3M Science. Applied to Life.™

3M Abrasives Product Catalogue



3M Xtract™ Clean Sanding Solutions

Finishing Strong Scotch-Brite Brand Since 1958

3M Cubitron™ 3 Performance Abrasives

3M Trizact™



3M innovations that transform how work gets done.

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

1921 — 3M Wetordry™ Sandpaper

1958 — Scotch-Brite™ Nonwoven Abrasives

1981 — 3M™ Ceramic Grains

1993 — Trizact™ Micro-replicated Abrasives

2001 — 3M™ Cubitron™ 2 Precision-Shaped Grain

2022 — 3M Xtract™ Clean Sand Abrasives

2023 — 3M™ Cubitron™ 3 Precision-Shaped Grain

2018



3M™ Flap Disc 769F



Scotch-Brite™ Clean and Strip XT Pro

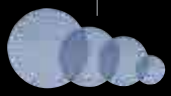


Scotch-Brite™ Clean and Strip XT Pro Extra Cut

2020



3M Xtract™ Cubitron™ 2 Net Disc 710W

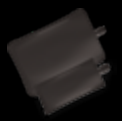


3M Xtract™ Net Disc 310W

2021









3M Xtract™ Clean Sanding Solutions

2022



3M™ Cubitron™ 2 Cloth Belt 726A



3M™ Cloth Belt 767F



Scotch-Brite™ Precision Surface Conditioning Discs

2023



3M™ Cubitron™ 3 Cloth Belt 1184F



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



3M™ Cubitron™ 3 Portable Grinding and Cutting Wheels

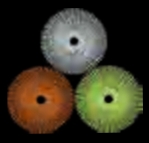
2025



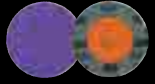
3M™ Electric Angle Grinder



Scotch-Brite™ Precision Heavy Duty Surface Conditioning Discs



Scotch-Brite™ Precision Radial Bristle Brushes



3M™ Cubitron™ 3 Cloth Fibre Roloc™, 36+, 60+ and 80+

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107 Abrasive Grade Comparison Guide

Many of the products mentioned in this catalogue are made in inches. We have converted the dimensions of most products to European standards in millimetres, which may cause the actual dimensions to differ by a few millimetres. For the use of abrasives in processes where dimensions are critical, we recommend consulting our online product catalogue for a more accurate representation of the dimensions.

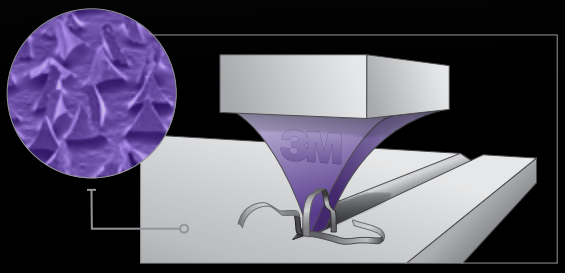
Please note that the availability of products featured in this catalogue may vary across countries within the EMEA region. We strive to offer a comprehensive selection, but not all products may be accessible in every location. We recommend contacting your local 3M subsidiary to confirm the availability of specific products in your country. Your local 3M team is ready to assist you with any inquiries and ensure you have access to the solutions you need.

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 labour efficiency.

Enhanced mineral orientation

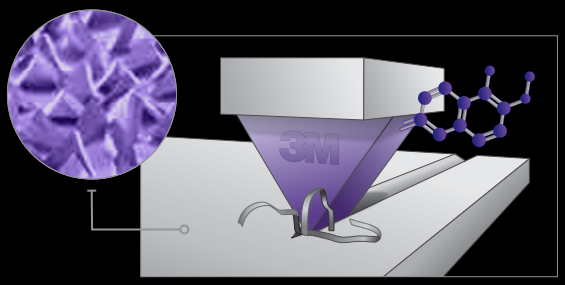
Re-shaping the way work gets done.



3M Cubitron™ 3 Performance Abrasives

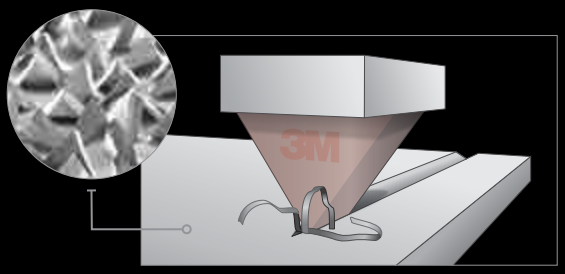
Our latest 3M Precision-Shaped Grain

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



Our latest 3M Precision-Shaped Grain

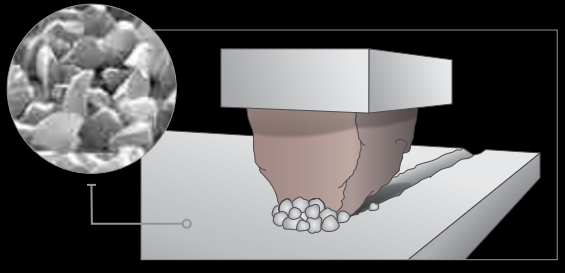
Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in molecular bonded technology.



3M 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 “plough” 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.

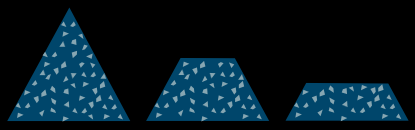


Why 3M™ Trizact™ Abrasives?

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.



Conventional grain



Trizact™ micro-replicated

Stays sharper for longer.

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

The science behind high-quality finishes

Scotch-Brite™ Abrasive Materials

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

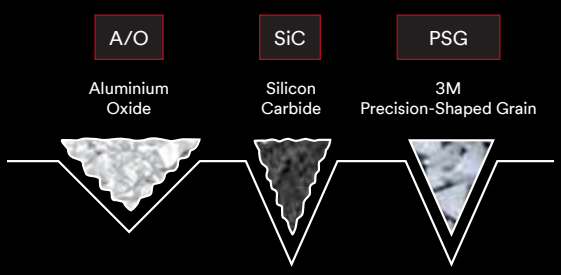
3M Precision-Shaped Grain Nonwoven Technology

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

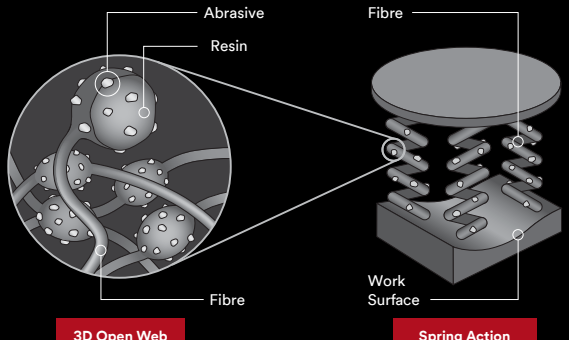
A/O — **Aluminium Oxide** mineral is blockier and more durable than SiC, which provides a longer life as the mineral breaks down at a slower rate. A/O is commonly used for a wide range of applications.

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.

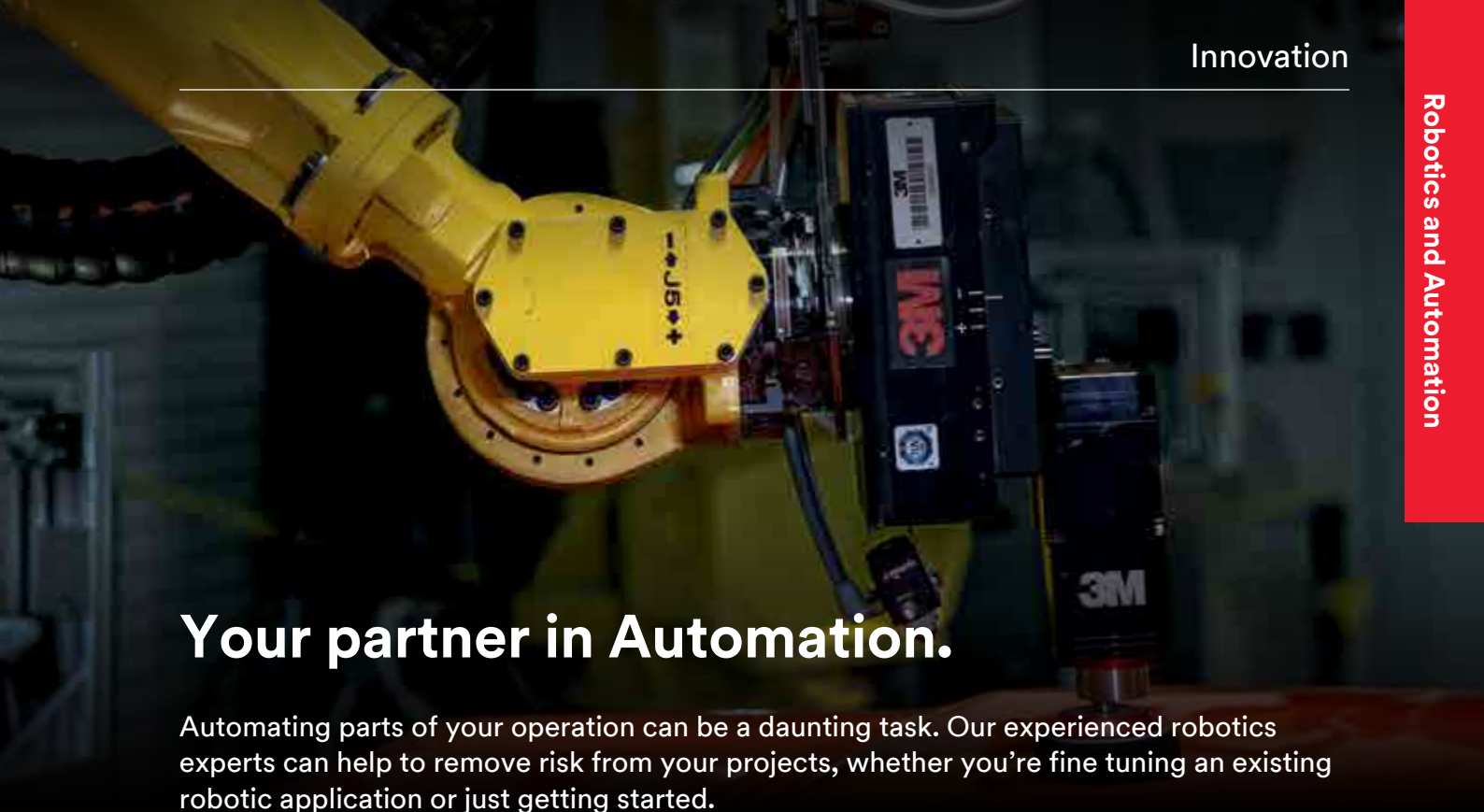
PSG — **3M Precision-Shaped Grain** is a triangular-shaped ceramic grain that is designed with sharp, angular structures that continuously fracture to form new sharp cutting edges.



Look for the 3M Precision-Shaped Grain icon!

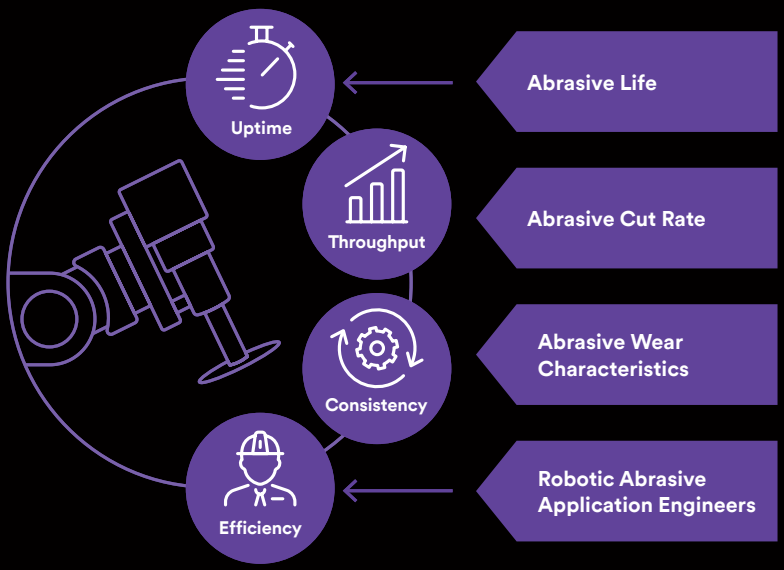






Your partner in Automation.

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 an 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™ 2 wheels.[1]

Up to 34%



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

Up to 3x



3M™ Scotch-Brite™ Precision Surface Conditioning Discs finish **3X more aluminium 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 fibre discs.[2]

Up to 10%



3M™ Cubitron™ 3 Cut-Off Wheels deliver up to **10% faster** cut-rate compared to previous Cubitron™ 2 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 Fibre Disc. Results are based on an automated, 30-minute, high pressure test on 1018 steel using 7 inch, 36+ grit fibre 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 aluminium until the end of life (end of life is determined to be 50% of the averaged cut rate of the first three minutes) using a 3" 3M™ Hard Back-Up, part number: 45091.

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.



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

Up to 88%



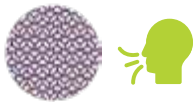
3M™ Cubitron™ 3 Fibre Discs help to reduce hand-arm vibration by up to **88%** when compared to other high-quality grinding wheels.[5]

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 Disc

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

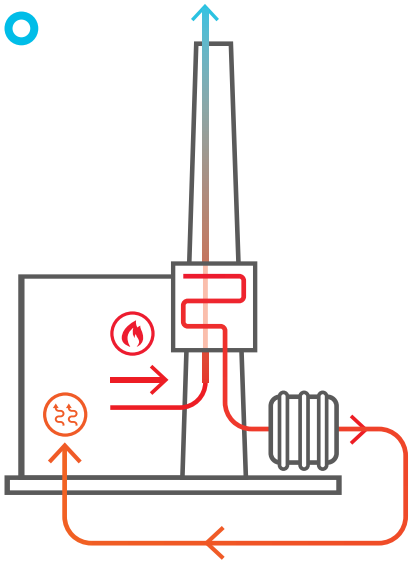


Projected landfill waste reduction of **80 tons per year in 2024** across our two largest coated abrasives manufacturing plants.

Increased energy efficiency

12 GWh

Up to **12 GWh** of recuperated heat energy annually (saving 2.98 tons of CO_2 emissions) at a bonded abrasives plant in Villach, Austria, starting 2025.





More circular materials sourcing

+30%

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

80t

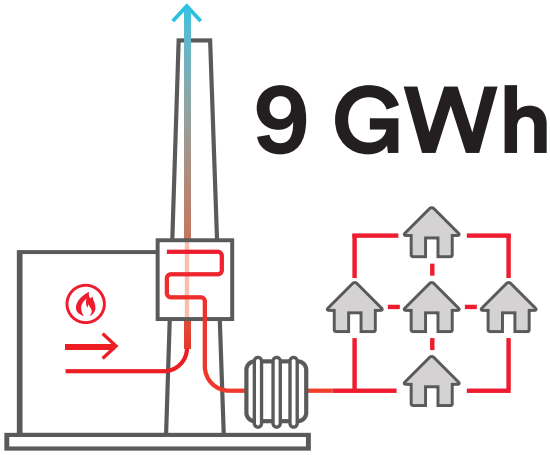
3M™ Cubitron™ 3 Fibre Discs manufactured using vulcanized fibre backing made from **100%** recycled cotton textiles.

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.

3M Science. Applied to Life.™

3M Abrasives
Customer Story



> “We quickly realized we couldn’t afford to use anything else but 3M™ Cubitron™ 3”

Graham Hanks
Production Manager at Reddish Electroplating

↓60% LESS Abrasives Used

Reddish Electroplating Ltd

Image: Tom Gibson – Professional Metalworker

About the company

Specializing in industrial hard chrome plating for engineering applications on cast steel and 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.”

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www.3M.com/Cubitron3



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 20 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 17 to find out more.

3M™ Cubitron™ 3 Cloth Belt 1184F

A new spin on saving time and labour 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 72 to find out more.

SEAM™
Sustainable European Abrasive Manufacturers

Sustainability matters to 3M Abrasives.

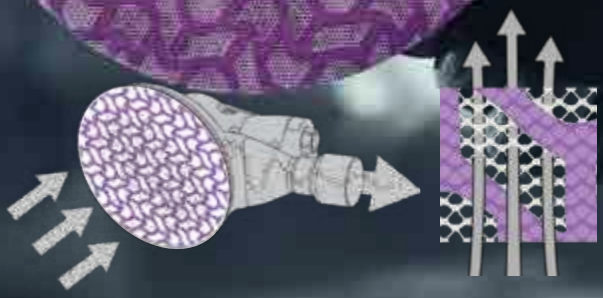
When you buy from the SEAM value chain, you are helping to build a sustainable future for our industry, for people and for the planet. 3M is a founding member of the SEAM abrasives manufacturers program and aligns to the world's highest standards of quality, safety and performance in a sustainable environment.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

Find out more at www.seam.earth

3M Xtract™ Clean Sanding Solutions

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

Virtually dust-free Sanding Solutions

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





Net Backing

Grades Available:
80+ to 320+
Finer grits available from 2026.



Film Backing

Grades Available:
80+ to 400+
Finer grits available from 2026.



Paper Backing

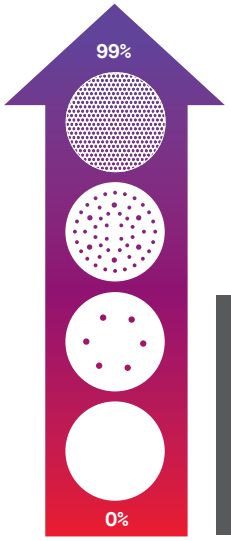
New Grades Available:
80+ to 1000+



Cloth Backing

Grades Available:
40+ to 320+

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 colours 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 19, 25, 38, 50, 76 and 101 mm
Turn to page 44 to find out more.

Available in sizes 115, 125, 150 and 180 mm
Turn to page 28 to find out more.

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

What's New!

Powerful performance that's easy to handle.



Powerful motor
13 Amps and up to 11,500 no-load RPM

More durable
Carbon Brushes

Large spindle lock
for more convenient disc change

Direct motor cooling
for higher overload capabilities

Extreme torque and high load bearing capacity
for the toughest applications

Quick adjusting guards
with multiple fixed-adjustment points to allow tool-free guard positioning in a variety of working angles

Variable Speed Dial
to adjust speed for specific applications

Dust filter
to protect motor from dust and debris

Constant electronics
level operation and reliable speed under load

Two–position
vibration control side handle
for higher user comfort enhanced control positioning in a variety of working angles

3M™ Electric Angle Grinder, 14291, 125 mm, Variable Speed

See page 32 for an overview of all 3M™ Electric Angle Grinders

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.



Right Angle Disc Systems

Choose the right disc for the job.

	Depressed Centre Grinding Wheels	Cut and Grind Wheels	Cut-Off Wheels	Flap Discs	Fibre Discs
					
Cutting		●	●		
Notching		●			
Gouging	○	●			
Fillet Weld Removal	●	●			
Bevelling	○	●		○	●
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	Aluminium 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	Aluminium oxide	Alumina zirconia	Blend of Precision-Shaped Ceramic Grain	Precision-Shaped Ceramic Grain
Abrasive cost per job	$$$	$$	$	$$
Total cost of job (abrasive, labour, processes)	$$$$	$$$	$$	$

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

3M™ Depressed Centre Grinding Wheels

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



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

3M ID	Dia x Thk x AH (mm)	Max RPM	Box/Case
T27			
7100303983	115 x 7 x 22	13,300	10/20
7100303982	125 x 7 x 22	12,250	10/20
7100303981	150 x 7 x 22	10,200	10/20
7100303980	180 x 7 x 22	8,500	10/20
7100303979	230 x 7 x 22	6,650	10/20
Gouge Special			
7100312955	125 x 7 x 22	12,250	10/20
7100303963	150 x 7 x 22	10,200	10/20
7100305453	180 x 7 x 22	8,500	10/20
7100373501	230 x 7 x 22	6,650	10/20

Make it a winning combination!

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



Winning Combinations

3M™ Cubitron™ 2 Flexible Grinding Wheels – T27*



- Designed to grind, shape and sand on a variety of metal materials
- 3M™ Precision Shaped Grain offer excellent cut rate and enhanced flexibility
- Resin bond helps retain strength and performance under grinding operations

3M ID	Dia x Thk x AH (mm)	Max RPM	Qty/Case
T27			
7100140055	100 x 3 x 16	13,300	200 ea/case
7100140059	115 x 3 x 22	13,300	200 ea/case
7100140056	115 x 3 x 22	13,300	200 ea/case
7100140057	125 x 3 x 22	12,250	200 ea/case
7100140060	125 x 3 x 22	12,250	200 ea/case
7100140058	180 x 4 x 22	8,500	100 ea/case

3M™ Silver Depressed Centre Grinding Wheel – T27*

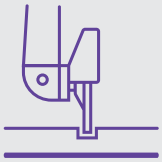


- Designed for heavy grinding, bevelling and weld removal
- May be used on a variety of substrates such as carbon steel and mill scale
- 3M Precision-Shaped Grain cuts exceptionally fast, helping increase productivity

3M ID	Dia x Thk x AH (mm)	Max RPM	Box/Case
T27			
7100141123	100 x 7 x 16	13,300	10/20
7100141083	115 x 7 x 22	13,300	10/20
7100141086	125 x 7 x 22	12,250	10/20
7100141089	150 x 7 x 22	10,200	10/20
7100141096	180 x 7 x 22	8,500	10/20
7100141099	230 x 7 x 22	6,650	10/20

Range Expansion

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



*Do not use on tools without guards.

3M™ Cubitron™ 3 Cut & Grind Wheels

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

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

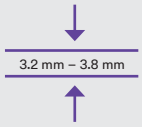


- Breakthrough proprietary molecular bonding technology
- Versatile — can be used as both a grinding wheel and a cut-off wheel
- Optimized for use on mild steel and stainless steel — for cutting, gouging, bevelling, notching and fillet weld removal
- Available with quick change attachment

3M ID	Dia x Thk x AH (mm)	Max RPM	Box/Case
T27			
7100305445	100 x 3.2 x 16	15,300	10/20
7100305450	100 x 4.2 x 16	15,300	10/20
7100305449	115 x 3.2 x 22	13,300	10/20
7100303975	115 x 4.2 x 22	13,300	10/20
7100305448	125 x 3.2 x 22	12,250	10/20
7100303974	125 x 4.2 x 22	12,250	10/20
7100305148	150 x 3.2 x 22	10,200	10/20
7100303973	150 x 4.2 x 22	10,200	10/20
7100305447	180 x 3.7 x 22	8,500	10/20
7100303972	180 x 4.2 x 22	8,500	10/20
7100305446	230 x 3.8 x 22	6,650	10/20
7100303971	230 x 4.2 x 22	6,650	10/20

Range Expansion

We've added a 3.2 and 3.8 mm option for applications requiring a thinner cutter profile. A thinner wheel makes it cut faster too!





3M™ Cut & Grind Wheels – T27*



- 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 (mm)	Max RPM	Box/Case
T27			
7100214038	115 x 4.2 x 22	13,300	10/20
7100214085	127 x 4.2 x 22	12,250	10/20
7100214087	152 x 4.2 x 22	10,200	10/20
7100214088	180 x 4.2 x 22	8,500	10/20
7100214089	230 x 4.2 x 22	6,650	10/20

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



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



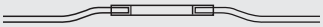
*Do not use on tools without guards.

3M™ Cut-Off Wheels

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

3M™ Cut-Off Wheels Selection Guide


Type 41


Type 42

Product	Mineral Type	Type	Performance
3M™ Cubitron™ 3	Precision-Shaped Grain	41	Premium
		42	Premium
3M™ Silver	Precision-Shaped Grain Blend	41	Premium
		42	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 resealable bags made of recycled (>30% PCR content) and/or chemically recyclable material.

3M™ Cubitron™ 3 Cut-Off Wheels – T41



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

3M ID	Dia x Thk x AH (mm)	Grade	Max RPM	Box/Case
7100304123	75 x 1 x 10	60+	21,000	25/50
7100303861	75 x 1 x 6.35	60+	21,000	25/50
7100304124	75 x 1 x 8	60+	21,000	25/50
7100304121	75 x 1 x 9.53	60+	21,000	25/50
7100303830	100 x 2 x 15.88	36+	15,300	25/50
7100304305	115 x 0.8 x 22	80+	13,300	25/50
7100304120	115 x 1 x 22	60+	13,300	25/50
7100304003	115 x 1.6 x 22	36+	13,300	25/50
7100304127	125 x 0.8 x 22	80+	12,250	25/50
7100304306	125 x 1 x 22	60+	12,250	25/50
7100304304	125 x 1.3 x 22	60+	12,250	25/50
7100303829	125 x 1.6 x 22	36+	12,250	25/50
7100304000	125 x 2 x 22	36+	12,250	25/50
7100305353	150 x 1.6 x 22	60+	10,200	25/50
7100304056	150 x 2 x 22	60+	10,200	25/50
7100305230	180 x 1.6 x 22	60+	8,500	25/50
7100303999	180 x 2 x 22	36+	8,500	25/50
7100303998	230 x 2 x 22	36+	6,650	25/50
7100303997	230 x 2.5 x 22	36+	6,650	25/50
7100303832	230 x 3 x 22	36+	6,650	25/50
T42				
7100303996	115 x 2.5 x 22	36+	13,300	25/50
7100303995	125 x 2.5 x 22	36+	12,250	25/50
7100303831	125 x 3 x 22	36+	12,250	25/50
7100303994	180 x 2.5 x 22	36+	8,500	25/50
7100303993	230 x 2.5 x 22	36+	6,650	25/50

3M™ Silver Cut-Off Wheel – T41



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

3M ID	Dia x Thk x AH (mm)	Grade	Max RPM	Quantity
7100139209	75 x 0.9 x 10	60+	20,000	50 ea/case
7100139207	75 x 0.9 x 6.35	60+	20,000	50 ea/case
7100139211	75 x 1.6 x 9.53	36+	20,000	50 ea/case
7100139213	100 x 0.9 x 6.35	60+	15,300	50 ea/case
7100139217	100 x 1 x 16	60+	15,300	50 ea/case
7100139216	100 x 1 x 9.53	60+	15,300	50 ea/case
7100139218	100 x 1.3 x 16	60+	15,300	50 ea/case
7100139219	105 x 1 x 10	60+	14,500	50 ea/case
7100139223	105 x 1.3 x 9.53	60+	14,500	500 ea/case
7100139227	115 x 1 x 22	60+	13,300	50 ea/case
7100139229	115 x 1.6 x 22	36+	13,300	50 ea/case
7100139232	125 x 1 x 22	60+	12,000	50 ea/case
7100139234	125 x 1.6 x 22	36+	12,000	50 ea/case
7100139238	125 x 2 x 22	36+	12,000	50 ea/case
7100139235	150 x 1.6 x 22	36+	10,200	50 ea/case
7100139240	180 x 2 x 22	36+	8,500	50 ea/case
7100141045	180 x 3 x 22	36+	8,500	50 ea/case
7100141075	230 x 3 x 22	36+	6,650	50 ea/case
7100141068	230 x 2 x 22	36+	13,300	50 ea/case
T42				
7100141056	115 x 2.5 x 22	36+	13,300	50 ea/case
7100141069	125 x 2.5 x 22	36+	12,000	50 ea/case
7100141067	180 x 2.5 x 22	36+	8,500	50 ea/case
7100141070	230 x 2.5 x 22	36+	6,650	50 ea/case

Make it a winning combination!
Pair this product with Scotch-Brite™ Deburr and Finish PRO Unitized Wheel – T27
Winning Combinations

For safe applications using cut-off wheels, refer to EN12413 for details. **Always** use appropriate wheel guards. Refer to EN12413:2019-12 for guarding requirements.

Sustainability matters to 3M Abrasives.

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

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

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

SEAM™
Sustainable European Abrasive Manufacturers

Find out more at www.seam.earth

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

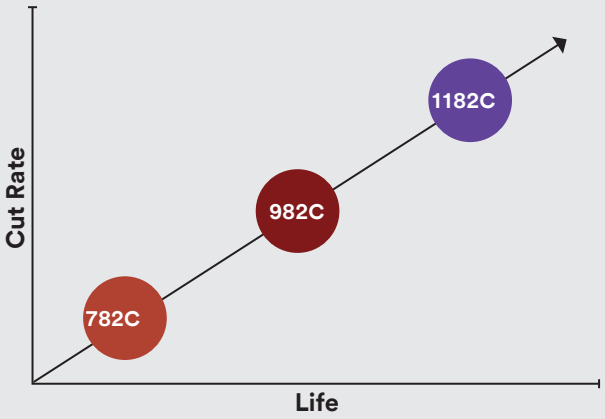




Selection Guide for Carbon Steel

For fast cutting when grinding and blending carbon steel.

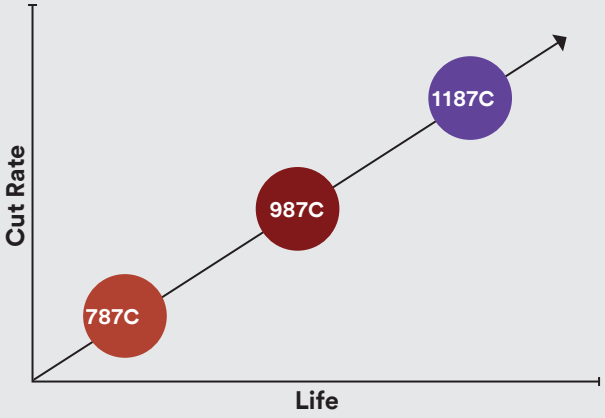
Product	Mineral Type	Performance
3M™ Cubitron™ 3 Fibre Disc 1182C	Precision-Shaped Grain	Best
3M™ Cubitron™ 2 Fibre Disc 982C	Precision-Shaped Grain	Better
3M™ Fibre Disc 782C	Precision-Shaped Grain	Good
See digital catalogue for additional product skus.		



Selection Guide for Stainless Steel or Aluminium

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

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 catalogue for additional product skus.		



3M™ Cubitron™ 3 Fibre Discs



3M™ Cubitron™ 3 Fibre Disc 1182C – Slotted

- 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 x AH (mm)	Grade	Max RPM	Box/Case
7100309905	100 x 16	36+	15,300	25/100
7100349563	100 x 16	60+	15,300	25/100
7100349570	100 x 16	80+	15,300	25/100
7100308530	115 x 22	36+	13,300	25/100
7100349583	115 x 22	60+	13,300	25/100
7100349564	115 x 22	80+	13,300	25/100
7100308531	125 x 22	36+	12,250	25/100
7100349498	125 x 22	60+	12,250	25/100
7100349571	125 x 22	80+	12,250	25/100
7100309790	150 x 22	36+	10,200	25/100
7100349676	150 x 22	60+	10,200	25/100
7100348572	150 x 22	80+	10,200	25/100
7100309794	180 x 22	36+	8,500	25/100
7100349667	180 x 22	60+	8,500	25/100
7100349585	180 x 22	80+	8,500	25/100

* 60+ and 80+ are new grades.



