0.48 (358)	8,000	1/8 (3.175)	1.33 (0.6)	7.63 (194)	4.02 (102)	22 (623)	1/4 in - 18 in NPT

3M™ Mini-Random Orbital Sander

- Ergonomically designed for operator comfort and control
- Low profile design reduces chance of tipping and undercutting
- Direct mount 3M™ Roloc™ Sanding Pad allows close proximity to the work surface
- 3M™ Roloc™ 02345 w/Stikit™ Face pad included



3M ID	Model	PSI	Tool Dia Inch (mm)	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)
7000045060	20244	90	1-1/4 × 3/16	3/16 (5)	0.24 (179)	8,000	73 (80)	1.0 (0.5)	5 (120)	3 (85)	15 (425)



28337/28335

3M™ Random Orbital Sander, 2-Hand

3M ID	Model	Vacuum	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Pad Included
7000119293	28337	Central/Non-Vac	6 (150)	0.45 (336)	12,000	81 (89)	2.90 (1.32)	12.93 (328.3)	4.43 (112.6)	21 (594)	Hookit™ 20356*
7100138198	28335	Self-Gen Vac	6 (150)	0.45 (336)	12,000	91 (94)	2.90 (1.32)	12.93 (328.3)	4.43 (112.6)	21 (594)	Hookit™ 20356*

*For 5" sanding using the 2-Hand Sander, use the 5" 3M™ Hookit™ D/F Disc Pad 28411

3M™ Power Tools: Random Orbital Systems



3M™ Non-Vacuum Random Orbital Sanders

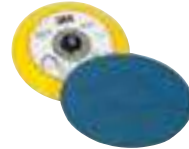
- Powerful and popular non-vacuum tools meet or exceed highest performance standards

20317

20324/20325

3M ID	Model	Tool Dia Inch (mm)	Orbit Dia Inch (mm)	Motor HP (W)	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Airflow Rate SCFM (LPM)	Pad Included
7000148141	20317	5 (127)	3/16 (5)	0.28 (209)	12,000	80 (88)	1.65 (.75)	6.12 (155.4)	3.33 (84.5)	17 (481)	Hookit™ 20351
7000118605	20324	6 (150)	5/16 (8)	0.28 (209)	12,000	75 (85)	1.78 (.81)	6.47 (164.4)	3.33 (84.5)	17 (481)	Hookit™ 20354
7000148143	20325	6 (150)	3/16 (5)	0.28 (209)	12,000	79 (83)	1.74 (.79)	6.47 (164.4)	3.33 (84.5)	17 (481)	Hookit™ 20354

Accessories: Random Orbital Systems

Product	3M ID	For Use With	Size/Description	Max RPM	Max OPM	Qty/Case
3M™ Hook and Loop Disc Pad Holder 905 	7000046036	Scotch-Brite™ Surface Conditioning Discs	5" x 5/16-24 EXT	10,000	N/A	1
3M™ Hookit™ Disc Pad 	7100041340	3M™ Hookit™ Discs and Scotch-Brite™ Coating Removal Discs	6" x 3/4" x 5/16-24 EXT	12,000	12,000	10
3M™ Hookit™ Low Profile Disc Pad 	7000045006	3M™ Hookit™ Discs and Scotch-Brite™ RO Discs	5" x 3/8" x 5/16-24 EXT; Low Profile	12,000	12,000	10
	7000045007	3M™ Hookit™ Discs and Scotch-Brite™ RO Discs	6" x 3/8" x 5/16-24 EXT; Low Profile	12,000	12,000	10
	7010361171	Scotch-Brite™ 7447 PRO Discs	5" x 3/8" x 5/16-24	12,000	12,000	10
3M™ Stikit™ Disc Pads 	7100032986	3M™ Stikit™ Discs	5" x 11/16" 5/16-24 EXT; Low Profile Finishing	12,000	12,000	10
	7100029070	3M™ Stikit™ Discs	6" x 11/16" 5/16-24 EXT; Low Profile Finishing	10,000	12,000	10
	7000010483	3M™ Stikit™ Discs	5" x 3/4" x 5/16-24	10,000	12,000	10
	7100065802	3M™ Stikit™ Discs	6" x 3/4" x 5/16-24	10,000	12,000	10
	7000118611	3M™ Stikit™ Discs	5" x 3/8" x 5/16-24 EXT; Red Foam; Low Profile	12,000	12,000	10
	7000118612	3M™ Stikit™ Discs	6" x 3/8" x 5/16-24 EXT; Red Foam; Low Profile	12,000	12,000	10
Scotch Brite™ Hookit™ Conversion Face 	7010298968	Facilitate connection of Scotch-Brite™ nonwoven discs (sold separately) to Hookit™ Back-Up Pads	3"	1,5000	1,5000	5
	7010361138	Facilitate connection of Scotch-Brite™ nonwoven discs (sold separately) to Hookit™ Back-Up Pads	5"	12,000	12,000	5
	7100135698	Facilitate connection of Scotch-Brite™ nonwoven discs (sold separately) to Hookit™ Back-Up Pads	6"	12,000	12,000	5
	7010361139	Facilitate connection of Scotch-Brite™ nonwoven discs (sold separately) to Hookit™ Back-Up Pads	8"	10,000	10,000	5
	7010326868	Facilitate connection of Scotch-Brite™ nonwoven discs (sold separately) to Hookit™ Back-Up Pads	3" x 4"	10,000	10,000	5



► Abrasive Belt Systems

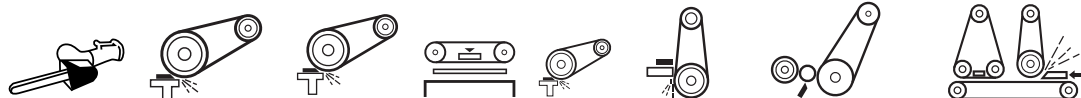
3M™ Belts

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



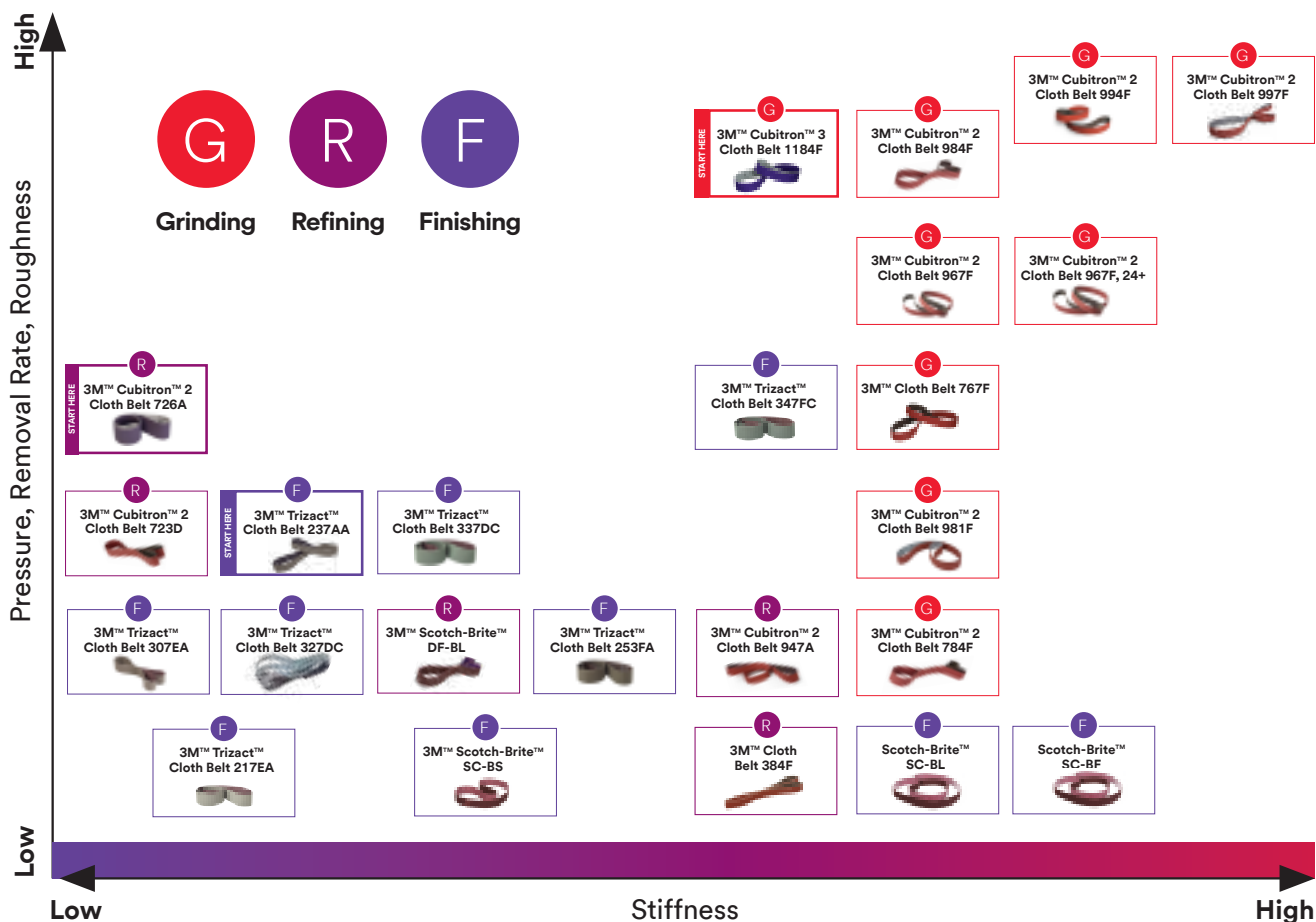
Recommended Starting Point	Portable File Belt	Coarse Grade High Pressure Grinding	Backstand/Off Hand Low-Med Pressure	Stroke Sander	Bench Top Belt Sander	Slack of Belt Sander	Centerless and Roll Grinding		Flat and Wide Belt Finishing	
							Dry	Wet	Dry	Wet
Carbon Steel and Cast Iron										
Recommended	784F	1184F/984F	1184F/984F	767F	784F	726A	784F	1184F/984F	784F	767F
Alternative	767F	996F	784F	784F	767F	947A	384F	784F	767F	384F
Finishing/Polishing	726A 237AA	—	726A 237AA	237AA —	726A 237AA	327DC 217EA	347FC —	363FC 464W	461F 237AA	461F 253FA
Stainless Steel and Cobalt Chrome										
Recommended	784F	1184F/984F	784F	784F	784F	726A	784F	1184F/984F	784F	767F
Alternative	947A	997F	1184F/984F	947A	767F	947A	384F	784F	767F	384F
Finishing/Polishing	237AA —	—	947A 237AA	237AA —	237AA 337DC	327DC 217EA	347FC —	363FC 464W	461F 237AA	461F/464W 253FA
Aluminum and Soft Substrates										
Recommended	981F	1184F/984F	981F	981F	981F	726A	784F	784F	384F	384F
Alternative	784F	767F	784F	784F	784F/767F	947A	384F	384F	767F	767F
Finishing/Polishing	384F —	784F —	384F —	384F 767F/384F	384F 767F/384F	384F 217EA	237AA —	253FA —	461F —	461F —
Titanium										
Recommended	784F	1184F/984F	1184F/984F	—	784F	726A	967F	966F	967F	966F
Alternative	967F	967F	967F	—	967F	947A	N/A	784F	N/A	767F
Finishing/Polishing	947A 237AA/461F	—	461F 237AA	—	237AA —	217EA 461F	N/A N/A	461F/464W 463FC	N/A N/A	461F 463FC
Glass										
Recommended	—	—	784F	—	784F	—	—	—	—	—
Alternative	—	—	SC-BL	—	SC-BL	—	—	—	—	—
Finishing/Polishing	—	—	461F	461F	461F	—	—	461F	—	461F
Wood										
	Portable Sanding		Edge Sanding			Profile Sanding			Paper Wide Belt	Cloth Wide Belt
Recommended	970DZ	990FZ	970DZ	364UZ	970DZ	900DZ	—	—	364UZ	970DZ
Alternative	384F	991FZ	384F	366UZ	384F	726A	—	—	366UZ	370DZ
Finishing/Polishing	—	490FZ	—	466UZ	—	—	—	—	466UZ	—
	—	—	—	—	—	—	—	—	—	—

*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.

Abrasive Belt Systems

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.



3M™ Coated Belt Backing Guide

Flexible • Durable					
723D/726A J Weight	947A X Weight	784F X/Y Weight	1184F/984F Y Weight	994F Z Weight	997F Z Weight
Lower Pressure • Higher Pressure					

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.

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			✓●		✓●	✓●	✓●		✓●							
997F		ZF	Yes	Dry/Wet			✓													
994F		ZF	No	Dry/Wet			✓													
981F		YF	No	Dry/Wet			✓	✓		✓										
970DZ		Y/X	No	Dry							✓		✓	✓	✓	✓				
967F		ZF/YF	Yes	Dry/Wet		✓	✓		✓	✓	✓									
966F		ZF/YF	No	Wet	✓	✓	■		✓	■	✓									
947F		X	Yes	Dry				✓●		✓●	✓●		✓●							
900DZ		J	No	Dry							✓		✓	✓	✓	✓				
784F	A/O Ceramic Blend	XF/YF	Yes	Dry/Wet			■●		■●	✓●	■●		■●	✓●	■●					
777F		YF	Yes	Dry/Wet			✓	✓	✓	✓	✓	P	P	P	P					
767F		YF	Yes	Dry/Wet			✓●			✓●	✓●		✓●							
726A		J	Yes	Dry							✓●		✓●	✓●	✓●	✓●	✓●	✓●	✓●	
723D		J	No	Dry								✓	✓	✓	✓	✓				
577F	Alumina Zirconia	YF	Yes	Dry/Wet		✓●	✓●	✓●	✓●	✓●	✓●	✓●	✓●	✓●	✓●					
490FZ	Silicon Carbide	ZF/YF	No	Dry		■	■	■	■	■	■	■	■	■	■					
461F		XF/YF	No	Dry/Wet			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
384F	A/O Ceramic Blend	XF	No	Dry/Wet			✓●		✓●	✓●	■●		■●	✓●	■●	✓●	✓●	P●	P●	

✓ = 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.

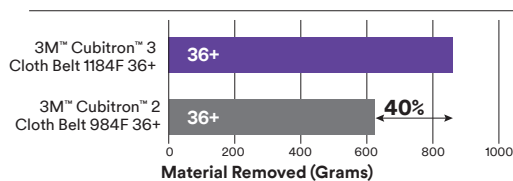


The first time you use the 3M™ Cubitron™ 3 Cloth Belt 1184F, with re-engineered 3M Precision-Shaped Grain, you'll instantly notice the difference. We've taken the legendary cutting speed and life of 3M™ Cubitron™ Performance Abrasives to a new level—outperforming our original 3M™ Cubitron™ 2 Cloth Belt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

36+

Up to **40%**

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

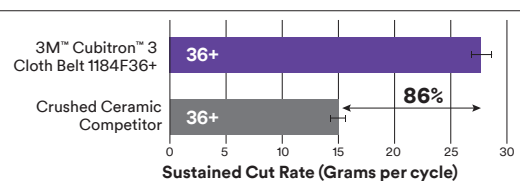


Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: the total material removed in grams at 40 cycles.

Up to

86%

faster sustained cut rate compared to a
crushed ceramic competitor

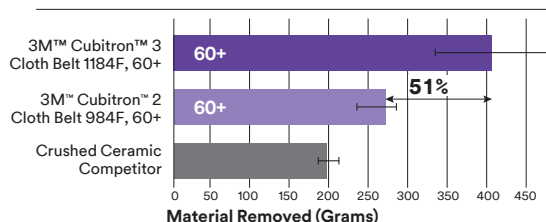


Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Error bars = 95% confidence interval. Cut rate: the total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

60+

Up to **51%**

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

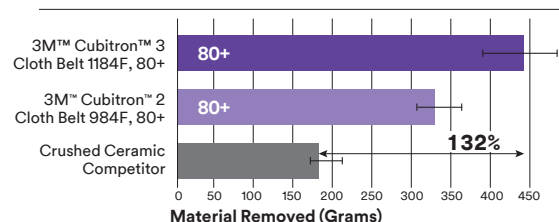


Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45 cycles. Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed 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



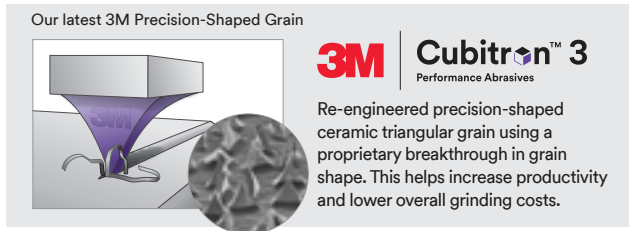
Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45 cycles. Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

Abrasive Belt Systems

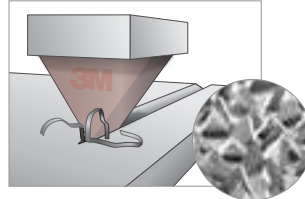
3M reshaped and improved 3M Precision-Shaped Grain.

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.

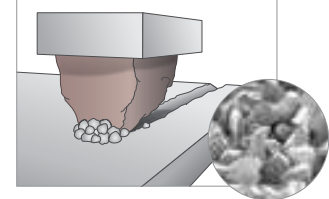
3M pioneered the first precision-shaped grain using 3M micro-replication technology to form consistent sharp peaks that easily “slice” through metal—cutting cooler, faster, and lasting longer than conventional abrasive grain.



3M Precision-Shaped Grain



Conventional ceramic abrasive



3M™ Cubitron™ 3 Cloth Belt 1184F, 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
- Available in 36+ for high stock removal and 60+ and 80+ for moderate stock removal



3M ID	W x L	Grade	Qty/Case
Custom Sizes*			
7100313150	Custom Size	36+	N/A
7100330154	Custom Size	60+	N/A
7100330153	Custom Size	80+	N/A
File / Portable Belts			
7100331234	1/2" x 13"	36+	200
7100317560	1/2" x 18"	36+	200
7100354022	1/2" x 18"	60+	200
7100354016	1/2" x 18"	80+	200
7100317516	1/2" x 24"	36+	200
7100354019	1/2" x 24"	60+	200
7100354018	1/2" x 24"	80+	200
7100317510	3/4" x 18"	36+	200
7100354015	3/4" x 18"	60+	200
7100358081	3/4" x 18"	80+	200
7100354143	1" x 11"	60+	500
7100354144	1" x 11"	80+	500
Bench Top / Small Belts			
7100350490	1" x 72"	60+	200
7100315931	2" x 60"	36+	50
7100315929	2" x 72"	36+	50
7100354014	2" x 72"	80+	50
7100315932	2-1/2" x 60"	36+	50
7100350514	2-1/2" x 72"	60+	50
7100327370	3-1/2" x 15-1/2"	36+	50
7100358075	3-1/2" x 15-1/2"	60+	50
7100354016	3-1/2" x 15-1/2"	80+	50
7100350491	4" x 60"	60+	50
7100316194	6" x 48"	36+	20
7100354021	6" x 48"	60+	20

3M ID	W x L	Grade	Qty/Case
Medium / Long Belts			
7100316196	1" x 90"	36+	100
7100317269	1" x 132"	36+	100
7100354020	1" x 132"	60+	200
7100354017	1" x 132"	80+	200
7100317499	2" x 90"	36+	50
7100315930	2" x 118"	36+	50
7100317265	2" x 132"	36+	50
7100358076	2" x 132"	60+	50
7100358079	2" x 132"	80+	50
7100317501	3" x 90"	36+	50
7100317267	3" x 132"	36+	25
7100358077	3" x 132"	60+	25
7100358078	3" x 132"	80+	25
7100317507	4" x 90"	36+	50
7100317266	4" x 132"	36+	25
7100358080	4" x 132"	80+	25
7100317496	4" x 168"	36+	25
7100350492	4" x 168"	60+	50
7100316193	5" x 132"	36+	25
7100317500	6" x 90"	36+	20
7100317498	6" x 132"	36+	10
7100331816	6" x 138"	36+	10
7100350513	8" x 132"	60+	50
7100350515	6" x 264"	80+	20

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	W x L	Grade	Qty/Case
7000144125	1/4" x 24"	60+	200
7010516549	1/4" x 24"	120+	200
7000045139	1/2" x 18"	36+	200
7000119511	1/2" x 18"	60+	200
7000119515	1/2" x 18"	80+	200
7100101153	1/2" x 18"	120+	200
7000119190	1/2" x 24"	36+	200
7000119507	1/2" x 24"	60+	200
7000119519	1/2" x 24"	80+	200
7100095559	1/2" x 24"	120+	200
7100020236	3/4" x 18"	36+	200
7100020234	3/4" x 18"	60+	200
7000144126	3/4" x 18"	80+	200
7000148169	3/4" x 20-1/2"	36+	200
7000119520	3/4" x 20-1/2"	80+	200
7010361643	1" x 11"	60+	500
7010327351	1" x 11"	80+	500
7010515204	1" x 11"	120+	200
7100026609†	1" x 42"	80+	200
7010360999	1" x 132"	36+	100
7010327348	1" x 132"	60+	200
7010308912	1" x 132"	80+	200
7100227572	1" x 132"	120+	200
7100117789†	1-1/2" x 132"	36+	50
7010513620	1-1/2" x 132"	120+	50
7000119525	2" x 60"	36+	50
7010361639†	2" x 60"	60+	50
7010363530	2" x 60"	120+	50
7000119191	2" x 72"	36+	50
7000119509	2" x 72"	60+	50
7000119522	2" x 72"	80+	50
7010308533	2" x 72"	120+	50
7010308914	2" x 118"	36+	50
7010532371	2" x 118"	120+	50
7000119179	2" x 132"	36+	50
7000119514	2" x 132"	60+	50
7100100244	2" x 132"	80+	50
7100101199	2" x 132"	120+	50
7010327356	2-1/2" x 60"	36+	50
7010362363	2-1/2" x 60"	60+	50
7010327353†	2-1/2" x 60"	80+	50
7100296466	2-1/2" x 60"	120+	50

†Made-to-Order

3M™ Cubitron™ 2 Abrasive Belt 984F (cont)

3M ID	W x L	Grade	Qty/Case
7100010397	3" x 132"	36+	25
7100010398	3" x 132"	60+	25
7100010402	3" x 132"	80+	25
7010300326	3" x 132"	120+	25
7000119512	3-1/2" x 15-1/2"	60+	50
7000119516	3-1/2" x 15-1/2"	80+	50
7010515807	3-1/2" x 15-1/2"	120+	50
7000119181	4" x 132"	36+	25
7100026607	5" x 132"	36+	25
7010363532	4" x 132"	120+	25
7100076951	6" x 48"	36+	20
7010308910	6" x 48"	60+	20
7000119523	6" x 48"	80+	20
7010363531	6" x 48"	120+	20
7000119510	6" x 60"	60+	20
7100026606	6" x 132"	36+	10
7010327357	8" x 107"	36+	10
7010300123	8" x 132"	36+	10
7000148168	37" x 60"	80+	2
7010513528	37" x 60"	120+	2
7010327354†	37" x 75"	80+	2
7010514962	37" x 75"	120+	2
7100007990	Custom Sizes†	36+	—
7100097257	Custom Sizes†	50+	—
7100007991	Custom Sizes†	60+	—
7100007992	Custom Sizes†	80+	—
7100082475	Custom Sizes†	120+	—

†Custom belt sizing is available using the Configurable SKU.