3M™ Cubitron™ 3 Fibre Disc 1187C – Slotted

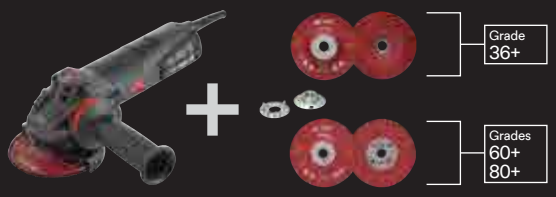
- 3M's re-engineered Precision-Shaped Grain, now with curved sides, using a proprietary breakthrough method helps increase productivity and lower overall grinding costs
- Long lasting and faster cutting to help increase productivity
- Prioritize workplace well-being and motivation with less pressure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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100309798	100 x 16	36+	15,300	25/100
7100349572	100 x 16	60+	15,300	25/100
7100349573	100 x 16	80+	15,300	25/100
7100309789	115 x 22	36+	13,300	25/100
7100349586	115 x 22	60+	13,300	25/100
7100349587	115 x 22	80+	13,300	25/100
7100310794	125 x 22	36+	12,250	25/100
7100349581	125 x 22	60+	12,250	25/100
7100349590	125 x 22	80+	12,250	25/100
7100309787	150 x 22	36+	10,200	25/100
7100358917	150 x 22	60+	10,200	25/100
7100349672	150 x 22	80+	10,200	25/100
7100309795	180 x 22	36+	8,500	25/100
7100349679	180 x 22	60+	8,500	25/100
7100349663	180 x 22	80+	8,500	25/100

Tech Tips:

Combine with 3M™ Fibre Disc Back-up Pads and 3M™ Electric Grinder to optimise performance of 3M™ Cubitron™ 3 Fibre Discs 1182C and 1187C including abrasive life, cut rate and consistency.

Get the full system advantage.



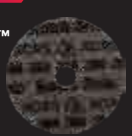
3M™ Electric Grinder
See page 32

High Performance Red Back-Up Pads
See page 33

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

Make it a winning combination!

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



Winning Combinations

Find the product information on p. 44

Scan this QR code to learn more.

3M™ Cubitron™ 2 Fibre Discs

3M™ Cubitron™ 2 Fibre Disc 982C – Slotted



- 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 AH (mm)	Grade	Max RPM	Box/Case
7000028192	115 x 22	36+	13,300	25/100
7000028194	115 x 22	60+	13,300	25/100
7000028196	115 x 22	80+	13,300	25/100
7000028191	125 x 22	36+	12,000	25/100
7100142581	125 x 22	36+	12,000	25/100
7000028195	125 x 22	60+	12,000	25/100
7000028197	125 x 22	80+	12,000	25/100
7000045230	150 x 22	36+	10,000	25/100
7000045234	150 x 22	60+	10,200	25/100
7000000393	180 x 22	36+	8,500	25/100
7000028201	180 x 22	36+	8,500	25/100
7000028203	180 x 22	60+	8,500	25/100
7000028204	180 x 22	80+	8,500	25/100
7000144562	230 x 22	36+	6,600	25/100
Centre Hole				
7000000402	100 x 16	60+	15,200	25/100
7000000403	100 x 16	60+	15,000	25/100
7000000404	100 x 16	80+	15,000	25/100
7000148153	115 x 22	36+	13,300	25/100
7000000392	125 x 22	36+	12,000	25/100
7000028198	180 x 22	60+	8,500	25/100
7000045132	230 x 22	36+	6,600	25/100

3M™ Cubitron™ 2 Fibre Disc 987C – Slotted



- 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 AH (mm)	Grade	Max RPM	Box/Case
7000045159	115 x 22	36+	13,200	25/100
7000045160	115 x 22	60+	13,200	25/100
7000045161	115 x 22	80+	13,200	25/100
7000028193	125 x 22	36+	12,000	25/100
7000028199	125 x 22	60+	12,000	25/100
7000028200	125 x 22	80+	12,000	25/100
7000045188	180 x 22	36+	8,500	25/100
7000045186	180 x 22	60+	8,500	25/100
7000045187	180 x 22	80+	8,500	25/100
Centre Hole				
7000000405	100 x 16	36+	15,200	25/100
7000000406	100 x 16	60+	15,200	25/100
7000000407	100 x 16	80+	15,200	25/100

Tech Tips:

Weld Blending Mild Steel for Paint Prep

Step 1	Fibre Disc 982C Grade 36+
Step 2	Scotch-Brite™ Precision Heavy Duty Surface Conditioning Discs on black ribbed pad
Step 3	Apply 3 mil paint
Results	Increase productivity; reduce abrasive cost

3M™ Fibre Discs

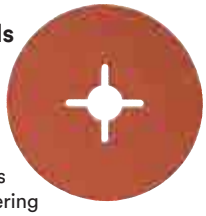
3M™ Fibre Disc 782C Slotted for Carbon Steel



- 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 AH (mm)	Grade	Max RPM	Qty/Case
7100099264	100 x 16	36+	15,300	25/100
7100099249	100 x 16	60+	15,300	25/100
7100099092	100 x 16	80+	15,300	25/100
7100099576	125 x 22	36+	12,000	25/100
7100099094	125 x 22	60+	12,000	25/100
7100099095	125 x 22	80+	12,000	25/100
7100099284	180 x 22	36+	8,500	25/100
7100099091	180 x 22	60+	8,500	25/100
7100099237	180 x 22	80+	8,500	25/100
Centre Hole				
7100099545	115 x 22	36+	13,300	25/100
7100099250	115 x 22	60+	13,300	25/100
7100099093	115 x 22	80+	13,300	25/100

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



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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100099238	100 x 16	36+	15,300	25/100
7100099258	100 x 16	60+	15,300	25/100
7100099252	100 x 16	80+	15,300	25/100
7100099241	100 x 16	120+	15,300	25/100
7100099787	115 x 22	36+	13,300	25/100
7100099788	125 x 22	36+	12,000	25/100
7100099245	125 x 22	60+	12,000	25/100
7100099256	125 x 22	80+	12,000	25/100
7100099546	125 x 22	120+	12,000	25/100
7100099257	180 x 22	36+	8,500	25/100
7100099247	180 x 22	60+	8,500	25/100
7100099240	180 x 22	80+	8,500	25/100
7100099243	180 x 22	120+	8,500	25/100
Centre Hole				
7100099260	115 x 22	60+	13,300	25/100
7100099254	115 x 22	80+	13,300	25/100
7100099791	115 x 22	120+	13,300	25/100

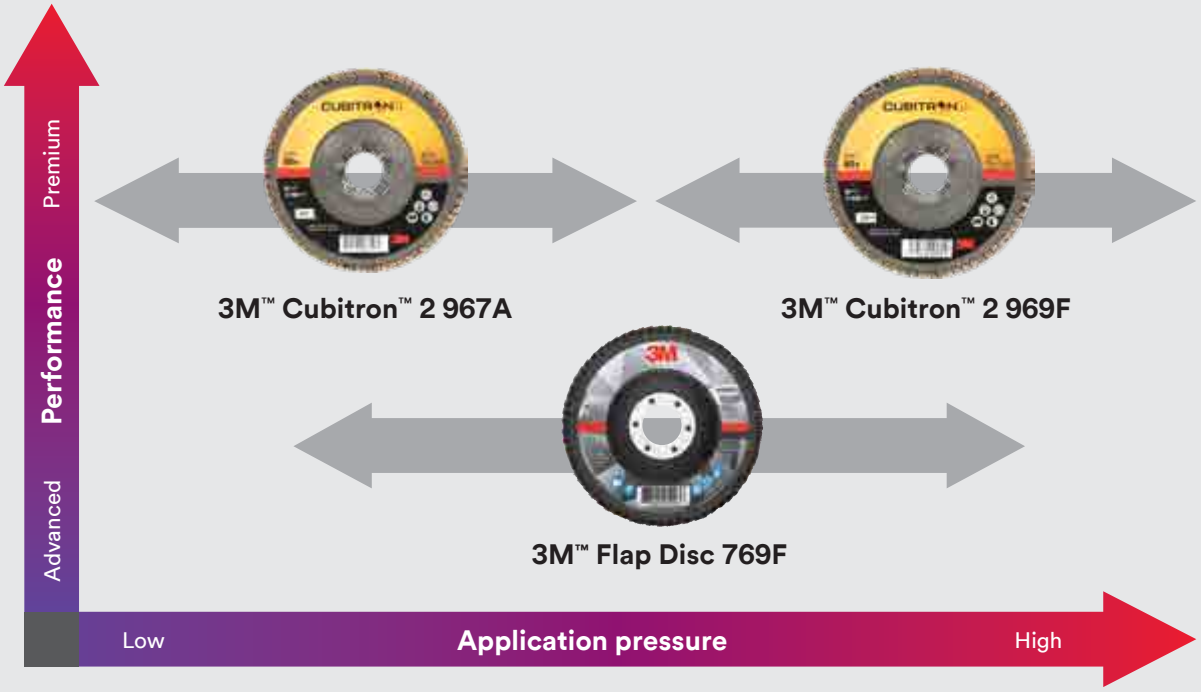
3M™ Flap Discs

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

3M™ Flap Disc Selection Guide

Product	Mineral Type	Type of Backing	Performance	Flat	Conical	Flat	Conical
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	●	●	●	●
3M™ Flap Disc 566A	Alumina Zirconia	Polyester Cotton	Good	●	●	●	●

Performance Under Pressure: Choose the right disc for the job



Medium duty
- Weld removal
- Scale removal
- Oxide removal
- Surface prep
- Blending
- Light cleaning

Heavy duty
- Bevelling
- Edge deburring
- Aggressive weld removal

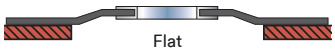
Note: All Flap Wheels need to be run with guards.

3M™ Flap Discs

3M™ Cubitron™ 2 Flap Discs 969F



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



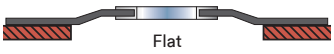


3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
Conical				
7100105847	115 x 22	40+	13,200	10 ea/case
7100105848	115 x 22	60+	13,200	10 ea/case
7100105849	115 x 22	80+	13,200	10 ea/case
7100105850	125 x 22	40+	12,000	10 ea/case
7100105851	125 x 22	60+	12,000	10 ea/case
7100105852	125 x 22	80+	12,000	10 ea/case
7100105853	150 x 22	40+	10,200	15 ea/case
7100105854	150 x 22	60+	10,200	15 ea/case
7100105855	150 x 22	80+	10,200	15 ea/case
7100105856	180 x 22	40+	8,500	10 ea/case
7100105857	180 x 22	60+	8,500	10 ea/case
7100105858	180 x 22	80+	8,500	10 ea/case
Flat				
7100105859	115 x 22	40+	13,200	10 ea/case
7100105860	115 x 22	60+	13,200	10 ea/case
7100105861	115 x 22	80+	13,200	10 ea/case
7100105862	125 x 22	40+	12,000	10 ea/case
7100105863	125 x 22	60+	12,000	10 ea/case
7100105864	125 x 22	80+	12,000	10 ea/case
7100105865	180 x 22	40+	8,500	10 ea/case
7100105866	180 x 22	60+	8,500	10 ea/case
7100105867	180 x 22	80+	8,500	10 ea/case

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 AH (mm)	Grade	Max RPM	Box/Case
Conical				
7000104359	115 x 22	40+	13,200	10 ea/case
7000104360	115 x 22	60+	13,200	10 ea/case
7000104361	115 x 22	80+	13,200	10 ea/case
7100011310	125 x 22	40+	12,000	10 ea/case
7100011144	125 x 22	60+	12,000	10 ea/case
7100011569	125 x 22	80+	12,000	10 ea/case
7100026189	150 x 22	60+	10,200	10 ea/case
7100025343	150 x 22	80+	10,200	10 ea/case
7100026188	150 x 22	40+	10,200	10 ea/case
7000104365	180 x 22	40+	8,500	10 ea/case
7000104366	180 x 22	60+	8,500	10 ea/case
7000104367	180 x 22	80+	8,500	10 ea/case
Flat				
7000104371	115 x 22	40+	13,200	10 ea/case
7000104372	115 x 22	60+	13,200	10 ea/case
7000104373	115 x 22	80+	13,200	10 ea/case
7000104374	125 x 22	40+	12,000	10 ea/case
7000104375	125 x 22	60+	12,000	10 ea/case
7000104376	125 x 22	80+	12,000	10 ea/case
7000104377	180 x 22	40+	8,500	10 ea/case
7000104378	180 x 22	60+	8,500	10 ea/case
7000104379	180 x 22	80+	8,500	10 ea/case

TECH TIP:

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

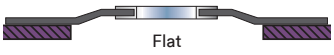
Note: All Flap Wheels need to be run with guards.

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 AH (mm)	Grade	Max RPM	Box/Case
Conical				
7100196818	115 x 22	40+	13,300	10/100
7100196816	115 x 22	60+	13,300	10/100
7100196789	115 x 22	80+	13,300	10/100
7100196539	115 x 22	120+	13,300	10/100
7100196812	125 x 22	40+	12,000	10/100
7100196797	125 x 22	60+	12,000	10/100
7100196791	125 x 22	80+	12,000	10/100
7100196815	125 x 22	120+	12,000	10/100
7100239219	150 x 22	40+	10,200	5/20
7100239223	150 x 22	60+	10,200	5/20
7100240279	150 x 22	80+	10,200	5/20
7100239224	150 x 22	120+	10,200	5/20
7100197061	180 x 22	40+	8,600	5/20
7100196798	180 x 22	60+	8,600	5/20
7100196794	180 x 22	80+	8,600	5/20
7100196793	180 x 22	120+	8,600	5/20
Flat				
7100196540	115 x 22	40+	13,300	10/100
7100196817	115 x 22	60+	13,300	10/100
7100196820	115 x 22	80+	13,300	10/100
7100196819	115 x 22	120+	13,300	10/100
7100196813	125 x 22	40+	12,000	10/100
7100196799	125 x 22	60+	12,000	10/100
7100196790	125 x 22	80+	12,000	10/100
7100196821	125 x 22	120+	12,000	10/100
7100196538	180 x 22	40+	8,600	5/20
7100196800	180 x 22	60+	8,600	5/20
7100197431	180 x 22	80+	8,600	5/20
7100196792	180 x 22	120+	8,600	5/20



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!

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

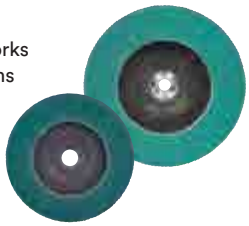
Tech Tip:

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
- Heavyweight polyester-backed flaps provide longer life on high-pressure applications such as sharp-edge work and bevelling

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
Conical				
7000104325	115 x 22	P40	13,000	10/100
7000104327	115 x 22	P60	13,000	10/100
7000104329	115 x 22	P80	13,000	10/100
7000038224	125 x 22	P40	12,000	10/100
7000038225	125 x 22	P60	12,000	10/100
7000038226	125 x 22	P80	12,000	10/100
Flat				
7000104324	115 x 22	P40	13,000	10/100
7000104326	115 x 22	P60	13,200	10/100
7000104328	115 x 22	P80	13,000	10/100
7000104330	125 x 22	P40	12,000	10/100
7000104331	125 x 22	P60	12,000	10/100
7000104332	125 x 22	P80	12,000	10/100

3M™ Flap Discs 566A



- Alumina zirconia self-sharpens and provides extended life and more cutting power than aluminium oxide, reducing replacement costs
- Strong, Y-weight polyester-cotton backing offers flexibility
- Good for sharp edge work and flat finishing

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
Conical				
7000104473	100 x 22	P40	13,000	10/100
7000104458	115 x 22	P40	13,000	10/100
7000104461	115 x 22	P60	13,000	10/100
7000104465	115 x 22	P80	13,000	10/100
7000104472	115 x 22	P120	13,000	10/100
7000104457	125 x 22	P40	12,000	10/100
7000104459	125 x 22	P60	12,000	10/100
7000104464	125 x 22	P80	12,000	10/100
7000104469	125 x 22	P120	12,000	10/100
7000104471	180 x 22	P40	8,600	10/100
7000104479	180 x 22	P60	8,600	10/100
7000104478	180 x 22	P80	8,600	10/100
Flat				
7000104475	100	P60	13,000	10/100
7000104460	115 x 22	P40	13,000	10/100
7000104462	115 x 22	P60	13,000	10/100
7000104468	115 x 22	P80	13,000	10/100
7000104470	115 x 22	P120	13,000	10/100
7000104466	125 x 22	P60	12,000	10/100
7000104467	125 x 22	P80	12,000	10/100
7000104474	125 x 22	P120	12,000	10/100
7000104482	180 x 22	P60	8,600	10/100

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

Scotch-Brite™ Discs: Clean and Strip

Choose your Cut.

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

Scotch-Brite™ Clean and Strip XT Pro Discs



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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
XO-DC (Discs Centre Hole)				
7100176374	100 x 13	S Extra Coarse	6,000	10/30
7100176347	150 x 13	S Extra Coarse	6,000	10/20
7100176348	200 x 13	S Extra Coarse	N/A	
XO-DB (Fibre Backing)				
7100192333	115 x 22	S Extra Coarse	10,000	10 ea/case
7100192334	180 x 22	S Extra Coarse	6,500	10 ea/case
XO-RD (Rigid Disc)				
7100192330	115 x 22	S Extra Coarse	13,000	10 ea/case
7100192331	125 x 22	S Extra Coarse	12,250	10 ea/case
7100192335	125 x M14	S Extra Coarse	12,250	10 ea/case
7100192332	180 x 22	S Extra Coarse	8,500	10 ea/case

Make it a winning combination!

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



Winning Combinations

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



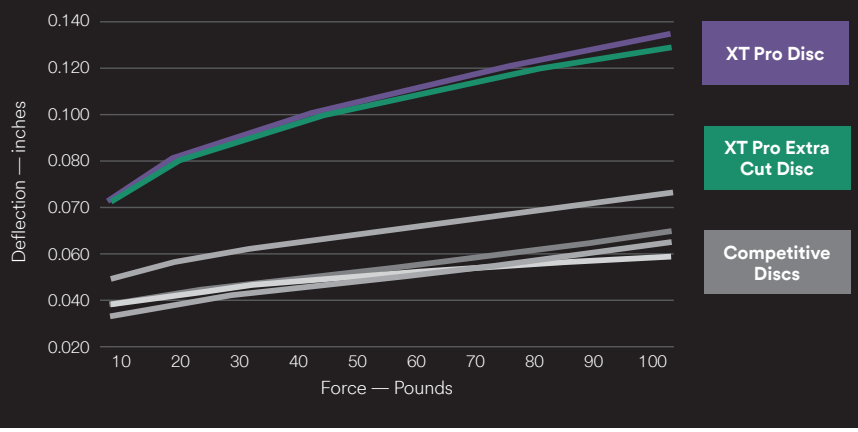
- Quickly removes heavy rust, thick paint, corrosion and cleans welds
- Aluminium oxide mineral aggressively removes top layer and cleans to the bare metal underneath
- High conformability provides a larger contact patch for faster removal rates
- High-strength fibre resists chunking and performs well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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
XC-DC				
7100175138	100 x 13	A Extra Coarse	8,000	10/30
7100175139	150 x 13	A Extra Coarse	6,000	10/20
7100191877	150 x 22	A Extra Coarse	6,000	10 ea/case
7100175140	200 x 13	A Extra Coarse		12 ea/case
XC-ZS				
7100192735	75 x 13 x 6	A Extra Coarse	8,000	10 ea/case
7100192737	100 x 13 x 6	A Extra Coarse	8,000	10 ea/case
7100192738	150 x 13 x 8	A Extra Coarse	6,000	6 ea/case
XC-ZR				
7100192712	100 x 13 x 6	S Extra Coarse	8,000	10 ea/case
7100192733	125 x 13 x 6	S Extra Coarse	7,000	8 ea/case
7100192734	150 x 13 x 6	S Extra Coarse	6,000	6 ea/case
XC-DB (Fibre Backing)				
7100192339	115 x 22	A Extra Coarse	10,000	10 ea/case
7100192340	180 x 22	A Extra Coarse	6,500	10 ea/case
XB-ZS				
7100192736	75 x 25 x 6	S Extra Coarse	8,000	10 ea/case
7100192739	100 x 25 x 6	S Extra Coarse	8,000	10 ea/case

Conformability Test

Better contact for faster removal

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



Scotch-Brite™ Discs

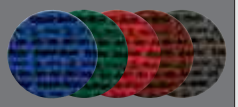
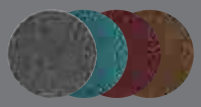
Make tough jobs easier with Scotch-Brite™. These load-resistant nonwoven abrasive discs allow you to achieve a uniform finish in fewer steps without damaging the base material.

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

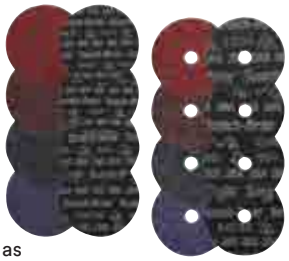
Scotch-Brite™ SE Surface Conditioning Discs are also available for Heavy Duty/High Pressure applications.

SFN Super Fine → VFN Very Fine → FIN Fine → MED Medium → CRS Coarse → XCRS Extra Coarse → XXCRS X-Extra Coarse

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 AH (mm)	Grade	Max RPM	Box/Case
No Hole Configuration				
7100358857	102 x NH	X-Extra Coarse	13,000	100 ea/case
7100358883	102 x NH	Extra Coarse	13,000	100 ea/case
7100358858	102 x NH	Coarse	13,000	100 ea/case
7100358156	102 x NH	Medium	13,000	100 ea/case
7100358902	102-24.4/50.8 x NH	X-Extra Coarse	13,000	50 ea/case
7100358872	102-24.4/50.8 x NH	Extra Coarse	13,000	50 ea/case
7100358903	102-24.4/50.8 x NH	Coarse	13,000	50 ea/case
7100358157	102-24.4/50.8 x NH	Medium	13,000	50 ea/case
7100358905	127 x NH	X-Extra Coarse	10,000	50 ea/case
7100358924	127 x NH	Extra Coarse	10,000	50 ea/case
7100358904	127 x NH	Coarse	10,000	50 ea/case
7100358923	127 x NH	Medium	10,000	50 ea/case
7100358871	152 x NH	X-Extra Coarse	10,000	50 ea/case
7100358926	152 x NH	Extra Coarse	10,000	50 ea/case
7100358906	152 x NH	Coarse	10,000	50 ea/case
7100358925	152 x NH	Medium	10,000	50 ea/case
7100358854	180 x NH	X-Extra Coarse	8,600	25 ea/case
7100358890	180 x NH	Extra Coarse	8,600	25 ea/case
7100358898	180 x NH	Coarse	8,600	25 ea/case
7100358859	180 x NH	Medium	8,600	25 ea/case
Arbor Hole				
7100358887	102 x 16	X-Extra Coarse	15,000	100 ea/case
7100358861	102 x 16	Extra Coarse	15,000	100 ea/case
7100358855	102 x 16	Coarse	15,000	100 ea/case
7100358860	102 x 16	Medium	15,000	100 ea/case
7100359467	102-24.4/50.8 x 22	X-Extra Coarse	13,300	50 ea/case
7100359465	102-24.4/50.8 x 22	Extra Coarse	13,300	50 ea/case
7100358856	102-24.4/50.8 x 22	Coarse	13,300	50 ea/case
7100358896	102-24.4/50.8 x 22	Medium	13,300	50 ea/case
7100359469	127 x 22	X-Extra Coarse	12,000	50 ea/case
7100359474	127 x 22	Extra Coarse	12,000	50 ea/case
7100359468	127 x 22	Coarse	12,000	50 ea/case
7100359473	127 x 22	Medium	12,000	50 ea/case
7100359475	180 x 22	X-Extra Coarse	8,600	25 ea/case
7100358899	180 x 22	Extra Coarse	8,600	25 ea/case
7100358886	180 x 22	Coarse	8,600	25 ea/case
7100358893	180 x 22	Medium	8,600	25 ea/case

Scotch-Brite™ Precision Surface Conditioning Disc (PN-DH): Hook and Loop

- Sets a new standard in surface conditioning performance
- With 3M™ precision shaped grain technology - setting a new standard of performance
- Conformable disc conditions surfaces without gouging, undercutting, or damaging the base material
- Suitable for aluminium and soft metals, carbon steel, stainless steel, composite, plastics and more



3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
No Hole Configuration				
7100274671	100 x NH	A Very Fine	15,000	25/100
7100274670	100 x NH	A Fine	15,000	25/100
7100274669	100 x NH	Medium+	15,000	25/100
7100274705	100 x NH	Coarse+	15,000	25/100
7100274706	100 x NH	Extra Coarse+	15,000	25/100
7100274224	115 x NH	A Very Fine	13,300	25/100
7100274222	115 x NH	A Fine	13,300	25/100
7100274223	115 x NH	Medium+	13,300	25/100
7100274273	115 x NH	Coarse+	13,300	25/100
7100274270	115 x NH	Extra Coarse+	13,300	25/100
7100274277	125 x NH	A Very Fine	12,000	25/100
7100274274	125 x NH	A Fine	12,000	25/100
7100274271	125 x NH	Medium+	12,000	25/100
7100274275	125 x NH	Coarse+	12,000	25/100
7100274272	125 x NH	Extra Coarse+	12,000	25/100
7100274663	150 x NH	A Fine	10,000	25/100
7100274704	150 x NH	A Very Fine	10,000	25/100
7100274662	150 x NH	Medium+	10,00	25/100
7100274660	150 x NH	Coarse+	10,000	25/100
7100274661	150 x NH	Extra Coarse+	9,000	25/100
7100275253	180 x NH	A Very Fine	8,600	25/100
7100275255	180 x NH	A Fine	8,600	25/100
7100275258	180 x NH	Medium+	8,600	25/100
7100275259	180 x NH	Coarse+	8,600	25/100
7100275256	180 x NH	Extra Coarse+	8,600	25/100
Arbor Hole				
7100275838	100 x 16	A Very Fine	15,000	25/100
7100275837	100 x 16	A Fine	15,000	25/100
7100275899	100 x 16	Medium+	15,000	25/100
7100275261	100 x 16	Coarse+	15,000	25/100
7100275260	100 x 16	Extra Coarse+	15,000	25/100
7100275836	115 x 22	A Fine	13,300	25/100
7100275844	115 x 22	Medium+	13,300	25/100
7100274279	115 x 22	Coarse+	13,300	25/100
7100274225	115 x 22	Extra Coarse+	13,300	25/100
7100275845	115 x 22	A Very Fine	13,300	25/100
7100274228	125 x 22	A Very Fine	12,000	25/100
7100276268	125 x 22	A Fine	12,000	25/100
7100274229	125 x 22	Medium+	12,000	25/100
7100274227	125 x 22	Coarse+	12,000	25/100
7100274226	125 x 22	Extra Coarse+	12,000	25/100
7100274668	180 x 22	A Very Fine	8,600	25/100
7100274667	180 x 22	A Fine	8,600	25/100
7100274666	180 x 22	Medium+	8,600	25/100
7100274665	180 x 22	Coarse+	8,600	25/100
7100274664	180 x 22	Extra Coarse+	8,600	25/100

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

Scotch-Brite™ Precision Surface Conditioning Disc Durable Backed (PN-DB): Hook and Loop

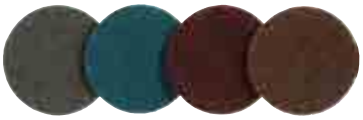
- Now with 3M™ Precision-Shaped Grain technology, setting a new benchmark in performance
- Improve surfaces effortlessly without significantly altering the workpiece
- Open web construction helps resist loading, ensuring optimal performance and extended disc life



3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100327712	100 x 16	Coarse+	15,300	10/40
7100327711	100 x 16	Extra Coarse+	15,300	10/40
7100327710	115 x 22	Coarse+	13,300	10/40
7100327818	115 x 22	Extra Coarse+	13,300	10/40
7100327709	125 x 22	Coarse+	12,250	10/40
7100327708	125 x 22	Extra Coarse+	12,250	10/40



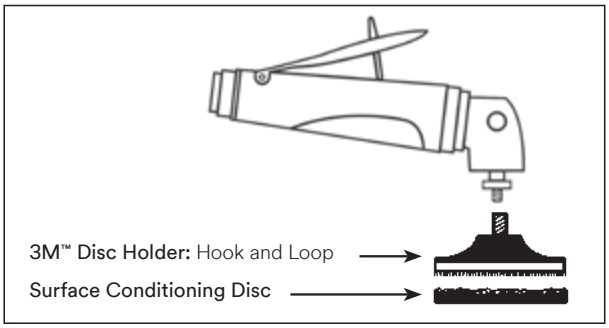
Scotch-Brite™ SC Surface Conditioning Discs:



- Aluminium 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 AH (mm)	Grade	Max RPM	Box/Case
No Hole Configuration				
7100233813	115 x NH	S Super Fine	13,000	20 ea/case
7100233439	115 x NH	A Very Fine	13,000	20 ea/case
7100233776	115 x NH	A Medium	13,000	20 ea/case
7100233774	115 x NH	A Coarse	13,000	20 ea/case
7100234022	125 x NH	S Super Fine	10,000	20 ea/case
7100233440	125 x NH	A Very Fine	10,000	20 ea/case
7100233806	125 x NH	A Medium	10,000	20 ea/case
7100233623	125 x NH	A Coarse	10,000	20 ea/case
7100233777	150 x NH	A Very Fine	8,000	20 ea/case
7100233814	150 x NH	A Medium	8,000	20 ea/case
7100233793	180 x NH	S Super Fine	6,000	20 ea/case
7100233805	180 x NH	A Very Fine	6,000	20 ea/case
7100233804	180 x NH	A Medium	6,000	20 ea/case
7100233606	180 x NH	A Coarse	6,000	20 ea/case
Arbor Hole				
7100233781	100 x 16	A Very Fine	13,000	22 ea/case
7100233780	100 x 16	A Medium	13,000	22 ea/case
7100233605	100 x 16	A Coarse	13,000	22 ea/case
7100233778	115 x 10	A Medium	13,000	20 ea/case
7100233611	115 x 10	A Coarse	13,000	20 ea/case
7100233795	115 x 22	A Very Fine	13,000	20 ea/case
7100233812	115 x 22	A Medium	13,000	20 ea/case
7100233608	115 x 22	A Coarse	13,000	20 ea/case
7100234021	125 x 10	A Very Fine	10,000	20 ea/case
7100233810	125 x 10	A Medium	10,000	20 ea/case
7100234024	125 x 10	A Coarse	10,000	20 ea/case
7100234045	125 x 22	A Very Fine	10,000	20 ea/case
7100233803	125 x 22	A Medium	10,000	20 ea/case
7100233609	125 x 22	A Coarse	10,000	20 ea/case
7100233782	150 x 10	A Medium	8,000	20 ea/case
7100233441	150 x 10	A Coarse	8,000	20 ea/case
7100233610	180 x 10	A Coarse	6,000	20 ea/case
7100233809	180 x 22	A Very Fine	6,000	20 ea/case
7100233775	180 x 22	A Medium	6,000	20 ea/case
7100233794	180 x 22	A Coarse	6,000	20 ea/case

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



Scotch-Brite™ Discs

Scotch-Brite™ Coating Removal Discs: Hook and Loop (CR-DH)



- 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	Dia x AH (mm)	Grade	Max RPM	Box/Case
7000046011	114 x NH	S Extra Coarse	12,000	5/20
7000120846	180 x NH	S Extra Coarse	6,000	2/10
7000046032	114	S Extra Coarse	12,000	40 ea/case
7000046033	127	S Extra Coarse	10,000	40 ea/case
7000086426	152 x 50,8	S Extra Coarse	8,000	1 ea/case

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 AH (mm)	Grade	Max RPM	Box/Case
7100359794	114 x 22	2S Fine	11,000	5 ea/case
7100300907	114 x 22	6C Medium	11,000	5 ea/case
7100300906	114 x 22	8C Coarse	11,000	5 ea/case

Scotch-Brite™ Clean and Finish Discs: Hook and Loop



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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100139675	150 x 10	A Very Fine	4,000	25/100

Scotch-Brite™ EXL Unitized Discs XL-UD



- Strong and durable unitized construction that is well suited for deburring and polishing applications.
- Abrasive deburrs and finishes with minimal change to workpiece geometry
- Minimizes heat build up to lessen impact on heat-sensitive materials

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100300856	115 x 22	2S Fine	11,000	5 ea/case
7100300868	115 x 22	6S Fine	11,000	5 ea/case
7100300864	115 x 22	8A Coarse	11,000	5 ea/case

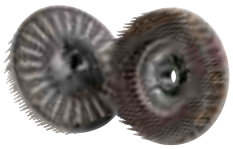
Scotch-Brite™ HS Blend & Finish Discs



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

3M ID	Dia x AH (mm)	Grade	Max RPM	Box/Case
7000046258	150 x 12.7	A Medium	4,000	100 ea/case

Scotch-Brite™ 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	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100138287	115 x M14	P50	12,000	5/10
7100138288	115 x M14	P80	12,000	5/10
7100138289	115 x M14	P120	12,000	5/10

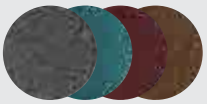
Scotch-Brite™ Stripe Removal Disc SR-DC



- For removing vinyl stripes, numbers, letters and graphics from gel coat and painted marine surfaces
- Can be mounted on a bench motor
- Won't scratch or damage acrylic enamel or urethane paint

3M ID	Dia x AH (mm)	Colour	Max RPM	Box/Case
7000028458	100 x 9.5	White	4,000	5 ea/case

Finishing Guide by Substrate

	Scotch-Brite™ Surface Conditioning Discs	Mineral	Grade	Substrate Roughness Average (RA) 1018 Mild Steel micron	304 Stainless Steel micron	6061 Aluminium micron
Multi-Purpose	**Precision** 	PSG 3M Precision-Shaped Grain	VFN	0.2 – 0.4	0.2 – 0.3	0.5 – 1.0
			FIN	0.4 – 0.6	0.3 – 0.5	0.8 – 1.4
			MED	0.5 – 1.0	0.4 – 0.6	1.6 – 2.0
			CRS	1.0 – 1.3	0.5 – 0.7	1.7 – 2.2
			XCRS	1.2 – 1.9	0.9 – 1.4	3.0 – 3.6
	SC 	A/O + SiC Aluminium oxide/ Silicon carbide	SFN	N/A	0.1 – 0.2	0.4 – 0.6
			VFN	0.2 – 0.4	0.2 – 0.3	0.5 – 0.7
			MED	0.3 – 0.5	0.4 – 0.6	0.8 – 1.2
			CRS	0.4 – 0.8	0.6 – 0.8	1.5 – 2.2
Heavy Duty	**Precision Heavy Duty** New 	PSG 3M Precision-Shaped Grain	MED	0.4 – 0.6	0.4 – 0.6	1.1 – 1.6
			CRS	0.6 – 1.0	0.4 – 0.8	1.9 – 2.1
			XCRS	1.2 – 1.6	0.6 – 1.0	3.0 – 3.5
			XXCRS	1.7 – 2.1	0.8 – 1.4	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 analyse, 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.

3M™ Power Tools: Right Angle Disc Systems

3M™ Electric Angle Grinders

- 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	Tool Diameter (mm)	Power	Speed	Max RPM	Box/Case
Plug Type E						
7100249666	14253	115	1900 W	Fixed	11,500	1 ea/case
7100249667	14281	115	1900 W	Variable	11,500	1 ea/case
7100249665	14273	125	1900 W	Fixed	11,500	1 ea/case
7100249668	14291	125	1900 W	Variable	11,500	1 ea/case
Plug Type G (UK version)						
7100281321	14144	115	1900 W	Variable	11,500	1 ea/case
Plug Type J (Swiss version)						
7100281561	14112	125	1900 W	Variable	11,500	1 ea/case

3M™ Electric Angle Grinders Kits

- High torque and high rotational speed in a lightweight, powerful and versatile tool
- Ergonomic design features a low-vibration handle and speed control for different jobs
- Designed for use with 3M abrasives and accessories



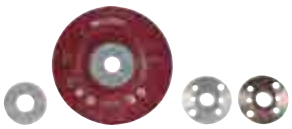


3M ID	Model	Tool Diameter (mm)	Power	Speed	Max RPM	Inserts	Box/Case
Plug Type E							
7100332843	41829	115	1900 W	Variable	11,500	25 discs 1182C - 115 mm - 36+ and 1 ribbed Back-up pad (64860)	1 ea/case
7100332772	41901	125	1900 W	Variable	11,500	25 discs 1182C - 125 mm - 36+ and 1 ribbed Back-up pad (64861)	1 ea/case

Accessories: Right Angle Disc Systems

3M™ High Performance Red Ribbed Back-Up Pad

- Unique rib pattern for heavy stock removal
- Resistant to temperatures over 100°C
- Use to extend the cut rate and lifespan of 3M™ Cubitron™ 2 discs



3M ID	Part No.	Diameter (mm)	Max RPM	Box/Case
Hard Red Grade 36+				
7000032409	64860	115	13,300	10 ea/case
7000032410	64861	125	12,000	10 ea/case
7100242134	64829	150	10,200	15 ea/case
7000032411	64862	180	8,500	15 ea/case

3M™ Red Flat Back-Up Pad

- Specially Designed, Soft, Flat Backup Pad
- Reduces vibration for greater operator comfort



3M ID	Part No.	Diameter (mm)	Max RPM	Box/Case
Semi-Flex Grade 60+ and 80+				
7000061711	64857	115	13,300	10 ea/case
7000061712	64858	125	12,000	10 ea/case
7000061713	64859	180	8,500	15 ea/case

3M™ Hook and Loop Disc Pad Holders

- With 'J' hooks to securely hold a 3M™ Hookit™ disc or 3M™ Finesse-it™ buffing pad
- Use with a random orbital sander, rotary sander, or right angle grinder
- The 3M Hookit system offers easy removal and reuse



3M ID	Description	Box/Case
7100019237	3M™ Disc Pad Holder 9145, 114 mm x 3 mm x 9 mm	1 ea/case
7000046035	3M™ Disc Pad Holder, 114 mm x 3 mm x 9 mm	1 ea/case
7000028500	3M™ Disc Pad Holder 915, 127 mm x 3 mm x 9 mm	1 ea/case
7000046037	3M™ Disc Pad Holder 906, 152 mm x 6 mm	1 ea/case
7000120890	3M™ Disc Pad Holder, 6 in x 1/8 in x 3/8 in x 5/8 in-11 Internal	1 ea/case
7000068111	3M™ Disc Pad Holder, 180 mm, M14	5 ea/case
7000028549	3M™ Disc Pad Holder, 180 mm x 7.9 mm x 9 mm	1 ea/case

3M™ Flat, Hard Black Back-up Pads

- Provides even support across the surface of the disc
- Medium density backing, suitable for most metalworking applications
- Recommended when working on curved surfaces



3M ID	Part No.	Diameter	Max RPM	Box/Case
7000008959	07312	100	15,300	10 ea/case
7000105439	07306	115	13,300	10 ea/case
7000110550	09386	125	12,000	10 ea/case
7000110551	09387	180	8,500	10 ea/case

3M™ Scotch-Brite™ Universal Surface Conditioning Back-Up Pad

- Contains three different attachment nuts: M10, M14, and 5/8-11, as well as an optional snap-in centre post.
- Available in Ø 100, 115 and 125 mm to accommodate corresponding Scotch-Brite™ nonwoven disc diameters
- Threaded design allows for easy, secure attachment to tool



3M ID	Description	Box/Case
7100276338	Scotch-Brite™ Universal Surface Conditioning Back-up Pad, 89869, 100 mm, 10 ea/case	10 ea/case
7100276340	Scotch-Brite™ Universal Surface Conditioning Back-up Pad, 89870, 115 mm, 10 ea/case	10 ea/case
7100276339	Scotch-Brite™ Universal Surface Conditioning Back-up Pad, 89871, 125 mm, 10 ea/case	10 ea/case

3M™ Hook and Loop Disc Pad Holders

- Designed to securely hold a 3M™ Hookit™ sanding or finishing disc and our Finesse-it™ buffing pad



3M ID	Description	Box/Case
7100001985	3M™ Hookit™ Disc Pad, 75 mm	5 ea/case
7000028220	3M™ Hookit™ Disc Pad, 75 mm x 12.7 mm, 1/4-20 External	5 ea/case
7100041340	3M™ Hookit™ Disc Pad , 152 mm x 19 mm	10 ea/case
7100041215	3M™ Hookit™ Disc Pad, 127 mm x 15.9 mm, 15.9-279 mm Internal	5 ea/case
7100032506	3M™ Hookit™ Disc Pad, 127 mm x 19 mm, 5/16 External, 5 Hole,	10 ea/case
7100027274	3M™ Hookit™ Disc Pad, 127 mm x 19 mm, 5/16 External	10 ea/case
7000045702	3M™ Hookit™ Disc Pad, 180 mm, M14	1 ea/case
7000028353	3M™ Hookit™ Disc Pad, 947, 180 mm x 25.4 mm, 5/8	1 ea/case
7100034710	3M™ Hookit™ Disc Pad, 127 mm x 12.5 mm, 5/16 External	5 ea/case

3M™ Disc Pad Hub

- Has an internal threaded metal insert that threads onto the shaft of a sander and grinder to hold a disc pad face plate and fibre disc in place



3M ID	Description	Box/Case
7000119302	3M™ Disc Pad Hub And Retainer Nut 28416, 63.5 mm	1 ea/case
7000045288	3M™ Disc pad Hub 28476, 2-1/2 in x 5/8 in-11 Internal Low Profile	10 ea/case
7000144106	3M™ Disc Pad Hub 28442, 2-1/2 in 3/8 in-24 Internal For Short Shaft Tool	10 ea/case



Tech tip

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

Learn more at
3M.co.uk/ScotchBriteAbrasives

Watch introduction and demo
videos at YouTube.com/3MAbrasives



3M™ Roloc™ Systems

3M™ Roloc™ Discs

3M™ Roloc™ Discs provide a fast, efficient method for grinding, blending, levelling 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 colour 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	Bevelling
New	3M™ Cubitron™ 3 Roloc™ Durable Edge Disc 1184F	mild steel, stainless steel	high/medium	◆	◆	◆		◆
	3M™ Cubitron™ 2 Roloc™ Durable Edge Disc 984F	mild steel, stainless steel	high/medium	◆	◆	◆		◆
	3M™ Cubitron™ 2 Roloc™ Durable Edge Disc 947A	mild steel, stainless steel, aluminium	medium/low			◆		
New	3M™ Cubitron™ 3 Roloc™ Fibre Disc 1182C	mild steel	high/medium	◆	◆			
	3M™ Cubitron™ 2 Roloc™ Fibre Disc 982C	mild steel	high/medium	◆	◆			
New	3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C	stainless steel, non-ferrous metals, aluminium	high/medium	◆	◆			
	3M™ Cubitron™ 2 Roloc™ Fibre Disc 987C	stainless steel, non-ferrous metals, aluminium	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, aluminium, mild steel, titanium nickel alloys	light	◆	◆	◆	◆	
	Scotch-Brite™ Roloc™ Surface Conditioning Disc (SC-DR)	all metals		light	◆	◆	◆	
New	Scotch-Brite™ Roloc™ Precision Heavy Duty	aluminium, stainless steel, mild steel, copper, nickel alloy	light	◆	◆			
	Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc (XO-DR)	rust, coatings, weld discolouration					◆	
	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, aluminium	high/medium	◆	◆	◆		◆
	3M™ Roloc™ Fibre Disc 782C	mild steel	high/medium	◆	◆	◆		
	3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminium	high/medium	◆	◆	◆		
	3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminium	medium			◆		
	3M™ Roloc™ Disc 361F	all metals			◆	◆	◆	

3M™ Roloc™ Systems

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™ 2 Roloc™ Durable Edge Disc 984F	mild steel, stainless steel					◆	small welds
	3M™ Cubitron™ 2 Roloc™ Durable Edge Disc 947A	mild steel, stainless steel, aluminium						
New	3M™ Cubitron™ 3 Roloc™ Fibre Disc 1182C	mild steel						small welds
	3M™ Cubitron™ 2 Roloc™ Fibre Disc 982C	mild steel						small welds
New	3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C	stainless steel, non-ferrous metals, aluminium						small welds
	3M™ Cubitron™ 2 Roloc™ Fibre Disc 987C	stainless steel, non-ferrous metals, aluminium						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, aluminium, mild steel, titanium nickel alloys		◆		◆		
	Scotch-Brite™ Roloc™ Surface Conditioning Disc (SC-DR)	all metals		◆				
New	Scotch-Brite™ Roloc™ Precision Heavy Duty	aluminium, stainless steel, mild steel, copper, nickel alloy		◆		◆		small welds
	Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc (XO-DR)	rust, coatings, weld discolouration	heavy removal		◆			
	Scotch-Brite™ Roloc™ Clean & Strip XT Pro Extra Cut Disc (XC-DR)	heavy rust and rust pit removal without leaving divots	◆		◆			
	Scotch-Brite™ Roloc™ Bristle Disc (RD-ZB)	all metals			◆			
	Scotch-Brite™ Roloc™+ Flap Brush (FF-ZR/PF-ZR/CB-ZR)	wood, metals, lacquers						
	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, aluminium					◆	
	3M™ Roloc™ Fibre Disc 782C	mild steel						
	3M™ Roloc™ Fibre Disc 787C	stainless steel, non-ferrous metals, aluminium						
	3M™ Roloc™ Disc 777F	mild steel, stainless steel, non-ferrous metals, aluminium						
	3M™ Roloc™ Disc 361F	all metals	◆		◆			

3M™ Roloc™ Disc Button Colour/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)

	Substrate			
Disc size	**Carbon Steel**	**Stainless Steel**	**Titanium**	**Aluminium**
38 mm	30,000 RPM	20,000 RPM	9,000 RPM	30,000 RPM
50 mm	20,000 RPM	15,000 RPM	7,000 RPM	20,000 RPM
75 mm	15,000 RPM	10,000 RPM	4,500 RPM	15,000 RPM
101 mm	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)



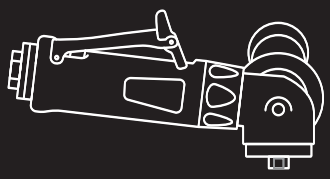
TS (Plastic Button)



TR+ (Plastic Button)



3M™ Roloc™ System



Sander Adapter ON 06582

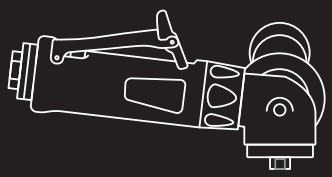


3M™ Roloc™ Disc Pad



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



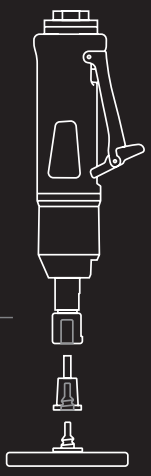
SHORT

"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™ Systems

3M™ Roloc™ Cloth Disc Selection Guide

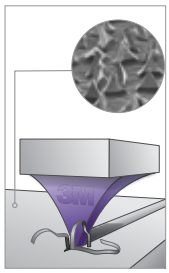
	Product	Mineral Type	Features	Metal Type	Performance	Grinding	Light Grinding	Blending	Deburring
New	1184F	Precision-Shaped Grain	Durable Edge / 2-ply polyester backing for wear-resistance in edge work. Grinding aid to keep cut cool.	All Metals	Best	●	●	●	●
	984F	Precision-Shaped Grain	Durable 2-ply backing; 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 aluminium oxide blend, grinding aid.	Mild Steel, Stainless Steel, Non-Ferrous Metals, Aluminium	Good	●	●	●	●
	361F	Aluminium 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	Performance	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 Aluminium	Good	●	●		●

3M™ Roloc™ Coated Discs

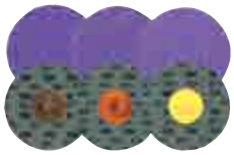
Our Latest 3M Precision-Shaped Grain



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

3M Cubitron™ 3 Performance Abrasives

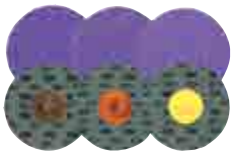
3M™ Cubitron™ 3 Roloc™ Fibre Disc 1184F - TR



- 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	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100331411	38 mm	36+	30,000	50/200
7100332562	38 mm	60+	30,000	50/200
7100331726	38 mm	80+	30,000	50/200
7100331727	50 mm	36+	25,000	50/200
7100331410	50 mm	60+	25,000	50/200
7100332404	50 mm	80+	25,000	50/200
7100331731	75 mm	36+	20,000	50/200
7100331725	75 mm	60+	20,000	50/200
7100332405	75 mm	80+	20,000	50/200

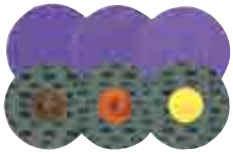
3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C - TR



- 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	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100331754	50 mm	36+	25,000	50/200
7100331745	50 mm	60+	25,000	50/200
7100331753	50 mm	80+	25,000	50/200
7100331749	75 mm	36+	20,000	50/200
7100332087	75 mm	60+	20,000	50/200
7100332088	75 mm	80+	20,000	50/200

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



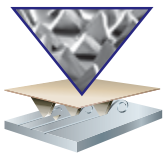
- The curved sides of Re-Engineered 3M Precision-Shaped Grain help to maintain sharp points that cut exceptionally fast with less pressure
- A stiff fibre backing and strong resin bond provide durability and tear resistance, not only for heavy grinding applications and bevelling, but — thanks to the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

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100332086	50 mm	36+	25,000	50/200
7100332343	50 mm	60+	25,000	50/200
7100332356	50 mm	80+	25,000	50/200
7100332346	75 mm	36+	20,000	50/200
7100332232	75 mm	60+	20,000	50/200
7100332357	75 mm	80+	20,000	50/200

Mild Steel Stainless Steel

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.

3M | Cubitron™ 2
Performance Abrasives

3M™ Cubitron™ 2 Roloc™ Fibre 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	Grade	Max RPM	Box/Case
Roloc™ TR (Plastic Button)				
7000045233	25 mm	60+	30,000	50/200
7000144102	25 mm	80+	30,000	50/200
7000045166	38 mm	36+	30,000	50/200
7000045171	38 mm	60+	30,000	50/200
7000045175	38 mm	80+	30,000	50/200
7100001474	50 mm	36+	25,000	50/200
7100001475	50 mm	60+	25,000	50/200
7010361116	50 mm	60+	25,000	50/200
7100001473	50 mm	80+	25,000	50/200
7000045167	75 mm	36+	20,000	50/200
7000045172	75 mm	60+	20,000	50/200
7000045176	75 mm	80+	20,000	50/200
Roloc™ TSM (Metal Button)				
7000045168	38 mm	36+	30,000	50/200
7000045170	38 mm	36+	20,000	50/200
7000045177	38 mm	80+	30,000	50/200
7000045173	50 mm	60+	25,000	50/200
7000045174	75 mm	60+	20,000	50/200
7000045179	75 mm	80+	20,000	50/200

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	Grade	Max RPM	Box/Case
Roloc™ TR (Plastic Button)				
7100077039	50 mm	40+	25,000	50/200
7100077047	50 mm	60+	25,000	50/200
7100076925	50 mm	80+	25,000	50/200
7100076933	50 mm	120+	25,000	50/200
7100077040	75 mm	40+	20,000	50/200
7100076898	75 mm	60+	20,000	50/200
7100076926	75 mm	80+	20,000	50/200
7100076934	75 mm	120+	20,000	50/200
Roloc™ TSM (Metal Button)				
7100077042	38 mm	40+	30,000	50/200
7100076920	38 mm	60+	30,000	50/200
7100076928	38 mm	80+	30,000	50/200
7100076936	38 mm	120+	30,000	50/200
7100077043	50 mm	40+	25,000	50/200
7100076921	50 mm	60+	25,000	50/200
7100076929	50 mm	80+	25,000	50/200
7100076937	50 mm	120+	25,000	50/200
7100077044	75 mm	40+	20,000	50/200
7100076922	75 mm	60+	20,000	50/200
7100076930	75 mm	80+	20,000	50/200
7100076894	75 mm	120+	20,000	50/200

Mild Steel Stainless Steel

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 fibre backing enables fast, more aggressive cutting
- Optimized for use on carbon steel

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7000118429	50 mm	36+	25,000	36+
7000044902	75 mm	60+	20,000	60+
7000044904	75 mm	80+	20,000	80+
7000118430	75 mm	36+	20,000	36+
7100006575	100 mm	36+	15,000	36+
	Roloc™ TSM (Metal Button)			
7100126838	75 mm	36+	20,000	50/200
	Roloc™ TS (Plastic Button)			
7100084495	100 mm	36+	12,000	25/100

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 fibre backing and strong resin bond provide durability and tear-resistance

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100100976	50 mm	36+	25,000	50/200
7100100989	50 mm	60+	25,000	50/200
7100100999	50 mm	80+	25,000	50/200
7100100942	75 mm	36+	20,000	50/200
7100100885	75 mm	60+	20,000	50/200
7100100986	75 mm	80+	20,000	50/200

3M™ Roloc™ Durable Edge Disc 767F New



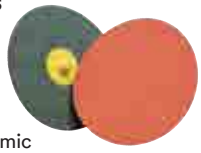
- Rapidly cuts hard to grind metals like carbon steel, stainless steel and high nickel alloys
- Premium mineral excels at heavyweight applications such as weld grinding, bevelling, and edge chamfering
- 3M Precision Shaped Grain yields higher cut rates and cooler cut while completing more parts per disc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

3M ID	Diameter	Grade	Box/Case
	Roloc™ TR (Plastic Button)		
7100344576	50 mm	36+	50/200
7100347296	50 mm	60+	50/200
7100344577	50 mm	80+	50/200
7100347323	50 mm	120+	50/200
7100347343	75 mm	36+	50/200
7100342817	75 mm	60+	50/200
7100347234	75 mm	80+	50/200
7100342860	75 mm	120+	50/200
7100347288	100 mm	36+	25/100
7100346191	100 mm	60+	25/100
7100347314	100 mm	80+	25/100
7100346791	100 mm	120+	25/100
	Roloc™ TSM (Metal Button)		
7100346792	50 mm	36+	50/200
7100342808	50 mm	60+	50/200
7100342946	50 mm	80+	50/200
7100347333	50 mm	120+	50/200
7100347235	75 mm	36+	50/200
7100347353	75 mm	60+	50/200
7100342641	75 mm	80+	50/200
7100347256	75 mm	120+	50/200

Mild Steel Stainless Steel

3M™ Roloc™ Coated Discs

3M™ Fibre Disc 787C
for stainless steel non-ferrous metals



- Optimized for stainless steel and non-ferrous metals like aluminium and titanium
- Cuts cooler, faster and lasts longer than alumina zirconia (AZ) and conventional ceramic discs in applications like weld removal, bevelling, edge chamfering and more
- Made with 3M Precision-Shaped Grain, for outstanding speed and long life
- Great for grinding, weld removal, bevelling and edge chamfering
- Stiff fibre backing and strong resin bond provide durability and tear-resistance

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100100974	50 mm	36+	25,000	50/200
7100100982	50 mm	60+	25,000	50/200
7100100962	50 mm	80+	25,000	50/200
7100100964	50 mm	120+	25,000	50/200
7100100981	75 mm	36+	20,000	50/200
7100100979	75 mm	60+	20,000	50/200
7100100961	75 mm	80+	20,000	50/200
7100100966	75 mm	120+	20,000	50/200

3M™ Roloc™ Disc 777F



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

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7000045618	25 mm	P36	30,000	50/500
7000045619	25 mm	P50	30,000	50/500
7000045620	25 mm	P60	30,000	50/500
7000045621	25 mm	P80	30,000	50/500
7000045622	25 mm	P120	30,000	50/500
7000045624	38 mm	P60	30,000	50/500
7000045625	38 mm	P80	30,000	50/500
7000000549	50 mm	P36	25,000	50/200
7000045627	50 mm	P50	25,000	50/200
7000000550	50 mm	P60	25,000	50/200
7000000551	50 mm	P80	25,000	50/200
7000000553	50 mm	P120	25,000	50/200
7100016736	50 mm	P180	25,000	50/200
7000028339	75 mm	P36	20,000	50/200
7000045628	75 mm	P50	20,000	50/200
7000000554	75 mm	P60	20,000	50/200
7000000555	75 mm	P80	20,000	50/200
7000000557	75 mm	P120	20,000	50/200

3M™ Roloc™ Disc 361F



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

3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7000045092	25 mm	P36	30,000	50/500
7000045095	25 mm	P50	30,000	50/500
7000000375	25 mm	P60	30,000	50/500
7000000380	25 mm	P80	30,000	50/500
7000045104	25 mm	P120	30,000	50/500
7000045091	38 mm	P36	30,000	50/500
7000045094	38 mm	P50	30,000	50/500
7000045097	38 mm	P60	30,000	50/500
7000045099	38 mm	P80	30,000	50/500
7000045103	38 mm	P120	30,000	50/500
7000028183	50 mm	P24	25,000	50/200
7000000371	50 mm	P36	25,000	50/200
7000028184	50 mm	P50	25,000	50/200
7000000376	50 mm	P60	25,000	50/200
7000000381	50 mm	P80	25,000	50/200
7000000385	50 mm	P100	25,000	50/200
7000000388	50 mm	P120	25,000	50/200
7000119021	50 mm	P150	25,000	50/200
7000000390	50 mm	P180	25,000	50/200
7000045105	50 mm	P240	25,000	50/200
7000045090	75 mm	P24	20,000	50/200
7000045093	75 mm	P36	20,000	50/200
7000045096	75 mm	P50	20,000	50/200
7000045098	75 mm	P60	20,000	50/200
7000045100	75 mm	P80	20,000	50/200
7000045102	75 mm	P100	20,000	50/200
7000000389	75 mm	P120	20,000	50/200
7000045106	75 mm	P240	20,000	50/200

Mild Steel Stainless Steel

Choose the Right Disc for the Job

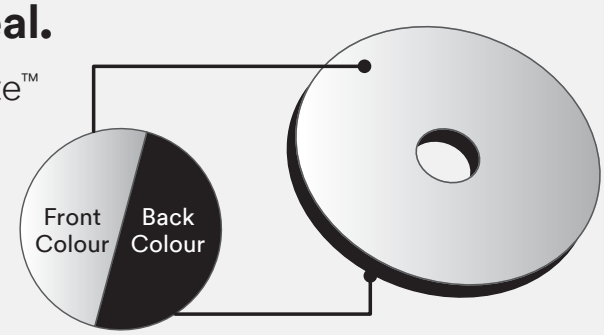
Scotch-Brite™ Surface Conditioning Disc Guide

Cracking The Colour Code — Discs

Have confidence that you are using the real deal.

Recognizing the authentic Scotch-Brite™ Brand colours 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	
Multi-Purpose / Low Pressure — 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 aluminium and soft metal, carbon steel, stainless steel and more
- Open web design helps resist loading, allowing for longer disc life
- Bright, vivid colours help make identification easier



3M ID	Diameter	Grade	Max RPM	Box/Case
		Roloc™ TR (Plastic Button)		
7100264156	25 mm	A Very Fine	30,000	50/200
7100264159	25 mm	A Fine	30,000	50/200
7100264161	25 mm	Medium+	30,000	50/200
7100271028	25 mm	Coarse+	30,000	50/200
7100264150	25 mm	Extra Coarse+	30,000	50/200
7100272237	50 mm	A Very Fine	25,000	25/100
7100264173	50 mm	A Very Fine	25,000	50/200
7100264171	50 mm	A Fine	25,000	25/100
7100264174	50 mm	A Fine	25,000	50/200
7100272016	50 mm	Medium+	25,000	25/100
7100264089	50 mm	Medium+	25,000	50/200
7100272236	50 mm	Coarse+	25,000	25/100
7100264090	50 mm	Coarse+	25,000	50/200
7100264172	50 mm	Extra Coarse+	25,000	25/100
7100264091	50 mm	Extra Coarse+	25,000	50/200
7100264194	75 mm	A Very Fine	20,000	25/100
7100264195	75 mm	A Fine	20,000	25/100
7100264196	75 mm	Medium+	20,000	25/100
7100264197	75 mm	Coarse+	20,000	25/100
7100264198	75 mm	Extra Coarse+	20,000	25/100
7100264199	100 mm	A Very Fine	15,000	25/100
7100264204	100 mm	A Fine	15,000	25/100
7100264142	100 mm	Medium+	15,000	25/100
7100264203	100 mm	Coarse+	15,000	25/100
7100270872	100 mm	Extra Coarse+	15,000	25/100

3M ID	Diameter	Grade	Max RPM	Box/Case
		Bulk		
7100264138	50 mm	A Very Fine	25,000	1000 ea/case
7100264139	50 mm	A Fine	25,000	1000 ea/case
7100264141	50 mm	Medium+	25,000	1000 ea/case
7100264092	50 mm	Coarse+	25,000	1000 ea/case
7100264193	50 mm	Extra Coarse+	25,000	1000 ea/case
7100264429	75 mm	A Very Fine	20,000	1000 ea/case
7100271030	75 mm	A Fine	20,000	1000 ea/case
7100264428	75 mm	Medium+	20,000	1000 ea/case
7100264427	75 mm	Coarse+	20,000	1000 ea/case
7100264438	75 mm	Extra Coarse+	20,000	1000 ea/case

Combined Benefits of Two 3M Technologies

PSG

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

Look for the 3M Precision-Shaped Grain icon!