3M™ Cubitron™ 2 Cloth Belt 997F

- Made with revolutionary 3M Precision-Shaped Abrasive Grain technology
- Tough, durable ZF weight polyester cloth backing
- Superb in high pressure stainless, cobalt chrome and nickel alloy applications



3M ID	W x L	Grade	Qty/Case
7100047372	Belt sizes made to order; specify 3M ID, grade and belt size (W" x L")†	36+	Determined by belt size

†Custom belt sizing is available using the Configurable SKU.

3M™ Cubitron™ 2 Cloth Belt 994F

- Made with revolutionary 3M Precision-Shaped Abrasive Grain technology
- Tough, durable ZF weight cloth backing
- Optimal for high pressure carbon steel and aluminum applications



3M ID	W x L	Grade	Qty/Case
7100047077	Belt sizes made to order; specify 3M ID, grade and belt size (W" x L")†	36+	Determined by belt size

†Custom belt sizing is available using the Configurable SKU.

3M™ Coated Abrasive Belts

3M™ Cubitron™ 2 Cloth Belt 981F

- The formulation helps reduce loading and can reduce or eliminate the need to apply a wax lubricant to the surface of the belt
- Designed specifically for grinding on soft metal substrates like aluminum, brass and bronze
- 3M Precision-Shaped Grain cuts exceptionally fast for grinding and finishing on soft metals
- Has a grinding aid that works well on high pressure stainless, cobalt chrome and nickel alloy applications



3M ID	W x L	Grade	Qty/Case
7100164952	1/2" x 24"	40+	200
7100163223	3/4" x 18"	40+	200
7100159533	2" x 48"	40+	50
7100159587	2" x 48"	60+	50
7100159585	2" x 72"	36+	50
7100159534	2" x 72"	60+	50
7100166062	2" x 132"	36+	50
7100166056	2" x 132"	40+	50
7100166067	2" x 132"	60+	50
7100162631	3" x 132"	36+	25
7100162632	3" x 132"	40+	25
7100164953	3" x 132"	60+	25
7100138642	Custom Sizes†	36+	–
7100138643	Custom Sizes†	40+	–
7100138645	Custom Sizes†	60+	–

†Custom belt sizing is available using the configurable SKU.

3M™ Cloth Belt 967F

- Go-to product for titanium and high nickel alloys
- Grinding aid enables rough grinding on heat-sensitive alloys
- Heavy duty ZF/WF weight cloth backing stands up to high pressure applications
- Available in grades 24+ to 80+



3M ID	Size	Grade	Qty/Case
7100091857	Custom Sizes	24+**	Determined by belt size
7100091859		36+	
7100091861		50+	
7100091863		60+	
7100091865		80+	

** ZF weight

3M™ Cubitron™ 2 Cloth Belt 966F

- Constructed of durable waterproof polyester cloth backing
- Designed for heavy wet grinding of titanium plate and slab and other heat sensitive alloys
- Available in grades 20+ to 80+
- Heavy duty ZF/YF weight polyester cloth backing



3M ID	Size	Grade	Qty/Case
7100091845	Custom Sizes	20+**	Determined by belt size
7100091847		24+**	
7100091849		36+	
7100091851		50+	
7100091853		60+	
7100091855		80+	

*3M ID — Custom size made to order

**ZF weight

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	W x L	Grade	Qty/Case
7010360589	1/4" x 24"	60+	200
7100141690	1/4" x 24"	80+	200
7100141686	1/4" x 24"	120+	200
7010361843	1/2" x 18"	40+	200
7010360590	1/2" x 18"	60+	200
7010325795	1/2" x 18"	80+	200
7100029134	1/2" x 18"	120+	200
7010327219	1/2" x 24"	40+	200
7010307699	1/2" x 24"	60+	200
7100139895	1/2" x 24"	80+	200
7100099868	1/2" x 24"	120+	200
7010515340	3/4" x 18"	40+	200
7010360593	3/4" x 18"	60+	200
7100115435	3/4" x 18"	80+	200
7010360594	3/4" x 18"	120+	200
7010361844	3/4" x 20-1/2"	40+	200
7010325797	3/4" x 20-1/2"	60+	200
7010360595	3/4" x 20-1/2"	80+	200
7010307700	3/4" x 20-1/2"	120+	200
7010360596	1" x 11"	80+	200
7010325798	1" x 11"	120+	50
7010294445	1" x 30"	80+	200
7010360597	1" x 30"	120+	200
7010325799	1" x 42"	80+	200
7010360598	1" x 42"	120+	200
7100126997	2" x 60"	60+	50
7010360599	2" x 60"	80+	50
7010325800	2" x 60"	120+	50
7100035127	2" x 72"	60+	50
7010360600	2" x 72"	80+	50
7010325801	2" x 72"	120+	50
7010512188	2" x 132"	40+	50
7100023489	2" x 132"	60+	50
7100023603	2" x 132"	80+	50
7100023490	2" x 132"	120+	50
7010514694	3" x 132"	40+	25
7100023488	3" x 132"	60+	25
7100023487	3" x 132"	80+	25
7100023486	3" x 132"	120+	25
7010360605	6" x 48"	60+	20
7010325804	6" x 48"	80+	20
7010299911	6" x 48"	120+	20
7100171627	Custom Sizes†	40+	–
7100023234	Custom Sizes†	60+	–
7100023179	Custom Sizes†	80+	–
7100023178	Custom Sizes†	120+	–

†Custom belt sizing is available using the Configurable SKU.

3M™ Coated Abrasive Belts

3M™ Cubitron™ 2 Cloth Belt 784F

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



3M ID	Size	Grade	Qty/Case
7100122768	1/2" x 18"	36+	200
7100122891		60+	
7100119302		80+	
7100146282		120+	
7010414999	3/4" x 18"	36+	200
7100119295		60+	
7100128758		80+	
7010362614		120+	
7100122769	1/2" x 24"	60+	200
7100128757		80+	
7010308701		120+	
7010327800	2" x 48"	60+	50
7010299101		80+	
7010362608	6" x 48"	60+	20
7100122889		80+	
7010299100	2" x 72"	60+	50
7010362613		120+	
7010362606	1" x 132"	50+	100
7100134241	2" x 132"	36+	50
7010308700		60+	
7010308699	3" x 132"	36+	25
7010362609		60+	
7100145351		80+	
7100171629		120+	
7100091823	Custom Sizes	36+	Determined by belt size
7100091825		50+	
7100091827		60+	
7100091829		80+	
7100091831		120+	
7100091833		150+	

3M™ Cloth Belt 777F

- 3M ceramic aluminum oxide blend abrasive grain on a YF weight cloth backing
- Contains grinding aid which enhances performance on stainless steel and other exotic alloys
- For use on backstand, benchtop, flat finishing, slack of belt, centerless and roll grinding equipment
- Can be run wet or dry
- Available in grades P36 to P180



3M ID	W x L	Grade	Qty/Case
7100007970	Custom Sizes	P36	Determined by belt size
7100052675		P40	
7100007971		P50	
7100007962		P60	
7100007963		P80	
7100007895		P100	
7100007896		P120	
7100007897		P150	
7100052669		P180	

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	W x L	Grade	Qty/Case
7100266289	Custom Sizes	36+	Determined by belt size
7100266290		60+	
7100266291		80+	
7100266292		120+	

3M™ Cubitron™ 2 Cloth Belt 723D

- Strong value without sacrificing performance
- Very flexible and conformable J weight backing
- Available in grades 100+ to 220+



3M ID	Size	Grade	Qty/Case
7010327795†	1" x 42"	220+	200
7010362604†	2" x 72"	120+	50
7010327794†	2" x 132"	120+	50
7010290266†		150+	
7010362602†	3" x 132"	120+	25
7010308698†		150+	
7010362603†		220+	
7100093046†	Custom Sizes	100+	Determined by belt size
7100091835†		120+	
7100091837†		150+	
7100091839†		180+	
7100091841†		220+	

Custom belt sizing is available using the Configurable SKU

Abrasive Belt Systems

3M™ Coated Abrasive Belts

3M™ Cubitron™ 2 Cloth Belt 726A

- 3M Precision-Shaped Grain for a fast cut rate, long life and heat-resistant performance on most metals
- Offers performance and flexibility
- For low pressure applications and finishing contoured surfaces
- Flexible, tear resistant
- Anti-loading performance



3M ID	Size	Grade	Qty/Case
7100312100	2" x 72"	80+	50
7100289793		120+	
7100289722		150+	
7100289776		180+	
7100289721		220+	
7100289720		240+	
7100289782		320+	
7100289719		400+	
7100312096	2" x 118"	80+	50
7100289611		120+	
7100289579		150+	
7100289781		180+	
7100289772		220+	
7100289788		240+	
7100289775		320+	
7100289785		400+	
7100312101	2" x 132"	80+	50
7100289715		120+	
7100289718		150+	
7100289769		180+	
7100289768		220+	
7100289779		240+	
7100289784		320+	
7100289580		400+	
7100312111	3" x 118"	80+	50
7100289780		120+	
7100289786		150+	
7100289789		180+	
7100289787		220+	
7100289714		240+	
7100289812		320+	
7100289770		400+	
7100312103	3" x 132"	80+	50
7100289774		120+	
7100289773		150+	
7100289778		180+	
7100289771		220+	
7100289589		240+	
7100289591		320+	
7100289437		400+	
7100312097	4" x 118"	80+	50
7100289777		120+	
7100289717		150+	
7100289783		180+	
7100289716		220+	
7100289795		240+	
7100289794		320+	
7100289616		400+	

Available in grades 80+ to 400+

3M™ Cubitron™ 2 Cloth Belt 726A (Cont.)

3M ID	Size	Grade	Qty/Case
7100289610	Custom Sizes	80+	Determined by belt size
7100289609		120+	
7100289608		150+	
7100289607		180+	
7100289606		220+	
7100289605		240+	
7100289604		320+	
7100289603		400+	

Custom belt sizing is available using the Configurable SKU.

3M™ Cloth Belt 577F

- Alumina zirconia on a YF weight cloth backing
- Resin bonded for heat resistance
- Features a grinding aid for cooler grinding
- For use on backstand, benchtop, slack of belt, portable, flat finishing, centerless and roll grinding equipment
- Can be run wet or dry



3M ID	W x L	Grade	Qty/Case
7100012311	Custom Sizes	P24	Determined by belt size
7100013790		P36	
7100012804		P40	
7100013852		P50	
7100012931		P60	
7100012242		P80	
7100013086		P100	
7100012365		P120	
7100048845		P150	
7100012484		P180	

†Made-to-Order

3M™ Cloth Belt 461F

- Silicon carbide mineral
- Durable cloth-backed belts
- Commonly used for finishing stainless steel, titanium, and glass seaming
- Construction is ideal for grinding sheets and coils, and for centerless and backstand applications
- Go-to belt for glass seaming



3M ID	W x L	Grade	Qty/Case
7100052894	Custom Size	P36	Determined by belt size
7100047469		P60	
7100052892		P80	
7100052895		P80	
7100052896		P100	
7100052897		P100	
7100052890		P120	
7100052891		P150	
7100052893		P180	
7100047468		P220	
7100047467		P240	
7100047466		P320	
7100047465		P400	

Custom belt sizing is available using the configurable SKU.

3M™ Coated Abrasive Belts

3M™ Cloth Belt 384F

- Workhorse for general purpose metalworking applications
- Consistent performance on all metals at a great value
- Waterproof X weight polyester backing
- Available in grades 36+ to 240+; P320-400



3M ID	Size	Grade	Qty/Case
7100128763	1/2" x 18"	36+	200
7100122771		60+	
7100119296		80+	
7100299102		120+	
7100127626	1/2" x 24"	36+	200
7100127625		60+	
7100128751		80+	
7100116475		120+	
7100128753	3/4" x 18"	36+	200
7100122890		60+	
7100128752		80+	
7010362620		120+	
7010362617	1" x 42"	80+	200
7010327803		120+	
7010308702	2" x 60"	60+	50
7010362615		80+	
7010516395	3" x 132"	120+	50
7010512556		150+	
7010532439		180+	
7010516559		220+	
7010512557		240+	
7100091777	Custom Sizes	36+	Determined by belt size
7100091779		50+	
7100091799		60+	
7100091802		80+	
7100091804		120+	
7100091806		150+	
7100091808		180+	
7100091813		220+	
7100091815		240+	
7100091817		P320	
7100091819		P400	

3M™ Cubitron™ 2 Cloth Belt 900DZ

- Good for coarse and intermediate/finish wood sanding
- Silicon Carbide mineral for sharp, consistent cutting action and fine finishes
- Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces loading and offers longer belt life



3M ID	W x L	Grade	Qty/Case
7100281574	Custom Sizes	80+	Determined by belt size
7100281575		120+	
7100281576		150+	
7100281577		180+	
7100281578		220+	

3M™ Cubitron™ 2 Cloth Belt 970DZ

- Powered by 3M Precision-Shaped Grain that cuts faster and lasts longer than conventional abrasives
- Open coat construction and anti-static treatment reduce loading for enhanced cut rate and longer belt life
- Heavyweight cloth backing offers durability for coarser grades and is especially suited to wide belt and edge sanding
- Resin bond withstands high heat and pressure for longer service life
- Performs well on all wood types



3M ID	W x L	Grade	Qty/Case
7100266293	Custom Sizes	80+	Determined by belt size
7100266294		120+	
7100266295		150+	
7100266296		180+	
7100266297		220+	

3M™ Cloth Belt 490FZ

- Good for coarse and intermediate/finish wood sanding
- Silicon Carbide mineral for sharp, consistent cutting action and fine finishes
- Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces loading and offers longer belt life
- Available in narrow and wide belt styles



3M ID	W x L	Grade	Qty/Case
7100111351	Custom Sizes	P16	Determined by belt size
7100102210		P24	
7100102184		P36	
7100102211		P40	
7100102212		P50	
7100102185		P60	
7100102186		P80	
7100097115		P100	
7100097114		P120	
7100102213		P150	

Abrasive Belt Systems

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 micro-replication 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)
A3	4000 Mesh
A5	P3000
A6	P2000
A10	P1500
A16	P1200
A20	P1200
A30	P600
A35	P600
A45	P400
	P320
A60	—
A65	—
	P240
A80	—
A90	P220
A100	P180
A110	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	A5					2-5
	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
	A80	40-46	39-44	45-55	49-56	38-44
Silicone Carbide	A100	46-55	44-46	55-63	51-62	40-48
	A90	17-23	29-35	51-57	54-60	33-39
	A110	27-33	40-46	62-68	61-67	42-48

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™ Belt Availability Guide

3M ID	Mineral	Backing	Description	Use Dry/Wet	A Grade																
					300	160	110	100	90	80	65	60	45	35	30	20	16	10	6	5	3
217EA*	Aluminum Oxide	Flex J weight	Low Pressure	Dry				●		●	●		●		●		●		●		
237AA*		Semi Flex X weight	Low-Med Pressure	Dry		●		●		●	●		●		●		●		●		
253FA		Stiff X weight	Low-Med Pressure	Wet/Dry				●		●	●		●		●		●		●		
305EA		Flex J weight	Fine Finishing	Dry																●	●
307EA*		Flex J weight	Low-Med Pressure	Dry				●		●	●		●		●		●		●		
327DC		Semi Flex X weight	Low Pressure	Dry	●	●		●			●		●		●						
337DC		Semi Flex X weight	Med Pressure	Dry	●	●		●			●		●		●						
347FC		Semi Flex X weight	Med-High Pressure	Wet/Dry	●	●		●			●		●		●						
363FC		Stiff YF weight	Med-High Pressure	Wet	●	●		●			●		●	●							
407EA	Silicon Carbide	Flex J weight	Low-Med Pressure	Dry			●		●			●				●					
463FC		Stiff YF weight	Med-High Pressure	Wet									●			●					
953FA	Ceramic	Stiff YF weight	Med-High Pressure	Wet	●	●		●		●	●		●	●			●	●	●		

*Go-to product

3M™ Trizact™ Belts

3M™ Trizact™ Cloth Belt 217EA

- Used for a large number of metal types, including aluminum, copper, brass and other metals to final finishing
- Good for low pressure applications
- Flexible belt for is for finishing and polishing



3M ID	W x L	Grade	Qty/Case
7010359940†	4" x 84"	A45	50
7010361441†	4" x 106"	A45	50
7010326329	4" x 118"	A6	50
7010307902	4" x 118"	A16	50
7010328202	4" x 118"	A30	50
7010361432†	4" x 118"	A45	50
7010516045	4" x 118"	A100	50
7100099407†	4" x 132"	A6	50
7100099418†	4" x 132"	A16	50
7100099410†	4" x 132"	A30	50
7100099390†	4" x 132"	A45	50
7100099412†	4" x 132"	A65	50
7010409237†	4" x 168"	A30	50
7010361421†	4" x 168"	A80	50

†Made-to-Order

3M™ Trizact™ Cloth Belt 237AA

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



3M ID	W x L	Grade	Qty/Case
7010294490†	1" x 11"	A6	500
7010360481†	1" x 11"	A16	500
7010326063†	1" x 11"	A45	500
7010309083†	1" x 11"	A65	500
7010328233†	1" x 11"	A100	500
7010309438†	2" x 48"	A16	50
7000118655†	2" x 48"	A30	50
7000118659†	2" x 48"	A45	50
7010307916†	2" x 48"	A80	50
7100014543†	2" x 48"	A100	50
7010308268†	2" x 48"	A160	50
7000118652†	2" x 72"	A16	50
7000118653†	2" x 72"	A30	50
7100083002†	2" x 72"	A65	50
7010325947†	2" x 72"	A80	50
7010328246†	2" x 72"	A100	50
7010298876†	2" x 72"	A160	50
7010364850†	2" x 132"	A6	50
7000120314†	2" x 132"	A16	50
7000118654†	2" x 132"	A30	50
7000120295	2" x 132"	A45	50
7000120299	2" x 132"	A100	50
7000118684†	3" x 132"	A6	50
7000118363	3" x 132"	A16	50
7000118366	3" x 132"	A30	50
7100117456	3" x 132"	A45	50
7000120298†	3" x 132"	A65	50
7010295221†	3" x 132"	A160	50
7010325935†	4" x 90"	A6	50
7000120293†	4" x 90"	A16	50
7010308049	4" x 90"	A30	50
7000120296†	4" x 90"	A45	50
7010360289†	4" x 90"	A65	50
7010326282†	4" x 90"	A80	50
7000120321†	4" x 90"	A100	50
7010364852†	4" x 118"	A16	50
7010328207†	4" x 118"	A30	50
7010328208†	4" x 118"	A45	50
7010361459†	4" x 118"	A100	50
7010365038†	4" x 132"	A6	50
7000120294	4" x 132"	A16	50
7000118367	4" x 132"	A30	50
7000120297†	4" x 132"	A45	50
7010328237†	4" x 132"	A65	50
7010295209†	4" x 132"	A80	50
7010309417†	4" x 132"	A100	50

†Made-to-Order

Abrasive Belt Systems

3M™ Trizact™ Belts

3M™ Trizact™ Cloth Belt 253FA

- Ideal for wet flat-finishing and wet intermediate finishing of centerless applications
- Great on stainless steel, carbon steel and carbon fiber composites



3M ID	W x L	Grade	Qty/Case
7100051346	Belt sizes made to order; specify 3M ID, grade and belt size (W" x L"); belts wider than 25" require multiple splices	A6	Determined by belt size
7100049039		A16	
7100051853		A30	
7100052775		A45	
7100052776		A65	
7100052777		A80	
7100052778		A100	
7010326043†	1" x 132"	A6	200
7100039850†	1" x 132"	A16	200
7010308220†	1" x 132"	A45	200
7010361410	2" x 72"	A6	50
7010328662	2" x 72"	A16	50
7010365015	2" x 72"	A30	50
7100034255†	2" x 72"	A45	50
7010309420†	2" x 72"	A65	50
7010365020	2" x 72"	A100	50
7010359633	2" x 132"	A6	50
7010325568	2" x 132"	A16	50
7010328664	2" x 132"	A30	50
7010359634	2" x 132"	A45	50
7010365018	2" x 132"	A65	50
7010365019	2" x 132"	A80	50
7000120300	2" x 132"	A100	50
7010328214†	2" x 148"	A6	50
7010363731†	2" x 148"	A16	50
7010361473†	2" x 148"	A45	50
7010360130†	3" x 72"	A16	50
7010360371†	3" x 72"	A30	50
7010308208†	3" x 72"	A100	50
7010309411†	3" x 118"	A6	50
7010365013†	3" x 118"	A16	50
7100119733	3" x 118"	A30	50
7010364868†	3" x 118"	A45	50
7010328217†	3" x 118"	A80	50
7010364871†	3" x 118"	A100	50
7010309418†	3" x 132"	A6	50
7000118364	3" x 132"	A16	50
7000118365	3" x 132"	A30	50
7100018547	3" x 132"	A45	50
7010328666†	3" x 132"	A65	50
7010299168	3" x 132"	A80	50
7000120301†	3" x 132"	A100	50

†Made-to-Order

3M™ Trizact™ Cloth Belt 305EA

- Excellent finish consistency from day one for final finish and pre-polish applications
- Aluminum oxide grain cuts fast, stays sharp
- Engineered for dry sanding applications, runs cooler
- Proprietary abrasive mineral runs with less pressure, cleaner, cooler and with fewer belt changes
- Fewer steps and fewer rejects means lower grinding cost per part



3M ID	W x L	Grade	Qty/Case
7100052797	Custom Sizes	A3	Determined by belt size
7100052796		A5	
7100052733		A6	
7100052732		A16	
7100052731		A30	
7100052730		A45	
7100052729		A65	
7100052728		A80	
7100112315		A100	

3M™ Trizact™ Cloth Belt 307EA

- Flexible cloth backing
- Aluminum oxide mineral
- Perfect choice for preplate and prebuff surface finishes



3M ID	W x L	Grade	Qty/Case
7010364870†	1" x 42"	A80	200
7010365060†	1" x 42"	A100	200
7010361234†	1" x 72"	A45	200
7010361435†	1" x 72"	A65	200
7010308252†	1" x 76"	A6	200
7010360367†	1" x 76"	A30	200
7010363732†	1" x 77"	A45	200
7010326283†	4" x 36"	A30	50
7010365012†	4" x 90"	A6	50
7010328663†	4" x 90"	A16	50
7010325916†	4" x 118"	A6	50
7010365014	4" x 118"	A16	50
7010290814†	4" x 118"	A30	50
7010295210†	4" x 118"	A80	50
7010328218†	4" x 118"	A100	50
7010308233†	4" x 132"	A6	50
7010309419†	4" x 132"	A16	50
7010365016	4" x 132"	A30	50
7010364990†	4" x 168"	A30	50
7010326051†	4" x 240"	A16	25
7010364872†	4" x 240"	A100	50

†Made-to-Order

3M™ Trizact™ Belts

3M™ Trizact™ Cloth Belt 327DC

- Use for mill line removal, intermediate scratch refinement, consistent dimensioning and consistent finishing applications
- Macroreplicated aluminum oxide on a flexible backing
- Grinding aid
- For dry, low pressure applications only



3M ID	W x L	Grade	Qty/Case
7100065177	Custom Sizes	A30	Determined by belt size
7100043986		A45	
7100052832		A65	
7100065179		A100	
7100052817		A160	
7100042408		A300	

3M™ Trizact™ Cloth Belt 337DC

- Macroreplicated structure provides long product life and consistent cut and finish
- For dry, medium pressure applications on backstand grinders



3M ID	W x L	Grade	Qty/Case
7010365335†	2" x 60"	A100	5
7010329165†	2" x 60"	A160	5
7010365334†	2" x 60"	A300	5
7100054499	2" x 72"	A30	20
7100054140†	2" x 72"	A45	20
7100109885†	2" x 72"	A65	5
7100109886†	2" x 72"	A100	5
7100109897†	2" x 72"	A160	5
7010309562†	2" x 72"	A300	5
7010309563†	2" x 132"	A45	5
7010365339†	2" x 132"	A65	5
7010329167†	2" x 132"	A100	5
7010365338†	2" x 132"	A160	5
7010299332†	2" x 132"	A300	5
7010329169†	3" x 132"	A45	5
7010365341†	3" x 132"	A65	5
7010294911†	3" x 132"	A100	5
7010329168†	3" x 132"	A160	5
7010365340†	3" x 132"	A300	5

†Made-to-Order

3M™ Trizact™ CF Cloth Belt 347FC

- 3M aluminum oxide abrasive grain on a macroreplicated, flexible X weight polyester backing
- For wet or dry, medium/high applications on hard metals, nickel alloys, titanium and stainless steel



3M ID	W x L	Grade	Qty/Case
7100052831	Custom Sizes	A30	Determined by belt size
7100052826		A45	
7100048818		A65	
7100052827		A100	
7100052828		A160	
7100052829		A300	

3M™ Trizact™ Cloth Belt 407EA

- Use for mill line removal, intermediate scratch refinement, consistent dimensioning and consistent finishing applications
- Silicon carbide constructed on a flexible rayon cloth backing
- Grinding aid for cooler grinding
- Resin bonded for heat resistance



3M ID	W x L	Grade	Qty/Case
7100052757	Custom Sizes	A20	Determined by belt size
7100047203		A60	
7100052703		A90	
7100052735		A110	

3M™ Trizact™ Cloth Belt 363FC

3M ID	W x L	Grade	Qty/Case
7100070050	Custom Sizes	A35	Determined by belt size
7100070052		A45	
7100070054		A65	
7100052841		A100	
7100052840		A160	
7100052839		A300	

3M™ Trizact™ Belts



3M™ Trizact™ Cloth Belt 463FC

3M ID	W x L	Grade	Qty/Case
7100070332	Custom Sizes	A20	Determined by belt size
7100070340		A45	

3M™ Trizact™ Cloth Belt 953FA

- Use in wet centerless or flat grinding and finishing medium to high operations
- Excellent, predictable finish consistency throughout abrasive life
- Micro-replicated ceramic abrasive grain coated on waterproof cloth backing



3M ID	W x L	Grade	Qty/Case
7100052808	Custom Sizes	A6	Determined by belt size
7100052816		A10	
7100052807		A16	
7100052806		A30	
7100052805		A45	
7100052804		A65	
7100052803		A80	
7100052802		A100	
7100052801		A160	
7100052800		A300	

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	Multi-Purpose The original multi-purpose surface conditioning belt	Heavy Duty Holds up to sharp edges and burrs

More Aggressive



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™ SC Surface Conditioning Belts

- 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
- Belts are available with a scrim, low-stretch or film backing



3M ID	W x L	Grade	Color	Qty/Case
7000120669†	1/4" x 18"	A CRS	Brown	20
7000120687	1/4" x 18"	A MED	Maroon	20
7000120665†	1/4" x 18"	A VFN	Blue	20
7000120662	1/4" x 24"	A CRS	Brown	20
7000120661	1/4" x 24"	A MED	Maroon	20
7000120668	1/4" x 24"	A VFN	Blue	20
7000028455	1/2" x 18"	A CRS	Brown	20
7000028454	1/2" x 18"	A MED	Maroon	20
7000120715	1/2" x 18"	A VFN	Blue	20
7000120716	1/2" x 24"	A CRS	Brown	20
7000045943	1/2" x 24"	A MED	Maroon	20
7000045944	1/2" x 24"	A VFN	Blue	20
7000120674	3/4" x 18"	A CRS	Brown	20
7000028461	3/4" x 18"	A MED	Maroon	20
7000120700	3/4" x 18"	A VFN	Blue	20
7000120688	1" x 18"	A CRS	Brown	10
7000120693†	1" x 18"	A MED	Maroon	10
7100068000†	1" x 18"	A VFN	Blue	10
7000120565	1" x 42"	A MED	Maroon	10
7100017820	1" x 42"	A VFN	Blue	10
7010364323†	1" x 132"	A MED	Maroon	5
7000120736	2" x 48"	A MED	Maroon	10
7000120717	2" x 48"	A VFN	Blue	10
7000120600†	2" x 72"	A CRS	Brown	10
7000120578	2" x 72"	A MED	Maroon	10
7000120576	2" x 72"	A VFN	Blue	10
7010309300	2" x 132"	A MED	Maroon	5
7010365859	2" x 132"	A VFN	Blue	5
7000120574	2-3/4" x 15-1/2"	A CRS	Brown	10
7000120583	2-3/4" x 15-1/2"	A MED	Maroon	10
7000045881	3" x 10-11/16"	A CRS	Brown	10
7000045880	3" x 10-11/16"	A MED	Maroon	10
7000120655	3" x 10-11/16"	A VFN	Blue	10
7000120689†	3" x 18"	A CRS	Brown	10
7000120690	3" x 18"	A MED	Maroon	10
7000120701	3" x 18"	A VFN	Blue	10

†Made-to-Order

Scotch-Brite™ SC Surface Conditioning Belts (cont)

3M ID	W x L	Grade	Color	Qty/Case
7000120598	3" x 24"	A CRS	Brown	10
7000120719	3" x 24"	A MED	Maroon	10
7100032503	3" x 24"	A VFN	Blue	10
7000120722	3" x 132"	A CRS	Brown	5
7000120720	3" x 132"	A MED	Maroon	5
7000120721	3" x 132"	A VFN	Blue	5
7000028433	3-1/2" x 15-1/2"	A CRS	Brown	10
7000028435	3-1/2" x 15-1/2"	A MED	Maroon	10
7000028436	3-1/2" x 15-1/2"	A VFN	Blue	10
7000120599†	4" x 24"	A CRS	Brown	10
7000120723†	4" x 24"	A MED	Maroon	10
7100018918†	4" x 132"	A CRS	Brown	5
7000120724	4" x 132"	A MED	Maroon	5
7010292398	4" x 132"	A VFN	Blue	5
7000120727	6" x 48"	A CRS	Brown	5
7000120725	6" x 48"	A MED	Maroon	5
7000120726	6" x 48"	A VFN	Blue	5

†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	W x L	Grade	Color	Qty/Case
7100029969	1/4" x 18"	A CRS	Brown	20
7010329811	1/4" x 18"	A MED	Maroon	20
7100033217	1/4" x 18"	A FIN	Green	20
7000121137	1/4" x 24"	A CRS	Brown	20
7000121126	1/4" x 24"	A MED	Maroon	20
7000121133	1/4" x 24"	A FIN	Green	20
7000121138†	1/2" x 12"	A CRS	Brown	20
7000121127	1/2" x 12"	A MED	Maroon	20
7010366834†	1/2" x 12"	A FIN	Green	20
7000028556	1/2" x 18"	A CRS	Brown	20
7100010674	1/2" x 18"	A MED	Maroon	20
7100010673	1/2" x 18"	A FIN	Green	20
7000121139	1/2" x 24"	A CRS	Brown	20
7000121129	1/2" x 24"	A MED	Maroon	20
7000121135	1/2" x 24"	A FIN	Green	20

†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.

Scotch-Brite™ Surface Conditioning Belts

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

3M ID	W x L	Grade	Color	Qty/Case
7000121140	3/4" x 18"	A CRS	Brown	20
7000121130	3/4" x 18"	A MED	Maroon	20
7100105418	3/4" x 18"	A FIN	Green	20
7010309996†	3" x 10-11/16"	A MED	Maroon	10
7010300865†	3" x 18"	A CRS	Brown	10
7000121142	3" x 18"	A MED	Maroon	10
7010366841†	3" x 24"	A CRS	Brown	10
7010366840†	3" x 24"	A MED	Maroon	10
7010366839†	3" x 132"	A CRS	Brown	5
7000121132	3" x 132"	A MED	Maroon	5
7000121141	3-1/2" x 15-1/2"	A CRS	Brown	10
7000121131	3-1/2" x 15-1/2"	A MED	Maroon	10
7000121136†	3-1/2" x 15-1/2"	A FIN	Green	10

†Made-to-Order

Scotch-Brite™ SE Surface Conditioning Belts

- 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	W x L	Grade	Color	Qty/Case
7000120885	1/4" x 18"	A CRS	Brown	20
7010366192†	1/4" x 24"	A CRS	Brown	20
7000120820	1/2" x 18"	A CRS	Brown	20
7000120883	1/2" x 18"	A MED	Maroon	20
7100070422	1/2" x 18"	A FIN	Green	20
7000046006	1/2" x 24"	A CRS	Brown	20
7010366189	1/2" x 24"	A MED	Maroon	20
7010366464	1/2" x 24"	A FIN	Green	20
7000046043	3/4" x 18"	A CRS	Brown	20
7000144152	3/4" x 18"	A MED	Maroon	20
7100096333	3-1/2" x 15-1/2"	A CRS	Brown	10
7100142899	3-1/2" x 15-1/2"	A MED	Maroon	10
7010329124	3-1/2" x 15-1/2"	A FIN	Green	10

†Made-to-Order

3M™ Power Tools: Abrasive Belt Systems

3M™ File Belt Sander and Kit

- Ideally suited for use with 3M™ Abrasive Belts and Scotch-Brite™ Belts for a variety of metalworking applications
- Grind and blend from contact wheel or platen finish and polish from slack of belt
- Provides access to hard-to-reach areas
- Eight different attachment arms available



3M ID	Model	Motor	Max RPM	Belt Speed SFPM (SMM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	Airflow Rate SCFM (LPM)
7000000433	28366	0.6 HP	22,000	4990 (1521)	2.8 (1.3)	14.57 (370)	2.93 (74.5)	5.95 (151.2)	28 (793)
7000000434	28367	Kit includes: Molded Case, File Belt Sander (PN28366) and two Attachment Arms (PNs 28368, 28370)							

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.

Accessories: Abrasive Belt Systems

3M™ File Belt Sander Platen Pad Material

3M ID	Part	Size	For Use With	Description	Qty/Case
7000045264	28377	1/2" x 7" x 1/8"	1/2" wide belts	Soft	10
7000045265	28378	3/4" x 7" x 1/8"	5/8" or 3/4" wide belts	Soft	10
7000045266	28379	1/2" x 7" x 1/8"	1/2" wide belts	Hard	10
7000045267	28380	3/4" x 7" x 1/8"	5/8" or 3/4" wide belts	Hard	10



3M™ File Belt Arm Service Tool Kit

3M ID	Part	Description	Qty/Case
7000119406	30670	Contains Wheel Positioning Block, Shaft Removal Tool, 2 Bearing Removal Tools, Bearing Mount Tool, Bearing Tool and Retaining Compound	1



3M™ File Belt Sander Attachment Arms



	3M ID	Part	Use With Belt Size	Description	Qty/Case
	7000119295	28368	1/2" x 18"	Standard Style: Standard arm included with 3M™ File Belt Sander (PN28366); sand with contact wheel or platen	1
	7000119296	28369	1/2" x 18"	Thin Style: Thinner than standard arm; sand with contact wheel or platen	1
	7000119297	28370	1/8" x 18" 1/4" x 18" 1/2" x 18"	Corners Style: Sand corners and grooves with contact wheel; accommodates three belt widths	1
	7000000435	28371	5/8" x 18" 3/4" x 18"	Thick Standard Style: Thicker than standard arm; sand with contact wheel or platen; accommodates two belt widths	1
	7000000436	28372	1/8" x 18" 1/4" x 18"	Corners Style: Sand corners and grooves with contact wheel; accommodates two belt widths	1
	7000000438	28374	1/2" x 18"	Curved Arm: Unique curved arm used for blending flat areas; sand with contact wheel or platen	1
	7000000439	28375	1/4" x 24" 1/2" x 24"	Vessel Arm: Unique large arm used for blending weld seams; sand with 4" contact wheel; includes tracking/control knob; accommodates two belt widths	1
	7000119298	28376	1/2" x 24"	Sander Extension: Use to extend arms to 24" length; can be used with same attachment arm used for 18" length arms	1

3M™ File Belt Attachment Arm Repair Kits

Attachment Arm Repair Kit Part	Description	For Use With Attachment Arm Part
30663	Kits contain: Contact wheel, bearing, shaft and platen pad if applicable	28368
30667		28369
30668		28370
30664	3M™ File Belt Arm Service Tool Kit (PN30670) recommended for use with repair kits	28371
30666		28372
30662		28374
30669		28375



► Abrasive Wheel Systems

For Deburring, Weld Blending, Finishing and More!

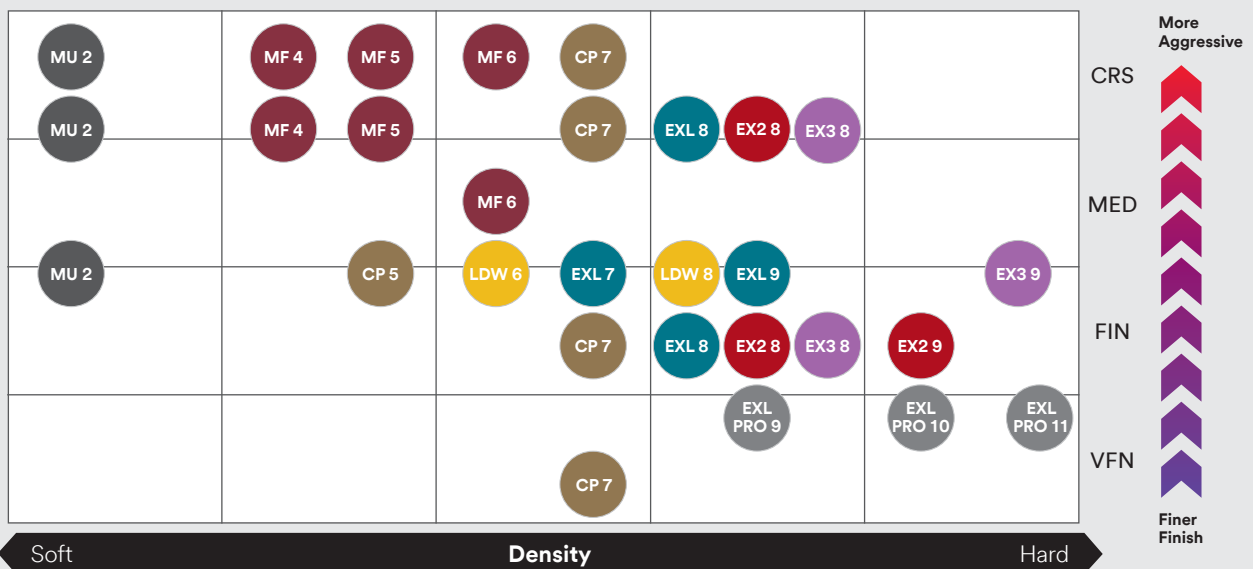
Scotch-Brite™ Convolute Wheels

Get high performance and durability in a variety of cleaning, deburring, finishing and polishing applications. Used on pedestal grinders, back stands, and bench motors, Scotch-Brite™ Wheels produce great results on all types of metal and composites.



Convolute Wheels Selection Guides

Scotch-Brite™ Convolute Wheel performance differences can be attributed to mineral (aggressiveness) and density (hardness). The combination of these two characteristics and subtle variations determine if the wheel will cut more aggressively or will be more durable and less conformable.



Mineral Abbreviations (prefix to grade)

A: Aluminum Oxide mineral S: Silicon Carbide mineral

Scotch-Brite™ Convolute Wheel	Deburring	Blending	Finishing	Polishing
EXL / EX2 / EX3 Deburring (EXL)	✓	✓		
EXL Pro Deburring (EXL PRO)	✓			
Metal Finishing (MF)		✓	✓	
Cut and Polish (CP)		✓	✓	✓
Multi-Finishing (MU)		✓	✓	
Light Deburring (LDW)			✓	✓

Recommended Operating Speeds

Application	SFPM
Finishing	500 – 3,000
Composites / Soft Materials	1,200 – 2,700
Deburring	5,000 – 7,500
Blending / Polishing	6,000 – 8,000

SFPM = Surface Feet Per Minute

Maximum Operating Speeds

Diameter	RPM
4"	9,000
6"	6,000
8"	4,500
10"	3,600
12"	3,000
14"	2,550
16"	2,250
18"	2,000
20"	1,800
24"	1,500

Abrasive Wheel Systems

Scotch-Brite™ Convolute Wheels

Scotch-Brite™ EXL Pro Deburring Wheels

- Wheel design achieves 30 – 50% longer life than the original EXL wheel
- Exceptional cut and longevity, with less pressure — without sacrificing finish
- Consistent, optimal results particularly in off-hand operations
- Soft and smooth with even wear to help control the workpiece



3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7100050505	6" x 1/2" x 1"	9S FIN	6,000	4
7100050300	6" x 1/2" x 1"	10S FIN	6,000	4
7100023492	6" x 1" x 1"	9S FIN	6,000	3
7100023491	6" x 1" x 1"	10S FIN	6,000	3
7010366996	8" x 1/2" x 3"	9S FIN	4,500	4
7100062983	8" x 1/2" x 3"	10S FIN	4,500	4
7100042695	8" x 1" x 3"	9S FIN	4,500	3
7100046809	8" x 1" x 3"	10S FIN	4,500	3
7010300990	12" x 1" x 5"	9S FIN	3,000	1
7100055440	12" x 1" x 5"	10S FIN	3,000	1
7100023493	12" x 2" x 5"	9S FIN	3,000	1

Other sizes available in 9 and 10 densities.