Scotch-Brite™ Roloc™ Discs:
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

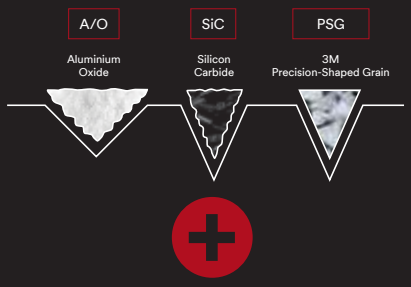
3M ID	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7000000704	25 mm	A CRS	30,000	50/200
7000021280	25 mm	A MED	30,000	50/200
7000021279	25 mm	A VFN	30,000	50/200
7000045887	38 mm	A CRS	30,000	50/200
7000045888	38 mm	A MED	30,000	50/200
7000000752	50 mm	A CRS	25,000	50/200
7000000751	50 mm	A MED	25,000	50/200
7000000753	50 mm	S SFN	25,000	50/200
7000000750	50 mm	A VFN	25,000	50/200
7000000756	50 mm	A CRS	18,000	25/100
7000000755	50 mm	A MED	18,000	25/100
7000028501	50 mm	S SFN	18,000	25/100
7000000754	50 mm	A VFN	18,000	25/100
7100007009	100 mm	A CRS	12,000	25/100

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

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

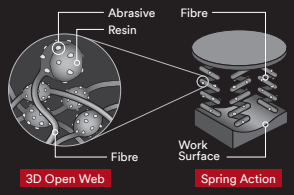
3M Precision-Shaped Grain and Minerals

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

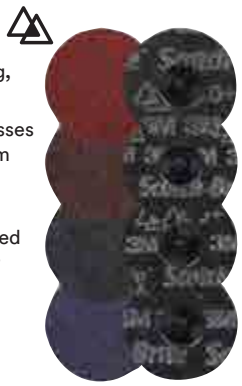
Scotch-Brite™ nonwoven technology is a spring-like web that helps improve surfaces without changing the geometry or dimension of the base material.





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 fibres 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	Diameter	Grade	Max RPM	Box/ Case
		Roloc™ TR (Plastic Button)		
7100359490	50 mm	60+	25,000	25/100
7100359904	50 mm	60+	25,000	50/200
7100359479	50 mm	80+	25,000	25/100
7100359477	50 mm	80+	25,000	50/200
7100359489	50 mm	120+	25,000	25/100
7100359486	50 mm	120+	25,000	50/200
7100359487	50 mm	150+	25,000	25/100
7100359470	50 mm	150+	25,000	50/200
7100359753	75 mm	60+	20,000	25/100
7100359481	75 mm	80+	20,000	25/100
7100359491	75 mm	120+	20,000	25/100
7100359480	75 mm	150+	20,000	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 fibre 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	Diameter	Grade	Max RPM	Box/Case
Roloc™ TR (Plastic Button)				
7100175521	50 mm	S Extra Coarse	18,000	10/60
7100173795	75 mm	S Extra Coarse	15,000	10/40
Roloc™ TR+ (Plastic Button)				
7100192704	100 mm x 13 mm x 6 mm	S Extra Coarse	8,000	10 ea/case
7100192705	125 mm x 13 mm x 6 mm	S Extra Coarse	7,000	8 ea/case
7100192706	150 mm x 13 mm x 6 mm	S Extra Coarse	6,000	6 ea/case

Use For

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

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	Diameter	Grade	Max RPM	Box/Case
7100093978	100 mm x 13 mm	S Extra Coarse	8,000	10 ea/case

Scotch-Brite™ Roloc™ HS Blend and Finish Discs



- Aluminium 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	Grade	Max RPM	Box/Case
7000046260	50 mm x NH	A Medium	18,000	200 ea/case
7000046261	75 mm x NH	A Medium	15,000	100 ea/case

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



- Quickly removes heavy rust, thick paint, corrosion and cleans welds
- Aluminium 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 fibre resists chunking and performs well on edges

3M ID	Diameter	Grade	Max RPM	Box/Case
Roloc™ TR (Plastic Button)				
7100179815	50 mm	A Extra Coarse	18,000	10/60
7100173790	75 mm	A Extra Coarse	15,000	10/40
Roloc™ TR+ (Plastic Button)				
7100192712	100 mm x 13 mm x 6 mm	S Extra Coarse	8,000	10 ea/case
7100192733	125 mm x 13 mm x 6 mm	S Extra Coarse	7,000	8 ea/case
7100192734	150 mm x 13 mm x 6 mm	S Extra Coarse	6,000	6 ea/case

Use For

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

Scotch-Brite™ Roloc™ EXL Unitized Wheels



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

3M ID	Diameter	Grade	Max RPM	Box/Case
Roloc™ TR (Plastic Button)				
7000045976	50 mm x 6 mm	2S Fine	22,100	15/60
7100000860	50 mm x 6 mm	2A Medium	22,100	15/60
7000045979	50 mm x 6 mm	6A Medium	22,100	10/40
7000045980	50 mm x 6 mm	8A Medium	22,100	10/40
7100005209	75 mm x 6 mm	2S Fine	15,100	10/40
7100000858	75 mm x 6 mm	2A Medium	15,100	10/40
7000028469	75 mm x 6 mm	6A Medium	15,100	10/40
7000045981	75 mm x 6 mm	8A Medium	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	Diameter	Grade	Max RPM	Box/Case
	Roloc™ TR (Plastic Button)			
7100081368	50 mm x 3 mm	6C Medium+	22,100	15/60
7100081367	50 mm x 6 mm	6C Medium+	22,100	15/60
7100290649	50 mm x 6 mm	9C Extra Coarse+	15,100	15/60
7010300983	75 mm x 3 mm	4C Medium+	15,100	10/40
7100081366	75 mm x 3 mm	6C Medium+	15,100	10/40
7100109130	75 mm x 3 mm	8C Coarse+	15,100	10/40
7010329346	75 mm x 6 mm	2S Fine	15,100	10/40
7010295274	75 mm x 6 mm	4C Medium+	15,100	10/40
7100081365	75 mm x 6 mm	6C Medium+	15,100	10/40
7100109110	75 mm x 6 mm	8C Coarse+	15,100	10/40
7100291543	75 mm x 6 mm	9C Extra Coarse+	15,100	10/40

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	Diameter	Grade	Max RPM	Qty/Case
7000000740	25 mm	P50	30,000	20/80
7100138319	25 mm	P80	30,000	20/80
7000000741	25 mm	P120	30,000	20/80
7000000775	50 mm	P36	25,000	4/24
7100138285	50 mm	P50	25,000	10/40
7100138284	50 mm	P80	25,000	10/40
7100138286	50 mm	P120	25,000	10/40
7100138305	75 mm	P50	15,000	10/40
7100138307	75 mm	P80	15,000	10/40
7100138306	75 mm	P120	15,000	10/40

Scotch-Brite™ Roloc™ Coating Removal Disc CR-DR



- Strips coatings and preps surfaces more effectively than wire brushes
- Cleans welding scale, discolouration, and seams
- Nonwoven material aggressively removes coating without damaging the base material
- Open web material runs cool and resists loading for prolonged operation

3M ID	Diameter	Grade	Max RPM	Qty/Case
7000046010	50 mm	S Extra Coarse	18,000	10/60
7000046009	75 mm	S Extra Coarse	15,000	10/40

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
- 6 mm collet included with all 50 mm and 75 mm disc sanders


28329/20231


28328/28341

3M ID	Model	Tool Diameter	Motor HP	Max RPM	Collet Size	Box/Case
7100083278	25124	50 mm	0.5 HP	20,000	6 mm	1 ea/case
7100083997	28342	50 mm	0.3 HP	20,000	6 mm	1 ea/case
7100083511	28344	50 mm	0.5 HP	12,000	6 mm	1 ea/case
7100142459	25125	75 mm	1 HP	15,000	6 mm	1 ea/case
7100083998	28343	75 mm	0.3 HP	12,000	6 mm	1 ea/case

3M™ Roloc 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	Tool Diameter	Max RPM	Box/Case
7000060284	64874	75 mm	15,000	1 ea/case
7000060285	64875	50 mm	12,000	1 ea/case

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	Tool Diameter	Max RPM	Box/Case
7000060257	28353	75 mm / 3 mm orbit	15,000	1 ea/case
7000060258	28354	75 mm	15,000	1 ea/case

Accessories: 3M™ Roloc™ Systems

Product	3M ID	For Use With	Description/Size	Max RPM
3M™ Roloc™ TR Disc Pads 	7100333182	3M™ Roloc™ TR Discs 	3M™ Roloc™ Disc Pad, No 1, 6 mm x 25 mm	n/a
	7100003161		3M™ Roloc™ Disc Pad, 25 mm, 1/4", Medium	30,000
	7000045280		3M™ Roloc™ Disc Pad TR 45099, Medium 1-1/2 in 1/4-20 Internal, 5 ea/case	30,000
	7000045286		3M™ Roloc™ Disc Pad TR 45100, Hard 1-1/2 in 1/4-20 Internal, 5 ea/case	30,000
	7000000441		3M™ Roloc™ Disc Pad, 50 mm, 1/4", Hard	25,000
	7000045278		3M™ Roloc™ Disc Pad, 50 mm, 1/4", Soft	25,000
	7000045282		3M™ Roloc™ Disc Pad, 50 mm, 1/4", Medium	25,000
	7000045284		3M™ Roloc™ Disc Pad, 50 mm, 1/4", Extra Hard	25,000
	7000028376		3M™ Roloc™ Disc Pad, 75 mm, M14, Hard	20,000
	7000045285		3M™ Roloc™ Disc Pad, 75 mm, 1/4", Extra Hard	20,000
	7000045287		3M™ Roloc™ Disc Pad, 75 mm, 3/8", Hard	20,000
	7000045692		3M™ Roloc™ Disc Pad, 75 mm, M14, Extra Hard	20,000
	7000045693		3M™ Roloc™ Disc Pad, 75 mm, M14, Soft	20,000
	7000045695		3M™ Roloc™ Disc Pad, 75 mm, M14, Medium	20,000
	7000062853		3M™ Roloc™ Disc Pad, 75 mm, M14, Medium,	20,000
	7100002305		3M™ Roloc™ Disc Pad, 75 mm, 1/4", Hard	20,000
	7100010386		3M™ Roloc™ Disc Pad, 75 mm, 1/4", Soft	20,000
3M™ Roloc™ TS or TSM Disc Pads 	7000119315	3M™ Roloc™ TSM Discs and "Screw on" Abrasive Discs 	3M™ Roloc™ Disc Pad TS and TSM 14216, Hard, 75 mm 1/4-20 Internal, 5 ea/case	20,000
3M™ Finesse-it™ Disc Pads 	7100059380		3M™ Finesse-it™ Roloc™ Finishing Disc Pad 14736	20,000
	7000000573		3M™ Finesse-it™ Roloc™ Finishing Disc Pad 14736U, 75 mm	20,000
	7100022172		3M™ Finesse-it™ Roloc™ Finishing Disc Pad 14736V, 75 mm Firm	20,000
3M™ Roloc™ Shank 45102 	7000045770		3M™ Roloc™ Shank 45102, 1/4 in shank, 1/4-20 external	N/A



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, aluminium, wood, composite, gelcoat, solid surface, acrylic, paint and more.

Full Range Disc Options

Most Durable → Least Durable

Backing	3M ID	Weight	Mineral	Grinding Aid or Stearate	Attachment: Stikit™	Attachment: Hookit™	Grade: 24	36	40	50	60	80	100	120	150	180	220	240	280	320	360	400	500	600	800	1000	1200	1500	2000
Cloth	900DZ	J	PSG		•	•			+		+	+		+	+	+	+			+									
	784F	YF	PSG			•		+		+	+	+		+															
Film	775L	3 mil	PSG	✓	•	•						+		+	+	+	+	+		+		+							
	375L	5/3 mil	AO	✓		•					A	P	P	P	P	P	P	P		P		P	P	P	P	P	P	P	
	360L	3 mil	AO			•											P	P	P	P		P	P	P	P	P			
Paper	950U	E	PSG	✓		•					+	+		+	+	+													
	732U	C	PSG	✓	•	•						+		+	+	+	+	+		+		+	P	P	P	P			
	426U	A	SC	✓	•							A	A	A	A	A	A	A	A	A		A							
	236U	C	AO	✓	•	•						P	P	P	P	P	P	P		P		P	P						
Net	710W	Net	PSG			•						+		+	+	+	+	+		+									
	310W	Net	PSG/ AO			•						+		+	+	+	+	+		+									

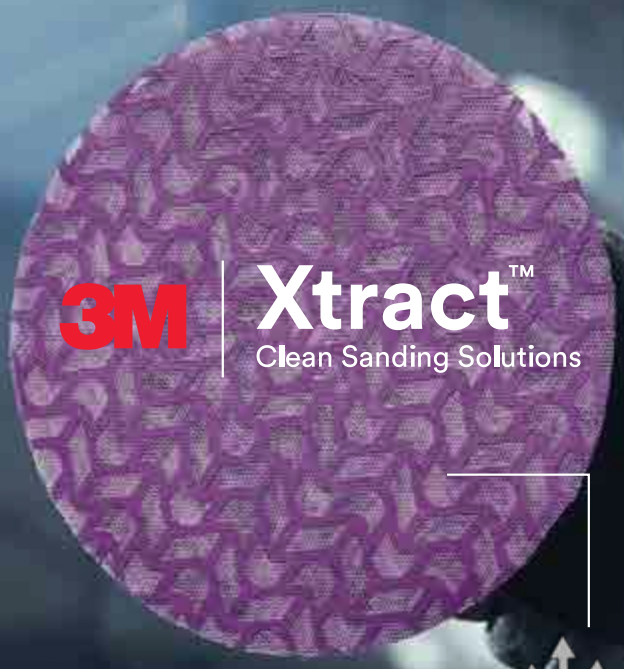
Mineral

- AO = Aluminium 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)

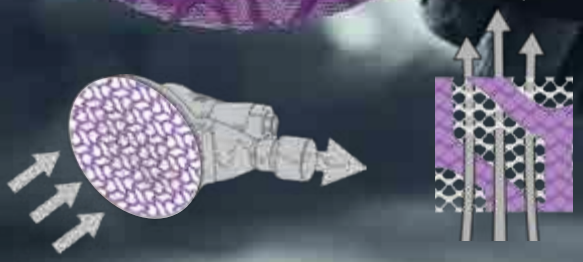
Product and grade availability subject to change. Visit 3M.com/Abrasives to confirm current product grade and form offering.



3M 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:

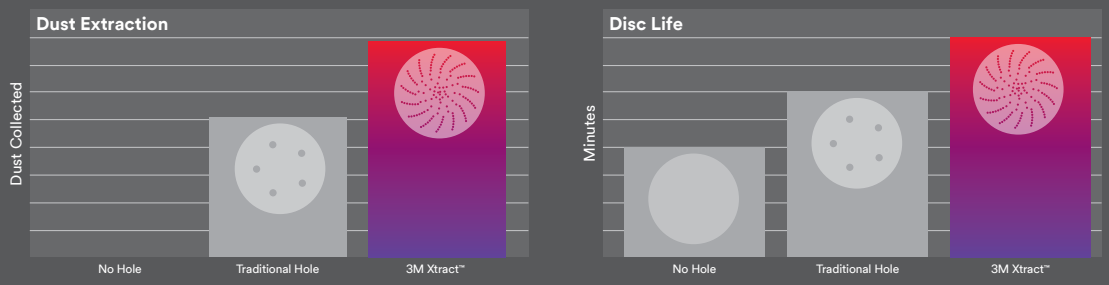
Optimize your sanding system with 3M™ Cubitron™ 2 and 3M Xtract™ Clean Sanding Systems.

3M Xtract™ Abrasive Disc + 3M Xtract™ Back-up Pad +



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

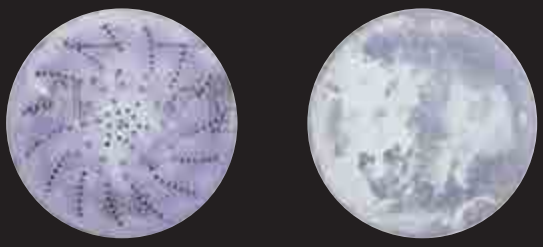
3M Xtract™ Clean Sanding Abrasives removes more dust and lasts longer than traditional hole pattern discs of a similar diameter.



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 with Hookit™ 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
- 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 aluminium, fibreglass, gelcoat, hard and soft woods

3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7100284886	75 mm	40+	50/250
7100284341	75 mm	60+	50/250
7100284521	75 mm	80+	50/250
7100284266	75 mm	120+	50/250
7100284506	75 mm	150+	50/250
7100282513	75 mm	180+	50/250
7100282510	75 mm	220+	50/250
7100284356	75 mm	320+	50/250
7100284662	125 mm	40+	50/250
7100284216	125 mm	60+	50/250
7100284531	125 mm	80+	50/250
7100284520	125 mm	120+	50/250
7100284353	125 mm	150+	50/250
7100282219	125 mm	180+	50/250
7100281811	125 mm	220+	50/250
7100284268	125 mm	320+	50/250
7100284769	150 mm	40+	50/250
7100284218	150 mm	60+	50/250
7100284530	150 mm	80+	50/250
7100284508	150 mm	120+	50/250
7100284342	150 mm	150+	50/250
7100281804	150 mm	180+	50/250
7100281806	150 mm	220+	50/250
7100284271	150 mm	320+	50/250
7100284565	200 mm	40+	50/250
7100284340	200 mm	60+	50/250
7100284518	200 mm	80+	50/250
7100284343	200 mm	120+	50/250
7100284344	200 mm	150+	50/250
7100281803	200 mm	180+	50/250
7100281810	200 mm	220+	50/250
7100284267	200 mm	320+	50/250
No Hole Configuration - Hookit™			
7100284768	75 mm x NH	40+	50/250
7100284269	75 mm x NH	60+	50/250
7100284510	75 mm x NH	80+	50/250
7100284511	75 mm x NH	120+	50/250
7100284519	75 mm x NH	150+	50/250
7100282480	75 mm x NH	180+	50/250
7100282509	75 mm x NH	220+	50/250
7100284509	75 mm x NH	320+	50/250
7100284663	125 mm x NH	40+	50/250
7100284212	125 mm x NH	60+	50/250
7100284210	125 mm x NH	80+	50/250
7100284525	125 mm x NH	120+	50/250
7100284535	125 mm x NH	150+	50/250
7100281808	125 mm x NH	180+	50/250
7100281801	125 mm x NH	220+	50/250
7100284512	125 mm x NH	320+	50/250
7100301568	125 mm x NH	Multi-pack	10 ea/case
7100284772	150 mm x NH	40+	50/250
7100284214	150 mm x NH	60+	50/250
7100284610	150 mm x NH	80+	50/250
7100284566	150 mm x NH	120+	50/250
7100284574	150 mm x NH	150+	50/250
7100282301	150 mm x NH	180+	50/250
7100281805	150 mm x NH	220+	50/250
7100284609	150 mm x NH	320+	50/250
7100284543	200 mm x NH	40+	50/250
7100284270	200 mm x NH	60+	50/250
7100284507	200 mm x NH	80+	50/250
7100284568	200 mm x NH	120+	50/250
7100284540	200 mm x NH	150+	50/250
7100281837	200 mm x NH	180+	50/250
7100281895	200 mm x NH	220+	50/250
7100284537	200 mm x NH	320+	50/250

3M™ Cubitron™ 2 Film Disc 775L



Finer grits will be launched in 2026

- 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, aluminium, composites, wood, fibreglass, gelcoat, topcoats, and paint

3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7100106678	75 mm	80+	50/250
7100106714	75 mm	120+	50/250
7100106717	75 mm	150+	50/250
7100111238	75 mm	180+	50/250
7100106716	75 mm	220+	50/250
7100145460	75 mm	240+	50/250
7100145433	75 mm	320+	50/250
7100145452	75 mm	400+	50/250
7100045070	125 mm	80+	50/250
7100045071	125 mm	120+	50/250
7100064175	125 mm	150+	50/250
7100064177	125 mm	180+	50/250
7100064270	125 mm	220+	50/250
7100145362	125 mm	240+	50/250
7100145363	125 mm	320+	50/250
7100145404	125 mm	400+	50/250
7100045072	150 mm	80+	50/250
7100045073	150 mm	120+	50/250
7100065918	150 mm	150+	50/250
7100064178	150 mm	180+	50/250
7100064271	150 mm	220+	50/250
7100145316	150 mm	240+	50/250
7100141692	150 mm	320+	50/250
7100145455	150 mm	400+	50/250
7100246422	200 mm	80+	50/250
7100246524	200 mm	120+	50/250
7100248339	200 mm	150+	50/250
7100248337	200 mm	180+	50/250
7100246533	200 mm	220+	50/250
7100246535	200 mm	240+	50/250
7100246534	200 mm	320+	50/250
7100246525	200 mm	400+	50/250
No Hole Configuration - Hookit™			
7100106742	75 mm x NH	80+	50/250
7100106764	75 mm x NH	120+	50/250
7100106762	75 mm x NH	150+	50/250
7100106768	75 mm x NH	180+	50/250
7100106766	75 mm x NH	220+	50/250
7100145430	75 mm x NH	240+	50/250
7100145431	75 mm x NH	320+	50/250
7100145477	75 mm x NH	400+	50/250
7100046325	125 mm x NH	80+	50/250
7100046326	125 mm x NH	120+	50/250
7100064174	125 mm x NH	150+	50/250
7100064176	125 mm x NH	180+	50/250
7100064179	125 mm x NH	220+	50/250
7100145403	125 mm x NH	240+	50/250
7100145405	125 mm x NH	320+	50/250
7100145436	125 mm x NH	400+	50/250
7100046327	150 mm x NH	80+	50/250
7100046328	150 mm x NH	120+	50/250
7100064273	150 mm x NH	150+	50/250
7100064272	150 mm x NH	180+	50/250
7100064274	150 mm x NH	220+	50/250
7100145407	150 mm x NH	240+	50/250
7100145462	150 mm x NH	320+	50/250
7100145469	150 mm x NH	400+	50/250
7100249319	200 mm x NH	80+	50/250
7100249473	200 mm x NH	120+	50/250
7100249427	200 mm x NH	150+	50/250
7100249431	200 mm x NH	180+	50/250
7100249320	200 mm x NH	220+	50/250
7100249321	200 mm x NH	240+	50/250
7100249322	200 mm x NH	320+	50/250
7100249443	200 mm x NH	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 aluminium, composites, wood, fibreglass, gelcoat, topcoats and paint
- Now available in grades 80+ to 1000+

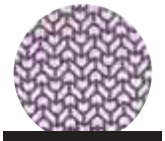
3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7100044448	125 mm x NH	80+	50/250
7100044446	125 mm x NH	120+	50/250
7100066675	125 mm x NH	150+	50/250
7100066678	125 mm x NH	180+	50/250
7100066701	125 mm x NH	220+	50/250
7100335101	125 mm x NH	240+	50/250
7100334767	125 mm x NH	320+	50/250
7100334768	125 mm x NH	400+	50/250
7100335096	125 mm x NH	500+	50/250
7100334770	125 mm x NH	600+	50/250
7100334764	125 mm x NH	800+	50/250
7100334769	125 mm x NH	1000+	50/250
7100230325	125 mm x NH	80+-220+ Multi-pack	20 Packs/Case
7100352830	125 mm x NH	240+-1000+ Multi-pack	20 Packs/Case
7100044445	150 mm x NH	80+	50/250
7100044449	150 mm x NH	120+	50/250
7100066676	150 mm x NH	150+	50/250
7100066679	150 mm x NH	180+	50/250
7100066702	150 mm x NH	220+	50/250
7100334765	150 mm x NH	240+	50/250
7100335436	150 mm x NH	320+	50/250
7100335433	150 mm x NH	400+	50/250
7100335441	150 mm x NH	500+	50/250
7100335411	150 mm x NH	600+	50/250
7100335435	150 mm x NH	800+	50/250
7100335437	150 mm x NH	1000+	50/250
7100232736	150 mm x NH	80+-220+ Multi-pack	20 Packs/Case
7100352831	150 mm x NH	240+-1000+ Multi-pack	20 Packs/Case

3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7100044450	125 mm x NH	80+	50/250
7100044785	125 mm x NH	120+	50/250
7100066674	125 mm x NH	150+	50/250
7100066677	125 mm x NH	180+	50/250
7100066700	125 mm x NH	220+	50/250
7100335449	125 mm x NH	240+	50/250
7100335456	125 mm x NH	320+	50/250
7100335450	125 mm x NH	400+	50/250
7100335451	125 mm x NH	500+	50/250
7100335440	125 mm x NH	600+	50/250
7100335458	125 mm x NH	800+	50/250
7100335454	125 mm x NH	1000+	50/250
7100044153	150 mm x NH	80+	50/250
7100044452	150 mm x NH	120+	50/250
7100067093	150 mm x NH	150+	50/250
7100067094	150 mm x NH	180+	50/250
7100075213	150 mm x NH	220+	50/250
7100335386	150 mm x NH	240+	50/250
7100335531	150 mm x NH	320+	50/250
7100335388	150 mm x NH	400+	50/250
7100335487	150 mm x NH	500+	50/250
7100335485	150 mm x NH	600+	50/250
7100335387	150 mm x NH	800+	50/250
7100335389	150 mm x NH	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



Finer grits will be launched in 2026

3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7100287538	75 mm x NH	80+	50/300
7100287828	75 mm x NH	120+	50/300
7100287831	75 mm x NH	150+	50/300
7100287549	75 mm x NH	180+	50/300
7100287829	75 mm x NH	220+	50/300
7100287826	75 mm x NH	240+	50/300
7100287540	75 mm x NH	320+	50/300
7100288128	125 mm x NH	80+	50/300
7100288225	125 mm x NH	120+	50/300
7100288234	125 mm x NH	150+	50/300
7100288231	125 mm x NH	180+	50/300
7100288230	125 mm x NH	220+	50/300
7100288133	125 mm x NH	240+	50/300
7100288134	125 mm x NH	320+	50/300
7100288313	125 mm x NH	Multi-pack	20 ea/case
7100288129	150 mm x NH	80+	50/300
7100288136	150 mm x NH	120+	50/300
7100288232	150 mm x NH	150+	50/300
7100288233	150 mm x NH	180+	50/300
7100288135	150 mm x NH	220+	50/300
7100288132	150 mm x NH	240+	50/300
7100288139	150 mm x NH	320+	50/300
7100288312	150 mm x NH	Multi-pack	20 ea/case
7100287535	200 mm x NH	80+	50/300
7100287537	200 mm x NH	120+	50/300
7100287463	200 mm x NH	150+	50/300
7100287825	200 mm x NH	180+	50/300
7100287827	200 mm x NH	220+	50/300
7100287715	200 mm x NH	240+	50/300
7100287536	200 mm x NH	320+	50/300
7100335390	225 mm x NH	80+	50/300
7100335483	225 mm x NH	120+	50/300
7100335486	225 mm x NH	150+	50/300
7100335391	225 mm x NH	180+	50/300
7100335392	225 mm x NH	220+	50/300
7100335385	225 mm x NH	240+	50/300
7100335534	225 mm x NH	320+	50/300

3M™ Cubitron™ 2 Hookit™ Paper Disc 950U

- Ideal for prepping and repairing flat surfaces, including body-in-white applications
- Super-open-coat construction for reduced loading allowing metal and paint particles to escape
- 3M™ Precision-Shaped Grain delivers a consistent, high cut-rate and long life
- Hookit™ attachment allows for quick and easy disc changes



3M ID	Size (mm)	Grade	Box/Case
With Hole Configuration - Hookit™			
7100190722	125 mm x 5H	120+	250 ea/case
7100190725	125 mm x 5H	150+	250 ea/case
7100190723	125 mm x 5H	180+	250 ea/case
7100190726	125 mm x 5H	60+	250 ea/case
7100190724	125 mm x 5H	80+	250 ea/case
7100244891	125 mm x 8+1	120+	250 ea/case
7100244890	125 mm x 8+1	150+	250 ea/case
7100245353	125 mm x 8+1	180+	250 ea/case
7100244497	125 mm x 8+1	60+	250 ea/case
7100244892	125 mm x 8+1	80+	250 ea/case
7100226879	150 mm x 15H	120+	250 ea/case
7100226891	150 mm x 15H	150+	250 ea/case
7100226890	150 mm x 15H	180+	250 ea/case
7100226878	150 mm x 15H	60+	250 ea/case
7100226892	150 mm x 15H	80+	250 ea/case
7100226886	150 mm x 17H	120+	250 ea/case
7100226885	150 mm x 17H	150+	250 ea/case
7100226888	150 mm x 17H	180+	250 ea/case
7100226887	150 mm x 17H	60+	250 ea/case
7100226884	150 mm x 17H	80+	250 ea/case
No Hole Configuration - Hookit™			
7100190721	150 mm x NH	120+	250 ea/case
7100190720	150 mm x NH	150+	250 ea/case
7100190717	150 mm x NH	180+	250 ea/case
7100190718	150 mm x NH	60+	250 ea/case
7100190719	150 mm x NH	80+	250 ea/case
7100187015	125 mm x NH	120+	250 ea/case
7100187014	125 mm x NH	150+	250 ea/case
7100187013	125 mm x NH	180+	250 ea/case
7100187017	125 mm x NH	60+	250 ea/case
7100187016	125 mm x NH	80+	250 ea/case

3M™ Cubitron™ 2 Hookit™ Cloth Disc 784F

- 3M Precision-Shaped Grain blend provides up to 2x longer life than comparable aluminium oxide discs
- Proprietary mineral provides consistent, faster results on medium pressure applications, increasing production rate
- Reduces changeouts and downtime in finishing applications