Scotch-Brite™ EXL, EX2 and EX3 Deburring Wheels

- Versatile wheel offers reliable performance and great value
- Full line of densities, grades and sizes for any deburring or finishing application
- Use to clean, finish, blend, deburr or polish all types of metals and composites



3M ID	Size (Inch)	Grade	Max RPM	Qty/Case
EXL				
7000046060	6" x 1/2" x 1"	8A MED	6,000	4
7000136514	6" x 1/2" x 1"	8S FIN	6,000	4
7000046069	6" x 1/2" x 1"	9S FIN	6,000	4
7000000734	6" x 1" x 1"	8A MED	6,000	3
7000028482	6" x 1" x 1"	8S MED	6,000	3
7000000736	6" x 1" x 1"	8S FIN	6,000	3
7000000737	6" x 1" x 1"	9S FIN	6,000	3
7000120909	6" x 2" x 1"	8A MED	6,000	2
7000046070	6" x 2" x 1"	9S FIN	6,000	2
7000046064	8" x 3/8" x 3"	8S FIN	4,500	4
7000046061	8" x 1/2" x 3"	8A MED	4,500	4
7000046065	8" x 1/2" x 3"	8S FIN	4,500	4
7000046071	8" x 1/2" x 3"	9S MED	4,500	4
7000000735	8" x 1" x 3"	8A MED	4,500	3
7000120912	8" x 1" x 3"	8S MED	4,500	3
7100002691	8" x 1" x 3"	8S FIN	4,500	3
7000000738	8" x 1" x 3"	9S FIN	4,500	3
7000046062	8" x 2" x 3"	8A MED	4,500	2
7100003576	8" x 2" x 3"	8S FIN	4,500	2
7000136515	8" x 2" x 3"	9S MED	4,500	2

Scotch-Brite™ EXL, EX2 and EX3 Deburring Wheels (cont)

3M ID	Size (Inch)	Grade	Max RPM	Qty/Case
EXL (cont)				
7000046072	10" x 1" x 5"	9S FIN	3,600	2
7000046066	12" x 1/2" x 5"	8S FIN	3,000	2
7100075901	12" x 1/2" x 5"	9S FIN	3,000	2
7000046063	12" x 1" x 5"	8A MED	3,000	1
7010329449	12" x 1" x 5"	8S MED	3,000	1
7000046067	12" x 1" x 5"	8S FIN	3,000	1
7000046073	12" x 1" x 5"	9S FIN	3,000	1
7000028481	12" x 2" x 5"	8A MED	3,000	1
7000148257	12" x 2" x 5"	8S FIN	3,000	1
7000046074	12" x 2" x 5"	9S FIN	3,000	1
7100027653	14" x 2" x 8"	8A MED	2,550	1
7000046075	14" x 2" x 8"	9S FIN	2,550	1
EX2				
7000120914	6" x 1/2" x 1"	8A MED	6,000	4
7010329406	6" x 1/2" x 1"	8S MED	6,000	4
7010309813	6" x 1/2" x 1"	8S FIN	6,000	4
7010366407	6" x 1/2" x 1"	9S FIN	6,000	4
7000120915	6" x 1" x 1"	8A MED	6,000	3
7100066551	6" x 1" x 1"	8S MED	6,000	3
7000120917	6" x 1" x 1"	8S FIN	6,000	3
7000046077	6" x 1" x 1"	9S FIN	6,000	3
7010329450	8" x 1/2" x 3"	8A MED	4,500	4
7100089708	8" x 1/2" x 3"	8S FIN	4,500	4
7000120916	8" x 1" x 3"	8A MED	4,500	3
7000046076	8" x 1" x 3"	8S FIN	4,500	3
7000046078	8" x 1" x 3"	9S FIN	4,500	3
7010366023†	12" x 1" x 5"	8A MED	3,000	1
7010329452	12" x 1" x 5"	8S FIN	3,000	1
EX3				
7010365081	6" x 1/2" x 1"	9S FIN	6,000	4
7000120928	6" x 1" x 1"	9S FIN	6,000	3
7000046116	8" x 1" x 3"	9S FIN	4,500	3
7010364946	12" x 2" x 5"	9S FIN	3,000	1

†Made to Order

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

Scotch-Brite™ Convolute Wheels

Scotch-Brite™ Metal Finishing Wheels

- For decorative finishing and blending — designed to apply uniform and consistent satin, antique, mill and brushed finishes on metals
- Creates a consistent satin finish
- Good conformability
- Removes minor imperfections and handling marks



Density	Mineral	Grade	Dia. (Inch)	Width (Inch)
4, 5, 6	A/O	MED, CRS	4–24	0.5–36"

3M ID	Size (Inch)	Grade	Max RPM	Qty/Case
7010309607†	6" x 1/2" x 1"	6A CRS	6,000	4
7010329043†	6" x 1/2" x 1"	5A MED	6,000	4
7010365657	6" x 1" x 1"	4A CRS	6,000	3
7100042616	6" x 1" x 1"	5A CRS	6,000	3
7100111501	6" x 1" x 1"	6A CRS	6,000	3
7000120596	6" x 1" x 1"	4A MED	6,000	3
7100003943	6" x 1" x 1"	5A MED	6,000	3
7010365658	6" x 1" x 1"	6A MED	6,000	3
7010366615†	6" x 1" x 1-1/4"	5A CRS	6,000	3
7010365088†	6" x 1" x 1-1/4"	5A MED	6,000	3
7000028438	6" x 2" x 1"	4A CRS	6,000	2
7100111497	6" x 2" x 1"	5A CRS	6,000	2
7010365661†	6" x 2" x 1"	6A CRS	6,000	2
7010365659	6" x 2" x 1"	4A MED	6,000	2
7000045890	6" x 2" x 1"	5A MED	6,000	2
7010292390†	6" x 2" x 1"	6A MED	6,000	2
7010329073†	6" x 2" x 1"	4A CRS	6,000	1
7010365672†	6" x 4" x 1"	4A MED	6,000	1
7010309342†	8" x 1/2" x 3"	5A MED	4,500	4
7010309614†	8" x 1" x 3"	4A CRS	4,500	3
7000045989	8" x 1" x 3"	5A CRS	4,500	3
7010329802†	8" x 1" x 3"	6A CRS	4,500	3
7010309629†	8" x 1" x 3"	4A MED	4,500	3
7100000490	8" x 1" x 3"	5A MED	4,500	3
7010309595†	8" x 1" x 3"	6A MED	4,500	3
7000045991	8" x 2" x 3"	4A CRS	4,500	2
7010366066	8" x 2" x 3"	5A CRS	4,500	2
7010366069†	8" x 2" x 3"	6A CRS	4,500	2
7000045990	8" x 2" x 3"	4A MED	4,500	2
7100067216	8" x 2" x 3"	5A MED	4,500	2
7000045891	8" x 2" x 3"	6A MED	4,500	2
7010329224†	8" x 3" x 3"	5A CRS	4,500	1
7010365615†	8" x 3" x 3"	5A MED	4,500	1
7000046117	8" x 3" x 3"	6A MED	4,500	1
7100000580†	12" x 1/2" x 5"	5A MED	3,000	2
7010329074†	12" x 1" x 5"	5A CRS	3,000	1
7010364525†	12" x 1" x 5"	6A CRS	3,000	1
7010365663	12" x 1" x 5"	5A MED	3,000	1
7010364327†	12" x 1" x 5"	6A MED	3,000	1
7010329213†	12" x 1-1/2" x 5"	5A MED	3,000	1

†Made to Order

Scotch-Brite™ Metal Finishing Wheels (cont)

3M ID	Size (Inch)	Grade	Max RPM	Qty/Case
7010364488†	12" x 2" x 5"	4A CRS	3,000	1
7010364521	12" x 2" x 5"	5A CRS	3,000	1
7010329687†	12" x 2" x 5"	6A CRS	3,000	1
7010364319†	12" x 2" x 5"	4A MED	3,000	1
7000045892	12" x 2" x 5"	5A MED	3,000	1
7010364332†	12" x 3" x 5"	5A CRS	3,000	1
7010365174†	12" x 3" x 5"	4A MED	3,000	1
7100022119†	12" x 3" x 5"	5A MED	3,000	1
7010364494†	12" x 4" x 5"	5A CRS	3,000	1
7010365609†	12" x 4" x 5"	5A MED	3,000	1

†Made to Order

Scotch-Brite™ Multi-Finishing Wheels

- For decorative, satin finishing, blending and cleaning of all metals
- Often used on inline sanding tools for large surface repair
- Produces a bright finish with a wide scratch pattern
- Optimum conformability



Density	Mineral	Grade	Dia. (Inch)	Width (Inch)
2, 3, 4	SiC	FIN, MED, CRS	4–24	0.5–36"

3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000136469	6" x 1" x 1"	2S MED	6,000	3
7000136471	6" x 1" x 1"	2S FIN	6,000	3
7000045921	6" x 2" x 1"	2S CRS	6,000	2
7000045922	6" x 2" x 1"	2S MED	6,000	2
7000028446	6" x 2" x 1"	2S FIN	6,000	2
7000120807	8" x 1" x 3"	2S MED	4,500	3
7000120808	8" x 1" x 3"	2S FIN	4,500	3
7000120809	8" x 2" x 3"	2S CRS	4,500	2
7000120810	8" x 2" x 3"	2S MED	4,500	2

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

Abrasive Wheel Systems

Scotch-Brite™ Convolute Wheels

Scotch-Brite™ Cut and Polish Wheels

- For aggressive finishing and blending applications
- Good for defect removal or heavy scratch blending
- Produces a dull finish with a tight scratch pattern
- Harder than other finishing wheels



Density	Mineral	Grade	Dia. (Inch)	Width (Inch)
5, 7	A/O	VFN, FIN, MED, CRS	4-24	0.5"-36"

3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000120584	6" x 1/2" x 1"	7A CRS	6,000	4
7000045894	6" x 1/2" x 1"	7A MED	6,000	4
7100050403	6" x 1/2" x 1"	5A FIN	6,000	4
7010309790	6" x 1/2" x 1"	7A FIN	6,000	4
7000028472	6" x 1" x 1"	7A CRS	6,000	3
7000011912	6" x 1" x 1"	7A MED	5,000	3
7100009186	6" x 1" x 1"	5A FIN	6,000	3
7000045987	6" x 1" x 1"	7A FIN	5,000	3
7010328769	6" x 1" x 1"	7A VFN	6,000	3
7000144146	6" x 2" x 1"	7A CRS	6,000	2
7010366060	6" x 2" x 1"	7A MED	6,000	2
7000120546	6" x 2" x 1"	5A FIN	6,000	2
7100063974	6" x 25" x 3"	7A MED	6,000	1
7010300842	8" x 1/2" x 3"	7A MED	4,500	4
7010364298	8" x 1" x 1-1/4"	5A FIN	4,500	3
7100024202	8" x 1" x 3"	7A CRS	4,500	3
7000045986	8" x 1" x 3"	7A MED	3,800	3
7000120812	8" x 1" x 3"	5A FIN	4,500	3
7000045988	8" x 1" x 3"	7A FIN	4,500	3
7010299248	8" x 1" x 3"	7A VFN	4,500	3
7010365168	8" x 1-1/2" x 1-1/4"	5A FIN	4,500	2
7010329014	8" x 1-1/2" x 3"	5A FIN	4,500	2
7010329002	8" x 2" x 1-1/4"	5A FIN	4,500	2
7010366059	8" x 2" x 3"	7A CRS	4,500	2
7000045985	8" x 2" x 3"	7A MED	4,500	2
7000045993	8" x 2" x 3"	5A FIN	4,500	2
7000045855	8" x 2" x 3"	7A FIN	4,500	2
7000045852	8" x 2" x 3"	7A VFN	4,500	2
7010366594	8" x 2-1/2" x 3"	7A MED	4,500	1
7010329654	8" x 4" x 3"	7A CRS	4,500	1
7010365621	8" x 7" x 3"	7A FIN	4,500	1
7000045954	8" x 24" x 3"	5A FIN	4,500	1
7000045924	8" x 25" x 3"	7A CRS	4,500	1
7000000768	8" x 25" x 3"	7A MED	4,500	1
7000045968	8" x 25" x 3"	5A FIN	4,500	1

Scotch-Brite™ Cut and Polish Wheels (cont)

3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7010329021	12" x 1/2" x 5"	7A MED	3,000	2
7010365622	12" x 1/2" x 5"	5A FIN	3,000	2
7010364171	12" x 1" x 5"	7A MED	3,000	1
7010309294	12" x 1" x 5"	5A FIN	3,000	1
7010365599	12" x 1-1/2" x 5"	5A FIN	3,000	1
7010364169	12" x 2" x 5"	7A CRS	3,000	1
7000045848	12" x 2" x 5"	7A MED	3,000	1
7010365888	12" x 2" x 5"	5A FIN	3,000	1
7010328988	12" x 2" x 5"	7A VFN	3,000	1
7000120552	12" x 3" x 5"	7A MED	3,000	1
7000120594	12" x 3" x 5"	5A FIN	3,000	1

Scotch-Brite™ Light Deburring Wheel

- For finishing applications; can also be used for light deburring
- Produces a bright and consistent finish with tight scratch pattern
- Soft and conformable



Density	Mineral	Grade	Dia. (Inch)	Width (Inch)
6, 7, 8	SiC	FIN	4-24	0.5"-36"

3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000120904	6" x 1/2" x 1"	6S FIN	6,000	4
7000046050	6" x 1/2" x 1"	7S FIN	6,000	4
7000046057	6" x 1/2" x 1"	8S FIN	6,000	4
7000046045	6" x 1" x 1"	6S FIN	6,000	3
7000000730	6" x 1" x 1"	7S FIN	6,000	3
7000000731	6" x 1" x 1"	8S FIN	6,000	3
7100095035	6" x 2" x 1"	7S FIN	6,000	2
7000046051	8" x 1/2" x 3"	7S FIN	4,500	4
7000000732	8" x 1/2" x 3"	8S FIN	4,500	4
7000046046	8" x 1" x 3"	6S FIN	4,500	3
7100009616	8" x 1" x 3"	7S FIN	4,500	3
7000000733	8" x 1" x 3"	8S FIN	4,500	3
7100010164	8" x 2" x 3"	7S FIN	4,500	2
7000046052	10" x 1" x 5"	7S FIN	3,600	2
7100048541	12" x 1/2" x 5"	7S FIN	3,000	2
7000046047	12" x 1" x 5"	6S FIN	3,000	1
7000046054	12" x 1" x 5"	7S FIN	3,000	1
7000120908	12" x 1" x 5"	8S FIN	3,000	1
7000046048	12" x 2" x 5"	6S FIN	3,000	1
7000046055	12" x 2" x 5"	7S FIN	3,000	1
7000046059	12" x 2" x 5"	8S FIN	3,000	1
7000120905	12" x 3" x 5"	7S FIN	3,000	1
7010309368	16" x 2" x 10"	7S FIN	2,250	1

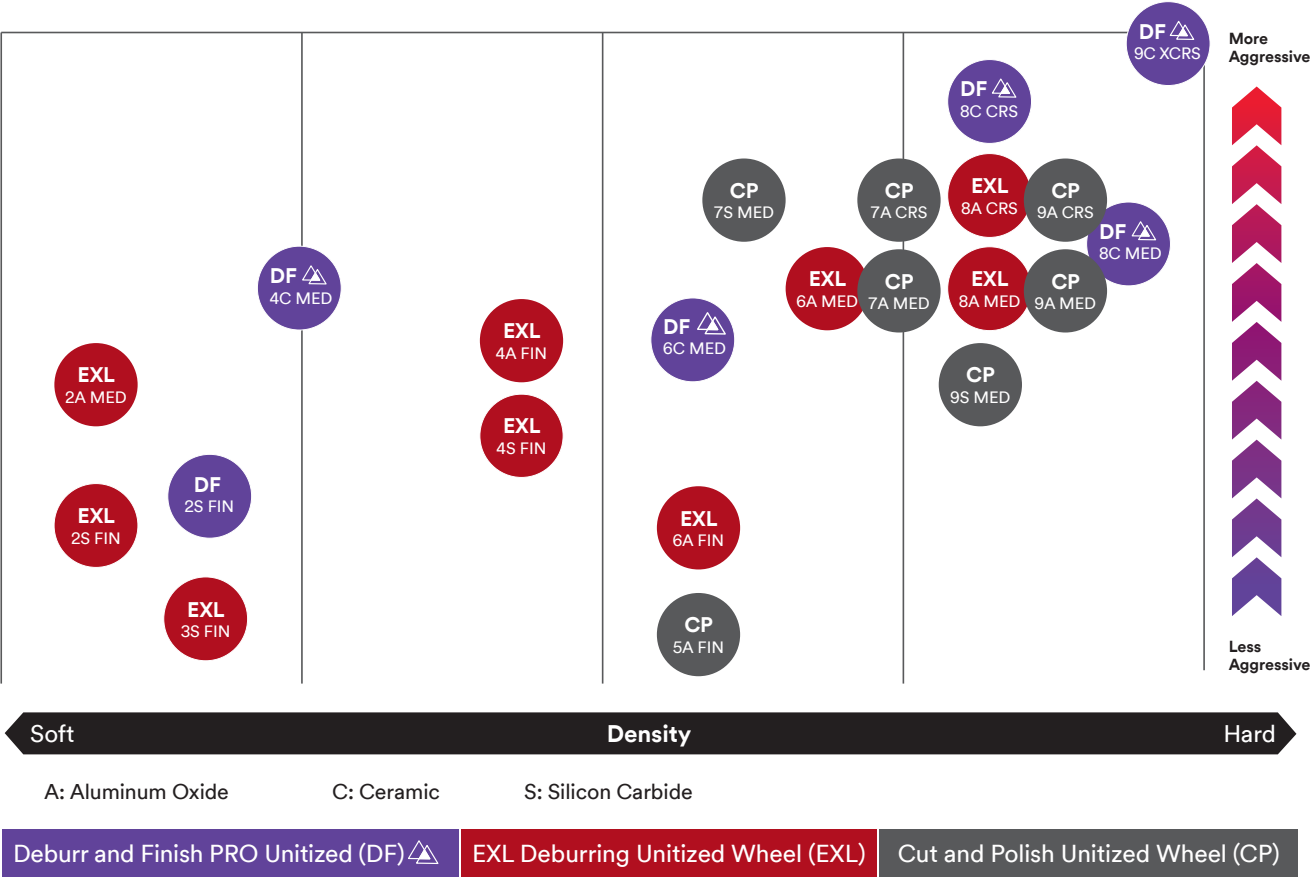
Attention: Wheels are available in other grades and sizes. If you need a specific wheel not listed, contact your 3M Sales Specialist or 3M Authorized Distributor.

Scotch-Brite™ Unitized Wheels

Get high performance and durability in a variety of cleaning, deburring, finishing and polishing applications. Used on die grinders and angle grinders, Scotch-Brite™ Wheels produce great results on all types of metal and composites.

High Performance and Durability

Scotch-Brite™ Unitized Wheels are stacked, compressed layers of nonwoven web designed to bring abrasive to the part. Performance differences between unitized wheels can be attributed to mineral (aggressiveness) and density (hardness). The combination of these two characteristics and subtle variations determine if the wheel will cut more aggressively or will be more durable and less conformable.



Scotch-Brite™ Unitized Wheel	Application			
	Deburring	Blending	Finishing	Polishing
EXL Deburring (EXL)	•	•	•	•
Deburr & Finish PRO (DF)	•	•	•	•
Cut & Polish (CP)	•	•	•	•

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

Scotch-Brite™ Unitized Wheels

Scotch-Brite™ Roloc™ Deburr & Finish PRO Unitized Wheel

- Ideal for both manufacturing use and for maintenance operations
- Soft to reduce defects, yet also tough, for fewer wheel changeouts
- Faster burr removal and longer life than other Scotch-Brite™ wheels
- Minimal dust and debris for a cleaner work environment



3M ID	Size (Dia x W x Thk x Ctr Hole)	Max RPM	Density	Grade	Qty/ Case
7100081368	2" x 1/8" x NH	22,100	6C	MED+	60
7010365721	2" x 1/4" x NH	22,100	2S	FIN	60
7100086108	2" x 1/4" x NH	22,100	4C	MED+	60
7100109131	2" x 1/4" x NH	18,100	8C	CRS+	60
7100081367	2" x 1/4" x NH	22,100	6C	MED+	60
7100290649	2" x 1/4" x NH	15,100	9C	XCRS+	60
7100081366	3" x 1/8" x NH	15,100	6C	MED+	40
7100109130	3" x 1/8" x NH	15,100	8C	CRS+	40
7010329346	3" x 1/4" x NH	15,100	2S	FIN	40
7010295274	3" x 1/4" x NH	15,100	4C	MED+	40
7100081365	3" x 1/4" x NH	15,100	6C	MED+	40
7100109110	3" x 1/4" x NH	15,100	8C	CRS+	40
7100291543	3" x 1/4" x NH	15,100	9C	XCRS+	40

Additional grades available.

Make it a winning combination!

Pair this product with the 3M™ Cubitron™ 3 Cut-Off Wheel to quickly remove small-medium burrs.



Winning Combinations

Find the product information on p. 18

Scotch-Brite™ Deburr & Finish PRO Unitized Wheel

- Unitized construction enhances abrasive durability and strength, helping prolong service life
- 3M Precision-Shaped Grain is engineered to cut fast and sharp, enabling quicker burr removal
- Minimal dust and debris for a cleaner work environment
- Perfect for moderate to heavy deburring



3M ID	Dia x W x Hole	Max RPM	Den	Grade	Qty/ Case
7100143413	1" x 1" x 3/16"	30,100	2S	FIN	50
7100083512	1" x 1" x 3/16"	35,100	6C	MED+	50
7100053413	2" x 1/8" x 1/4"	22,100	6C	MED+	60
7100143403	2" x 1/4" x 1/4"	16,100	2S	FIN	60
7100053414	2" x 1/4" x 1/4"	22,100	6C	MED+	60
7100143461	2" x 1/2" x 1/4"	16,100	2S	FIN	30
7100053415	2" x 1/2" x 1/4"	22,100	6C	MED+	30
7100143462	2" x 3/4" x 1/4"	16,100	2S	FIN	20
7100053416	2" x 3/4" x 1/4"	22,100	6C	MED+	20
7100053417	2" x 1" x 1/4"	22,100	6C	MED+	10

Scotch-Brite™ Deburr and Finish PRO Unitized Wheel (cont)

3M ID	Dia x W x Hole	Density	Grade	Max RPM	Qty/ Case
7100053418	3" x 1/8" x 1/4"	6C	MED+	18,100	40
7100143465	3" x 1/4" x 1/4"	2S	FIN	12,100	40
7010365693	3" x 1/4" x 1/4"	4C	MED+	18,100	40
7100053419	3" x 1/4" x 1/4"	6C	MED+	18,100	40
7100143467	3" x 1/2" x 1/4"	2S	FIN	10,000	20
7010310029	3" x 1/2" x 1/4"	4C	MED+	18,100	20
7100053420	3" x 1/2" x 1/4"	6C	MED+	18,100	20
7100143463	3" x 3/4" x 1/4"	2S	FIN	10,000	20
7100053421	3" x 3/4" x 1/4"	6C	MED+	15,100	20
7100143466	3" x 1" x 1/4"	2S	FIN	10,000	10
7100053422	3" x 1" x 1/4"	6C	MED+	15,100	10
7010365692	4" x 1" x 1/4"	6C	MED+	12,100	5
7100143460	6" x 1/2" x 1"	2S	FIN	5,000	4
7100143476	6" x 1" x 1"	2S	FIN	5,000	2

Typical use: on backstand or bench motor

7100110913	1" x 1" x 3/16"	8C	CRS+	35,100	50
7100110967	2" x 1/8" x 1/4"	8C	CRS+	22,100	60
7100110916	2" x 1/4" x 1/4"	8C	CRS+	22,100	60
7100111235	2" x 1/2" x 1/4"	8C	CRS+	22,100	30
7100105584	2" x 3/4" x 1/4"	8C	CRS+	22,100	20
7100105326	3" x 1/8" x 1/4"	8C	CRS+	18,100	40
7100105529	3" x 1/4" x 1/4"	8C	CRS+	18,100	10
7100105530	3" x 1/2" x 1/4"	8C	CRS+	15,100	20
7100110912	3" x 1/2" x 3/8"	8C	CRS+	15,100	20
7010329496	3" x 3/4" x 1/4"	8C	CRS+	15,100	20
7100105568	3" x 1" x 1/4"	8C	CRS+	15,100	10
7010329876	5" x 1/4" x 1/4"	6C	MED+	9,000	10
7010295273	5" x 1/2" x 1/4"	6C	MED+	9,000	5
7100088615	6" x 1/8" x 1"	6C	MED+	7,500	16
7100088614	6" x 1/4" x 1"	6C	MED+	7,500	8
7100088613	6" x 1/2" x 1/2"	6C	MED+	7,500	4
7010310025	6" x 1/2" x 1"	6C	MED+	7,500	4
7100110911	6" x 1/2" x 1"	8C	CRS+	7,500	4
7100088655	6" x 1" x 1/2"	6C	MED+	7,500	2
7100066553	6" x 1" x 1"	6C	MED+	7,500	2
7100111228	6" x 1" x 1"	8C	CRS+	7,500	2

Additional grades available.

Technology

3M Precision-Shaped Grain Nonwoven Technology

Scotch-Brite™ Deburr and Finish PRO Unitized Wheels combine 3M Precision-Shaped Grain with our nonwoven technology, so you get a wheel that's soft enough to reduce defects but wears like iron without sacrificing the smooth feel and control you expect from Scotch-Brite™ Wheels.



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

Scotch-Brite™ Unitized Wheels

Scotch-Brite™ EXL Unitized Deburring Wheels

- Strong and efficient for deburring and polishing of all metals
- Excellent in resisting smearing and minimizing heat buildup on the work piece
- Conformable wheel in a variety of densities and grades for maximum cut and durability



3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000000723	1" x 1/8" x 1/8"	8A CRS	35,100	100
7000000724	1" x 1/8" x 1/8"	6A MED	35,100	100
7000000722	1" x 1/4" x 1/8"	2S FIN	35,100	100
7000045926	1" x 1" x 3/16"	8A CRS	35,100	50
7000021281	1" x 1" x 3/16"	2A MED	35,100	50
7100001140	1" x 1" x 3/16"	6A MED	35,100	100
7000148249	1" x 1" x 3/16"	8A MED	35,100	50
7000000690	1" x 1" x 3/16"	2S FIN	35,100	50
7000045948	1-1/2" x 1/8" x 3/16"	8A CRS	30,100	80
7100063701	1-1/2" x 1/8" x 3/16"	6A MED	30,100	80
7000000691	1-1/2" x 1/4" x 1/8"	2S FIN	30,100	80
7000120707	1-1/2" x 1/4" x 3/16"	2S FIN	30,100	80
7000045947	2" x 1/8" x 3/16"	8A CRS	22,100	60
7000000705	2" x 1/8" x 3/16"	6A MED	22,100	60
7000120676	2" x 1/4" x 1/8"	2S FIN	16,100	60
7000000706	2" x 1/4" x 3/16"	2S FIN	16,100	60
7000000693	2" x 1/4" x 1/4"	8A CRS	22,100	60
7000120740	2" x 1/4" x 1/4"	2A MED	16,100	60
7000000696	2" x 1/4" x 1/4"	2S FIN	16,100	60
7000000721	2" x 1/2" x 1/4"	2S FIN	16,100	30
7000120739	3" x 1/8" x 1/4"	8A MED	18,100	40
7000028450	3" x 1/4" x 1/4"	8A CRS	18,100	40
7000028457	3" x 1/4" x 1/4"	2A MED	12,100	40
7000045935	3" x 1/4" x 1/4"	6A MED	18,100	40
7000045929	3" x 1/4" x 1/4"	8A MED	18,100	40
7000000692	3" x 1/4" x 1/4"	2S FIN	12,100	40
7000120681	3" x 1/4" x 3/8"	8A CRS	18,100	40
7000120761	3" x 1/4" x 3/8"	2A MED	12,100	40
7000000703	3" x 1/4" x 3/8"	6A MED	18,100	40
7000000700	3" x 1/4" x 3/8"	8A MED	18,100	40
7000000699	3" x 1/4" x 3/8"	2S FIN	12,100	40
7000028453	3" x 1/4" x 3/8"	4A FIN	18,100	40
7000120708	3" x 1/4" x 3/8"	6S FIN	18,100	40
7010365791	3" x 1/2" x 1/4"	8A CRS	15,100	20
7000045949	3" x 1/2" x 1/4"	2A MED	10,000	20
7000045925	3" x 1/2" x 1/4"	2S FIN	10,000	20
7000046025	3" x 3/4" x 1/4"	2S FIN	10,000	10
7000120677	4" x 1/4" x 1/4"	2S FIN	8,500	20

Scotch-Brite™ EXL Unitized Deburring Wheels (cont)

3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000000712	6" x 1/4" x 1/2"	2A MED	4,500	8
7000028449	6" x 1/4" x 1/2"	2S FIN	5,000	8
7000120982	6" x 1/4" x 3/4"	2S FIN	5,000	8
7000046028	6" x 1/2" x 1/2"	2A MED	4,500	4
7000028478	6" x 1/2" x 1/2"	2S FIN	5,000	4
7100106744	6" x 1/2" x 5/8"	2S FIN	5,000	4
7000000725	6" x 1/2" x 1"	2A MED	4,500	4
7000046027	6" x 1/2" x 1"	2S FIN	5,000	4
7000046026	6" x 1" x 1/2"	2S FIN	5,000	2
7000028480	6" x 1" x 1"	2A MED	4,500	2
7000028479	6" x 1" x 1"	2S FIN	5,000	2
7100030739	8" x 1/4" x 1/2"	2S FIN	4,000	8
7000000708	8" x 1/2" x 1/2"	2S FIN	4,000	4
7000028459	8" x 1/2" x 3/4"	2S FIN	4,000	4
7000120747	12" x 1/2" x 1-1/4"	2S FIN	2,600	2

Scotch-Brite™ Cut and Polish Unitized Wheel

- Wheel construction offers durability and long life
- Excellent for aggressive heavy duty blending and finishing with uniform results
- Good replacement for rubber bonded wheels and small set-up wheels



3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
7000120544	1" x 1" x 3/16"	7A CRS	35,100	50
7000045846	1" x 1" x 3/16"	7A MED	35,100	50
7000046305	1" x 1" x 3/16"	5A FIN	35,100	50
7100099610	2" x 1/8" x 1/8"	7A MED	22,100	60
7000028427	2" x 1/8" x 1/4"	7A MED	22,100	60
7100063702	2" x 1/4" x 1/4"	7A CRS	22,100	60
7000045850	2" x 1/4" x 1/4"	7A MED	22,100	60
7000046306	2" x 1/4" x 1/4"	5A FIN	22,100	60
7000028477	2" x 1/2" x 1/4"	7A MED	20,100	30
7000045875	3" x 1/8" x 1/4"	7A MED	18,100	40
7000045845	3" x 1/4" x 1/4"	7A CRS	18,100	40
7000045847	3" x 1/4" x 1/4"	7A MED	18,100	40
7100001111	3" x 1/4" x 1/4"	5A FIN	18,100	40
7010364528	3" x 1/4" x 3/8"	5A FIN	18,100	40
7000120543	3" x 1/2" x 1/4"	7A MED	15,100	20
7000046304	3" x 1/2" x 1/4"	5A FIN	15,100	20
7000120553	3" x 1/2" x 3/8"	7A MED	15,100	20
7010329078	3" x 1/2" x 3/8"	5A FIN	15,100	20
7010364917	3" x 3/4" x 3/8"	7A MED	15,100	10
7010364290	3" x 1" x 1/4"	7A MED	15,100	10
7000000650	4" x 1/4" x 1/4"	5A FIN	12,100	20
7010364174	6" x 1/4" x 1/2"	5A FIN	7,500	8

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

Abrasive Wheel Systems

3M™ Flap Wheels

Coated Abrasive flap wheels are the ideal choice for light grinding, blending, graining and scale removal on a variety of metals. The abrasive flaps offer a long lasting supply of fresh abrasives and a load resistant design. Available in both flange mounted and spindle mounted constructions with general purpose aluminum oxide or high performing 3M ceramic aluminum oxide blend abrasive grain.

3M™ Spindle Mounted Flap Wheel Selection Guide

Product	Mineral	Grade	Performance	Stainless Steel	Carbon Steel
747D	Ceramic Aluminum Oxide Blend	36–150	Advanced	■	■
244D	Aluminum Oxide	60–120	Good		■



T83; 1/4" Straight



T84; 1/4–20 Threaded

3M™ Flap Wheels 741A

- 3M ceramic aluminum oxide blend abrasive grain on a durable X weight cloth backing
- Longer life and faster cut



3M ID	Dia x W x AH	Grade	Max RPM	Qty/Case
Flange Mounted				
7010365236	6" x 1" x 1"	50	6,100	5
7100086975	6" x 1" x 1"	60	6,100	5
7010309102	6" x 1" x 1"	80	6,100	5

3M™ Flap Wheels 741A can be Made-to-Order in these sizes:

Diameter	Arbor Hole
> 3" – 4-1/2"	5/8"
> 4-1/2" – 6"	1"
> 6" – 8"	1" or 1-1/4"
> 8" – 10"	1-3/4" or 2"

3M™ Flap Wheels 244D T83 and T84

- Aluminum oxide
- General purpose flap wheel delivers consistent finish and uniform cut



3M ID	Dia x W x Shk	Grade	Max RPM	Qty/Case
T83; 1/4" Straight				
7100178247	1" x 1" x 1/4"	60	30,000	10
7100178231	1" x 1" x 1/4"	80	30,000	10
7100178246	1" x 1" x 1/4"	120	30,000	10
7100178229	2" x 1" x 1/4"	60	25,000	10
7100178228	2" x 1" x 1/4"	80	25,000	10
7100178226	2" x 1" x 1/4"	120	25,000	10
7100178227	3" x 1" x 1/4"	60	20,000	10
7100178243	3" x 1" x 1/4"	80	20,000	10
7100171772	3" x 1" x 1/4"	120	20,000	10
T84; 1/4–20 Threaded				
7100178245	1" x 1" x 1/4"–20 EXT	60	30,000	10
7100178244	1" x 1" x 1/4"–20 EXT	80	30,000	10
7100178032	1" x 1" x 1/4"–20 EXT	120	30,000	10
7100178230	2" x 1" x 1/4"–20 EXT	60	25,000	10
7100178214	2" x 1" x 1/4"–20 EXT	80	25,000	10
7100176128	3" x 1" x 1/4"–20 EXT	60	20,000	10
7100178225	3" x 1" x 1/4"–20 EXT	80	20,000	10

3M™ Flap Wheels 747D T83 and T84

- 3M ceramic aluminum oxide blend abrasive grain on a resin-bonded X weight cloth backing
- Includes a grinding aid for cooler running on stainless steel



3M ID	Dia x W x Shk	Grade	Max RPM	Qty/Case
T83				
7100138311	1" x 1" x 1/4"	60	30,000	10
7000000443	1" x 1" x 1/4"	80	30,000	10
7100138312	1" x 1" x 1/4"	120	30,000	10
7100044890	2" x 1" x 1/4"	60	25,000	10
7000000444	2" x 1" x 1/4"	80	25,000	10
7100138313	2" x 1" x 1/4"	120	25,000	10
7100031594	3" x 1" x 1/4"	60	20,000	10
7100138162	3" x 1" x 1/4"	80	20,000	10
7100033196	3" x 1" x 1/4"	120	20,000	10
T84				
7010300163	2" x 1" x 1/4"–20 EXT	60	25,000	10
7010308893	2" x 1" x 1/4"–20 EXT	80	25,000	10
7010327310	3" x 1" x 1/4"–20 EXT	60	20,000	10
7010363130	3" x 1" x 1/4"–20 EXT	80	20,000	10

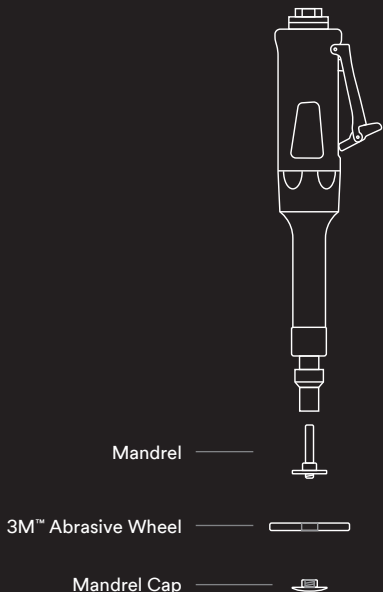
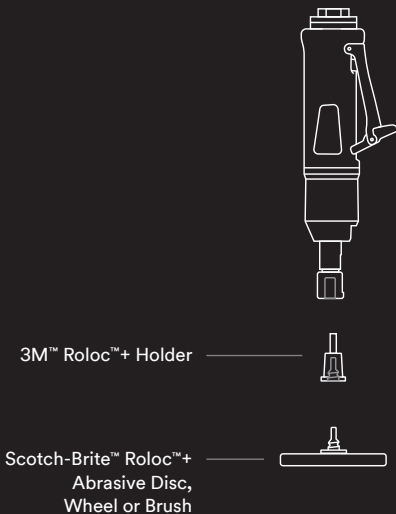
Attention: Wheels are available in other grades and sizes. If you need a specific wheel not listed, contact your 3M Sales Specialist or 3M Authorized Distributor.

3M™ Power Tools: Abrasive Wheel Systems

Features of 2nd Generation Die Grinders

Features of 2 nd Generation 0.3 HP and 0.5 HP Die Grinders	Features of 2 nd Generation 1 HP Die Grinders
Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power. 	Internal Feature: Kevlar reinforced vanes increase tool life and help to provide consistent power. 
1. Ergonomic black jacket dampens vibration and improves grip 2. Ergonomic safety lever 3. 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions 4. Shrouded clamp nut resists debris entry into tool	1. Fully machined steel motor housing provides strength and durability 2. Wrench flats and overhose interface allow easier maintenance and compatibility with accessories 3. Spindle shaft and housing o-ring seal minimize external containments from entering the tool 4. 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions

System Configurations:

Collet Attachment System	3M™ Roloc™+ System
 Mandrel 3M™ Abrasive Wheel Mandrel Cap	 3M™ Roloc™+ Holder Scotch-Brite™ Roloc™+ Abrasive Disc, Wheel or Brush

3M™ Power Tools: Abrasive Wheel Systems

3M™ Die Grinders: 0.3 HP (224 W)

- Ideal for light-duty applications such as deburring, blending, finishing and polishing in intricate and hard-to-reach areas
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100075513	28630	25,000	86 (98)	1.4 (0.6)	10 (248)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075512	28629	25,000	78 (90)	0.9 (0.4)	6 (152)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075511	28628	18,000	80 (92)	1.5 (0.7)	11 (267)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075510	28627	18,000	79 (91)	1.2 (0.5)	7 (184)	1 (35)	1/4" NPT	17 (481)	1/4"+

*Includes 1/8" collet insert (PN55772).

3M™ Die Grinders: 0.5 HP (372 W)

- Ideal for medium-duty applications such as polishing, buffing, shaping and deburring
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100075514	28330	18,000	87 (99)	1.1 (0.5)	7 (175)	3 (70)	1/4" NPT	26 (736)	1/4"
7100075201	28331	18,000*	87 (99)	1.5 (0.7)	11 (270)	3 (70)	1/4" NPT	26 (736)	1/4"
7100075515	28332	4,000	87 (99)	1.6 (0.7)	9 (200)	3 (70)	1/4" NPT	26 (736)	1/4"

*With extension.

3M™ Die Grinders: 1 HP (744 W)

- Excellent for big jobs such as weld or stock removal
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100109085	20237	20,000	86 (98)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	37 (1,048)	1/4**
7100106791	20238	18,000	89 (101)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	37 (1,048)	1/4**
7100142494	28770	18,000	84 (95)	3.0 (1.4)	13 (318)	3 (73)	3/8" NPT	37 (1,048)	1/4**
7100142323	20239	12,000	N/A	2.6 (1.2)	10 (254)	3 (81)	3/8" NPT	37 (1,048)	1/4**
7100142324	20240	8,000	N/A	2.6 (1.2)	10 (254)	3 (81)	3/8" NPT	37 (1,048)	1/4**

*Available in metric collet.

Collet Insert Availability for 3M™ Die Grinders

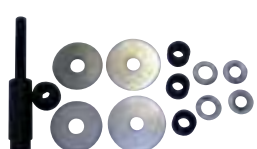


Tool Model	HP	RPM	Length	Collet Insert Size and Part Number								
				1/8" (06573)	1/8" (55772)	3/16" (06574)	1/4" (06575)	1/4" (55752)	3/8" (06545)	3 mm (06576)	6 mm (06577)	8 mm (06546)
28630	0.3	25,000	Extended		●			●				
28629	0.3	25,000	Regular		●			●				
28628	0.3	18,000	Extended		●			●				
28627	0.3	18,000	Regular		●			●				
28330	0.5	18,000	Regular	●		●	●		●	●	●	●
28331	0.5	18,000	Extended		●			●				
28332	0.5	4,000	Regular	●		●	●		●	●	●	●
20237	1	20,000	Regular	●		●	●		●	●	●	●
20238	1	18,000	Regular	●		●	●		●	●	●	●
28770	1	18,000	Extended	●		●	●		●	●	●	●
20239	1	12,000	Regular	●		●	●		●	●	●	●
20240	1	8,000	Regular	●		●	●		●	●	●	●

Accessories: Abrasive Wheel Systems

Product	3M ID	For Use With	Size/Description	Max RPM	Qty/Case
Mandrel 990 	7000028456	Scotch-Brite™ Unitized Wheels with 3/16" Center Hole	1-3/4" x 1/4" x 1"	25,100	5
Mandrel 936 	7000046309	Scotch-Brite™ Unitized Wheels with 3/8" Center Hole	2-1/16" x 1/4" x 3/4"	22,200	5
Unitized Wheel Mandrels 28848 	7100082547	2" or 3" OD, 1/4" thick unitized wheels with 1/4" diameter center hole	1-5/8" x 1/4" x 3/4" x 1/4"	18,100 (3") 22,100 (2")	5
	7100082546	2" or 3" OD, 1/8" thick unitized wheels with 1/4" diameter center hole	1-1/2" x 1/4" x 3/4" x 1/8"	18,100 (3") 22,100 (2")	5
28850 	7100082548	2" or 3" OD, 1/2" thick unitized wheels with 1/4" diameter center hole	1-7/8" x 1/4" x 3/4" x 1/2"	18,100 (3") 22,100 (2")	5
	7100082549	2" or 3" OD, 3/4" thick unitized wheels with 1/4" diameter center hole	2-1/8" x 1/4" x 3/4" x 3/4"	16,100 (3") 18,100 (2")	5
28838 	7100082550	2" or 3" OD, 1" thick unitized wheels with 1/4" diameter center hole	2-3/8" x 1/4" x 3/4" x 1"	16,100 (3") 18,100 (2")	5
	7100057402	3" OD, 1/8" to 1/2" thick, 1/4" diameter center hole deburr and finish unitized wheels	2-1/2" x 1/4 in x 1"	18,100	5
Flange Adapter Kit No. 5 	7000120785	6" Wheels; Telescoping wheel adapters 1" and 1/2" wide to reduce 1" wheel cores to fit 1/2", 5/8", 3/4", or 7/8" shafts; Must be used with side flanges	1" x 1/2" x 1/2"	N/A	1 Set
	7000144596		1" x 1" x 1/2"	N/A	1 set/bag 5 sets/case
Flange Nut 	7010298962	4" x 1/4" x 5/8" CH unitized wheels and depressed center grinding wheels	1" x 5/8" x 3/8"; 3/8–24 INT	N/A	1 set/bag 5 sets/case
	7010362552		1" x 1/8"; 5/8–11 INT	N/A	1 set/bag 5 sets/case
Wheel Adapter Kit No.3 	7000120535	Two arbor hole (plug type) adapters for 6" and 8" diameter flap wheels	1" OD x 1/2" ID	N/A	1
	7000120536		1" OD x 5/8" ID	N/A	1
	7010328366		1" OD x 3/4" ID	N/A	1
	7000148245		1" OD x 7/8" ID	N/A	1
Wheel Adapter Kit No. 81A 	7000120399	For T84 Flap Wheels	1/4" x 1/4–20 INT	N/A	1

Accessories: Abrasive Wheel Systems

Product	3M ID	For Use With	Size/Description	Max RPM	Qty/Case
Mandrel 933 	7000045934	Furnished complete with washers to fit available wheel sizes; Fits 1/4" x 5/16" center holes	1/4" Shaft Diameter; 2" x 1/4" x 1"	14,000	5
Mandrel 934 	7000028562	Furnished complete with washers to fit available wheel sizes; Fits 1/2" center holes	1/2" Shaft Diameter; 3-1/16" x 1/4" x 2-1/2"	12,000	1
3M™ Wheel Adapter Kit 28419 	7010362498	3M™ Inline Sanders; Wheels with 1/2"-1" center holes	1/2-20 EXT x 5/8-11 INT	See MOS of wheel	1
3M™ Wheel Adapter Kit 45038 	7000028423	3M™ Inline Sanders; Wheels with 5/8"-1" center holes	5/8-11 EXT x 5/8-11 INT	See MOS of wheel	1
3M™ Spindle Extender Kit 	7000121185	3M™ Inline Sanders; Wheels with 5/8"-1" center holes	Part 300	See MOS of wheel	1

Contact Information

Large Diameter Wheel Flanges and Other Accessories are available and may be purchased directly through Contract Production Services/CPS. Please contact Contract Production Services/CPS directly to check availability and other specific information. Use the part number to identify and specify the desired item.