3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7100222630	125 mm x NH	36+	25/200
7100222629	125 mm x NH	50+	25/200
7100211074	125 mm x NH	60+	25/200
7100222628	125 mm x NH	80+	25/200
7100222757	125 mm x NH	120+	25/200

3M™ Coated Abrasives Discs with Hookit™ Attachment

3M Xtract™ Net Disc 310W

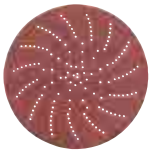
- Creates a cleaner, virtually dust-free work environment
- The unique abrasive pattern on a net backing allows for extracts up to 99% of dust produced
- 3M Precision-Shaped Grain mixed with premium aluminium oxide abrasive for a fast cut and long life
- The disc cuts with less pressure required by the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



3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7100287991	75 mm x NH	80+	50/500
7100288063	75 mm x NH	120+	50/500
7100288049	75 mm x NH	150+	50/500
7100288052	75 mm x NH	180+	50/500
7100288065	75 mm x NH	220+	50/500
7100288050	75 mm x NH	240+	50/500
7100288064	75 mm x NH	320+	50/500
7100288224	125 mm x NH	80+	50/300
7100288241	125 mm x NH	120+	50/300
7100288130	125 mm x NH	150+	50/300
7100288316	125 mm x NH	180+	50/300
7100288314	125 mm x NH	220+	50/300
7100288226	125 mm x NH	240+	50/300
7100288236	125 mm x NH	320+	50/300
7100288228	150 mm x NH	80+	50/300
7100288237	150 mm x NH	120+	50/300
7100288131	150 mm x NH	150+	50/300
7100288227	150 mm x NH	180+	50/300
7100288317	150 mm x NH	220+	50/300
7100288235	150 mm x NH	240+	50/300
7100288127	150 mm x NH	320+	50/300
7100287833	200 mm x NH	80+	50/300
7100287455	200 mm x NH	120+	50/300
7100287539	200 mm x NH	150+	50/300
7100287832	200 mm x NH	180+	50/300
7100287454	200 mm x NH	220+	50/300
7100287824	200 mm x NH	240+	50/300
7100287830	200 mm x NH	320+	50/300

3M Xtract™ 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 aluminium, steel, composite, fibreglass, gelcoat, hardwood, paint, plastic, primer, softwood and more



3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7100305240	150 mm	P80	50/Carton
7100305241	150 mm	P120	50/Carton
7100305617	150 mm	P150	50/Carton
7100305242	150 mm	P180	50/Carton
7100305619	150 mm	P240	50/Carton
7100305620	150 mm	P320	50/Carton
7100305623	150 mm	P400	50/Carton
7100325462	150 mm	P600	50/250
7100325670	150 mm	P800	50/250

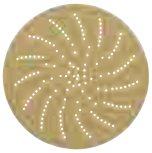
3M Xtract™ Film Disc 360L

- 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, fibreglass, gelcoat, hard composite, hardwood, paint, primer, topcoat and more



3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7100084760	75 mm	P400	100/500
7100010261	75 mm	P600	100/500
7100010262	75 mm	P800	100/500
7100010263	75 mm	P1000	100/500
7010029936	125 mm	P240	100/500
7100028668	125 mm	P280	100/500
7010029942	125 mm	P320	100/500
7010029943	125 mm	P400	100/500
7010029937	125 mm	P500	100/500
7010029938	125 mm	P600	100/500
7010029939	125 mm	P800	100/500
7010029940	125 mm	P1000	100/500
7100077620	150 mm	P220	100/500
7100077621	150 mm	P240	100/500
7010029944	150 mm	P280	100/500
7100077622	150 mm	P320	100/500
7100077623	150 mm	P400	100/500
7100077624	150 mm	P500	100/500
7100077625	150 mm	P600	100/500
7100077626	150 mm	P800	100/500
7100077975	150 mm	P1000	100/500

3M Xtract™ 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 aluminium, carbon steel, composites, wood, fibreglass, gelcoat, paint and glass

3M ID	Size (mm)	Grade	Box/Case
3M Xtract™ Clean Sanding Disc - Hookit™			
7000119599	75 mm	P80	50/250
7000119602	75 mm	P150	50/250
7000119605	75 mm	P240	50/250
7000119606	75 mm	P320	50/250
7000119607	75 mm	P400	50/250
7000119608	75 mm	P500	50/250
7010029926	125 mm	P80	50/250
7010029927	125 mm	P100	50/250
7010029928	125 mm	P120	50/250
7010029929	125 mm	P150	50/250
7010029930	125 mm	P180	50/250
7010029931	125 mm	P220	50/250
7010029932	125 mm	P240	50/250
7010029933	125 mm	P320	50/250
7010029934	125 mm	P400	50/250
7010029935	125 mm	P500	50/250
7100078152	150 mm	P80	50/250
7100078153	150 mm	P100	50/250
7100078154	150 mm	P120	50/250
7100078155	150 mm	P150	50/250
7100078156	150 mm	P180	50/250
7100078157	150 mm	P220	50/250
7100078158	150 mm	P240	50/250
7100078159	150 mm	P320	50/250
7100078180	150 mm	P400	50/250
7100078181	150 mm	P500	50/250

3M™ Cubitron™ 2 Hookit™ Cloth Disc 947A



- Cuts hard and fast to slice through metals
- 3M Precision Shaped Grain yields higher cut rates
- Delivers consistent performance on a wide range of metals
- Built on a durable, tear resistant X weight polyester cloth backing

3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7100113118	75 mm	40+	25/200
7100113113	75 mm	120+	25/200
7100113114	75 mm x NH	40+	25/200
7100113109	75 mm x NH	60+	25/200
7100113126	75 mm x NH	80+	25/200
7100113117	75 mm x NH	120+	25/200
7100169959	115 mm x NH	40+	25/200
7100169950	115 mm x NH	60+	25/200
7100169962	115 mm x NH	80+	25/200
7100169949	115 mm x NH	120+	25/200
7100113110	125 mm	40+	25/200
7100113096	125 mm	60+	25/200
7100113111	125 mm	80+	25/200
7100113075	125 mm	120+	25/200
7100113120	125 mm x NH	40+	25/200
7100113137	125 mm x NH	60+	25/200
7100112980	125 mm x NH	80+	25/200
7100085514	125 mm x NH	120+	25/200
7100113143	150 mm	40+	25/200
7100113076	150 mm	60+	25/200
7100113107	150 mm	80+	25/200
7100113871	150 mm	120+	25/200
7100113121	150 mm x NH	40+	25/200
7100113142	150 mm x NH	60+	25/200
7100113080	150 mm x NH	80+	25/200
7100113139	150 mm x NH	120+	25/200

3M™ Trizact™ Cloth Disc 237AA



- Finishing and polishing on stainless steel, carbon steel, high nickel alloys, titanium and aluminium
- Excellent finish consistency due to the structured patterned abrasive
- Ideal for finishing applications

3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7000097449	115 mm x NH	A16	25 ea/case
7000097448	115 mm x NH	A30	25 ea/case
7000097447	115 mm x NH	A45	25 ea/case
7000097446	115 mm x NH	A65	25 ea/case
7000097450	115 mm x NH	A65	25 ea/case
7000097445	115 mm x NH	A80	25 ea/case
7000097444	115 mm x NH	A100	25 ea/case

Scotch-Brite™ Discs with Hookit™ Attachment

Scotch-Brite™ Hookit™ 7447 PRO Disc



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

3M ID	Size (mm)	Grade	Box/Case
No Hole Configuration - Hookit™			
7010329332	125 mm x NH	A Very Fine	40 ea/case
7010300879	150 mm x NH	A Very Fine	40 ea/case

3M™ Cubitron™ 2 Discs with Stikit™ Attachment

3M™ Cubitron™ 2 Stikit™ 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 aluminium, composites, wood, fibreglass, gelcoat, topcoats and paint
- Now available in grades 80+ to 1000+

3M ID	Size (mm)	Grade	Box/Case
5-Hole and 6-Hole configuration - Stikit™			
7100044454	125 mm x NH	80+	50/250
7100075670	125 mm x NH	150+	50/250
7100075671	125 mm x NH	180+	50/250
7100075214	125 mm x NH	220+	50/250
7100044456	150 mm x NH	80+	50/250
7100045075	150 mm x NH	120+	50/250
7100075672	150 mm x NH	150+	50/250
7100075215	150 mm x NH	220+	50/250
No Hole Configuration - Stikit™			
7100044453	125 mm x NH	80+	50/250
7100044457	125 mm x NH	120+	50/250
7100075679	125 mm x NH	150+	50/250
7100075691	125 mm x NH	180+	50/250
7100075694	125 mm x NH	220+	50/250
7100044455	150 mm x NH	80+	50/250
7100045074	150 mm x NH	120+	50/250
7100075674	150 mm x NH	150+	50/250
7100075675	150 mm x NH	180+	50/250
7100075219	150 mm x NH	220+	50/250

3M™ Cubitron™ 2 Stikit™ Film Disc 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 (mm)	Grade	Qty/Case
No Hole Configuration - Stikit™			
7100044893	150 mm x NH	120+	50/250
7100044892	150 mm x NH	80+	50/250

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 aluminium, fibreglass, gelcoat, hard and soft woods



3M ID	Size (mm)	Grade	Qty/Case
No Hole Configuration - Stikit™			
7100284934	75 mm x NH	40+	50/250
7100284338	75 mm x NH	60+	50/250
7100284532	75 mm x NH	80+	50/250
7100284533	75 mm x NH	120+	50/250
7100284534	75 mm x NH	150+	50/250
7100282512	75 mm x NH	180+	50/250
7100282514	75 mm x NH	220+	50/250
7100284527	75 mm x NH	320+	50/250
7100284664	125 mm x NH	40+	50/250
7100284215	125 mm x NH	60+	50/250
7100284211	125 mm x NH	80+	50/250
7100284513	125 mm x NH	120+	50/250
7100284514	125 mm x NH	150+	50/250
7100282085	125 mm x NH	180+	50/250
7100282084	125 mm x NH	180+	50/250
7100282086	125 mm x NH	220+	50/250
7100284516	125 mm x NH	320+	50/250
7100284773	150 mm x NH	40+	50/250
7100284217	150 mm x NH	60+	50/250
7100284539	150 mm x NH	80+	50/250
7100284563	150 mm x NH	120+	50/250
7100284541	150 mm x NH	150+	50/250
7100281840	150 mm x NH	180+	50/250
7100281838	150 mm x NH	220+	50/250
7100284526	150 mm x NH	320+	50/250
7100284564	200 mm x NH	40+	50/250
7100284339	200 mm x NH	60+	50/250
7100284536	200 mm x NH	80+	50/250
7100284524	200 mm x NH	120+	50/250
7100284523	200 mm x NH	150+	50/250
7100282515	200 mm x NH	180+	50/250
7100282208	200 mm x NH	220+	50/250
7100284522	200 mm x NH	320+	50/250

3M™ Coated Abrasives Discs with Stikit™ Attachment

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 aluminium, carbon steel, composites, wood, fibreglass, gelcoat, paint and glass

3M ID	Size (mm)	Grade	Box/Case
6-Hole Configuration - Stikit™			
7000119551	150 mm x 6H	P80	100/4
7000119553	150 mm x 6H	P120	100/4
7000119554	150 mm x 6H	P150	100/4
7000119555	150 mm x 6H	P180	100/4
7000119556	150 mm x 6H	P220	100/4
7000119557	150 mm x 6H	P240	100/4
7000119558	150 mm x 6H	P320	100/4
7000119559	150 mm x 6H	P400	100/4
7000119560	150 mm x 6H	P500	100/4
No Hole Configuration - Stikit™			
7000119547	125 mm x NH	P240	100/4
7000119549	125 mm x NH	P400	100/4
7000119561	150 mm x NH	P80	100/4
7000119563	150 mm x NH	P120	100/4
7000119564	150 mm x NH	P150	100/4
7000119565	150 mm x NH	P180	100/4
7000119567	150 mm x NH	P240	100/4
7000119568	150 mm x NH	P320	100/4
7000119569	150 mm x NH	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	Size (mm)	Grade	Discs/Roll	Qty/Case
No Hole Configuration - Stikit™				
7000119243	150 mm x NH	P120	125/10	10
7000119244	150 mm x NH	P150	175/6	10
7000119245	150 mm x NH	P180	175/6	10
7000119246	150 mm x NH	P220	175/6	6
7000119247	150 mm x NH	P240	175/6	6
7000119248	150 mm x NH	P320	175/6	6
7010362373	150 mm x NH	P400	175/6	6

NH = No Hole

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. Aluminium 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 moulded-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 Xtract™ Electric Random Orbital Sanders

3M Xtract™ Electric Random Orbital Sander

Central Vacuum



Max RPM: 10,000
Motor HP: 0.28
Weight: 1.3 kg
Height: 105 mm
MOQ: 1

3M ID	Part No.	Diameter	Orbit Dia.	Voltage	Plug	Pad incl.	Box/Case
7100263559	88839	125 mm	2.5 mm	240 V	Type E - EU	89052	1 ea/case
7100263555	88835	125 mm	5 mm	240 V	Type E - EU	89052	1 ea/case
7100263525	88843	125 mm	5 mm	240 V	Type G	89052	1 ea/case
7100263549	88841	150 mm	2.5 mm	240 V	Type E - EU	89053	1 ea/case
7100263547	88857	150 mm	2.5 mm	110 V	EN60309	89053	1 ea/case
7100263558	88837	150 mm	5 mm	240 V	Type E - EU	89053	1 ea/case
7100263554	88845	150 mm	5 mm	240 V	Type G	89053	1 ea/case
7100263534	88853	150 mm	5 mm	110 V	EN60309	89053	1 ea/case

3M Xtract™ Pneumatic Random Orbital Sanders

3M Xtract™ Pneumatic Random Orbital Sander

Central Vacuum



Max RPM: 12,000
Motor HP: 0.28
Airflow Rate: 481 LPM
Weight: 0.9 kg
Height: 91 mm
MOQ: 1

3M ID	Part No.	Diameter	Orbit Dia.	Pad incl.	Box/Case
7100258884	88941	125 mm	2.5 mm	20353	1 ea/case
7100258886	88942	125 mm	5 mm	20353	1 ea/case
7100258885	88943	125 mm	8 mm	20353	1 ea/case
7100258887	88944	125 mm	9.5 mm	20353	1 ea/case
7100259232	88953	150 mm	2.5 mm	20356	1 ea/case
7100258801	88954	150 mm	5 mm	20356	1 ea/case
7100258707	88955	150 mm	8 mm	20356	1 ea/case
7100258799	88956	150 mm	9.5 mm	20356	1 ea/case

3M Xtract™ Pneumatic Random Orbital Sander

Self-Generated Vacuum



Max RPM: 12,000
Motor HP: 0.28
Airflow Rate: 481 LPM
Weight: 0.9 kg
Height: 91 mm
MOQ: 1

3M ID	Part No.	Diameter	Orbit Dia.	Pad incl.	Box/Case
7100264073	88945	125 mm	2.5 mm	20353	1 ea/case
7100264068	88946	125 mm	5 mm	20353	1 ea/case
7100264239	88947	125 mm	8 mm	20353	1 ea/case
7100264069	88948	125 mm	9.5 mm	20353	1 ea/case
7100264077	88957	150 mm	2.5 mm	20465	1 ea/case
7100264079	88958	150 mm	5 mm	20465	1 ea/case
7100264078	88959	150 mm	8 mm	20465	1 ea/case
7100264070	88960	150 mm	9.5 mm	20465	1 ea/case

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: 0.8 kg
Height: 91 mm
MOQ: 1

3M ID	Part No.	Diameter	Orbit Dia.	Pad incl.	Box/Case
7000148143	20325	150 mm	5 mm	20354	1 ea/case

3M™ Finesse-it™ Pneumatic Orbital Sander

Non-Vacuum



Max RPM: 8,000
Motor HP: 0.28
Airflow Rate: 481 LPM
MOQ: 1

3M ID	Part No.	Diameter	Orbit Dia.	Box/Case
7100307282	65993	32 mm	3 mm	1 ea/case

3M Xtract™ Portable Dust Extractor System



3M Xtract™ Portable Dust Extractors

3M™ Xtract™ Portable Dust Extractors

- Powerful industrial vacuum unit connects to 3M Xtract™ Random Orbital Sanders to remove dust from the work surface
- Automatic on/off compatibility with pneumatic and electric sanders
- Compact, sturdy design stands up to harsh industrial conditions
- Automatic filter clean without flow stoppage
- Quiet 69 dB(A) operation
- Front panel offers convenient access to controls and connections

3M ID	Part No.	Voltage	Plug	Box/Case
7100259732	64159	240 V	Type E - EU	1 ea/case
7100260424	64193	110 V	EN60309	1 ea/case



3M Random Orbital Sanders Accessories

3M Vacuum Hose Adaptors

	3M ID	Part No.	Description	End 1	End 2	Box/Case
	7000119372	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.	25,4 mm INT Thread	25,4 mm INT Thread	1 ea/case
	7000045004	20340	Used to attach a 1" (25.4 mm) ID hose to a 1-1/4" (31.75 mm) ID hose.	25,4 mm INT Thread	31,75 mm INT Thread	10 ea/case
	7000045250	28304	Used to attach a 1" (25.4 mm) ID hose to a 1" (25.4 mm) ID hose.	25,4 mm INT Thread	25,4 mm Push-On	1 ea/case
	7000045309	30324	Used to attach a 1" (25.4 mm) ID hose to a 3/4" (19 mm) ID hose.	25,4 mm INT Thread	19,05 mm Push-On	1 ea/case
	7000045005	20341	Used to attach a 1" (25.4 mm) ID hose thread to 1-1/2" (38.1 mm) OD hose.	25,4 mm INT Thread	38,1 mm Push-On	10 ea/case
	7000045312	30441	Used to attach a 1" (25.4 mm) OD hose to a 1-1/4" (31.75 mm) OD hose.	25,4 mm Push-On	31,75 mm Push-On	1 ea/case
	7000045311	30440	Used to attach a 1" (25.4 mm) OD hose to a 1-1/2" (38.1 mm) OD hose.	25,4 mm Push-On	38,1 mm Push-On	1 ea/case
	7000045310	30439	Used to attach a 1" (25.4 mm) OD hose to a 2" (50.8 mm) OD hose.	25,4 mm Push-On	50,8 mm Push-On	1 ea/case

3M Random Orbital Sanders Accessories

3M Xtract™ Back Up Pads

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


89052


89053

3M ID	Part No.	Diameter	Type	Thread Size	Hole Config	Box/Case
7100273845	89052	125 mm	Extra Hard	5/16 - 24 EXT	Clean Sand	10 ea/case
7100273863	89053	150 mm	Extra Hard	5/16 - 24 EXT	Clean Sand	10 ea/case

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


89410


89409

3M ID	Part No.	Diameter	Type	Thread Size	Hole Config	Box/Case
7100273463	89410	125 mm	Hard	5/16 - 24 EXT	Clean Sand	10 ea/case
7100270476	89409	150 mm	Hard	5/16 - 24 EXT	Clean Sand	10 ea/case

Low Profile Disc Pads (Firm, Hook Type 2)

20350


20353


20465

3M ID	Part No.	Diameter	Type	Thread Size	Hole Config	Box/Case
7000028147	20350	75 mm	Firm	1/4-20 EXT	3 Hole	10 ea/case
7100037832	20353	125 mm	Firm	5/16 - 24 EXT	44 hole	10 ea/case
7100022038	20465	150 mm	Firm	5/16 - 24 EXT	51 hole	10 ea/case

Standard Profile Disc Pads (Medium, Hook Type 1)


89925


05876

3M ID	Part No.	Diameter	Type	Thread Size	Hole Config	Box/Case
7100278691	89925	125 mm	Medium	5/16 - 24 EXT	Clean Sand	10 ea/case
7100032853	05876	150 mm	Medium	5/16 - 24 EXT	6 Hole	10 ea/case

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


20428


20290


20425

3M ID	Part No.	Diameter	Type	Thread Size	Hole Config	Box/Case
7010360095	20428	75 mm	Soft	1/4-20 EXT	6 Hole	10 ea/case
7100009657	20290	125 mm	Soft	5/16 - 24 EXT	31 hole	10 ea/case
7000118613	20425	150 mm	Soft	5/16 - 24 EXT	52 hole	10 ea/case

3M Hook Savers (Black, Hook Type 2)


20444

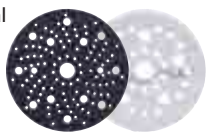

20443


20446

3M ID	Part No.	Diameter	Thread Size	Box/Case
7000045251	28326	75 mm	3 Hole	20 ea/case
7000045011	20443	125 mm	Clean Sand	20 ea/case
7000042703	20446	150 mm	Clean Sand	20 ea/case

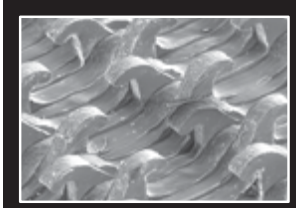
3M™ Interface Pads

- Medium density foam provides additional flexibility on contours
- Ideal for sanding curves, angles and contours
- Applies effortlessly between Hookit™ discs and Hookit™ back-up pads for quick changeouts

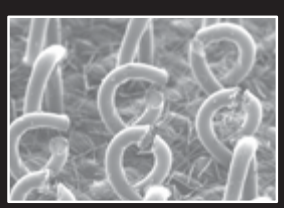


3M ID	Part No.	Thickness	Hole Pattern	Box/Case
7000000498	5771	10 mm	6 Hole	10 ea/case
7100009701	28323	10 mm	Clean Sand	10 ea/case
7000032538	51126	5 mm	Clean Sand	10 ea/case
7000032539	51127	10 mm	Clean Sand	10 ea/case

3M™ Disc Pad Hook Types



Hook Type 1
3M™ Hookit™ Small Moulded J Hook



Hook Type 2
3M™ Hookit™ Tall J Hook

3M Xtract™ Portable Dust Extractor Accessories

3M Xtract™ Portable Dust Extractor - Vacuum Cleaner Hoses


28370


28301


28393


64934

3M ID	Part No.	Description	Inner Dia.	Length	Thread	Box/Case
7010362547	28730	Black, Anti-Static	25.4 mm	1.22 m	25.4 mm EXT	1 ea/case
7000045247	28301	Red	25.4 mm	1.8 m	25.4 mm EXT	1 ea/case
7000045271	28393	Red	25.4 mm	18.25 m	25.4 mm EXT	1 ea/case
7000032248	64934	Duel Air + Extraction	25.4 mm	5 m	25.4 mm EXT	1 ea/case

3M Xtract™ Hose Sleeve



3M ID	Part No.	Description	Length	Box/Case
7100277474	89419	Plastic mesh. To combine the hose and cable.	14' 9" (4.5 m)	1 ea/case

3M Portable Dust Extractor Accessories

3M Filter Cartridges and Bags

	Part No.	Product Name	Description	3M ID	Box/ Case
	95151	3M™ Filter Cartridge Class M	Filter efficiency: 99.995%	7100276588	1 pair
	95259	3M™ Filter Cartridge Class H	Filter efficiency: 99.9%	7100276406	1 pair
	95953	3M™ Fleece Bag	Capacity: 2.2–4.4 lb (1-2 kg)	7100276407	5
	95981	3M™ Poly Bag	Capacity: 22–26.5 lb (10-12 kg)	7100276408	5

3M Hoses and Adaptors

	Part No.	Product Name	Description	3M ID	Box/ Case
	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 Portable Dust Extractor Accessories (continued)

3M Cleaning Accessories

	Part No.	Product Name	Description	3M ID	Box/ Case
	96043	3M™ Floor Nozzle 30	Plastic floor nozzle with brushes and rollers.	7100276597	1
	96359	3M™ Telescopic Pipe	Telescopic stainless steel tube, extendible 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	Box/ Case
	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 Xtract™ Pneumatic Random Orbital Sander —Self Generated Vacuum Accessories

3M Xtract™ Filter Bags



Part No.: 65967
3M ID: 7100296134
Description: For direct attachment to the SGV ROS using the 20453 adaptor and A0778 hose seal.
Size: Large
Capacity: Holds up to 227 g
Box/Case: 5/Bag



Part No.: 65968
3M ID: 7100296135
Description: For use with Backpack Assembly 28364 which holds and protects the Filter Bag.
Size: Extra-Large
Capacity: Holds up to 1.36 kg
Box/Case: 10/Bag

3M™ Filter Bag Adaptors and Accessories



28365



28383



20453

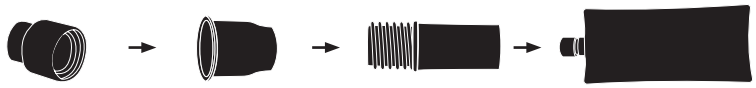


A0778

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

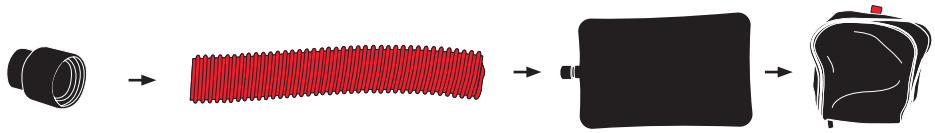
Self-Generated and Central Vacuum System Assembly

How to Assemble Self-Generated and Central Vacuum Sanding Systems



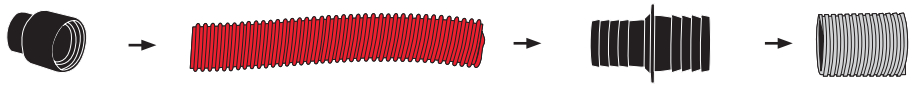
Self-Generated Vacuum Exhaust | Hose Seal (PNA0778) | Filter Bag Adapter (PN20453) | Lg Filter Bag (PN65967)

Self-Generated Vacuum System



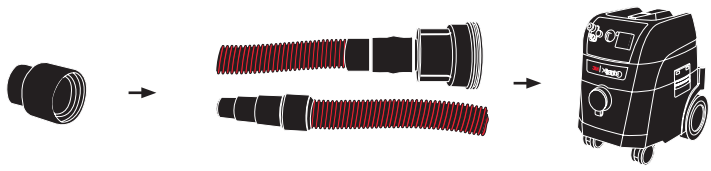
Self-Generated Vacuum Exhaust | 3M Vacuum Hose | XL Filter Bag (PN65968) | Backpack Assembly (PN28365)

Non-3M Central Vacuum System



Self-Generated Vacuum Exhaust | 3M Vacuum Hose | Vacuum Hose Adapter | Central Vacuum System

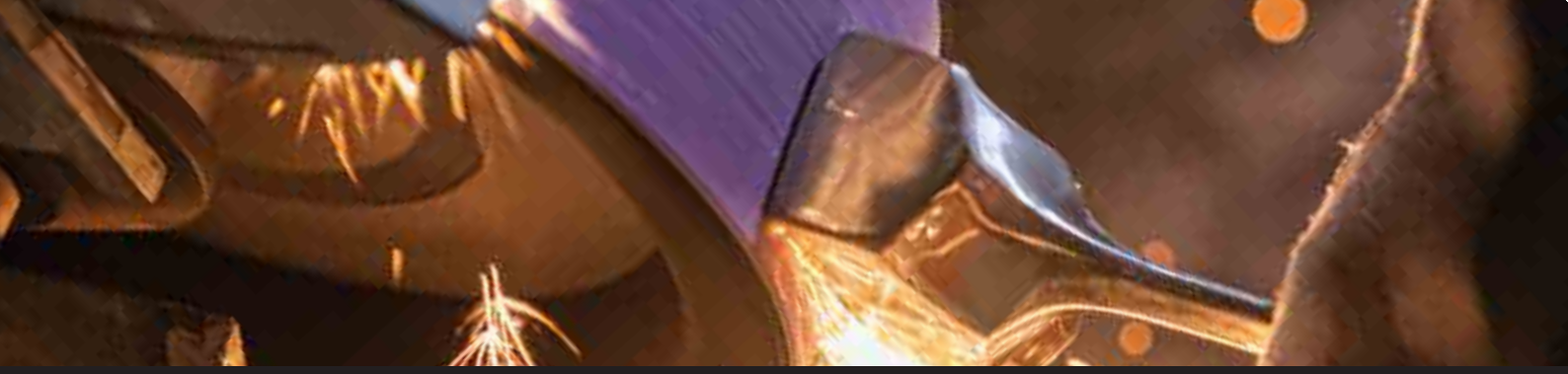
3M Xtract™ Portable Dust Extractor System



Central Vacuum Exhaust | 3M Xtract™ Portable Dust Extractor Hose | Portable Dust Extractor

Random Orbital Systems





Abrasive Belt Systems

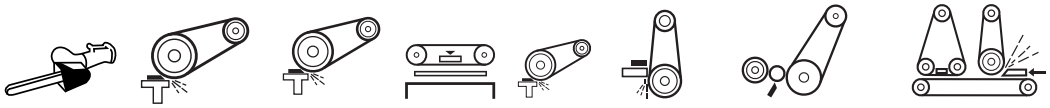
3M™ Belts

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



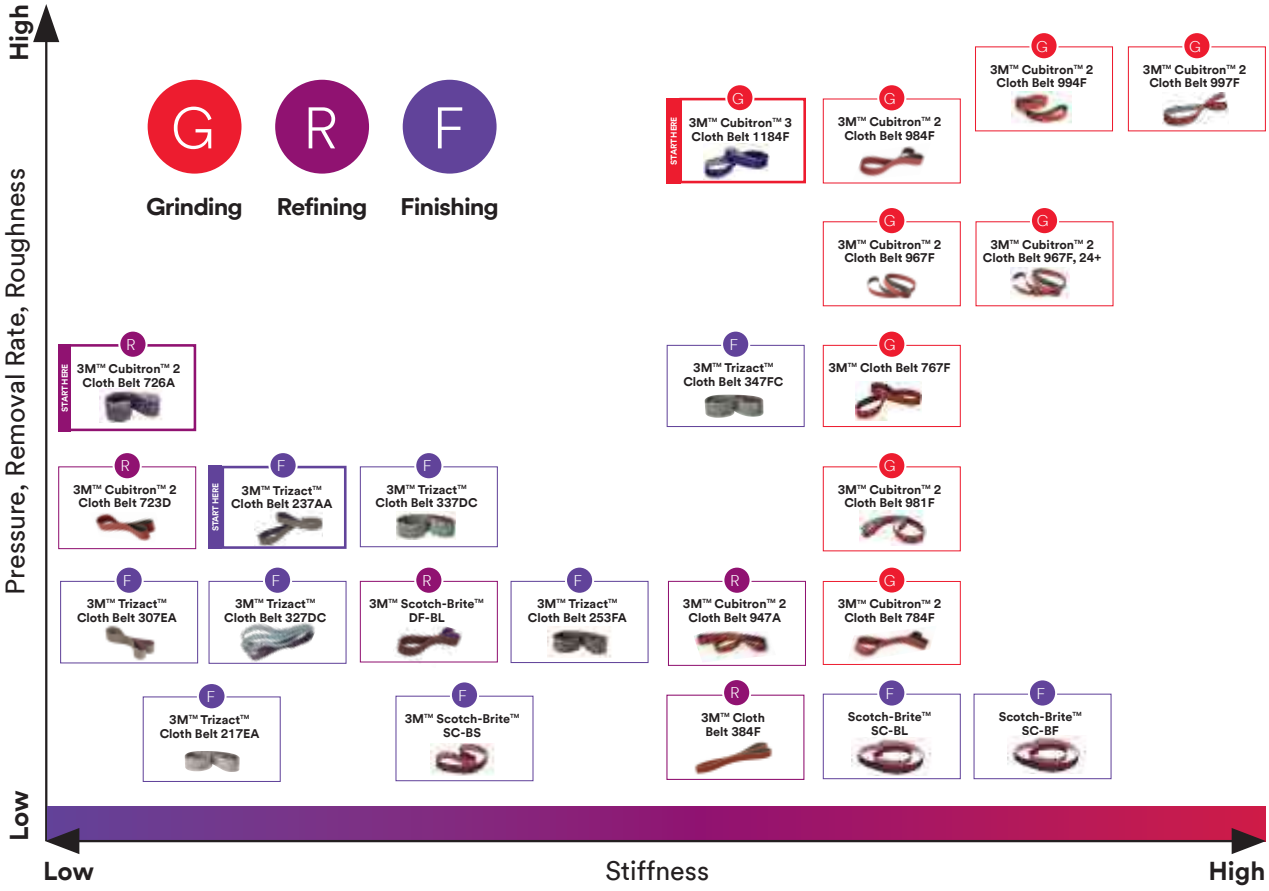
Recommended Starting Point	Portable File Belt	Coarse Grade High Pressure Grinding	Backstand/ Off Hand Low-Med Pressure	Stroke Sander	Bench Top Belt Sander	Slack of Belt Sander	Centerless and Roll Grinding		Flat and Wide Belt Finishing	
							Dry	Wet	Dry	Wet
Carbon Steel and Cast Iron										
Recommended	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	—	726A	237AA	726A	327DC	347FC	363FC	461F	461F
	237AA	—	237AA	—	237AA	217EA	—	464W	237AA	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	327DC	347FC	363FC	461F	461F/464W
	—	—	237AA	—	337DC	217EA	—	464W	237AA	253FA
Aluminium 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	384F	384F	237AA	253FA	461F	461F
	—	—	—	767F/384F	767F/384F	217EA	—	—	—	—
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	—	461F	—	237AA	217EA	N/A	461F/464W	N/A	461F
	237AA/461F	—	237AA	—	—	461F	N/A	463FC	N/A	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

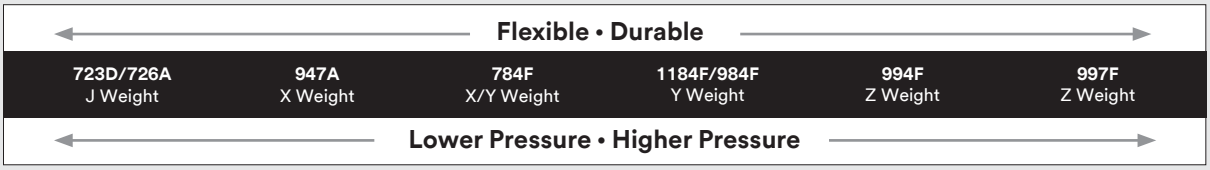
Abrasives Belt Application Guide

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.



Note: Scale is relative to the product type.

3M™ Coated Belt Backing Guide



Abrasive Speed Recommendations for Off-Hand Applications

Alloy	Belt Speed (surface feet per minute)	Application Belt Grades
Cast Iron	7,000	24–120
Carbon Steel	6,500	24–120
Stainless Steel	6,500–7,000	36–120
Nickel Alloys	6,000	36–120
Titanium	1,000–3,000	24–180
Aluminium	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	800	P1000
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				✓●		✓●	✓●		✓●									
784F	A/O Ceramic Blend	XF/YF	Yes	Dry/Wet			■●		■●	✓●	■●		■●	✓●	■●							
767F		YF	Yes	Dry/Wet			✓●			✓●	✓●		✓●									
726A		J	Yes	Dry							✓●		✓●	✓●	✓●	✓●	✓●	✓●	✓●			
723D		J	No	Dry								✓	✓	✓	✓	✓						
423A	Silicon Carbide	J	No	Dry									✓	✓	✓		✓	✓	✓	✓	✓	✓
384F	A/O Ceramic eBlend	XF	No	Dry/Wet			✓●		✓●	✓●	■●		■●	✓●	■●	✓●	✓●	P●	P●			

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

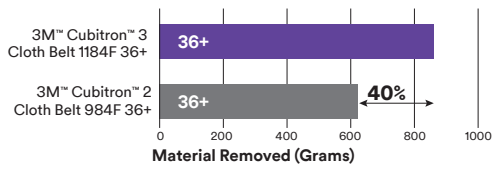


A new era of abrasive performance is here.

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.

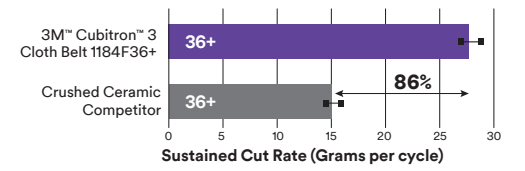
36+

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" (91.4 cm) long belts. Total material removed: the total material removed in grams at 40 cycles.

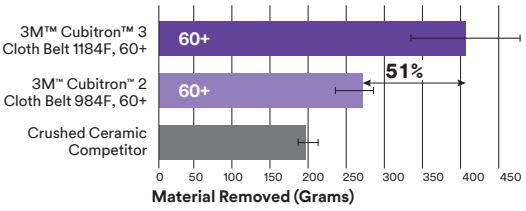
Up to **86%**
faster sustained cut rate compared to a
crushed ceramic competitor



Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" (91.4 cm) 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

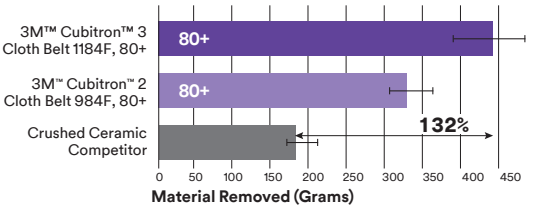


Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" (91.4 cm) long belts. Total material removed: The total material removed in grams at 45 cycles.

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" (91.4 cm) long belts. Total material removed: The total material removed in grams at 45 cycles.

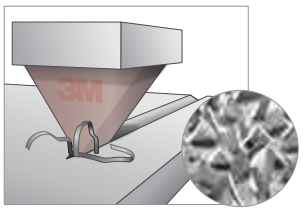
Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

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

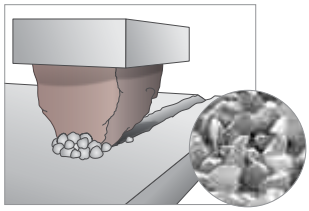
Conventional ceramic abrasive grain tends to “plough” through metal, causing heat to build up in the workpiece and abrasive, resulting in a slower cut and shorter abrasive life.

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.

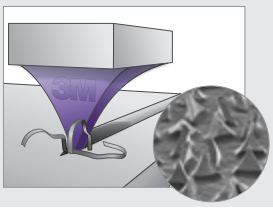
3M Precision-Shaped Grain



Conventional ceramic abrasive



Our latest 3M Precision-Shaped Grain



3M Cubitron™ 3 Performance Abrasives

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

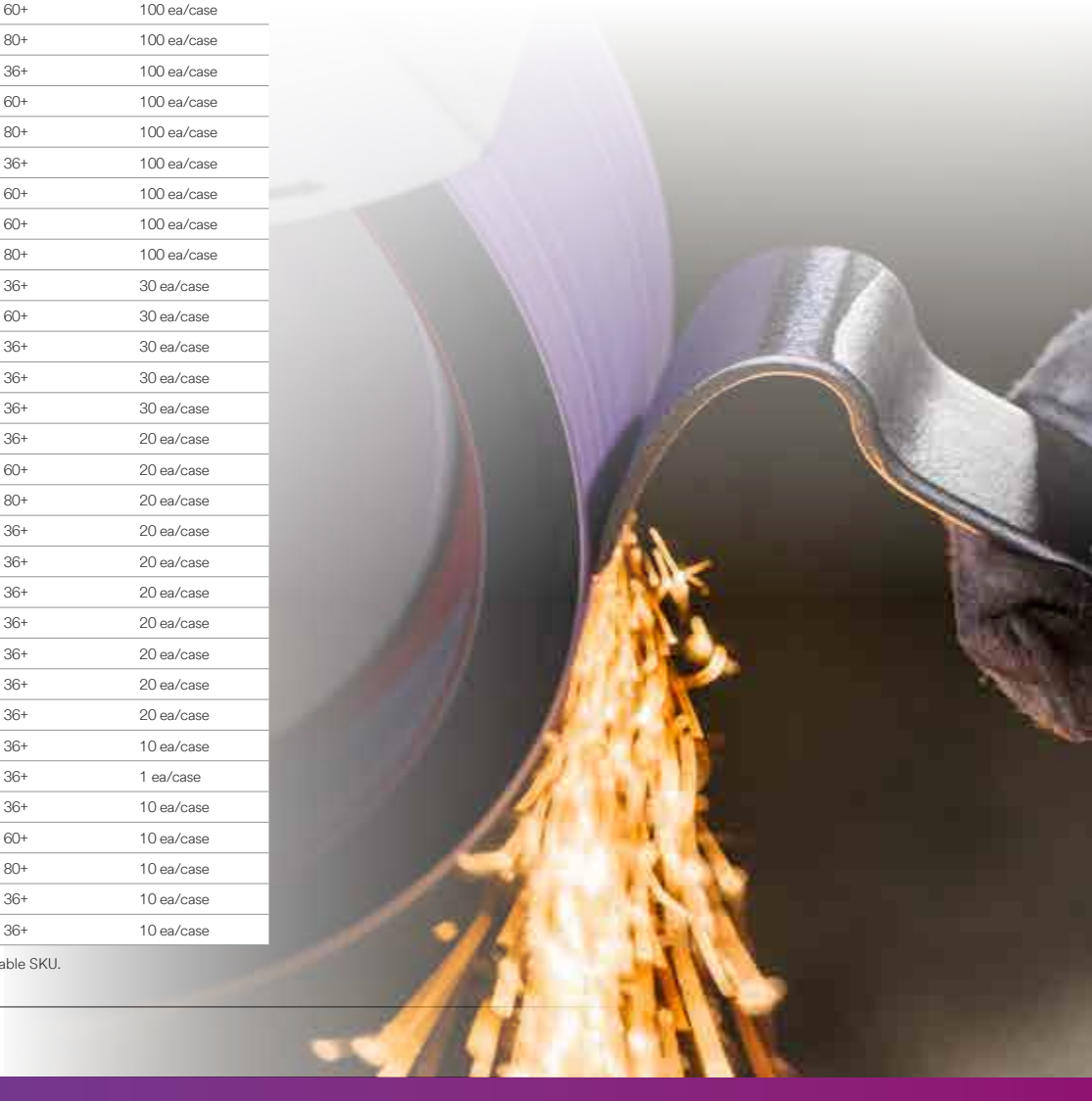
3M™ Cubitron™ 3 Cloth Belt 1184F, YF-weight



- 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	Box/Case
7100313150	Configurable*	36+	Determined by belt size
7100330154		60+	
7100330153		80+	
7100376275	10 mm x 330 mm	60+	100 ea/case
7100376278	12 mm x 330 mm	60+	100 ea/case
7100376232	12 mm x 330 mm	80+	100 ea/case
7100329008	13 mm x 457 mm	36+	100 ea/case
7100376277	13 mm x 457 mm	60+	100 ea/case
7100376231	13 mm x 457 mm	80+	100 ea/case
7100329007	13 mm x 610 mm	36+	100 ea/case
7100376227	13 mm x 610 mm	60+	100 ea/case
7100376276	20 mm x 520 mm	60+	100 ea/case
7100376230	20 mm x 520 mm	80+	100 ea/case
7100329006	50 mm x 2000 mm	36+	30 ea/case
7100376226	50 mm x 2000 mm	60+	30 ea/case
7100329005	50 mm x 2500 mm	36+	30 ea/case
7100329004	50 mm x 3500 mm	36+	30 ea/case
7100329003	50 mm x 4000 mm	36+	30 ea/case
7100326912	75 mm x 2000 mm	36+	20 ea/case
7100376273	75 mm x 2000 mm	60+	20 ea/case
7100376228	75 mm x 2000 mm	80+	20 ea/case
7100329009	75 mm x 2500 mm	36+	20 ea/case
7100329010	75 mm x 3000 mm	36+	20 ea/case
7100329014	100 mm x 1220 mm	36+	20 ea/case
7100329013	100 mm x 2000 mm	36+	20 ea/case
7100329046	100 mm x 2200 mm	36+	20 ea/case
7100329012	100 mm x 3000 mm	36+	20 ea/case
7100329047	100 mm x 3200 mm	36+	20 ea/case
7100329011	120 mm x 2500 mm	36+	10 ea/case
7100329877	1320 mm x 2150 mm	36+	1 ea/case
7100329043	150 mm x 2000 mm	36+	10 ea/case
7100376274	150 mm x 2000 mm	60+	10 ea/case
7100376229	150 mm x 2000 mm	80+	10 ea/case
7100329045	150 mm x 2900 mm	36+	10 ea/case
7100329044	150 mm x 3500 mm	36+	10 ea/case

*Custom belt sizing is available using the configurable SKU.



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 aluminium 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	Box/Case
7100007990	Configurable*	36+	Determined by belt size
7100007991		60+	
7100007992		80+	
7100082475		120+	
7000060872	10 mm x 330 mm	60+	100 ea/case
7000060889	12 mm x 330 mm	60+	100 ea/case
7100218990	12 mm x 520 mm	36+	100 ea/case
7000060873	13 mm x 305 mm	60+	100 ea/case
7000060861	13 mm x 457 mm	36+	100 ea/case
7000060865	13 mm x 457 mm	60+	100 ea/case
7000060866	13 mm x 457 mm	80+	100 ea/case
7000060862	13 mm x 610 mm	36+	100 ea/case
7000060867	13 mm x 610 mm	60+	100 ea/case
7000060868	13 mm x 610 mm	80+	100 ea/case
7000060870	20 mm x 457 mm	60+	100 ea/case
7000060863	20 mm x 520 mm	36+	100 ea/case
7000060869	20 mm x 520 mm	60+	100 ea/case
7000060880	20 mm x 520 mm	80+	100 ea/case
7000060823	25 mm x 4000 mm	36+	40 ea/case
7000060881	30 mm x 533 mm	36+	40 ea/case
7000060882	30 mm x 533 mm	60+	40 ea/case
7000060768	38 mm x 1525 mm	36+	40 ea/case
7100218988	50 mm x 1000 mm	36+	30 ea/case
7100219008	50 mm x 1500 mm	36+	30 ea/case
7000060748	50 mm x 2000 mm	36+	30 ea/case
7000060848	50 mm x 2000 mm	60+	30 ea/case
7000060849	50 mm x 2000 mm	80+	30 ea/case
7000060741	50 mm x 2500 mm	36+	30 ea/case
7100218978	50 mm x 2500 mm	60+	30 ea/case
7100218982	50 mm x 2740 mm	60+	30 ea/case
7000060743	50 mm x 3500 mm	36+	30 ea/case
7100218948	50 mm x 3500 mm	60+	30 ea/case
7000060754	50 mm x 4000 mm	36+	30 ea/case
7000060780	50 mm x 4000 mm	60+	30 ea/case
7000060779	50 mm x 4000 mm	80+	30 ea/case
7000060875	50 mm x 450 mm	60+	30 ea/case
7100218996	50 mm x 787 mm	36+	30 ea/case
7100219016	60 mm x 2175 mm	36+	30 ea/case
7000060749	60 mm x 3500 mm	36+	30 ea/case
7100219021	70 mm x 2000 mm	60+	30 ea/case
7100219059	70 mm x 4000 mm	36+	20 ea/case
7000060753	75 mm x 2000 mm	36+	20 ea/case

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

3M ID	W x L	Grade	Box/Case
7000060778	75 mm x 2000 mm	60+	20 ea/case
7000060777	75 mm x 2000 mm	80+	20 ea/case
7000060762	75 mm x 2250 mm	36+	20 ea/case
7000060742	75 mm x 2500 mm	36+	20 ea/case
7000060766	75 mm x 3000 mm	36+	20 ea/case
7000060744	75 mm x 3500 mm	36+	20 ea/case
7100219024	75 mm x 4000 mm	36+	20 ea/case
7100219005	80 mm x 9000 mm	80+	20 ea/case
7000060773	100 mm x 1000 mm	36+	20 ea/case
7000060767	100 mm x 1220 mm	36+	20 ea/case
7000060755	100 mm x 2000 mm	36+	20 ea/case
7100218981	100 mm x 2000 mm	60+	20 ea/case
7100219022	100 mm x 2200 mm	36+	20 ea/case
7100218972	100 mm x 2250 mm	36+	20 ea/case
7100218969	100 mm x 2500 mm	36+	20 ea/case
7000060756	100 mm x 3000 mm	36+	20 ea/case
7000060746	100 mm x 3500 mm	36+	20 ea/case
7100049830	100 mm x 4000 mm	36+	20 ea/case
7100218977	100 mm x 9000 mm	80+	20 ea/case
7100218999	102 mm x 4270 mm	36+	20 ea/case
7100218968	120 mm x 1000 mm	36+	10 ea/case
7000060757	120 mm x 2500 mm	36+	10 ea/case
7100218967	120 mm x 2800 mm	36+	10 ea/case
7100219017	120 mm x 9000 mm	36+	10 ea/case
7000060751	150 mm x 2000 mm	36+	10 ea/case
7000060775	150 mm x 2000 mm	60+	10 ea/case
7000060789	150 mm x 2000 mm	80+	10 ea/case
7000060822	150 mm x 2250 mm	36+	10 ea/case
7100218966	150 mm x 2500 mm	36+	10 ea/case
7100218980	150 mm x 2500 mm	60+	10 ea/case
7100218975	150 mm x 2500 mm	80+	10 ea/case
7000060790	150 mm x 3500 mm	60+	10 ea/case
7000060752	150 mm x 3500 mm	36+	10 ea/case
7000060788	150 mm x 3500 mm	80+	10 ea/case
7000060771	150 mm x 10700 mm	36+	6 ea/case
7100038905	190 mm x 2360 mm	80+	10 ea/case
7000060772	200 mm x 4250 mm	36+	5 ea/case
7100218964	300 mm x 3000 mm	36+	10 ea/case
7100218976	300 mm x 3000 mm	80+	10 ea/case
7100218945	300 mm x 3500 mm	80+	10 ea/case
7100096388	700 mm x 3200 mm	80+	100 ea/Pallet

*Custom belt sizing is available using the configurable SKU.

3M™ Coated Abrasive Belts

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 aluminium applications



3M ID	W x L	Grade	Box/Case
7100047077	Configurable*	36+	Determined by belt size

*Custom belt sizing is available using the configurable SKU.

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 aluminium, 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	Box/Case
7100138642	Configurable*	36+	Determined by belt size
7100138643		40+	
7100138645		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	W x L	Grade	Box/Case
7100091857	Configurable*	24+	Determined by belt size
7100091859		36+	
7100091861		50+	
7100091863		60+	
7100091865		80+	

*Custom belt sizing is available using the configurable SKU.

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	W x L	Grade	Box/Case
7100091849	Configurable*	36+	Determined by belt size
7100091853		60+	
7100328474	1600 mm x 2616 mm	36+	2 ea/case
7100328418	1600 mm x 2616 mm	60+	2 ea/case

*Custom belt sizing is available using the configurable SKU.

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 aluminium



3M ID	W x L	Grade	Box/Case
7100171627	Configurable*	40+	Determined by belt size
7100023234		60+	
7100023179		80+	
7100023178		120+	
7100176940	10 mm x 330 mm	40+	100 ea/case
7100069960	10 mm x 330 mm	60+	100 ea/case
7100070629	10 mm x 330 mm	80+	100 ea/case
7100218984	10 mm x 330 mm	120+	100 ea/case
7100219040	13 mm x 305 mm	60+	100 ea/case
7100219041	13 mm x 305 mm	80+	100 ea/case
7100026792	13 mm x 457 mm	40+	100 ea/case
7100026527	13 mm x 457 mm	60+	100 ea/case
7100026427	13 mm x 457 mm	80+	100 ea/case
7100026428	13 mm x 457 mm	120+	100 ea/case
7100026526	13 mm x 610 mm	60+	100 ea/case
7100026755	13 mm x 610 mm	80+	100 ea/case
7100026547	13 mm x 610 mm	120+	100 ea/case
7100028819	19 mm x 457 mm	40+	100 ea/case
7100027081	19 mm x 457 mm	60+	100 ea/case
7100026363	19 mm x 457 mm	80+	100 ea/case
7100027618	19 mm x 457 mm	120+	100 ea/case
7100026793	19 mm x 520 mm	40+	100 ea/case
7100026756	19 mm x 520 mm	60+	100 ea/case
7100026791	19 mm x 520 mm	80+	100 ea/case
7100218955	20 mm x 480 mm	60+	100 ea/case
7100218954	20 mm x 520 mm	60+	100 ea/case
7100047970	20 mm x 520 mm	80+	100 ea/case
7100218950	20 mm x 520 mm	120+	100 ea/case
7100059652	25 mm x 760 mm	120+	100 ea/case
7100218993	50 mm x 450 mm	120+	30 ea/case
7100026754	50 mm x 2000 mm	120+	30 ea/case
7100218953	50 mm x 2500 mm	40+	30 ea/case
7100026544	75 mm x 2000 mm	40+	20 ea/case
7100025847	75 mm x 2000 mm	60+	20 ea/case
7100026540	75 mm x 2000 mm	80+	20 ea/case
7100026546	75 mm x 2000 mm	120+	20 ea/case
7100026426	100 mm x 289 mm	60+	20 ea/case
7100026670	100 mm x 289 mm	80+	20 ea/case
7100026528	100 mm x 289 mm	120+	20 ea/case
7100172068	100 mm x 3500 mm	80+	20 ea/case
7100057132	100 mm x 3500 mm	120+	20 ea/case
7100221782	100 mm x 6800 mm	80+	20 ea/case
7100219001	100 mm x 9000 mm	60+	20 ea/case
7100219068	100 mm x 9000 mm	80+	20 ea/case
7100026529	100 mm x 9000 mm	120+	20 ea/case
7100093208	345 mm x 1615 mm	80+	5 ea/case
7100219146	345 mm x 1615 mm	120+	5 ea/case

*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	W x L	Grade	Box/Case
7100171629	Configurable*	36+	Determined by belt size
7100091823		50+	
7100091825		60+	
7100091827		80+	
7100091829		120+	
7100091831		150+	
7100091833		180+	
7100219054	10 mm x 330 mm	60+	100 ea/case
7100219053	10 mm x 330 mm	80+	100 ea/case
7100218971	12 mm x 330 mm	60+	100 ea/case
7100218959	13 mm x 305 mm	60+	100 ea/case
7100218935	13 mm x 305 mm	80+	100 ea/case
7100218942	13 mm x 457 mm	60+	100 ea/case
7100218934	13 mm x 457 mm	80+	100 ea/case
7100218941	13 mm x 610 mm	60+	100 ea/case
7100219038	13 mm x 610 mm	80+	100 ea/case
7100142081	20 mm x 457 mm	50+	100 ea/case
7100218938	20 mm x 457 mm	60+	100 ea/case
7100218937	20 mm x 520 mm	60+	100 ea/case
7100181788	20 mm x 520 mm	80+	100 ea/case
7100219050	50 mm x 2010 mm	36+	30 ea/case
7100219030	50 mm x 4000 mm	36+	30 ea/case
7100219028	75 mm x 2000 mm	36+	20 ea/case
7100146406	75 mm x 2000 mm	60+	20 ea/case
7100218932	75 mm x 2000 mm	80+	20 ea/case
7100219046	75 mm x 2000 mm	120+	20 ea/case
7100219056	100 mm x 289 mm	60+	20 ea/case
7100219055	100 mm x 289 mm	80+	20 ea/case
7100219057	100 mm x 2250 mm	80+	20 ea/case
7100144567	100 mm x 3150 mm	50+	20 ea/case
7100219023	100 mm x 3500 mm	50+	20 ea/case
7100219043	100 mm x 9000 mm	80+	20 ea/case
7100219037	150 mm x 2000 mm	36+	10 ea/case
7100218940	150 mm x 2000 mm	60+	10 ea/case
7100219051	150 mm x 2000 mm	120+	10 ea/case
7100219036	150 mm x 2500 mm	36+	10 ea/case
7100218939	150 mm x 3000 mm	60+	10 ea/case
7100219045	150 mm x 3500 mm	36+	10 ea/case
7100219013	150 mm x 3500 mm	50+	10 ea/case
7100200445	160 mm x 1175 mm	60+	60 ea/case
7100219033	220 mm x 2000 mm	36+	10 ea/case
7100219004	220 mm x 2000 mm	50+	10 ea/case
7100326793	650 mm x 3000 mm	80+	1 ea/case
7100330017	1625 mm x 2150 mm	36+	1 ea/case
7100328991	1625 mm x 2150 mm	50+	1 ea/case

*Custom belt sizing is available using the configurable SKU.

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 aluminium
- Constructed on a Y-weight polyester cloth backing

3M ID	W x L	Grade	Box/Case
7100266289	Configurable*	36+	Determined by belt size
7100266290		60+	
7100266291		80+	
7100266292		120+	

*Custom belt sizing is available using the configurable SKU.

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	W x L	Grade	Box/Case
7100289610	Configurable*	80+	Determined by belt size
7100289609		120+	
7100289608		150+	
7100289607		180+	
7100289606		220+	
7100289605		240+	
7100289604		320+	
7100289603		400+	
7100329880	930 mm x 1900 mm	80+	4 ea/case
7100329881	930 mm x 1900 mm	120+	4 ea/case
7100329882	930 mm x 1900 mm	150+	4 ea/case
7100330063	930 mm x 1900 mm	180+	4 ea/case
7100330064	930 mm x 1900 mm	240+	4 ea/case
7100330066	930 mm x 1900 mm	320+	4 ea/case

*Custom belt sizing is available using the configurable SKU.

3M™ Coated Abrasive Belts

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	W x L	Grade	Box/Case
7100093046	Configurable*	100+	Determined by belt size
7100091835		120+	
7100091837		150+	
7100091839		180+	
7100091841		220+	

*Custom belt sizing is available using the configurable SKU.

3M™ Cubitron™ Cloth Belt 423A

- Widely used in metal blending and finishing applications
- The flexibility makes this product a good choice when using a soft contact wheel
- Suitable for manual, robot and automated processes



3M ID	W x L	Grade	Box/Case
7100289522	Configurable*	P120	Determined by belt size
7100289521		P150	
7100289520		P180	
7100289519		P240	
7100289518		P320	
7100289517		P400	
7100289516		P600	
7100289515		P800	
7100289514		P1000	
7100321936	30 mm x 3500 mm	P240	40 ea/case
7100287057	50 mm x 3500 mm	P120	30 ea/case
7100287051	50 mm x 3500 mm	P150	30 ea/case
7100287064	50 mm x 3500 mm	P180	30 ea/case
7100287065	50 mm x 3500 mm	P240	30 ea/case
7100287052	50 mm x 3500 mm	P320	30 ea/case
7100287066	50 mm x 3500 mm	P400	30 ea/case
7100287067	50 mm x 3500 mm	P600	30 ea/case
7100287068	50 mm x 3500 mm	P800	30 ea/case
7100287069	50 mm x 3500 mm	P1000	30 ea/case

*Custom belt sizing is available using the configurable SKU.

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	W x L	Grade	Box/Case
7100091777	Configurable*	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	

*Custom belt sizing is available using the configurable SKU.



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 discolour. 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.

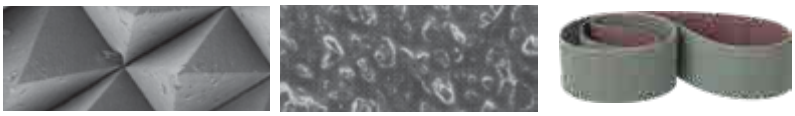
3M™ Trizact™ Belt Grading System

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	Aluminium	Titanium
Aluminium 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
	A100	46-55	44-46	55-63	51-62	40-48
Silicone Carbide	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*	Aluminium 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				●		●	●		●		●		●		●		
307EA*		Flex J weight	Low-Med Pressure	Dry				●		●	●		●		●		●		●		
337DC		Semi Flex X weight	Med Pressure	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 aluminium, 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	Box/Case
7100052788	Configurable*	A6	Determined by belt size
7100052787		A16	
7100052786		A30	
7100052768		A45	
7100052769		A65	
7100052770		A80	
7100052771		A100	
7100029807	55 mm x 3800 mm	A16	30 ea/case
7100030274	55 mm x 3800 mm	A30	30 ea/case
7100030736	55 mm x 3800 mm	A45	30 ea/case

*Custom belt sizing is available using the configurable SKU.

3M™ Trizact™ Cloth Belt 307EA



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

3M ID	W x L	Grade	Box/Case
7100052733	Configurable*	A6	Determined by belt size
7100052732		A16	
7100052731		A30	
7100052730		A45	
7100052729		A65	
7100052728		A80	
7100112315		A100	
7100219020	100 mm x 4000 mm	A45	20 ea/case
7100168938	25 mm x 4000 mm	A16	40 ea/case
7100218922	300 mm x 3500 mm	A100	10 ea/case
7100218956	300 mm x 3500 mm	A30	10 ea/case
7100218957	300 mm x 3500 mm	A65	10 ea/case
7100218983	40 mm x 3500 mm	A16	30 ea/case
7100218961	50 mm x 1520 mm	A100	30 ea/case
7000060356	50 mm x 1525 mm	A16	30 ea/case
7100218974	50 mm x 2500 mm	A16	30 ea/case
7100218960	50 mm x 2500 mm	A30	30 ea/case
7000059979	50 mm x 3500 mm	A30	30 ea/case
7100166994	50 mm x 4000 mm	A16	30 ea/case
7000045605	57 mm x 3759 mm	A65	50 ea/case

*Custom belt sizing is available using the configurable SKU.