Contract Production Services/CPS

3230 Spruce Street
 Little Canada, MN 55117
 cpsmsp.com

Email: info@contactcps.com
 Phone: 612-843-3400
 Fax: 612-872-0189



► Inline Sanding Systems

Level Welds Quickly to Match Directional Mill Finishes

In three easy steps, using the 3M Finishing System, you can grind and blend welds to match your finish.

		Product
Step 1: Leveling the Weld		Premium 3M™ Cubitron™ 3 Fibre Disc 1187C
		Advanced 3M™ Cubitron™ 2 Fibre Disc 987C
		Advanced 3M™ Fibre Disc 787C
Step 2: Setting the Grain		Premium 3M™ Cubitron™ 2 Belt 947A
		Advanced 3M™ Belt 777F
Step 3: Final Finishing		Premium Scotch-Brite™ Surface Conditioning Belt A MED for a #4 finish, A CRS for a #3 finish
		Premium Scotch-Brite™ Match and Finish Flap Brush HS A CRS, A MED
Final: Blending and Touch-up Applications		Premium Scotch-Brite™ Hand Pad 7446 S MED

3M™ Belts and Scotch-Brite™ Belts and Brushes

3M™ Cubitron™ 2 Abrasive 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	W x L	Grade	Min/Case
7100093314	3-1/2" x 15-1/2"	60+	10/50
7100093313	3-1/2" x 15-1/2"	80+	10/50
7100050305	3-1/2" x 15-1/2"	120+	10/50

3M™ Cloth Belt 777F for Inline Sanders

- An abrasive belt for use with in-line drum sanders
- 3M™ Ceramic Aluminum Oxide blend abrasive grain for long-lasting performance
- Grinding aid for cooler cutting action



3M ID	Size	Grade	Qty/Case
7000118386	3-1/2" x 15-1/2"	60	50
7000118384	3-1/2" x 15-1/2"	80	50
7000118390	3-1/2" x 15-1/2"	P120	50

Scotch-Brite™ Surface Conditioning Belt for Inline Sanders

- Match and blend final finishes
- Run at low speeds to generate uniform, well-blended satin finishes
- 1 HP



3M ID	Size	Grade	Color	Qty/Case
7000120655	3" x 10-11/16"	A VFN	Blue	10
7000028433	3-1/2" x 15-1/2"	A CRS	Brown	10
7000028435	3-1/2" x 15-1/2"	A MED	Maroon	10
7000028436	3-1/2" x 15-1/2"	A VFN	Blue	10

Scotch-Brite™ Match and Finish Flap Brushes

- Match final finishes back into fabricated metals like stainless steel, aluminum, brass and others
- Conforms to most surface geometrics
- Easy to control
- Easy-thread on/off attachment
- Max RPM: 3,500 RPM



3M ID	D x W x CH	Grade	Color	Qty/Case
Flap Brushes				
7000121169	4-1/2" x 4" x 5/8-11	5A XCS	Black	2
7000121170	4-1/2" x 4" x 5/8-11	HS 7A CRS	Gold	2
7000121171	4-1/2" x 4" x 5/8-11	HS 7A MED	Purple	2
7000121166	4-1/2" x 4" x 5/8-11	5A MED	Maroon	2
7000121168	4-1/2" x 4" x 5/8-11	5S MED	Gray	2
7000121167	4-1/2" x 4" x 5/8-11	5A VFIN	Maroon	2
7000121169	4-1/2" x 2" x 5/8-11*	5A XCS	Black	2
7100085784	4-1/2" x 2" x 5/8-11*	5A MED	Maroon	2
7100063105	4-1/2" x 2" x 5/8-11*	5S MED	Gray	2

*Also available in 4-way keyway attachments.

3M™ Power Tools: Inline Sanding Systems

3M™ Inline Sander: 1 HP (744 W)

- Generate straight-line scratches for finishing stainless steel and other metals
- Can be used with inflatable or slotted wheel accessories and many other wheel products



3M ID	Model	Shaft Size	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Airflow Rate SCFM (LPM)
7100106789	28339	5/8"-11 EXT	3,500	90 (102)	3.3 (1.5)	9 (216)	3/8" NPT	37 (1,048)

3M™ Match and Finish Sander: 1 HP (744 W)

- Generate straight-line scratches for finishing stainless steel and other metals
- Front to back motion helps prevent curved scratches
- Easy to control for reduced start/stop marks
- Easy screw-on/screw-off attachments
- Design for use with Scotch-Brite™ Match and Finish Flap Brushes, 3M™ Abrasive Belts or Scotch-Brite™ Belts*



3M ID	Model	Shaft Size	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Airflow Rate SCFM (LPM)
7100142461	28659	5/8"-11 EXT	3,500	N/A	4.6 (2.1)	13.5 (343)	1/4" NPT	37 (1,048)

*To run belt products, 3M™ Expander Wheel (28718) and Adapter Kit (28719) are required.

Accessories: Inline Sanding Systems

Product	3M ID	For Use With	Size/Description	Max RPM	Qty/Case
For Inline Sander					
3M™ Rubber Slotted Expander Wheels 	7000028221	For use with belts 3-1/2" x 15-1/2" or 3" x 10-11/16"	5" x 3-1/2" 5/8" Arbor Hole	3,500	1
	7000028222		3-2/5" x 3" 5/8" Arbor Hole	3,500	1
	7100073953		3" x 3" x 5/8-11 IN	6,000	1
	7100030184		5" x 3-1/2" x 1" AH	3,500	1
3M™ Wheel Adapter Kit 45038 	7000028423	To mount wheels with 5/8"-1" center holes on 3M™ Inline Sanders	5/8-11 EXT x 5/8-11 INT	"See MOS of wheel"	1
3M™ Spindle Extender Kit 	7000121185	To mount wheels with 5/8"-1" center holes on 3M™ Inline Sanders	Part 300	"See MOS of wheel"	1
For 3M™ Match and Finish Sander					
3M™ Rubber Slotted Expander Wheel 	7100030184	Rubber slotted expander wheel for use with 3-1/2" x 15-1/2" belts	5" x 3-1/2" x 1" AH	3,500	1
3M™ Rubber Slotted Expander Adapter Kit 	7100050705	Inline sander, bench grinders, bench motors, benchtop tools	1" x 5/8-11 INT	3,500	1



**Helps reduce surface
prep time and offers
exceptional durability.**



► Hand Finishing

3M™ Abrasive Sheets

3M™ Utility Cloth Sheet and Roll Selection Guide

A good choice for all your utility sanding and general maintenance work. Can be torn and rolled without shelling.

Product ID	Mineral	Backing	Features	Performance	Blending	Finishing	Cleaning
314D	Premium Aluminum Oxide	Durable Cloth	Strong bonding system for shelling resistance	Good	●	●	●
211K	Aluminum Oxide	Flexible Utility Cloth	Use for all general maintenance work	Good		●	
011K	Aluminum Oxide	Flexible Utility Cloth	Closed Coat; General purpose use	Good	●	●	●

3M™ Wetordry™ Sheet Selection Guide

Still a favorite for their reduced clogging, long life and great finish. Good general use sheet for hand or machine sanding. Can be run wet or dry.

Product ID	Mineral	Backing	Blending	Finishing
431Q	Silicon Carbide	C weight paper	●	
		A weight paper		●

3M™ Paper Sheet Selection Guide

Conformable and versatile, 3M™ Paper sheets are used for hand or machine sanding. Various constructions available for use on wood, metal, paint, plastic and fiberglass.

Product ID	Mineral	Backing	Performance	Blending
346U	Aluminum Oxide	D weight paper	Good	●
336U	Aluminum Oxide	C weight paper	Good	●



Scotch-Brite™ Hand Pads

Scotch-Brite™ Hand Pads give you a fast, consistent scuff for everyday surface preparation. Ideal for cleaning parts and scuffing prior to staining and painting. Also a great alternative to steel wool — similar performance without the rusting or splintering.

Find your hand pad.

Use the selection guide below to find the right mineral, grit coarseness and finish for your application — including light duty cleaning, blending and finishing and every surface prep task in between.

START HERE	Durable Flex Most Flexible Option Flexible, durable gray hand pad. Long lasting, tear and load resistant for fast, consistent action without compromising finish.	7447 Trusted General Purpose Hand Pad Most popular general purpose hand pad. Dark maroon pad cleans, blends, finishes and deburrs.	Durable Flex Long Lasting — Specially Coated to Resist Loading Flexible, durable maroon hand pad. Long lasting, tear and load resistant for fast, consistent action without compromising finish.	7447 Pro Most Durable and Aggressive Long lasting maroon hand pad for uniform scratch. Specialty coated to resist loading.
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Full Portfolio	Less Aggressive / Finer Finish					More Aggressive / Coarser Finish				
	7445	7448	Durable Flex	7448 Pro	7447	Durable Flex	7447 Pro	8447	7446	7440
	F SFN*	S ULF	S ULF	S ULF	A VFN	A VFN	A VFN	A VFN	S MED	A MED
F = Flint ULF = Ultra Fine			S = Silicon Carbide VFN = Very Fine		A = Aluminum Oxide MED = Medium			SFN = Super Fine *Nepheline Syenite		

Tech Tip

Aluminum Oxide (A): A more durable mineral that performs in aggressive applications.
Silicon Carbide (S): A sharper mineral and is used for finer finishing applications.

Scotch-Brite™ Light Duty Cleansing Pad 7445

- Very mild abrasive for gentle cleaning
- Commonly used with liquid detergent
- Finer than steel wool grade 0000



3M ID	W x L	Grade	Color	Qty/Case
7000000727	6" x 9"	F SFN	White	60

Scotch-Brite™ Ultra Fine Hand Pad 7448

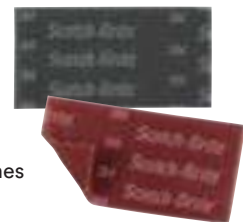
- Ultra fine consistent finishes on metals, woods, plastics and composites
- Performance similar to 0000



3M ID	W x L	Grade	Color	Qty/Case
7100089226	6" x 9"	S ULF	Gray	60

Scotch-Brite™ Durable Flex Hand Pads

- High performance pads are packed with tightly graded abrasive mineral for more consistent, fast cut
- Flexible pad cleans, blends and finishes where conformability is needed
- Ideal for prepping surfaces for primer and color coat, general scuffing, cleaning and hand blending
- S Ultra Fine (S ULF) produces a finish similar to steel wool grade 00
- A Very Fine (A VFN) produces a finish similar to steel wool grade 1

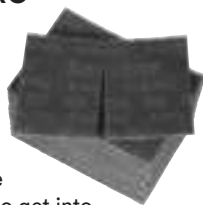


3M ID	W x L	Grade	Color	Qty/Case
7100042334	4 1/2" x 9"	A VFN	Maroon	100
7100042335	4 1/2" x 9"	S ULF	Gray	100

Scotch-Brite™ Hand Pads

Scotch-Brite™ Hand Pads 7448 PRO

- High performance pad takes less time to prep surface and lasts longer
- Tightly graded abrasive particles for consistent, uniform scratch throughout life of the hand pad
- New, long lasting pad made with durable nonwoven nylon web is flexible enough to get into hard-to-sand places; Specially coated to minimize loading
- Ideal for everyday uses like prepping surfaces for color coat; general scuffing, cleaning and hand blending
- Center-perforated to allow convenient tearing to half-size



3M ID	W x L	Grade	Color	Qty/Case
7100023340	6" x 9"	S ULF	Gray	60
7100033494	Trial Pack: Includes one each: 7447 PRO and 7448 PRO			

Scotch-Brite™ Hand Pads 7447 PRO

- High performance pad takes less time to prep surface and lasts longer
- Tightly graded abrasive particles for consistent, uniform scratch throughout life of the hand pad
- New, long lasting pad made with durable nonwoven nylon web is flexible enough to get into hard-to-sand places; Specially coated to minimize loading
- Ideal for everyday uses like prepping surfaces for color coat; general scuffing, cleaning and hand blending
- Center perforated for convenience



3M ID	W x L	Grade	Color	Qty/Case
7100023339	6" x 9"	A VFN	Maroon	60
7100033494	Trial Pack: Includes one each: 7447 PRO and 7448 PRO			

Scotch-Brite™ General Purpose Hand Pad 7447

- Worldwide standard for surface conditioning
- Clean, blend, finish and deburr faster, easier, and with better results than conventional abrasives
- Performance similar to steel wool grades 00 to 000



3M ID	W x L	Grade	Color	Qty/Case
7000000728	6" x 9"	A VFN	Maroon	60

Scotch-Brite™ Production Hand Pad 8447

- High cut for paint prep, blending and scuffing
- Long life performance on aluminum, stainless steel, plastics, wood and fiberglass
- Performance similar to steel wool grade 2



3M ID	W x L	Grade	Color	Qty/Case
7000120942	6" x 9"	A VFN	Maroon	60

Scotch-Brite™ Blending Hand Pad 7446

- Specially designed for hand blending and finishing stainless steel
- Mineral coarseness blends surface scratches on many metals, wood and synthetic surfaces
- Performance similar to steel wool grade 3



3M ID	W x L	Grade	Color	Qty/Case
7100082599	6" x 9"	S MED	Gray	40

Scotch-Brite™ Heavy Duty Hand Pad 7440

- Most durable and aggressive pad for quick stock removal
- Cuts fast to remove contaminants and oxides in demanding cleaning and finishing applications
- Performance similar to steel wool grade 4



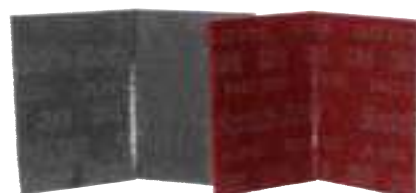
3M ID	W x L	Grade	Color	Qty/Case
7100080459	6" x 9"	A MED	Tan	40
7000000715	6" x 9"	A MED	Tan	40

Make it a winning combination!

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



Scotch-Brite™ Hand Pad Trial Pack



Scotch-Brite™ Hand Pad Trial Pack 7447 PRO and 7448 PRO

- Contains 1 each of the following:
 - Scotch-Brite™ Hand Pad 7447 PRO (Maroon)
 - Scotch-Brite™ Hand Pad 7448 PRO (Gray)

3M ID	Size	Min/Case
7100033494	6" x 9"	20 packs/case

Scotch-Brite™ Rolls

Scotch-Brite™ Hand Finishing Selection Guide

Performance	Blending	Finishing	Cleaning
Premium	7447/7448 PRO/Durable Flex	7447/7448 PRO/Durable Flex	Durable Flex
	—	—	High Strength A MED
	Cut and Polish	Production Clean and Finish	Clean and Finish
	Clean and Finish	Clean and Finish	Production Clean and Finish

Scotch-Brite™ Production Clean and Finish Rolls

- Precision web/mineral configuration for most uniform general purpose finishing in roll form
- Excellent for critical finishes and long life



3M ID	W x L	Grade	Color	Qty/Case
7000121023†	4" x 30'	A VFN	Maroon	3
7000121024†	6" x 30'	A VFN	Maroon	2

†Made-to-Order

Scotch-Brite™ 7447/7448 PRO Rolls

- High performance abrasive takes less time to prep surface and lasts longer
- Tightly graded abrasive particles for consistent, uniform scratch throughout life of the abrasive
- New, long lasting pad made with durable nonwoven nylon web is flexible enough to get into hard-to-sand places; Specially coated to minimize loading
- Ideal for everyday uses like prepping surfaces for color coat; general scuffing, cleaning and hand blending



3M ID	W x L	Grade	Color	Qty/Case
7100051826	Roll sizes made to order, specify 3M ID, grade and belt size (W" x L')	S ULF	Gray	Determined by roll size
7100051825		A VFN	Maroon	

Scotch-Brite™ High Strength Rolls

- Nonwoven, open web abrasive stock designed to clean, denib, defuzz, and produce satin finishes
- Durable to stand up to heavy duty use
- The flexible material folds, stacks, or rolls to accommodate various contours and hard-to-reach areas



3M ID	W x L	Grade	Qty/Case
7000120781†	4" x 30'	A MED	3
7000120950†	6" x 30'	A MED	2
7010292417	4" x 30'	A VFN	3
7000120948	6" x 30'	A VFN	2

†Made-to-Order

Scotch-Brite™ Cut and Polish Rolls

- A unique and aggressive material for cleaning and finishing
- Sturdy, long lasting web material is great for heavy industrial cleaning and light deburring applications
- Works well for stropping and other bench applications



3M ID	W x L	Grade	Qty/Case
7100062986	1" x 30'	A MED	12
7100141895	2" x 30'	A MED	6
7100095034	4" x 30'	A MED	3

Scotch-Brite™ Clean and Finish Rolls

- Highly conformable nonwoven web can be cut to desired length for hand sanding or oscillating sanders



3M ID	W x L	Grade	Qty/Case
7000121071†	2" x 30'	A FIN	6
7000121074	2" x 30'	A VFN	6
7000121073	3" x 30'	A VFN	4
7100141687	4" x 30'	A MED	3
7000121069	4" x 30'	A FIN	3
7000046195	4" x 30'	A VFN	3
7000120862	4" x 30'	S VFN	3
7000120863	4" x 30'	F SFN	3
7100141689	4" x 30'	S SFN	3
7000121075	4" x 30'	S ULF	3
7000000649	4" x 30'	TALC	3
7000120541	6" x 30'	A MED	2
7000121070	6" x 30'	A FIN	2
7000121072	6" x 30'	A VFN	2
7000121068	12" x 30'	A VFN	1
7000045859	12" x 30'	TALC	1

†Made-to-Order

Make it a winning combination!

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

Winning
Combinations



3M™ Abrasive Sheets

3M™ Utility Cloth Sheets 011K

- Aluminum oxide mineral
- General purpose use



3M ID	W x L	Grade	Min/Case
Sheets			
7000118250	9" x 11"	CRS	50/250
7000118252	9" x 11"	MED	50/250
7000118251	9" x 11"	FINE	50/250

3M™ Utility Cloth Sheets and Rolls 211K

- Aluminum oxide on a J weight cloth backing
- Use these flexible utility rolls and sheets for general applications such as deburring, rust removal, strapping and all general maintenance work



3M ID	W x L	Grade	Min/Case
Sheets			
7000118253	9" x 11"	80	50/250
7000118254	9" x 11"	100	50/250
7000118255	9" x 11"	120	50/250
7010360277	9" x 11"	150	50/250
7000118256	9" x 11"	180	50/250
7010299775	9" x 11"	220	50/250
7000148116	9" x 11"	240	50/250
7000118257	9" x 11"	320	50/250
7000118258	9" x 11"	400	50/250
7010308017	9" x 11"	500	50/250
Utility Rolls			
7000118330	1" x 50 yd	80	1/5
7100016843	1" x 50 yd	100	1/5
7000118335	1" x 50 yd	120	1/5
7000118338	1" x 50 yd	150	1/5
7000118340	1" x 50 yd	180	1/5
7000118343	1" x 50 yd	220	1/5
7000118346	1" x 50 yd	240	1/5
7000118350	1" x 50 yd	320	1/5
7000118353	1" x 50 yd	400	1/5
7000118356	1" x 50 yd	500	1/5
7000118331	1-1/2" x 50 yd	80	1/5
7000118333	1-1/2" x 50 yd	100	1/5
7000118336	1-1/2" x 50 yd	120	1/5
7100031693	1-1/2" x 50 yd	150	1/5
7000118341	1-1/2" x 50 yd	180	1/5
7000118344	1-1/2" x 50 yd	220	1/5
7000118347	1-1/2" x 50 yd	240	1/5
7000118351	1-1/2" x 50 yd	320	1/5
7000118354	1-1/2" x 50 yd	400	1/5
7010308048	1-1/2" x 50 yd	500	1/5

3M™ Utility Cloth Sheets and Rolls 211K (cont)

3M ID	W x L	Grade	Min/Case
Utility Rolls			
7000118332	2" x 50 yd	80	1/5
7000118334	2" x 50 yd	100	1/5
7000118337	2" x 50 yd	120	1/5
7000118339	2" x 50 yd	150	1/5
7000118342	2" x 50 yd	180	1/5
7000118345	2" x 50 yd	220	1/5
7000118348	2" x 50 yd	240	1/5
7000118352	2" x 50 yd	320	1/5
7000118355	2" x 50 yd	400	1/5
7000118357	2" x 50 yd	500	1/5

3M™ Utility Cloth Sheets and Rolls 314D

- Aluminum oxide on X and J weight cloth backings
- Ideal for all utility jobs
- Can be torn into strips and rolled without shelling



3M ID	W x L	Grade	Backing	Min/Case
Sheets				
7000118497	9" x 11"	P40	X weight	50/250
7100220079	9" x 11"	P50	X weight	50/250
7000000360	9" x 11"	P60	X weight	50/250
7100219706	9" x 11"	P80	J weight	50/250
7000021272	9" x 11"	P100	J weight	50/250
7100220091	9" x 11"	P120	J weight	50/250
7000000357	9" x 11"	P150	J weight	50/250
7100220089	9" x 11"	P180	J weight	50/250
7000118495	9" x 11"	P220	J weight	50/250
7100220087	9" x 11"	P240	J weight	50/250
7000000353	9" x 11"	P280	J weight	50/250
7100220085	9" x 11"	P320	J weight	50/250
7000118494	9" x 11"	P400	J weight	50/250
Utility Rolls				
7000118516	1" x 50 yd	P50	X weight	1/5
7000118515	1" x 50 yd	P60	X weight	1/5
7000118514	1" x 50 yd	P80	J weight	1/5
7000118513	1" x 50 yd	P100	J weight	1/5
7000118512	1" x 50 yd	P120	J weight	1/5
7000118511	1" x 50 yd	P150	J weight	1/5
7000118510	1" x 50 yd	P180	J weight	1/5
7100220093	1" x 50 yd	P220	J weight	1/5
7000118508	1" x 50 yd	P240	J weight	1/5
7100219708	1" x 50 yd	P280	J weight	1/5
7000118506	1" x 50 yd	P320	J weight	1/5
7000118505	1" x 50 yd	P400	J weight	1/5
7000118533	1-1/2" x 50 yd	P50	X weight	1/5
7000118532	1-1/2" x 50 yd	P60	X weight	1/5