3M™ Trizact™ Cloth Belt 237AA



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

3M ID	W x L	Grade	Box/Case
7100007882	Configurable*	A6	Determined by belt size
7100007878		A16	
7100007880		A30	
7100007881		A45	
7100007883		A65	
7100007884		A80	
7100007877		A100	
7100007879		A160	
7100030727	13 mm x 610 mm	A30	n/a
7100219035	100 mm x 289 mm	A16	20 ea/case
7100219073	100 mm x 289 mm	A30	20 ea/case
7100219066	100 mm x 289 mm	A45	20 ea/case
7100219145	100 mm x 289 mm	A65	20 ea/case
7100219067	100 mm x 289 mm	A80	20 ea/case
7100219061	100 mm x 289 mm	A100	20 ea/case
7100219060	100 mm x 289 mm	A160	20 ea/case
7100219009	100 mm x 4000 mm	A100	20 ea/case
7100218951	100 mm x 9000 mm	A100	10 ea/case
7100219002	100 mm x 9000 mm	A160	10 ea/case
7100219029	50 mm x 2500 mm	A100	30 ea/case
7000060076	50 mm x 450 mm	A100	30 ea/case
7100128687	55 mm x 3800 mm	A6	30 ea/case
7000060044	55 mm x 3800 mm	A16	30 ea/case
7000060045	55 mm x 3800 mm	A45	30 ea/case
7000060033	75 mm x 2000 mm	A30	20 ea/case
7000060897	75 mm x 2000 mm	A45	20 ea/case
7000059968	75 mm x 2000 mm	A65	20 ea/case

*Custom belt sizing is available using the configurable SKU.

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 fibre composites

3M ID	W x L	Grade	Box/Case
7100051346	Configurable*	A6	Determined by belt size
7100049039		A16	
7100051853		A30	
7100052775		A45	
7100052778		A100	

*Custom belt sizing is available using the configurable SKU.

3M™ Trizact™ Belts

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	Box/Case
7000067807	100 mm x 289 mm	A100	20 ea/case
7100253833	100 mm x 14980 mm	A160	1 ea/case
7100052831	Configurable*	A30	Determined by belt size
7100052826		A45	
7100048818		A65	
7100052827		A100	
7100052828		A160	
7100052829		A300	

*Custom belt sizing is available using the configurable SKU.

3M™ Trizact™ Cloth Belt 363FC



- Waterproof polyester YF-weight backing allows users to rinse the belt – reducing clogging of the abrasive
- Trizact™ abrasives can last up to five times longer than conventional abrasives
- Resin bond helps to resist thermal and chemical deterioration
- Improves finish consistency and part to part size

3M ID	W x L	Grade	Box/Case
7100070052	Configurable*	A45	Determined by belt size
7100070054		A65	
7100052841		A100	
7100052840		A160	
7100052839		A300	
7100052839		A300	

*Custom belt sizing is available using the configurable SKU.

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	Box/Case
7100052757	Configurable*	A20	Determined by belt size
7100047203		A60	
7100052703		A90	
7100052735		A110	

*Custom belt sizing is available using the configurable SKU.



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
DF CRS	SC CRS	SE CRS
DF MED	SC MED	SE MED
DF FIN	SC VFN	SE FIN
	SC SFN	

More Aggressive

CRS Coarse

MED Medium

FIN Fine

VFN Very Fine

SFN Super Fine

Finer Finish

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

Scotch-Brite™ Surface Conditioning Belts

Scotch-Brite™ 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	Backing	Box/Case
7100013611	Configurable*	A Very Fine	Film Backed	Determined by belt size
7100012858		A Medium	Film Backed	
7100012561		A Coarse	Film Backed	
7100012085		S Super Fine	Scrim	
7100012347		A Very Fine	Scrim	
7100012358		A Medium	Scrim	
7100013534		A Coarse	Scrim	
7100012618		S Super Fine	Low-Stretch	
7100000134		A Very Fine	Low-Stretch	
7100012150		S Very Fine	Low-Stretch	
7100171628		A Medium	Low-Stretch	
7100013507		A Coarse	Low-Stretch	
7100048459		Type T	Low-Stretch	
7000068161	13 mm x 457 mm	A Medium	Scrim	25 ea/case
7100219039	13 mm x 457 mm	A Very Fine	Scrim	25 ea/case
7100219031	13 mm x 457 mm	A Coarse	Scrim	25 ea/case
7000068169	13 mm x 520 mm	A Medium	Scrim	25 ea/case
7000045943	13 mm x 610 mm	A Medium	Scrim	20 ea/case
7000068023	13 mm x 610 mm	A Coarse	Scrim	25 ea/case
7100218958	13 mm x 610 mm	A Medium	Scrim	25 ea/case
7100219032	13 mm x 610 mm	A Very Fine	Scrim	25 ea/case
7000068038	19 mm x 457 mm	A Very Fine	Scrim	25 ea/case
7000068163	19 mm x 457 mm	A Medium	Scrim	25 ea/case
7100185803	19 mm x 520 mm	A Very Fine	Scrim	25 ea/case
7000067957	25 mm x 457 mm	A Medium	Scrim	10 ea/case
7000068035	25 mm x 610 mm	A Coarse	Scrim	10 ea/case
7100218997	25 mm x 610 mm	A Medium	Scrim	10 ea/case
7100172439	25 mm x 610 mm	S Very Fine	Low-Stretch	10 ea/case
7000068016	75 mm x 2000 mm	A Very Fine	Scrim	6 ea/case
7000068149	75 mm x 2000 mm	A Coarse	Low-Stretch	6 ea/case
7000068151	75 mm x 2000 mm	A Very Fine	Low-Stretch	6 ea/case
7100176888	75 mm x 2000 mm	A Medium	Low-Stretch	6 ea/case
7000068172	100 mm x 289 mm	A Medium	Film Backed	5 ea/case
7000068173	100 mm x 289 mm	A Very Fine	Film Backed	5 ea/case
7100219069	100 mm x 289 mm	A Coarse	Film Backed	5 ea/case
7000067964	100 mm x 289 mm	A Coarse	Scrim	5 ea/case
7000067966	100 mm x 289 mm	A Medium	Scrim	5 ea/case
7100116351	100 mm x 289 mm	A Very Fine	Scrim	5 ea/case
7000068139	150 mm x 2000 mm	A Coarse	Low-Stretch	3 ea/case
7000068141	150 mm x 2000 mm	A Very Fine	Low-Stretch	3 ea/case
7100176884	150 mm x 2000 mm	A Medium	Low-Stretch	3 ea/case

*Custom belt sizing is available using the configurable SKU.

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	Backing	Box/Case
7100013687	Configurable*	A Coarse	Low-Stretch	Determined by belt size
7100012444		A Fine	Low-Stretch	
7100013155		A Medium	Low-Stretch	
7100219048	100 mm x 289 mm	A Coarse	Low-Stretch	5 ea/case
7100219047	100 mm x 289 mm	A Fine	Low-Stretch	5 ea/case
7100219044	100 mm x 289 mm	A Medium	Low-Stretch	5 ea/case
7100219042	13 mm x 457 mm	A Fine	Low-Stretch	25 ea/case
7100218947	13 mm x 457 mm	A Coarse	Low-Stretch	25 ea/case
7100218963	13 mm x 457 mm	A Medium	Low-Stretch	25 ea/case
7100218986	13 mm x 610 mm	A Coarse	Low-Stretch	25 ea/case
7100219006	13 mm x 610 mm	A Fine	Low-Stretch	25 ea/case
7100218979	13 mm x 610 mm	A Medium	Low-Stretch	25 ea/case
7000067944	19 mm x 457 mm	A Coarse	Low-Stretch	25 ea/case
7000067943	19 mm x 457 mm	A Medium	Low-Stretch	25 ea/case
7000067942	19 mm x 457mm	A Fine	Low-Stretch	25 ea/case
7100036130	19 mm x 520 mm	A Coarse	Low-Stretch	25 ea/case
7100219027	50 mm x 2500 mm	A Medium	Low-Stretch	6 ea/case
7000067876	50 mm x 3500 mm	A Fine	Low-Stretch	3 ea/case
7000067873	6 mm x 305 mm	A Medium	Low-Stretch	25 ea/case
7000067935	6 mm x 457 mm	A Coarse	Low-Stretch	25 ea/case
7000067933	6 mm x 457 mm	A Fine	Low-Stretch	25 ea/case
7100219034	6 mm x 457 mm	A Medium	Low-Stretch	25 ea/case
7000067877	6 mm x 520 mm	A Coarse	Low-Stretch	25 ea/case
7000067914	6 mm x 520 mm	A Medium	Low-Stretch	25 ea/case
7000067941	6 mm x 610 mm	A Coarse	Low-Stretch	25 ea/case
7000067940	6 mm x 610 mm	A Fine	Low-Stretch	25 ea/case
7100219015	6 mm x 610 mm	A Medium	Low-Stretch	25 ea/case

*Custom belt sizing is available using the configurable SKU.

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	Backing	Box/Case
7000046006	13 mm x 610 mm	A Coarse	Scrim	20 ea/case
7000046043	19 mm x 457 mm	A Coarse	Scrim	20 ea/case

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.

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



28366



28367

3M ID	Model	Motor	Max RPM	Weight (kg)	Length (mm)	Height (mm)	Width (mm)	Width Inch (mm)	Airflow Rate SCFM (LPM)
7000000433	28366	0.6 HP	22,000	1,3	370	74,5	151.2	5.95 (151.2)	28 (793)
7000060267	28367	**Kit includes:** Moulded Case, File Belt Sander (PN28366) and two Attachment Arms (PNs 28368, 28370)							

Accessories: Abrasive Belt Systems

3M™ File Belt Sander Platen Pad Material

3M ID	Part	Size	For Use With	Description	Box/Case
7000045264	28377	13 mm x 180 mm x 3 mm	13 mm wide belts	Soft	10 ea/case
7000045265	28378	19 mm x 180 mm x 3 mm	16 mm or 19 mm wide belts	Soft	10 ea/case
7000045266	28379	13 mm x 180 mm x 3 mm	13 mm wide belts	Hard	10 ea/case
7000045267	28380	19 mm x 180 mm x 3 mm	16 mm or 19 mm wide belts	Hard	10 ea/case



3M™ File Belt Sander Attachment Arms

	3M ID	Part	Use With Belt Size	Description	Box/Case
	7000032217	28368	13 mm x 457 mm	**Standard Style:** Standard arm included with 3M™ File Belt Sander (PN28366); sand with contact wheel or platen	1
	7000060259	28369	13 mm x 457 mm	**Thin Style:** Thinner than standard arm; sand with contact wheel or platen	1
	7000060260	28370	3 mm x 457 mm 6 mm x 457 mm 13 mm x 457 mm	**Corners Style:** Sand corners and grooves with contact wheel; accommodates three belt widths	1
	7000060260	28371	16 mm x 457 mm 19 mm x 457 mm	**Thick Standard Style:** Thicker than standard arm; sand with contact wheel or platen; accommodates two belt widths	1
	7000060262	28372	3 mm x 457 mm 6 mm x 457 mm	**Corners Style:** Sand corners and grooves with contact wheel; accommodates two belt widths	1
	7000060263	28374	13 mm x 457 mm	**Curved Arm:** Unique curved arm used for blending flat areas; sand with contact wheel or platen	1





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



Abrasive Wheel Systems

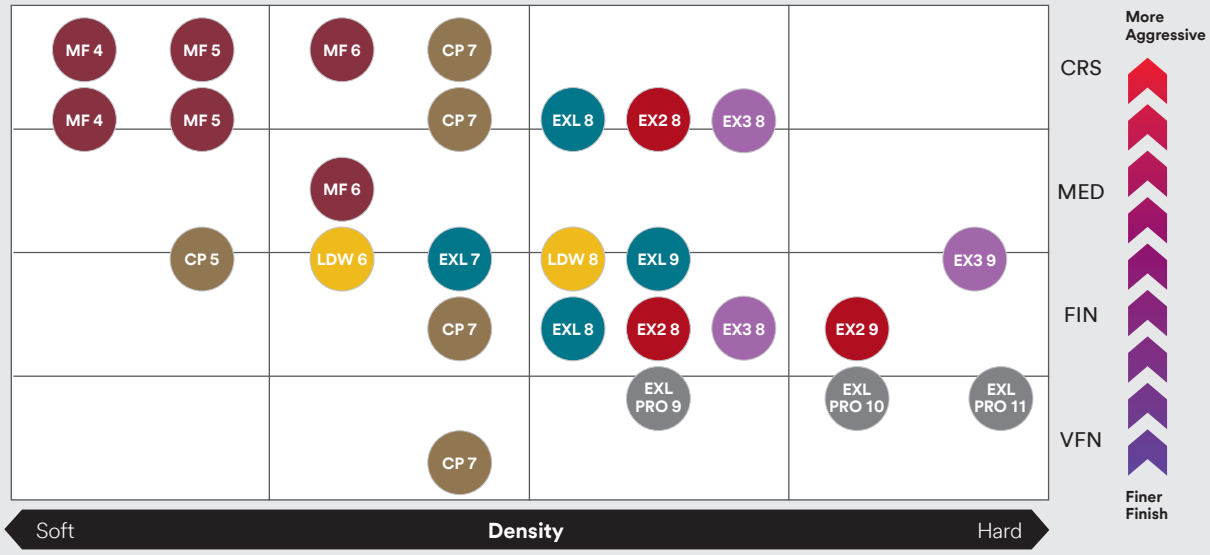
For Deburring, Weld Blending, Finishing and More!

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: Aluminium 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)		✓	✓	✓
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" (101.6 mm)	9,000
6" (152.4 mm)	6,000
8" (203.2 mm)	4,500
10" (254 mm)	3,600
12" (304.8 mm)	3,000
14" (355.6 mm)	2,550
16" (406.4 mm)	2,250
18" (457.2 mm)	2,000
20" (508 mm)	1,800
24" (609.6 mm)	1,500

Scotch-Brite™ Convolute Wheels

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	Dia x W x AH (mm)	Grade	Max RPM	Box/Case
EXL				
7000000737	150 x 25 x 25	9S Fine	6,000	3 ea/case
7000046060	150 x 12.7 x 25	8A Medium		4 ea/case
7000046069	150 x 12.7 x 25	9S Fine	6,000	4 ea/case
7000000734	150 x 25 x 25	8A Medium	6,000	3 ea/case
7000000736	150 x 25 x 25	8S Fine	6,000	3 ea/case
7000046070	150 x 50 x 25	9S Fine	6,000	2 ea/case
7000046071	200 x 12.7 x 75	9S Fine	4,500	4 ea/case
7000046061	200 x 12.7 x 75	8A Medium	4,500	4 ea/case
7000046065	200 x 12.7 x 75	8S Fine	4,500	4 ea/case
7000045967	200 x 19 x 75	9S Fine	4,500	3 ea/case
7100002691	200 x 25 x 75	8S Fine	4,500	3 ea/case
7000000738	200 x 25 x 75	9S Fine	4,500	3 ea/case
7000000735	200 x 25 x 75	8A Medium	4,500	3 ea/case
7100003576	200 x 50 x 75	8S Fine	4,500	2 ea/case
7000046062	200 x 50 x 75	8A Medium	4,500	2 ea/case
7000046064	200 x 9.5 x 75	8S Fine	4,500	4 ea/case
7000046063	304 x 25 x 127	8A Medium	3,000	1 ea/case
7000046067	304 x 25 x 127	8S Fine	3,000	1 ea/case
7000046073	304 x 25 x 127	9S Fine	3,000	1 ea/case
7000028481	304 x 50 x 127	8A Medium	3,000	1 ea/case
7000046074	304 x 50 x 127	9S Fine	3,000	1 ea/case
7000046066	304.8 x 12.7 x 125	8S Fine	3,000	2 ea/case
7100027653	355 x 50 x 200	8A Medium	2550	1 ea/case
7000046075	355 x 50 x 200	9S Fine	2550	1 ea/case
EX2				
7000046077	150 x 25 x 25	S Fine	6,000	3 ea/case
7000046076	200 x 25 x 75	S Fine	4,500	3 ea/case
7000046078	200 x 25 x 75	S Fine	4,500	3 ea/case
7000046098	254 x 25 x 127	S Fine	3,600	2 ea/case
EX3				
7000046167	200 x 12.7 x 75	S Fine	4,500	4 ea/case

Scotch-Brite™ EXL Pro Deburring Wheels



- Wheel design achieves 30% to 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 (mm)	Grade	Max RPM	Box/Case
7100133807	150 x 2.7 x 12.7	8A Coarse	7,500	10 ea/case
7010366996	200 x 12 x 75	9S Fine	4,500	4 ea/case
7100046809	200 x 25 x 75	10S Fine	4,500	3 ea/case
7100278221	200 x 4.2 x 25	8A Coarse	5,500	1300 ea/case
7100133793	200 x 3.2 x 25	8A Coarse	5,500	10 ea/case
7100133775	200 x 4.2 x 25	8A Coarse	5,500	10 ea/case

Scotch-Brite™ Metal Finishing Wheels MF-WL



- 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

3M ID	Size (mm)	Grade	Max RPM	Qty/Case
7000028438	150 x 50 x 25	4A Coarse	6,000	2 ea/case
7000045890	150 x 50 x 25	5A Medium	6,000	2 ea/case
7000045989	200 x 25 x 75	5A Coarse	4,500	3 ea/case
7100000490	200 x 25 x 75	5A Medium	4,500	3 ea/case
7000045991	200 x 50 x 75	4A Coarse	4,500	2 ea/case
7000045990	200 x 50 x 75	4A Medium	4,500	2 ea/case
7000045891	200 x 50 x 75	6A Medium	4,500	2 ea/case
7000046117	200 x 75 x 75	6A Medium	4,500	1 ea/case

†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™ Cut and Polish Wheels CP-WL



- 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

3M ID	Dia x W x AH (mm)	Grade	Max RPM	Qty/Case
7100009186	150 x 25 x 25	5A Fine	6,000	3 ea/case
7100063974	150 x 635 x 25	7A Medium	6,000	1 ea/case
7000045894	150 x 12 x 25	7A Medium	6,000	4 ea/case
7000045987	150 x 25 x 25	7A Fine	6,000	3 ea/case
7000011912	150 x 25 x 25	7A Medium	5,000	3 ea/case
7000045988	200 x 25 x 75	7A Fine	4,500	3 ea/case
7000045986	200 x 25 x 75	7A Medium	4,500	3 ea/case
7000045852	200 x 50 x 75	7A Very Fine	4,500	2 ea/case
7000045993	200 x 50 x 75	5A Fine	4,500	2 ea/case
7000045985	200 x 50 x 75	7A Medium	4,500	2 ea/case
7000045855	200 x 50 x 75	7A Fine	4,500	2 ea/case
7000045954	200 x 610 x 75	5A Fine	4,500	1 ea/case
7000045924	200 x 635 x 75	7A Coarse	4,500	1 ea/case
7000045968	200 x 635 x 75	5A Fine	4,500	1 ea/case
7000045848	305 x 50 x 125	7A Medium	3,000	1 ea/case

Scotch-Brite™ Light Deburring Wheel LD-WL



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

3M ID	Dia x W x AH (mm)	Grade	Max RPM	Box/Case
7000000731	150 x 25 x 25	8S Fine	6,000	3 ea/case
7000120904	150 x 12 x 25	6S Fine	6,000	4 ea/case
7000046045	150 x 25 x 25	6S Fine	6,000	3 ea/case
7000046050	150 x 12.7 x 25	7S Fine	6,000	4 ea/case
7000046057	150 x 12.7 x 25	8S Fine	6,000	4 ea/case
7000000730	150 x 25 x 25	7S Fine	6,000	3 ea/case
7100095035	150 x 50 x 25	7S Fine	6,000	2 ea/case
7000000732	200 x 12.7 x 75	8S Fine	4,500	4 ea/case
7000046051	200 x 12.7 x 75	7S Fine	4,500	4 ea/case
7000046046	200 x 25 x 75	6S Fine	4,500	3 ea/case
7000000733	200 x 25 x 75	8S Fine	4,500	3 ea/case
7000046052	254 x 25 x 127	7S Fine	3,600	2 ea/case
7100048541	304 x 12.7 x 127	7S Fine	3,000	2 ea/case
7000046047	304 x 25 x 127	6S Fine	3,000	1 ea/case
7000046054	304 x 25 x 127	7S Fine	3,000	1 ea/case
7000046055	304 x 50 x 127	7S Fine	3,000	1 ea/case
7000046048	304 x 50 x 127	6S Fine	3,000	1 ea/case
7000046059	304 x 50 x 127	8S Fine	3,000	1 ea/case

Convolute Wheels: Speed

Product speed has a significant effect on performance (cut, life and finish), so it is important to select the proper speed for a particular operation and workpiece.

Low speeds for:

- Generating uniform satin finishes
- Finishing aluminium alloys without lubricants
- Composites and soft materials

High speeds for:

- Finer finish
- Removing or blending surface imperfections
- Deburring
- Faster cut

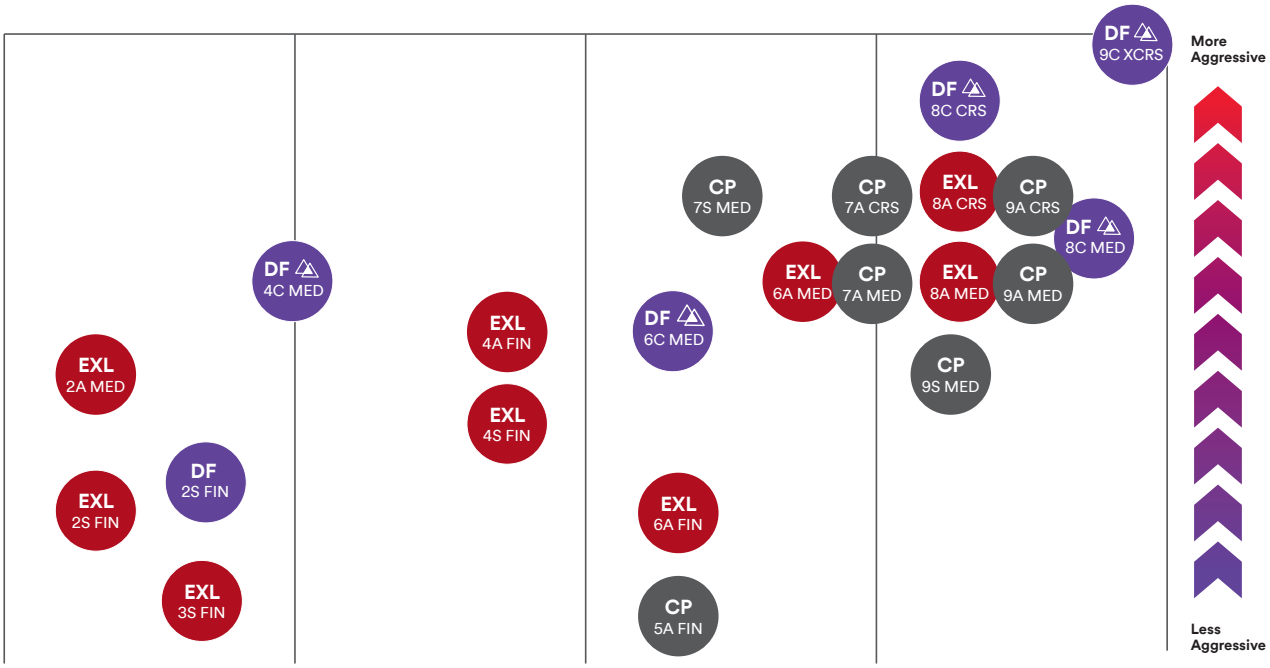
Attention: Wheels are available in other grades and sizes. If you need a specific wheel not listed, contact your 3M Sales Specialist or 3M Authorized Distributor.

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.



A: Aluminium Oxide C: Ceramic S: Silicon Carbide

Deburr and Finish PRO Unitized (DF) | EXL Deburring Unitized Wheel (EXL) | Cut and Polish Unitized Wheel (CP)

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

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™ 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	Dimension (mm)	Grade	Max RPM	Box/Case
7100083512	25 x 25 x 4.75	6C Medium+	35,100	50 ea/case
7100110913	25 x 25 x 4.75	8C Coarse+	35,100	50 ea/case
7100290254	25 x 25 x 4.75	9C Extra Coarse +	35,100	50 ea/case
7100053415	50 x 13 x 6	C Medium+	22,100	30 ea/case
7100053413	50 x 3 x 6	6C Medium+	22,100	60 ea/case
7100053414	50 x 6 x 6	C Medium+	22,100	60 ea/case
7100290249	50 x 6 x 6	9C Extra Coarse +	22,100	60 ea/case
7010310029	75 x 13 x 6	4C Medium+	15,100	20 ea/case
7100256411	75 x 13 x 6	6C Medium+	15,100	20 ea/case
7100110912	75 x 13 x 9	8C Coarse+	15,100	20 ea/case
7100053421	75 x 19 x 6	6C Medium+	15,100	20 ea/case
7010329496	75 x 19 x 6	8C Coarse+	15,100	20 ea/case
7100105326	75 x 3 x 6	8C Coarse+	18,100	40 ea/case
7100053418	75 x 3 x 6	6C Medium+	18,100	40 ea/case
7100256513	75 x 6 x 6	2S Fine	12,100	40 ea/case
7010365693	75 x 6 x 6	4C Medium+	18,100	40 ea/case
7100256410	75 x 6 x 6	6C Medium+	18,100	40 ea/case
7100290244	75 x 13 x 6	9C Extra Coarse +	18,100	20 ea/case
7100290246	75 x 6 x 6	9C Extra Coarse +	18,100	40 ea/case
7100290101	125 x 6 x 25	9C Extra Coarse +	9,000	10 ea/case
7100256521	150 x 13 x 13	6C Medium+	7,500	4 ea/case
7100256514	150 x 13 x 25	2S Fine	5,000	4 ea/case
7100256516	150 x 13 x 25	6C Medium+	7,500	4 ea/case
7100256507	150 x 13 x 25	8C Coarse+	7,500	4 ea/case
7100256522	150 x 25 x 25	6C Medium+	7,500	2 ea/case
7100256520	150 x 25 x 25	8C Coarse+	7,500	2 ea/case
7100256515	150 x 25 x 25	2S Fine	7,500	2 ea/case
7010310028	150 x 3 x 13	6C Medium+	7,500	16 ea/case
7100088615	150 x 3 x 25	6C Medium+	7,500	16 ea/case
7100256509	150 x 6 x 25	6C Medium+	7,500	8 ea/case
7100290253	150 x 13 x 13	9C Extra Coarse +	8,000	4 ea/case
7100290252	150 x 13 x 25	9C Extra Coarse +	8,000	4 ea/case
7100290255	150 x 3 x 13	9C Extra Coarse +	8,000	16 ea/case
7100290763	150 x 3 x 25	9C Extra Coarse +	8,000	16 ea/case
7100290251	150 x 6 x 22	9C Extra Coarse +	8,000	8 ea/case
7100290100	150 x 6 x 25	9C Extra Coarse +	8,000	8 ea/case
7100108778	203 x 13 x 13	8C Coarse +	5,500	8 ea/case
7100290248	203 x 6 x 6	9C Extra Coarse +	5,500	8 ea/case

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™ EXL Unitized Deburring Wheels



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

3M ID	Dimension (mm)	Grade	Max RPM	Box/Case
7100001140	25 x 25 x 4.75	6A Medium	35,100	50 ea/case
7000045926	25 x 25 x 4.75	8A Coarse	35,100	50 ea/case
7000148249	25 x 25 x 4.75	8A Medium	35,100	50 ea/case
7000021281	25 x 25 x 4.75	A Medium	25,000	50 ea/case
7000000722	25 x 6 x 3	2S Fine	30,100	100 ea/case
7000000690	25 x 25 x 4.84	2S Fine	30,100	50 ea/case
7000045948	38 x 3 x 4.8	8A Coarse	30,100	80 ea/case
7000000721	50 x 13 x 6	2S Fine	16,100	30 ea/case
7000120740	50 x 6 x 6	2A Medium	16,000	60 ea/case
7000000696	50 x 6 x 6	2S Fine	16,100	60 ea/case
7000000693	50 x 6 x 6	8A Coarse	22,100	60 ea/case
7000045947	50 x 3 x 4.75	8A Coarse	22,100	60 ea/case
7000046025	75 x 18 x 6	2S Fine	10,000	10 ea/case
7000028453	75 x 6 x 9	4A Fine	18,100	40 ea/case
7000028450	75 x 6 x 6	8A Coarse	18,100	40 ea/case
7000045929	75 x 6 x 6	8A Medium	18,100	40 ea/case
7100256412	75 x 13 x 6	2A Medium	10,000	20 ea/case
7000045935	75 x 6 x 6	6A Medium	18,100	40 ea/case
7000000703	75 x 6 x 9	6A Medium	18,100	40 ea/case
7000120681	75 x 6 x 9	8A Coarse	18,100	40 ea/case
7100256317	75 x 6 x 6	2A Medium	12,100	40 ea/case
7000000700	75 x 6 x 75	8A Medium	18,100	40 ea/case
7100256328	150 x 6 x 13	2S Fine	5,000	8 ea/case
7000046104	150 x 6 x 13	3S Fine	5,000	8 ea/case
7000000708	203 x 13 x 13	2S Fine	4,000	4 ea/case
7100030739	203 x 6 x 13	2S Fine	4,000	8 ea/case

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	Dimension (mm)	Grade	Max RPM	Box/Case
7000046305	25 x 25 x 4.75	5A Fine	35,100	50 ea/case
7000045846	25 x 25 x 4.75	7A Medium	35,100	50 ea/case
7000028477	50 x 13 x 6	7A Medium	22,100	30 ea/case
7000028427	50 x 3 x 6	7A Medium	22,100	60 ea/case
7000046306	50 x 6 x 6	5A Fine	22,100	60 ea/case
7000045847	75 x 6 x 6	7A Medium	18,100	40 ea/case
7100001111	75 x 6 x 6	5A Fine	18,100	40 ea/case
7000046304	75 x 13 x 6	5A Fine	15,100	20 ea/case
7000045875	75 x 3.17 x 6	7A Medium	18,100	40 ea/case
7000000650	101 x 6 x 6	5A Fine	12,100	20 ea/case

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™ 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 aluminium oxide or high performing 3M ceramic aluminium oxide blend abrasive grain.