Chart continued on next page

3M™ Abrasive Sheets

3M™ Utility Cloth Sheets and Rolls 314D (cont)

3M ID	W x L	Grade	Backing	Min/Case
Utility Rolls				
7000118531	1-1/2" x 50 yd	P80	J weight	1/5
7000118530	1-1/2" x 50 yd	P100	J weight	1/5
7000118520	1-1/2" x 50 yd	P120	J weight	1/5
7000118528	1-1/2" x 50 yd	P150	J weight	1/5
7100221576	1-1/2" x 50 yd	P180	J weight	1/5
7000118526	1-1/2" x 50 yd	P220	J weight	1/5
7100221580	1-1/2" x 50 yd	P240	J weight	1/5
7000118524	1-1/2" x 50 yd	P280	J weight	1/5
7100221564	1-1/2" x 50 yd	P320	J weight	1/5
7000118522	1-1/2" x 50 yd	P400	J weight	1/5
7000118546	2" x 50 yd	P40	X weight	1/5
7000118545	2" x 50 yd	P50	X weight	1/5
7000118544	2" x 50 yd	P60	X weight	1/5
7000118543	2" x 50 yd	P80	J weight	1/5
7000118542	2" x 50 yd	P100	J weight	1/5
7000118541	2" x 50 yd	P120	J weight	1/5
7000118540	2" x 50 yd	P150	J weight	1/5
7000118539	2" x 50 yd	P180	J weight	1/5
7000118538	2" x 50 yd	P220	J weight	1/5
7000118537	2" x 50 yd	P240	J weight	1/5
7000118536	2" x 50 yd	P280	J weight	1/5
7000118535	2" x 50 yd	P320	J weight	1/5
7000118534	2" x 50 yd	P400	J weight	1/5

3M™ Wetordry™ Paper Sheets 431Q

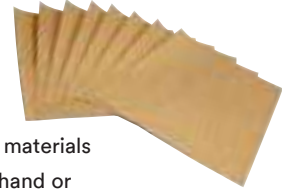
- Silicon carbide on a C weight paper backing
- Reduced clogging eliminates dust when used wet
- Heavyweight paper backing for increased durability



3M ID	W x L	Grade	Min/Case
7000118311	9" x 11"	80	50/250
7000118312	9" x 11"	100	50/250
7000118314	9" x 11"	120	50/250
7000118315	9" x 11"	150	50/250
7000118316	9" x 11"	180	50/250

3M™ Paper Sheets 336U

- Aluminum oxide on D weight (grades 36–80) and C weight (grades 100–150) paper backing
- Open coat resists loading on soft materials
- General purpose sheets ideal for hand or machine sanding of many different materials, including wood, metals, paints, plastics and fiberglass



3M ID	W x L	Grade	Min/Case
346U			
7000118247	9" x 11"	36	50/250
7000118259	9" x 11"	40	50/250
7000120220	9" x 11"	80	50/500

Accessories: Hand Finishing

Product	3M ID	For Use With	Size/Description	Max RPM	Qty/Case
Forked Spindle 	7100009224	For attaching utility cloth strips	3" x 1/16" x 3/4" x 1/4"	N/A	10
Mini Mandrel 935 	7100009221	Scotch-Brite™ Strips to clean and polish inner diameters and other tight areas	2-7/8" x 1/4"	14,000	5

Specialty Abrasives

3M™ Cartridge Rolls

Cartridge rolls are ideal for getting into small, hard to reach spaces. As they wear, the wrapped layers of the cartridge roll continuously expose fresh abrasive layers for continued cutting action. Available in regular and tapered construction.

3M™ Cartridge Rolls 341D

- Aluminum oxide on an X weight cloth backing
- Long life and fast cut
- General purpose cartridge rolls



3M ID	Dia x L x CH	Grade	Max RPM	Qty/Case
Regular				
7100080022	1/4" x 1" x 1/8"	P60	24,000	100
7100080021	1/4" x 1" x 1/8"	P80	24,000	100
7100080023	1/4" x 1" x 1/8"	P120	24,000	100
7100080024	1/4" x 1" x 1/8"	P180	24,000	100
7100080025	1/4" x 1-1/2" x 1/8"	P60	24,000	100
7100080026	1/4" x 1-1/2" x 1/8"	P80	24,000	100
7100080027	1/4" x 1-1/2" x 1/8"	P120	24,000	100
7100079747	1/4" x 1-1/2" x 1/8"	P180	24,000	100
7100085782	3/8" x 1" x 1/8"	P60	24,000	100
7100086093	3/8" x 1" x 1/8"	P80	24,000	100
7010363542	3/8" x 1" x 1/8"	P120	24,000	100
7100086098	3/8" x 1" x 1/8"	P180	24,000	100
7100086099	3/8" x 1-1/2" x 1/8"	P60	24,000	100
7010363828	3/8" x 1-1/2" x 1/8"	P120	24,000	100
7010309044	3/8" x 1-1/2" x 1/8"	P180	24,000	100
7100086100	1/2" x 1" x 1/8"	P60	24,000	100
7100086101	1/2" x 1" x 1/8"	P80	24,000	100
7010290115	1/2" x 1" x 1/8"	P120	24,000	100
7100086095	1/2" x 1-1/2" x 1/8"	P60	24,000	100
7100086097	1/2" x 1-1/2" x 1/8"	P80	24,000	100
7010363825	1/2" x 1-1/2" x 1/8"	P120	24,000	100
7010327459	1/2" x 1-1/2" x 1/8"	P180	24,000	100
7010309045	3/4" x 1-1/2" x 3/16"	P60	16,000	100
7100127561	3/4" x 1-1/2" x 3/16"	P80	16,000	100
7010294685	3/4" x 1-1/2" x 3/16"	P120	16,000	100

3M™ Cartridge Rolls 341D (cont)

3M ID	Dia x L x CH	Grade	Max RPM	Qty/Case
Full Taper				
7010327575	3/8" x 1" x 1/8"	P60	24,000	100
7100085775	3/8" x 1" x 1/8"	P80	24,000	100
7100085776	3/8" x 1" x 1/8"	P120	24,000	100
7010327576	3/8" x 1" x 1/8"	P180	24,000	100
7100085777	3/8" x 1-1/2" x 1/8"	P60	24,000	100
7100085778	3/8" x 1-1/2" x 1/8"	P80	24,000	100
7010327463	3/8" x 1-1/2" x 1/8"	P120	24,000	100
7010363551	1/2" x 1" x 1/8"	P60	24,000	100
7100085779	1/2" x 1" x 1/8"	P120	24,000	100
7100086094	1/2" x 1-1/2" x 1/8"	P60	24,000	100
7100086096	1/2" x 1-1/2" x 1/8"	P80	24,000	100
7010327456	1/2" x 1-1/2" x 1/8"	P120	24,000	100
7010363837	1/2" x 1-1/2" x 1/8"	P180	24,000	100

3M™ Cartridge Rolls 747D

- 3M ceramic aluminum oxide blend abrasive grain on an X weight cloth backing
- Long life and fast cut
- Contains grinding aid for cooler cutting on heat sensitive alloys



3M ID	Dia x L x CH	Grade	Max RPM	Qty/Case
Regular				
7100143021	1/2" x 1-1/2" x 1/8"	60	24,000	100
7100136781	1/2" x 1-1/2" x 1/8"	80	24,000	50
7010309040	1/2" x 1-1/2" x 1/8"	P120	24,000	100
Full Taper				
7100142738	1/2" x 1-1/2" x 1/8"	60	24,000	100
7100141481	1/2" x 1-1/2" x 1/8"	80	24,000	100
7100141480	1/2" x 1-1/2" x 1/8"	P120	24,000	100

3M™ Square and Cross Pads

Square pads are ideal for fast grinding/blending of channels, fillets, corners and spotting on flat surfaces. As the square pads rotate, the corners exert a fast biting action and gradually wear down to expose fresh abrasive material. Cross pads are used for close tolerance polishing of small radii and channels, deburring the ends and insides of tubing and other special applications.

3M™ Square Pads 341D

- Premium aluminum oxide on an X weight cloth backing
- Long life and fast cut
- General purpose pads



3M ID	Size (Inch)	Grade	Max RPM	Min/Case
1/4–20 Eyelet				
7100105521	2" x 2" x 3/8"	60	12,000	50/100
7100105522	2" x 2" x 3/8"	80	12,000	50/100
7100105523	2" x 2" x 3/8"	P120	12,000	50/100
7100105550	2" x 2" x 1/2"	60	12,000	50/100
7100105551	2" x 2" x 1/2"	80	12,000	50/100
7100105552	2" x 2" x 1/2"	P120	12,000	50/100
7100105520	3" x 3" x 1/4"	P120	9,000	50/100
7100105541	3" x 3" x 1/2"	60	9,000	50/100
7100105478	3" x 3" x 1/2"	80	9,000	50/100
7100105489	3" x 3" x 1/2"	P120	9,000	50/100

3M™ Square Pads 747D

- 3M ceramic aluminum oxide blend abrasive grain on an X weight cloth backing
- Super aggressive cut rate and durability
- Contains grinding aid for cooler cutting on heat sensitive alloys



3M ID	Size (Inch)	Grade	Max RPM	Min/Case
1/4–20 Eyelet				
7100105490	2" x 2" x 1/2"	P120	7,000	50/100
7100105498	2" x 2" x 3/8"	80	7,000	50/100
7100105479	2" x 2" x 3/8"	P120	7,000	50/100
7100105602	3" x 3" x 1/2"	60	6,000	50/100
7100105525	3" x 3" x 1/2"	80	6,000	50/100
7100105526	3" x 3" x 1/2"	P120	6,000	50/100

3M™ Cross Pads 341D

- Premium aluminum oxide on an X weight cloth backing
- Long life and fast cut
- General purpose pads



3M ID	Size (Inch)	Grade	Max RPM	Min/Case
8 or 10 Ply; 8–32 Eyelet				
7100105537	1" x 1" x 3/8"	60	18,000	50/100
7100105538	1" x 1" x 3/8"	80	18,000	50/100
7100105539	1" x 1" x 3/8"	P120	18,000	50/100
7100105540	1-1/2" x 1-1/2" x 1/2"	60	18,000	50/100
7100105510	1-1/2" x 1-1/2" x 1/2"	80	18,000	50/100
7100105509	1-1/2" x 1-1/2" x 1/2"	P120	18,000	50/100
7100105549	6" x 6" x 1-1/2"	60	9,000	50
8 Ply; 1/4–20 Eyelet				
7100105508	2" x 2" x 1/2"	60	15,000	50/100
7100094563	2" x 2" x 1/2"	80	15,000	50/100
7100105507	2" x 2" x 1/2"	P120	15,000	50/100
7100105487	2" x 2" x 3/4"	80	15,000	50/100
7100105488	2" x 2" x 3/4"	P120	15,000	50/100
7100104878	2-1/2" x 2-1/2" x 3/4"	60	15,000	50/100
8 or 10 Ply; 1/4–20 Eyelet				
7100105466	3" x 3" x 1"	60	15,000	50/100
7100094562	3" x 3" x 1"	80	15,000	50/100
7100105465	3" x 3" x 1"	P120	15,000	50/100
7100105495	3-1/2" x 3-1/2" x 1-1/2"	80	12,000	50/100
8 Ply; 8–32 Eyelet				
7100094560	4" x 4" x 1"	60	12,000	50/100

3M™ Cross Pads 747D

- 3M ceramic aluminum oxide blend abrasive grain on an X weight cloth backing
- Super aggressive cut rate and durability
- Contains grinding aid for cooler cutting on heat sensitive alloys



3M ID	Size (Inch)	Grade	Max RPM	Min/Case
8 Ply; 1/4–20 Eyelet				
7100105556	1-1/2" x 1-1/2" x 1/2"	80	18,000	100
7100105557	1-1/2" x 1-1/2" x 1/2"	P100	18,000	100
7100105558	2" x 2" x 3/4"	80	15,000	100

3M™ Bands

Great for getting at those hard-to-reach places and contours. Ideal for removing parting lines, imperfections and burrs. Use with 3M™ Die Grinders and 3M™ Rubber Slotted Expander Wheel or 3M™ Rubber Cushion Polishing Wheel.

3M™ Bands 341D

- Aluminum oxide on and X weight cloth backing
- Fast cut and long life
- General purpose evenrun bands



3M ID	Dia x W	Grade	Max RPM	Qty/Case
7010360563	1/4" x 1/2"	P80	23,000	100
7100137354	1/4" x 1/2"	P120	23,000	100
7100138191	1/2" x 1/2"	P60	30,000	100
7100040573	1/2" x 1/2"	P80	30,000	100
7100040574	1/2" x 1/2"	P120	30,000	100
7010294517	1/2" x 1"	P36	15,000	100
7100075242	1/2" x 1"	P60	15,000	100
7100137356	1/2" x 1"	P80	15,000	100
7100138137	1/2" x 1"	P120	15,000	100
7100031683	3/4" x 1"	P36	17,000	100
7100138138	3/4" x 1"	P60	17,000	100
7100138158	3/4" x 1"	P80	17,000	100
7100138139	3/4" x 1"	P120	17,000	100
7010360568	3/4" x 1-1/2"	P36	10,000	100
7100093316	3/4" x 1-1/2"	P80	10,000	100
7100138140	1" x 1"	P36	18,000	100
7100138141	1" x 1"	P60	18,000	100
7100138142	1" x 1"	P80	18,000	100
7100138144	1" x 1"	P120	18,000	100
7100138145	1" x 1-1/2"	P36	10,000	100
7100138146	1" x 1-1/2"	P60	10,000	100
7100138147	1" x 1-1/2"	P80	10,000	100
7010298947	1-1/2" x 1"	P36	14,000	100
7010360574	1-1/2" x 1"	P60	14,000	100
7100138149	1-1/2" x 1-1/2"	P36	10,000	100
7100138150	1-1/2" x 1-1/2"	P60	10,000	100
7100138151	1-1/2" x 1-1/2"	P80	10,000	100
7100030244	1-1/2" x 1-1/2"	P120	10,000	100
7010290255	1-1/2" x 2"	P60	8,000	100
7100138154	2" x 2"	P60	6,000	100
7100138155	2" x 2"	P80	6,000	100
7100138157	3" x 3"	P36	3,000	50
7010360681	3" x 3"	P60	3,000	50
7100138156	3" x 3"	P80	3,000	50
7100017777	3" x 3"	P120	3,000	50

3M™ Bands 747D

- 3M ceramic aluminum oxide blend abrasive grain on an X weight cloth backing
- Long life and fast cut
- Contains grinding aid for cooler cutting on heat sensitive alloys



3M ID	Dia x W	Grade	Max RPM	Qty/Case
7010309103	1/2" x 1"	50	15,000	100
7100138163	1/2" x 1"	60	15,000	100
7100138167	1/2" x 1"	80	15,000	100
7100138164	1" x 1"	50	18,000	100
7100138165	1" x 1"	60	18,000	100
7100138166	1" x 1"	80	18,000	100
7010328805	1" x 1"	P120	18,000	100
7100138314	2" x 1"	60	11,000	100
7010309104	2" x 1"	80	11,000	100
7010365240	2" x 1"	P120	11,000	100

Scotch-Brite™ Surface Conditioning Molded Abrasives



Scotch-Brite™ Bristle Brushes and Discs Safer operation and conformability in contoured areas



Long life with consistent performance

Scotch-Brite™ Bristle Discs and Brushes last longer than most abrasives and provide the same finish and cut throughout their life. For productivity in automated procedures, there are fewer changeovers.



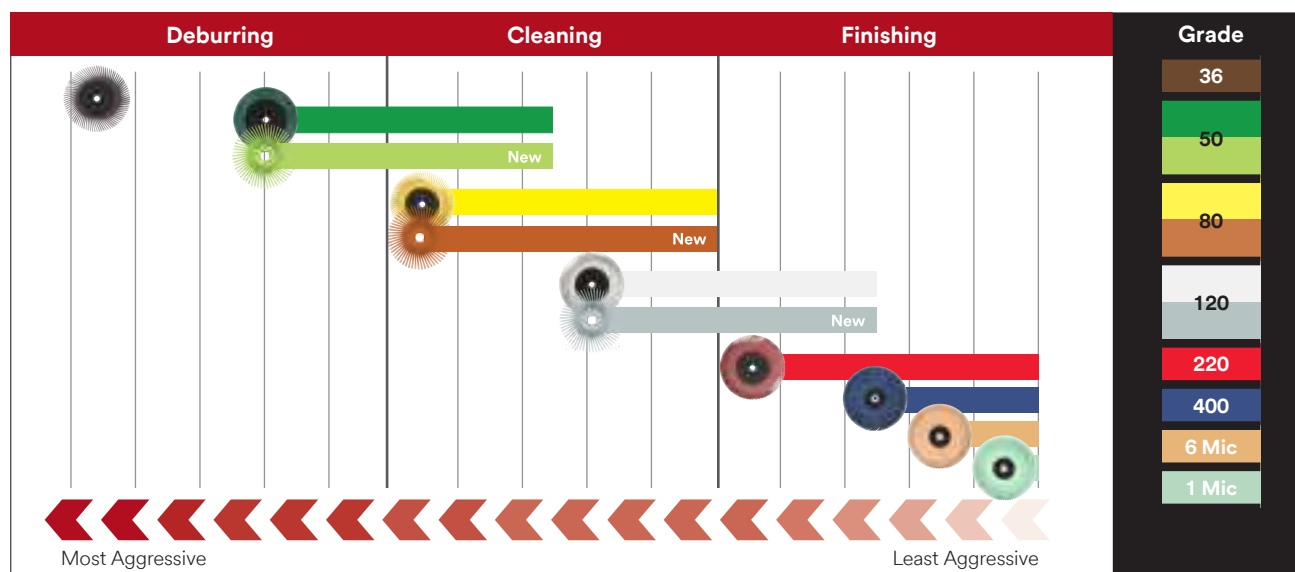
Conformability and more surface contact

Unlike most abrasives, Scotch-Brite™ Bristle products are flexible and conform to irregular surfaces. They require less manipulation by operators on parts. You can expect a consistent finish even on the most complex parts.



Safety

To help you meet increasingly tough safety standards, Scotch-Brite™ Bristle Discs contain no wire filaments. When replacing chemicals or compounds, they have the added benefit of not emitting harmful chemical vapors.



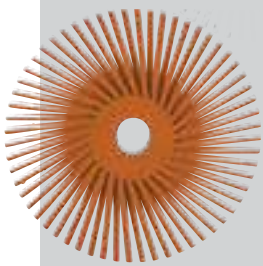
More effective than wire brushes.



Scotch-Brite™ Precision Bristle products contain 3M Precision-Shaped Grain technology designed for consistent cut and finish, and load resistant.



Scotch-Brite™ Bristle Discs and Brushes



Scotch-Brite™ Precision Radial Bristle Brush New

Built with 3M Precision-Shaped grain for increased cut-rate without sacrificing finish.

Flexible bristles produce uniform finishes around protrusions, detail grooves, patterns, and other hard-to-reach areas.

Conformability allows abrasive to stay in contact with complex-shaped parts in robotic processing.

Contains no wire filaments to help enhance user safety.



Scotch-Brite™ Radial Bristle Discs

Fast running disc removes paint, stains, adhesives, weld burns and heavy oxides from large areas.

Conform to the part and clean without removing base material reducing damage and rework.

Create an incredibly uniform finish even around protrusions, detail grooves, patterns and other hard to reach areas.



Scotch-Brite™ Radial Bristle Brushes

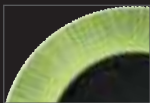
Ideal for Robotic Deburring to quickly remove burrs and sharp edges in end-of-arm tooling operations.

Conformability allows abrasive to stay in contact with complex-shaped parts in robotic processing.

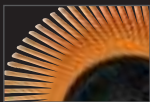
Maintains abrasive property throughout the life of the brush.



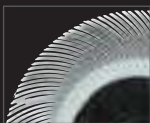
Build Your System



Straight — Type S (TS)
Rigid and very aggressive for cleaning and deburring, non-directional.



Angled — Type A (TA)
Rigid and very aggressive, similar to Type S but for smaller diameters, directional.



Curved — Type C (TC)
Less aggressive and more conformable, directional.

3M™ Mandrels Example

3M™ Mandrel 990
UPC 048011-15012-3



Scotch-Brite™ Radial
Bristle Brush
UPC 048011-27605-2



Mandrel Cap



3M™ Roloc™ System Example



PN 20232

3M™ Sander Adapter
PN 06582



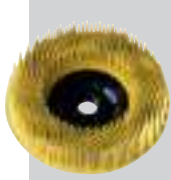
3M™ Roloc™ Disc Pad
PN 45091



Scotch-Brite™ Roloc™ Radial
Bristle Disc
UPC 048011-24276-7



Scotch-Brite™ Bristle Discs and Removal Wheels



Scotch-Brite™ Bristle Discs

Bristle spacing is ideal for removing paint, stains, adhesives, weld burn, rust and other high-loading substances.

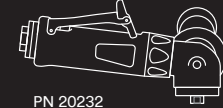
Proprietary 3M™ Ceramic Abrasive Grain provides aggressive cut and consistent finish throughout the life of the disc.

Flexible bristles require less pressure than wire brushes and conform to contours.



Build Your System

3M™ Roloc™ System Example



PN 20232

3M™ Sander Adapter
PN 06582

3M™ Roloc™ Disc Pad
PN 45091

Scotch-Brite™ Roloc™
Bristle Disc
UPC 048011-24276-7



Scotch-Brite™ Stripe Off Wheels and Molded Adhesive Removal Discs

Effectively removes unwanted vinyl decals, graphics and striping tapes from metal surfaces.

Polyvinyl Chloride (PVC) is durable and stands up to repeated friction for effective removal of unwanted decals.

Disc generates heat as it spins, minimizing the need for prep work with heat tools.



Scotch-Brite™ Radial Bristle Brush, TA

- Excellent replacement for wire brushes
- Use on bench motors for general purpose cleaning applications
- No flying wires yet higher cut rates
- Very strong and flexible
- Comes with adapters for multiple shaft sizes (1/2", 5/8", 3/4", 7/8", 1", 2" and 8")



3M ID	Dia x W	Grade	Color	Max RPM	Qty/Case	Accessory
7100138323	3" x 3/8"	50	Green	25,000	40	-
7100138324	3" x 3/8"	80	Yellow	25,000	40	-
7000000749	3" x 3/8"	120	White	25,000	40	-
7100138290	6" x 1/2" x 1"	36	Brown	6,000	5	-
7100138347	6" x 1/2" x 1"	50	Green	6,000	5	-
7100138347	6" x 1/2" x 1"	80	Yellow	6,000	5	-

Scotch-Brite™ Precision Radial Bristle Brush, TA

- Precision-Shaped Grain for faster cut rate
- Flexible and conformable bristles for consistency
- No wire filaments to help enhance user safety
- Use for manual or robotic purposes



3M ID	Dia x W	Grade	Color	Max RPM	Qty/Case	Accessory
7100374835	3" x 3/8"	50+	Neon Green	20,000	40	-
7100374841	3" x 3/8"	80+	Orange	20,000	40	-
7100374839	3" x 3/8"	120+	Gray	20,000	40	-
7100374836	6" x 1/2" x 1"	50+	Neon Green	6,000	5	With Adapter
7100374843	6" x 1/2" x 1"	80+	Orange	6,000	5	With Adapter
7100374845	6" x 1/2" x 1"	120+	Gray	6,000	5	With Adapter
7100374838	6"	50+	Neon Green	6,000	80	No Adapter
7100374842	6"	80+	Orange	6,000	80	No Adapter
7100374834	6"	120+	Gray	6,000	80	No Adapter

Scotch-Brite™ Precision Radial Bristle Brush, TC

- Precision-Shaped Grain for faster cut rate
- Flexible and conformable bristles for consistency
- No wire filaments to help enhance user safety
- Use for manual or robotic purposes



3M ID	Dia x W	Grade	Color	Max RPM	Qty/Case	Accessory
7100374911	2" x 3/8"	80+	Orange	25,000	80	-
7100375403	3" x 3/8"	80+	Orange	20,000	80	-
7100375404	3" x 3/8"	120+	Gray	20,000	80	-
7100374909	7-5/8" x 1" x 1-1/4"	80+	Orange	6,000	2	With Flange
7100374853	7-5/8" x 1" x 1-1/4"	120+	Gray	6,000	2	With Flange
7100374926	7-5/8"	80+	Orange	6,000	70	No Adapter
7100374924	7-5/8"	120+	Gray	6,000	70	No Adapter
7100374840	6" x 7/16" x 1"	80+	Orange	6,000	5	With Adapter
7100374844	6" x 7/16" x 1"	120+	Gray	6,000	5	With Adapter
7100374846	6"	80+	Orange	6,000	80	No Adapter
7100374833	6"	120+	Gray	6,000	80	No Adapter
7100374847	6"	120+	Gray	6,000	80	With Keyway
7100374926	7-5/8"	80+	Orange	6,000	70	No Adapter

Scotch-Brite™ Precision Radial Bristle Brush, TS

- Precision-Shaped Grain for faster cut rate
- Flexible and conformable bristles for consistency
- No wire filaments to help enhance user safety
- Use for manual or robotic purposes



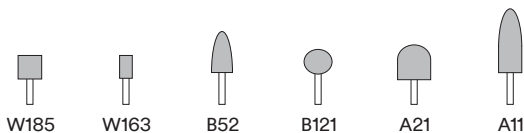
3M ID	Dia x W	Grade	Color	Max RPM	Qty/Case	Accessory
7100374712	8" x 1" x 1-1/4"	50+	Neon Green	6,000	2	With Flange
7100374837	8" x 1" x 1-1/4"	80+	Orange	6,000	2	With Flange
7100374910	8" x 1" x 1-1/4"	120+	Gray	6,000	2	With Flange
7100374912	8"	50+	Neon Green	6,000	70	No Adapter
7100374923	8"	80+	Orange	6,000	70	No Adapter
7100374925	8"	120+	Gray	6,000	70	No Adapter

Scotch-Brite™ Specialty Abrasives

Make tough jobs easy with these Scotch-Brite™ specialty abrasives. Unique constructions for use on contours and flat areas — on metal, wood, paint, coatings and more.

Scotch-Brite™ EXL Unitized Mounted Points

- EXL unitized material dressed to six different ANSI shapes for delicate deburring and finishing of critical parts



3M ID	Size (Inch)	Shape	Density	Grade	Qty/Case
1/4" Shank					
7000121158	7/8" x 2" x 1/4"	A11	8	A MED	50
7010365523	7/8" x 2" x 1/4"	A11	8	S FIN	50
7010329840	1" x 1" x 1/4"	A21	8	A MED	50
7010292685	1" x 1" x 1/4"	A21	8	S FIN	50
1/8" Shank					
7010365524	1/2" x 1/2" x 1/8"	B121	8	A MED	50
7010329841	1/2" x 1/2" x 1/8"	B121	8	A CRS	50
7010365525	3/8" x 3/4" x 1/8"	B52	8	A CRS	50
7000121159	3/8" x 3/4" x 1/8"	B52	8	A MED	50
7100068025	3/8" x 3/4" x 1/8"	B52	8	S FIN	50
7010329842	1/4" x 1/2" x 1/8"	W163	8	A CRS	50
7010300871	1/4" x 1/2" x 1/8"	W163	8	S FIN	50
7010365527	1/4" x 1/2" x 1/8"	W163	8	A MED	50
7000121160	1/2" x 1/2" x 1/8"	W185	8	A CRS	50
7010365528	1/2" x 1/2" x 1/8"	W185	8	A MED	50
7010310009	1/2" x 1/2" x 1/8"	W185	8	S FIN	50

Scotch-Brite™ Flap Brush CPFB-S and CPFB-R+

- Heavy-duty brush
- Excellent for removing handling marks and surface imperfections
- Available on 1/4" shaft (CPFB-S) or 3M™ Roloc™+ attachment system (CPFB-R+)



3M ID	Dia x W x Shaft	Grade	Max RPM	Qty/Case
CPFB-S				
7000121151	2" x 1" x 1/4"	A MED	12,000	25
7100050520	3" x 1-3/4" x 1/4"	A MED	8,500	10
CPFB-R+				
7100088221	3" x 1-3/8"	A MED	8,000	10

Scotch-Brite™ Flap Brush CFFB-S

- Ideal for decorative finishes and light deburring applications
- Available on 1/4" shaft (CFFB-S)



3M ID	Dia x W x Shaft	Grade	Max RPM	Qty/Case
7000077970	3" x 1-3/4" x 1/4"	A CRS	8,500	10
7000077967	3" x 1-3/4" x 1/4"	S FIN	8,500	10

Scotch-Brite™ Combi Wheel, Combi-S

- Made of alternating flaps of coated abrasive and Scotch-Brite™ web
- Provides aggressive cut and fine finishes



3M ID	Dia x W x Shaft	Grade	Max RPM	Qty/Case
CFFB-S				
7000077965	3" x 1-3/4" x 1/4"	80	8,000	10
7100093994	3" x 1-3/4" x 1/4"	P120	8,000	10
7000077964	3" x 1-3/4" x 1/4"	P180	8,000	10

Scotch-Brite™ CPD5-R and CPD5-S Discs

- Five discs made of a durable web, ganged together on a shaft
- Use for satin or antique finishing as well as light- to medium-duty cleaning applications
- Available on a 1/4" shaft (CPD5-S) or 3M™ Roloc™+ attachment system (CPD5-R)



3M ID	Dia x W x Shaft	Grade	Max RPM	Qty/Case
CPD5-S				
7000045941	3" x 1-1/4" x 1/4"	A MED	10,000	10
7000120710	4" x 1-1/4" x 1/4"	A MED	8,000	10
CPD5-R				
7000120704	3" x 1-1/4"	A MED	10,000	10
7000120703	4" x 1-1/4"	A MED	8,000	10

Scotch-Brite™ Specialty Abrasives

Scotch-Brite™ Clean and Strip XT Pro Discs, Shaft Mount

- 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	Grade	Max RPM	Qty/Case
7100173799	4" x 1/2" x 1/4"	S XCS	12,000	10
7100173798	4" x 1" x 1/4"	S XCS	12,000	10

Scotch-Brite™ Clean and Strip XT Pro Extra Cut Discs, Shaft Mount

- 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	Grade	Max RPM	Qty/Case
7100173800	4" x 1/2" x 1/4"	A XCS	12,000	10
7100173921	4" x 1" x 1/4"	A XCS	12,000	10



Scotch-Brite™ Stars

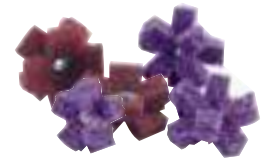
- Perfect for polishing internal diameters of pipe and tubing
- Conformable Scotch-Brite™ construction assures complete cleaning and polishing of all surfaces



3M ID	Diameter (Inch)	Grade	Max RPM	Qty/Case
7000120965	1-1/2"	A CRS	24,000	100
7000120969	1-1/2"	A VFN	24,000	100
7000120966	2"	A CRS	24,000	100
7000120970	2"	A VFN	24,000	100
7000120967	3"	A CRS	18,000	50
7000120971	3"	A VFN	18,000	50
7000120968	4"	A CRS	18,000	50
7000120972	4"	A VFN	18,000	50

Scotch-Brite™ Cross Buffs

- Versatile and flexible shape ideal for light deburring, cleaning, finishing and polishing internal diameters and hard to reach areas
- Available in A VFN for high luster finishes or A MED for more aggressive applications requiring increased durability



3M ID	Diameter	Grade	Max RPM	Qty/Case
7000121119	1" x 3/8" x 2 PLY x 8-32	A MED	20,000	50
7000121124	1" x 3/8" x 2 PLY x 8-32	A VFN	20,000	50
7000121120	1-1/2" x 3/8" x 2 PLY x 8-32	A MED	20,000	50
7000121147	1-1/2" x 3/8" x 2 PLY x 8-32	A VFN	20,000	50
7000121125	1-1/2" x 1/2" x 2 PLY x 8-32	A VFN	20,000	100
7000121121	2" x 1/2" x 2 PLY x 8-32	A MED	12,000	25
7100054448	2" x 1/2" x 2 PLY x 8-32	A VFN	12,000	25

Scotch-Brite™ Unitized Wheel Pack 990S

- Contains several Scotch-Brite™ external Unitized Wheels 1" x 1" x 3/16" and 3" x 1/4" x 3/8" in a variety of densities and grades
- Also includes 936 and 990 mandrels



3M ID	Size (Inch)	Min/Case
7000120830	1" x 1" x 3/16" and 3" x 1/4" x 3/8"	1/5

3M™ Power Tools: Specialty Abrasives

3M™ Die Grinders: 0.3 HP (224 W)

- Ideal for light-duty applications such as deburring, blending, finishing and polishing in intricate and hard-to-reach areas
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



28629/28627



28630/28628

3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100075513	28630	25,000	86 (98)	1.4 (0.6)	10 (248)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075512	28629	25,000	78 (90)	0.9 (0.4)	6 (152)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075511	28628	18,000	80 (92)	1.5 (0.7)	11 (267)	1 (35)	1/4" NPT	17 (481)	1/4"+
7100075510	28627	18,000	79 (91)	1.2 (0.5)	7 (184)	1 (35)	1/4" NPT	17 (481)	1/4"+

*Includes 1/8" collet insert (PN55772)

3M™ Die Grinders: 0.5 HP (372 W)

- Ideal for medium-duty applications such as polishing, buffing, shaping and deburring
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



28330



28332

3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100075514	28330	18,000	87 (99)	1.1 (0.5)	7 (175)	3 (70)	1/4" NPT	26 (736)	1/4"
7100075201	28331	18,000*	87 (99)	1.5 (0.7)	11 (270)	3 (70)	1/4" NPT	26 (736)	1/4"
7100075515	28332	4,000	87 (99)	1.6 (0.7)	9 (200)	3 (70)	1/4" NPT	26 (736)	1/4"

*With extension

3M™ Die Grinders: 1 HP (744 W)

- Excellent for big jobs such as weld or stock removal
- Exclusive 3M™ Gripping Material reduces vibration and provides a more secure grip



20237



20238



20239



20240

3M ID	Model	Max RPM	Noise Level dBA (power)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size
7100109085	20237	20,000	86 (98)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	37 (1,048)	1/4"
7100106791	20238	18,000	89 (101)	2.0 (0.9)	8 (197)	3 (73)	3/8" NPT	37 (1,048)	1/4"
7100142494	28770	18,000	84 (95)	3.0 (1.4)	13 (318)	3 (73)	3/8" NPT	37 (1,048)	1/4"
7100142494	20239	12,000	N/A	2.6 (1.2)	10 (254)	3 (81)	3/8" NPT	37 (1,048)	1/4"
7100142324	20240	8,000	N/A	2.6 (1.2)	10 (254)	3 (81)	3/8" NPT	37 (1,048)	1/4"

*Available in metric collet

Collet Insert Availability for 3M™ Die Grinders

Tool Model	HP	RPM	Length	Collet Insert Size and Part Number								
				1/8" (06573)	1/8" (55772)	3/16" (06574)	1/4" (06575)	1/4" (55752)	3/8" (06545)	3 mm (06576)	6 mm (06577)	8 mm (06546)
28630	0.3	25,000	Extended		●			●				
28629	0.3	25,000	Regular		●			●				
28628	0.3	18,000	Extended		●			●				
28627	0.3	18,000	Regular		●			●				
28330	0.5	18,000	Regular	●		●	●		●	●	●	●
28331	0.5	18,000	Extended		●			●				
28332	0.5	4,000	Regular	●		●	●		●	●	●	●
20237	1	20,000	Regular	●		●	●		●	●	●	●
20238	1	18,000	Regular	●		●	●		●	●	●	●
28770	1	18,000	Extended	●		●	●		●	●	●	●
20239	1	12,000	Regular	●		●	●		●	●	●	●
20240	1	8,000	Regular	●		●	●		●	●	●	●



3M™ Power Tools: Specialty Abrasives

3M™ Match and Finish Sander: 1 HP (744 W)

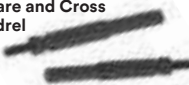
- Generate straight-line scratches for finishing stainless steel and other metals
- Front to back motion helps prevent curved scratches
- Easy to control for reduced start/stop marks
- Easy screw-on/screw-off attachments
- Design for use with Scotch-Brite™ Match and Finish Flap Brushes, 3M™ Abrasive Belts or Scotch-Brite™ Belts*



3M ID	Model	Shaft Size	Max RPM	Weight Pound (kg)	Length Inch (mm)	Air Inlet Thread	Airflow Rate SCFM (LPM)
7100142461	28659	4" x 5/8-11 EXT	3,500	4.6 (2.1)	13.5 (343)	1/4" NPT	37 (1,048)

*To run belt products, 3M™ Expander Wheel (28718) and Adapter Kit (28719) are required

Accessories: Specialty Abrasives

Product	3M ID	For Use With	Size/Description	Max RPM	Qty/Case
Mandrel 944 	7000120684	Scotch-Brite™ Stars for cleaning and polishing internal diameters of pipe and tubing	1/4" x 1/4-20 EXT	25,100	1
3M™ Mandrels 	7000045771	Screw-type mandrels for securing cartridge rolls to tool	1/8" x 1" x 1/4"	24,000 (1/2" and smaller cartridge roll diameter); 16,000 (5/8"- 3/4" cartridge roll diameter)	25
	7000148243	Screw-type mandrels for securing cartridge rolls to tool	3/16" x 1" x 1/4"		25
	7000045772	Screw-type mandrels for securing cartridge rolls to tool	3/16" x 1-1/2" x 1/4"		25
3M™ Square and Cross Pad Mandrel 	7000045662	Used for holding square and cross pads with 1/4-20 and 8-32 internal threaded inserts	1/4" x 1/4-20 EXT	Dependent upon abrasive product used	1
	7100253723		1/4" x 8-32 EXT		1
	7010362491		1/4" x 3-48 EXT		5
Forked Spindle 	7100009224	For attaching utility cloth strips	3" x 1/16" x 3/4" x 1/4"	N/A	10
For 3M™ Match and Finish Sander					
3M™ Rubber Slotted Expander Wheel 	7100030184	Rubber Slotted Expander Wheel for use with 3-1/2" x 15-1/2" belts	5" x 3-1/2" x 1" AH	3,500	1
3M™ Rubber Slotted Expander Adapter Kit 	7100050705	Inline sander, bench grinders, bench motors, benchtop tools	1" x 5/8-11 INT	3,500	1



► Precision Bonded Systems

Surface modification at its finest.

3M Precision Grinding and Finishing Solutions

Specialized applications like gear grinding, tool grinding and cylindrical grinding demand precision and process stability. Achieving the highest precision requires the highest-quality abrasives. As a total solution supplier, 3M offers conventional and superabrasive wheels, microfinishing films, dressing equipment and tools you need for any precision grinding or microfinishing application. Plus, we have the foremost technical and sales expertise to develop custom solutions for you.

A partner you can trust.

For more than 100 years, 3M has been a world leader in developing advanced abrasives. Our technologies have helped customers in virtually every industrial sector improve productivity, cut costs and achieve the consistent high-quality finishes they need to compete in a global marketplace.

Conventional Abrasives

Durability and precision are crucial in the gear, turbine and powertrain industries. For many in these industries, conventional 3M™ Cubitron™ II bonded abrasives with ceramic 3M Precision-Shaped Grain can serve as a precise and cost-effective solution.



Superabrasives

If you're grinding and finishing exceptionally hard substrates like tungsten carbide, ceramics or superalloys, it's time to spec-in a superabrasive solution. Our CBN and diamond superabrasives are customizable in a range of forms and grades to meet your specific application needs.

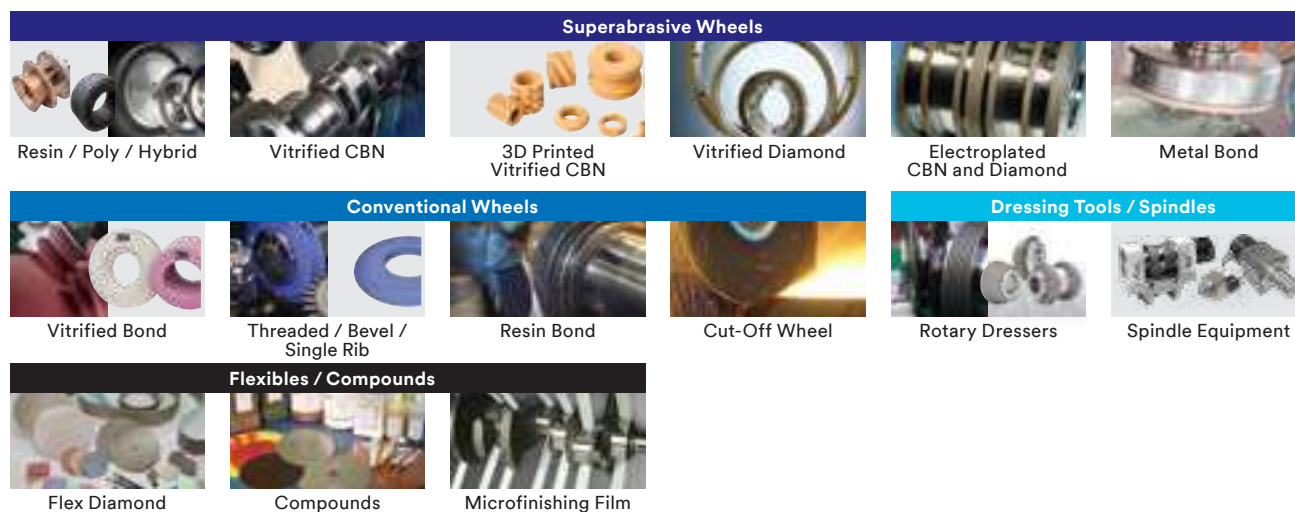


Dressing Tools and Spindles

As a total solution supplier, 3M offers diamond dressing rollers and dressing spindles designed for both conventional and superabrasives — core elements for building a complete high-performance grinding system.



3M Precision Grinding and Finishing Solutions



Key

- Extensive Product Offering
- ◐ Focused Product Offering
- Contact 3M Bonded Specialist

			Technologies																				
Sector	Application	Sub-Application	Superabrasive Wheels	Resin / Poly / Hybrid	Vitrified CBN	3D Printed Vitrified CBN	Vitrified Diamond	Electroplated CBN and Diamond	Metal Bond	Conventional Wheels	Vitrified Bond	Resin Bond (Hot Press)	Resin Bond (Cold Press)	Large Diameter Cut-Off Wheels (650–2000 mm)	Medium Diameter Cut-Off Wheels (200–650 mm)	Dressing Tools / Spindles	Rotary Dressers	Spindle Equipment	Flexibles / Compounds	Flex Diamond	Compounds	Microfinishing Film	
Transportation	Gear	Bevel									●						●	●					
		Threaded									●						◐						
		Profile									●							●					
	Power Train	Face / Fine Surface	●	●							●							●	◐				●
		OD / Cam and Crank		●							●		●					●					
		ID		●	●						●							●					
Centerless		●								●		●				●							
General Industries	Bearing	Face / Fine Surface	●	●							●												
		OD		●							●							●				●	
		ID		●	●						●							●					
		Centerless		●							●		●										
	Turbine	Reciprocating	●	●							●			●				●	●				
		Creep-Feed						◐			●							●	●				
	Tool Grinding	Indexable Inserts	●				●			◐	●			●									
		Round Tool	●	●			●	●	●	◐	●			●				○					
	Saw / Dies*	Flat / End	◐	◐			◐			◐	◐			◐				◐					
		Primary Metals		Roll Grinding / Superfinishing	◐	◐		◐				●		●							●	◐	●
Oil / Gas	PCD Cutters / Drilling Bits	Centerless / Chamfering	●				●																
		Face Polishing	●				●																
	Thermal Spray	OD / ID / Surface	●								◐									●	○	●	

*No silicon carbide grain.

**Not offered with drive pin holes.

Take advantage of performance and productivity that will set your shop up for success.
3M.com/us/precisiongrinding



Click / Scan to view

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			100	Coarse
	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	

[illegible]

[illegible]

[illegible]

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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