3M™ Shaft Mounted Flap Wheel 339



- Aluminium oxide cloth abrasive
- The flaps conform to the shape of the workpiece, providing a consistent finish even on irregular surface
- Excellent cut and polish capabilities

3M ID	Diameter x Width x Shaft (mm)	Grade	Box/Case
7000074897	30 x 10 x 6	P40	40 ea/case
7000074898	30 x 10 x 6	P60	40 ea/case
7000074899	30 x 10 x 6	P80	40 ea/case
7000074900	30 x 10 x 6	P120	40 ea/case
7000074901	30 x 10 x 6	P150	40 ea/case
7000074902	30 x 10 x 6	P180	40 ea/case
7000074903	30 x 10 x 6	P240	40 ea/case
7000074904	30 x 15 x 6	P40	40 ea/case
7000074905	30 x 15 x 6	P60	40 ea/case
7000033210	30 x 15 x 6	P80	40 ea/case
7000074906	30 x 15 x 6	P120	40 ea/case
7000074907	40 x 20 x 6	P40	40 ea/case
7000074908	40 x 20 x 6	P60	40 ea/case
7000033211	40 x 20 x 6	P80	40 ea/case
7000074909	40 x 20 x 6	P120	40 ea/case
7000074910	40 x 20 x 6	P150	40 ea/case
7000074914	50 x 10 x 6	P60	40 ea/case
7000074919	50 x 20 x 6	P120	40 ea/case
7000074918	50 x 20 x 6	P40	40 ea/case
7000033212	50 x 20 x 6	P60	40 ea/case
7000033213	50 x 20 x 6	P80	40 ea/case
7000074920	60 x 15 x 6	P40	10 ea/case
7000074921	60 x 15 x 6	P60	10 ea/case
7000074922	60 x 15 x 6	P80	10 ea/case
7000074926	60 x 30 x 6	P120	10 ea/case
7000074927	60 x 30 x 6	P150	10 ea/case
7000074928	60 x 30 x 6	P180	10 ea/case
7000074929	60 x 30 x 6	P240	10 ea/case
7000074930	60 x 30 x 6	P320	10 ea/case
7000074924	60 x 30 x 6	P40	10 ea/case
7000074925	60 x 30 x 6	P60	10 ea/case
7000033214	60 x 30 x 6	P80	10 ea/case
7000074933	80 x 30 x 6	P120	10 ea/case
7000074934	80 x 30 x 6	P240	10 ea/case
7000074932	80 x 30 x 6	P40	10 ea/case
7000074931	80 x 30 x 6	P60	10 ea/case
7000074939	80 x 50 x 6	P120	10 ea/case
7000074941	80 x 50 x 6	P240	10 ea/case
7000074936	80 x 50 x 6	P40	10 ea/case
7000074937	80 x 50 x 6	P60	10 ea/case
7000074938	80 x 50 x 6	P80	10 ea/case

Additional grades available.



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 2nd Generation 0.5 HP Die Grinders

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

Features of 2nd Generation 1 HP Die Grinders

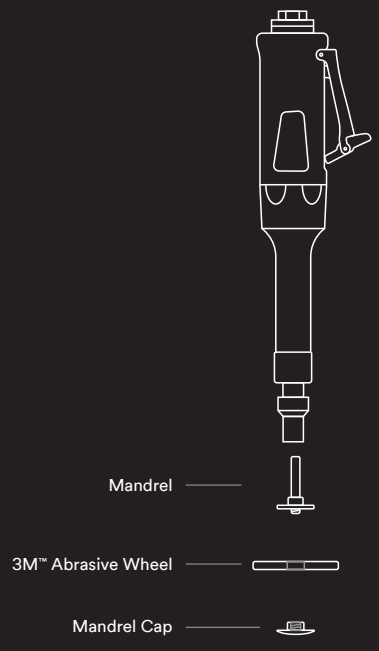
Internal Feature:
Kevlar reinforced vanes increase tool life and help to provide consistent power.



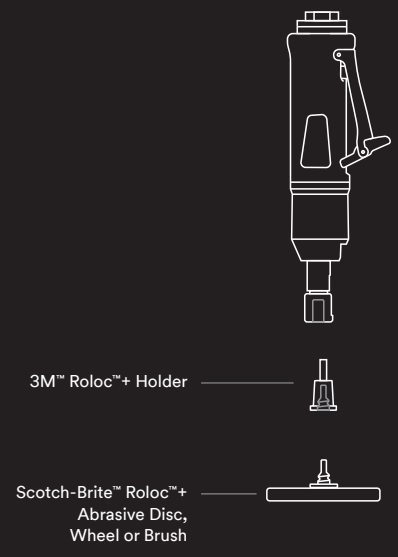
1. Fully machined steel motor housing provides strength and durability
2. Wrench flats and overhose interface allow easier maintenance and compatibility with accessories
3. Spindle shaft and housing o-ring seal minimize external containments from entering the tool
4. 3M™ Gripping Material improves grip under greasy, wet or dirty operating conditions

System Configurations:

Collet Attachment System



3M™ Roloc™+ System





3M™ Power Tools: Abrasive Wheel Systems


28346


28345


28347

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 (kg)	Length (mm)	Height (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size (mm)
7100083279	28345	18,000	87 (99)	0.5	175	70	1/4" NPT	26 (736)	6
7100083510	28346	18,000*	87 (99)	0.7	270	70	1/4" NPT	26 (736)	6
7100083999	28347	4,000	87 (99)	0.7	200	70	1/4" NPT	26 (736)	6

*With extension.


25126


25127


25128


25129

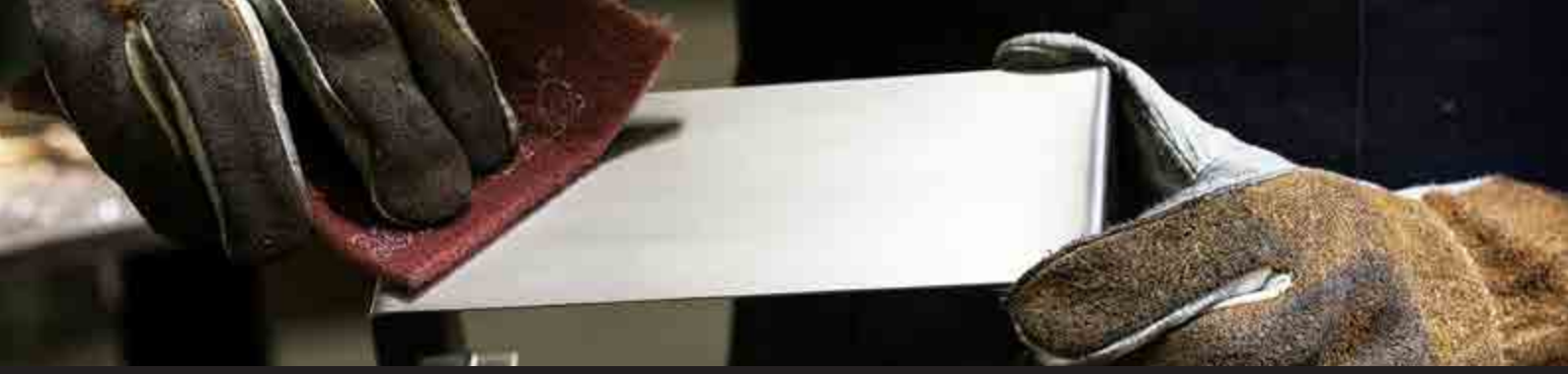
3M™ Die Grinders: 1 HP (744 W)

- 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 (kg)	Length (mm)	Height (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size (mm)
7100210216	25126	20,000	86 (98)	0.9	197	73	3/8" NPT	37 (1,048)	6
7100210215	25127	18,000	89 (101)	0.9	197	73	3/8" NPT	37 (1,048)	6
7100142457	25128	12,000	N/A	1.2	254	81	3/8" NPT	37 (1,048)	6
7100142458	25129	8,000	N/A	1.2	254	81	3/8" NPT	37 (1,048)	6

Accessories: Abrasive Wheel Systems

3M ID		Product	For Use With	Size/Description	Max RPM	Box/Case
	7100101327	Mandrel 990 M	Scotch-Brite™ Unitized Wheels with 3/16" (4.7 mm) Centre Hole	6 mm	25	5 ea/case
	7000046309	Mandrel 936	Scotch-Brite™ Unitized Wheels with 3/8" (9.5 mm) Centre Hole	50 mm x 6 mm x 19 mm	22	5 ea/case
	7000045698	Mandrel 933M	Scotch-Brite™ Unitized Wheels	50,8 mm x 6 mm x 152 mm	n/a	5 ea/case
	7000060325	3M™ Euro Flange (FL-AC)	For mounting wheels with a 25 mm core, The flange comes with a 12.7 mm centre hole that must be drilled to the correct size.	25,4 mm x 6 mm x 12,7 mm	6,000	1 ea/case
	7000060324	3M™ Euro Flange (FL-AC)	For mounting wheels with a 75 mm core. The flange comes with a 12.7 mm centre hole that must be drilled to the correct size.	76,2 mm x 6 mm x 12,7 mm	4,500	1 ea/case
	7100325797	3M™ Diamond Dressing Hammer 6647J, M300	Dressing Scotch-Brite™ Wheels	19 mm x 69 mm	n/a	1 ea/case
	7000028423	3M™ Wheel Adapter Kit 45038	3M™ Inline Sanders; Wheels with 5/8"–1" centre holes	5/8–11 EXT x 5/8–11 INT	See MOS of wheel	1



Hand Finishing

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	7447+ Trusted General Purpose Hand Pad	Durable Flex Long Lasting — Specially Coated to Resist Loading	7447 Pro Most Durable and Aggressive
Flexible, durable grey hand pad. Long lasting, tear and load resistant for fast, consistent action without compromising finish.	Most popular general purpose hand pad. Dark maroon pad cleans, blends, finishes and deburrs.	Flexible, durable maroon hand pad. Long lasting, tear and load resistant for fast, consistent action without compromising finish.	Long lasting maroon hand pad for uniform scratch. Specialty coated to resist loading.

Full Portfolio

Less Aggressive / Finer Finish → More Aggressive / Coarser Finish

7448+	Durable Flex	7448 Pro	7447+	Durable Flex	7447 Pro	8447+	7446	7440
S ULF	S ULF	S ULF	A VFN	A VFN	A VFN	A VFN	S MED	A MED

S = Silicon Carbide
ULF = Ultra Fine

A = Aluminium Oxide
VFN = Very Fine

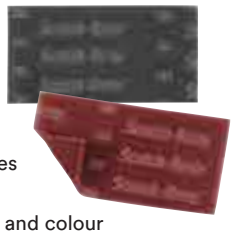
SFN = Super Fine
MED = Medium

Tech Tip

Aluminium 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™ Hand Pads

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 colour 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	Box/Case
7100209414	114 mm x 228 mm	A Very Fine	25/100
7100209618	114 mm x 228 mm	S Ultra Fine	25/100
7100182487	200 mm x 100 mm	A Very Fine	4 ea/case
7100182488	200 mm x 100 mm	S Ultra Fine	4 ea/case

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 colour coat; general scuffing, cleaning and hand blending
- Centre-perforated to allow convenient tearing to half-size

3M ID	W x L	Grade	Box/Case
7100288566	158 mm x 224 mm	S Ultra Fine	20/60

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 colour coat; general scuffing, cleaning and hand blending
- Centre perforated for convenience

3M ID	W x L	Grade	Box/Case
7100288524	158 mm x 224 mm	A Very Fine	20/60

Scotch-Brite™ Multi-Flex Sheet Roll MX-SR



- Multi-flex sheets are thin, tough, highly conformable, sharp cutting and nonwoven abrasive
- Suitable for cleaning and finishing surfaces by hand.

3M ID	W x L	Grade	Box/Case
7100182456	100 mm x 200 mm	A Very Fine	4 ea/case

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	Box/Case
7100182555	158 mm x 224 mm	S Ultra Fine	20/60

Scotch-Brite™ Production Hand Pad 8447



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

3M ID	W x L	Grade	Box/Case
7000120942	152 mm x 228 mm	A Very Fine	20/60

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	Box/Case
7100082599	152 mm x 228 mm	S Medium	20/40

Scotch-Brite™ Hand Pads

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
- Superior alternative to steel wool, wire brushes, sandpaper, and other nonwoven products for cleaning or finishing tasks

3M ID	W x L	Grade	Box/Case
7100182554	158 mm x 224 mm	A Very Fine	20/60

Scotch-Brite™ Heavy Duty Hand Pads 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	Box/Case
7100080459	152 mm x 228 mm	A Coarse	20/2
7100182601	158 mm x 224 mm	A Medium	20/60

Scotch-Brite™ Hand Pad Pre-Cut on a Roll CF-SR



- Combines flexibility with effective cutting action and precise hand control to accomplish tough cleaning jobs or produce fine finishing results
- Very fine grade aluminium oxide abrasives cut fast and fine, leaving a smooth, finished surface.

3M ID	W x L	Grade	Box/Case
7100182225	150 mm x 115 mm	S Ultra Fine	4 ea/case

Scotch-Brite™ Tack Pad



- Tacky pad thoroughly removes surface dust particles to provide a perfectly clean surface prior to paint or primer
- Three-dimensional design draws dust into the pad for total dust collection without leaving drag marks behind
- Conformable pad gets into grooves and contours of the workpiece for complete coverage
- Very fine grade aluminium oxide abrasives cut fast and fine, leaving a smooth, finished surface.

3M ID	W x L	Box/Case
7100193601	175 mm x 235 mm	10/60

Make it a winning combination!

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

Winning Combinations



Scotch-Brite™ Rolls

Scotch-Brite™ 7447 PRO Rolls



- General purpose Scotch-brite rolls that combines flexible fibres with finely graded aluminium oxide particles for a sharp consistent cut
- Long lasting nylon nonwoven material resists tearing, loading and rust
- Can be used wet or dry and rinsed for repeated use

3M ID	W x L	Grade	Box/Case
7100288556	100 mm x 10 m	A Very Fine	4 rolls/case
7100288455	125 mm x 10 m	A Very Fine	3 rolls/case

Scotch-Brite™ Durable Flex Roll DF-RL



- Aggressive and long lasting nonwoven roll
- Used for deburring, finishing, blending, and cleaning
- Reinforced low-stretch backing offers good flexibility and great edge durability

3M ID	W x L	Grade	Box/Case
7100182483	100 mm x 10 m	A Very Fine	4 roll/case
7100182484	100 mm x 10 m	S Ultra Fine	4 roll/case
7100182485	125 mm x 10 m	A Very Fine	4 roll/case
7100182482	125 mm x 10 m	S Ultra Fine	4 roll/case
7100182486	150 mm x 10 m	A Very Fine	4 roll/case

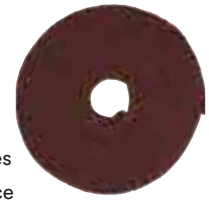
Scotch-Brite™ 7448 PRO Rolls



- Unique design of ultra-fine mineral and coated, flexible fibres is perfect for prepping surfaces for paint and primer, general scuffing and hand blending.
- Scotch-Brite™ PRO cuts faster and gives a more consistent finish than conventional nonwoven abrasive products

3M ID	W x L	Grade	Box/Case
7100288456	100 mm x 10 m	S Ultra Fine	4 rolls/case
7100288457	125 mm x 10 m	S Ultra Fine	3 rolls/case

Scotch-Brite™ Wear Resistant Roll WR-RL



- Designed for machine and manual applications. For cleaning, finishing and light deburring
- Versatile for use on a variety of substrates
- Doesn't alter the geometry of a workpiece

3M ID	W x L	Grade	Box/Case
7100182515	115 mm x 10 m	A Medium	4 roll/case
7100182517	300 mm x 10 m	A Fine	3 roll/case

Scotch-Brite™ Cut and Polish Roll CP-RL



- 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	Box/Case
7100182489	120 mm x 10 m	A Medium	4 roll/case

Scotch-Brite™ Clean and Finish Roll CF-RL



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

3M ID	W x L	Grade	Box/Case
7100182231	100 mm x 10 m	A Very Fine	4 roll/case
7100182499	100 mm x 10 m	S Ultra Fine	4 roll/case
7000046195	101 mm x 9 m	A Very Fine	3 roll/case
7100182496	120 mm x 10 m	A Very Fine	7 roll/case
7100182457	150 mm x 115 mm	A Very Fine	4 roll/case
7100182478	200 mm x 10 m	A Very Fine	4 roll/case
7100182479	250 mm x 10 m	A Very Fine	3 roll/case

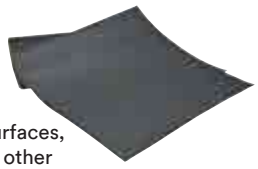
3M™ Abrasive Sheets

3M™ Paper Sheet 426U

- General purpose abrasive sanding sheet constructed on an A-weight paper backing and features an anti-load stearate coating and open coat construction
- Silicon carbide is ideal for general purpose sanding on wood, metal, plastic, drywall, fibreglass, glass, and ceramic

3M ID	W x L	Grade	Box/Case
7100325200	228 mm x 280 mm	P80	25/250
7100320483	228 mm x 280 mm	P120	50/1000
7010569593	228 mm x 280 mm	P220	100/1000
7000119264	228 mm x 280 mm	P280	100/1000
7000119261	228 mm x 280 mm	P220	100/1000
7100325206	228 mm x 280 mm	P240	50/250
7000119265	228 mm x 280 mm	P320	100/1000
7100325195	228 mm x 280 mm	P400	50/250

3M™ Wetordry™ Paper Sheet 734



- Sharp, abrasive silicon carbide material on a flexible and conformable water resistant paper backing
- For use on laminated and coated surfaces, fillers, metals, plastics, acrylics and other solid surface materials

3M ID	W x L	Grade	Box/Case
7100333532	228 mm x 280 mm	P80	50/500
7100333856	228 mm x 280 mm	P120	50/500
7100333832	228 mm x 280 mm	P180	50/500
7100333586	228 mm x 280 mm	P240	50/500
7100187948	228 mm x 280 mm	P320	50/500
7100187949	228 mm x 280 mm	P400	50/500
7100187950	228 mm x 280 mm	P600	50/500
7100187951	228 mm x 280 mm	P800	50/500
7100187952	228 mm x 280 mm	P1000	50/500
7100188073	228 mm x 280 mm	P1200	50/500

3M™ Paper Sheet 236U



- Premium aluminium oxide mineral is durable, and cuts fast on many materials
- Open coat construction and load-resistant coating prevent premature loading of the disc surface to maximize cut and extend abrasive life

3M ID	W x L	Grade	Box/Case
7100325196	228 mm x 280 mm	P80	25/250
7100325202	228 mm x 280 mm	P100	50/250
7100325207	228 mm x 280 mm	P120	50/250
7100325197	228 mm x 280 mm	P150	50/250
7100325198	228 mm x 280 mm	P180	50/250
7100325203	228 mm x 280 mm	P220	50/250
7100325205	228 mm x 280 mm	P240	50/250
7100325199	228 mm x 280 mm	P320	50/250
7100325204	228 mm x 280 mm	P400	50/250

Accessories: Hand Finishing

Product	3M ID	For Use With	Size	Max RPM	Box/Case
Mini Mandrel 935 	7100009221	Scotch-Brite™ Strips to clean and polish inner diameters and other tight areas	73 mm x 6.35 mm	14,000	5 ea/case





Specialty Abrasives

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™ Cubitron™ 2 Cloth Bands 947D



- Excellent belt for stroke sanding metals including stainless steel and nickel alloys
- Grinding aid helps reduce heat and grinding temperatures
- Delivers exceptional finishes on a variety of metal substrates

3M ID	Width x Length	Grade	Box/Case
7100069485	13 mm x 25 mm	P40	50 ea/case
7100069487	13 mm x 25 mm	P60	50 ea/case
7100069604	13 mm x 25 mm	P80	50 ea/case
7100069668	13 mm x 25 mm	P120	50 ea/case
7100069711	19 mm x 25 mm	P80	50 ea/case
7100069669	19 mm x 25 mm	P120	50 ea/case
7100069605	19 mm x 25 mm	P40	50 ea/case
7100069603	19 mm x 25 mm	P60	50 ea/case
7100069952	25 mm x 25 mm	P80	50 ea/case
7100069939	25 mm x 25 mm	P40	50 ea/case
7100069951	25 mm x 25 mm	P60	50 ea/case
7100069953	30 mm x 30 mm	P40	50 ea/case
7100069954	30 mm x 30 mm	P60	50 ea/case
7100069875	30 mm x 30 mm	P80	50 ea/case
7100069956	30 mm x 30 mm	P120	50 ea/case
7100069852	38 mm x 25 mm	P40	50 ea/case
7100069853	38 mm x 25 mm	P60	50 ea/case
7100069938	38 mm x 25 mm	P80	50 ea/case
7100069958	38 mm x 25 mm	P120	50 ea/case
7100069712	45 mm x 30 mm	P40	50 ea/case
7100069606	45 mm x 30 mm	P60	50 ea/case
7100069659	45 mm x 30 mm	P80	50 ea/case
7100069488	45 mm x 30 mm	P120	50 ea/case
7100069607	51 mm x 25 mm	P40	50 ea/case
7100069608	51 mm x 25 mm	P60	50 ea/case
7100069713	51 mm x 25 mm	P80	50 ea/case
7100069690	51 mm x 25 mm	P120	50 ea/case



Scotch-Brite™ Surface Conditioning Moulded Abrasives

Scotch-Brite™ Bristle Brushes and Discs

Safer operation and conformability in contoured areas

Long life with consistent performance

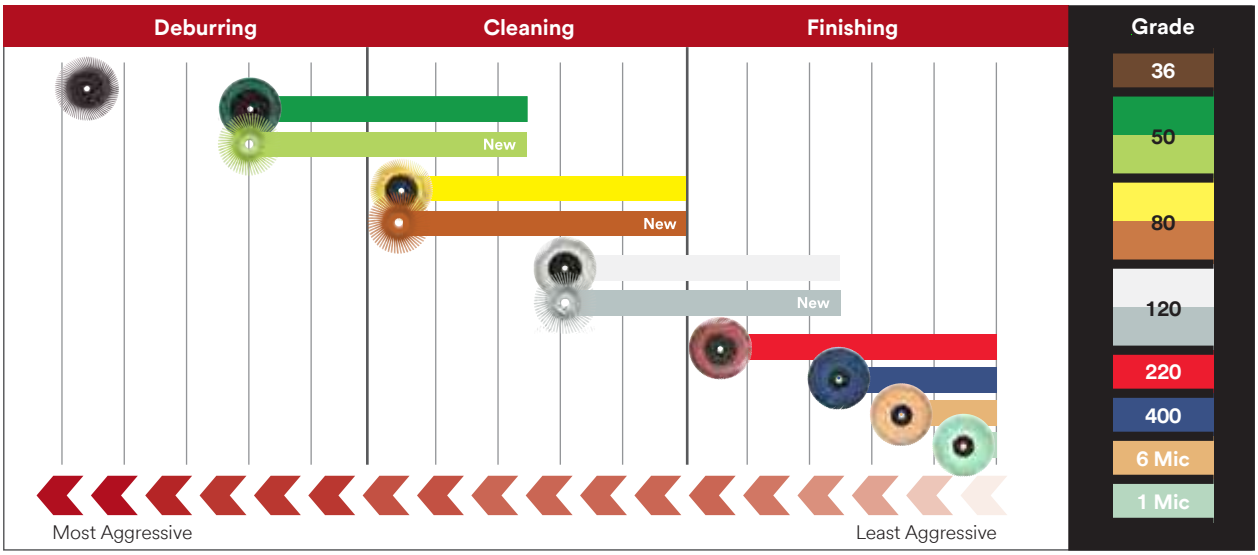
Scotch-Brite™ Bristle Discs and Brushes last longer than most abrasives and provide the same finish and cut throughout their life. For productivity in automated procedures, there are fewer changeovers.

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 vapours.

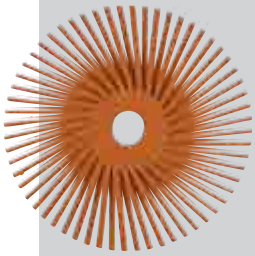


More effective than wire brushes.

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.



Roloc™





Scotch-Brite™ Radial Bristle Brushes

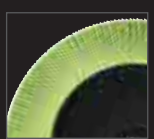
Ideal for robotic deburring to quickly remove burrs and sharp edges in end-of-arm tooling operations.

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

Maintains abrasive property throughout the life of the brush.

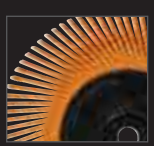


Build Your System



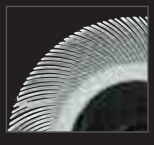
Straight — Type S (TS)

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



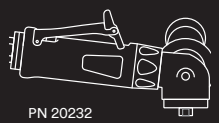
Scotch-Brite™ Radial Bristle Brush
UPC 048011-27605-2



Mandrel Cap



3M™ Roloc™ System Example



PN 20232

3M™ Sander Adapter
PN 06582



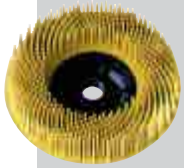
3M™ Roloc™ Disc Pad
PN 45091



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



Specialty Abrasives



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.

Roloc™

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





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

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

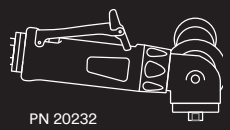
Polyvinyl Chloride (PVC) is durable and stands up to repeated friction for effective removal of unwanted decals.

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



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™ Radial Bristle Brushes

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



3M ID	Dia x W x L (mm)	Grade	Colour	Max RPM	Box/ Case	Accessory
Type S						
7100138332	200 x 25 x 32	50	Green	6,000	2 ea/case	With adapter
7100138333	200 x 25 x 32	80	Yellow	6,000	2 ea/case	With adapter
7100138334	200 x 25 x 32	120	White	6,000	2 ea/case	With adapter
Type A						
7100138290	150 x 13 x 25	36	Dark Brown	6,000	5 ea/case	With adapter
7100138347	150 x 13 x 25	50	Green	6,000	5 ea/case	With adapter
7100138291	150 x 13 x 25	80	Yellow	6,000	5 ea/case	With adapter
Type C						
7100138300	150 x 11.11 x 25	80	Yellow	6,000	5 ea/case	With adapter
7100138298	150 x 11.11 x 25	120	White	6,000	5 ea/case	With adapter
7000021284	150 x 11.11 x 25	400	Blue	6,000	5 ea/case	With adapter
7000046180	150 x 11.11 x 25	6 Micron	Peach	6,000	5 ea/case	With adapter
7100138299	150 x 13 x 25	220	Red	6,000	5 ea/case	With adapter
7000046181	150 x 22 x 25	1 Micron	Light Green	6,000	5 ea/case	With adapter
7100138337	195 x 25 x 32	80	Yellow	6,000	5 ea/case	With adapter
7100138338	195 x 25 x 32	120	White	6,000	5 ea/case	With adapter
7100138335	195 x 25 x 32	220	Red	6,000	5 ea/case	With adapter
7100138336	195 x 25 x 32	400	Blue	6,000	5 ea/case	With adapter

Other dimensions available on request

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	Diameter (mm)	Grade	Max RPM	Box/Case
7000000740	25	P50	30,000	20/80
7100138319	25	P80	30,000	20/80
7000000741	25	P120	30,000	20/80
7000000775	50	P36	25,000	4/24
7100138285	50	P50	25,000	10/40
7100138284	50	P80	25,000	10/40
7100138286	50	P120	25,000	10/40
7100138305	75	P50	15,000	10/40
7100138307	75	P80	15,000	10/40
7100138306	75	P120	15,000	10/40

Scotch-Brite™ Precision Radial Bristle Brush

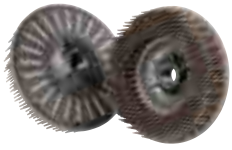
- Precision-Shaped Grain for faster cut rate
- Flexible and conformable bristles for consistency
- No wire filaments to help enhance user safety
- Use for manual or robotic purposes



3M ID	Dimension (mm)	Grade	Colour	Max RPM	Box/Case	Accessory
Type S						
7100374925	200	120+	Grey	6,000	70 ea/case	No Adapter
7100374912	200	50+	Neon-Green	6,000	70 ea/case	No Adapter
7100374923	200	80+	Orange	6,000	70 ea/case	No Adapter
7100374910	200 x 25 x 32	120+	Grey	6,000	2 ea/case	With Flange
7100374712	200 x 25 x 32	50+	Neon-Green	6,000	2 ea/case	With Flange
7100374837	200 x 25 x 32	80+	Orange	6,000	2 ea/case	With Flange
Type A						
7100374839	75 x 10	120+	Grey	6,000	40 ea/case	-
7100374835	75 x 10	50+	Neon-Green	6,000	40 ea/case	-
7100374841	75 x 10	80+	Orange	6,000	40 ea/case	-
7100374834	150	120+	Grey	6,000	80 ea/case	No Adapter
7100374838	150	50+	Neon-Green	6,000	80 ea/case	No Adapter
7100374842	150	80+	Orange	6,000	80 ea/case	No Adapter
7100374845	150 x 13 x 25	120+	Grey	6,000	5 ea/case	With adapter
7100374836	150 x 13 x 25	50+	Neon-Green	6,000	5 ea/case	With adapter
7100374843	150 x 13 x 25	80+	Orange	6,000	5 ea/case	With adapter
Type C						
7100374911	50 x 10	80+	Orange	20,000	80 ea/case	-
7100375404	75 x 10	120+	Grey	20,000	80 ea/case	-
7100375403	75 x 10	80+	Orange	20,000	80 ea/case	-
7100374833	150	120+	Grey	6,000	80 ea/case	No Adapter
7100374846	150	80+	Orange	6,000	80 ea/case	No Adapter
7100374844	150 x 11 x 25	120+	Grey	6,000	5 ea/case	With adapter
7100374840	150 x 11 x 25	80+	Orange	6,000	5 ea/case	With adapter
7100374924	195	120+	Grey	6,000	70 ea/case	No Adapter
7100374926	195	80+	Orange	6,000	70 ea/case	No Adapter
7100374853	195 x 25 x 32	120+	Grey	6,000	2 ea/case	With Flange
7100374909	195 x 25 x 32	80+	Orange	6,000	2 ea/case	With Flange

Scotch-Brite™ 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	Dia x AH (mm)	Grade	Max RPM	Box/Case
7100138287	115 x M14	P50	12,000	5/10
7100138288	115 x M14	P80	12,000	5/10
7100138289	115 x M14	P120	12,000	5/10

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™ Shaft Mounted Flap Brush PF-ZS



- Flaps of nonwoven material mounted on a spindle
- Give a fine uniform finish to a variety of metal work pieces, without leaving chatter marks.
- Suitable for light deburring

3M ID	Dia x W x Shaft (mm)	Grade	Max RPM	Box/Case
7100093973	100 x 45 x 6	A Medium	6,000	10 ea/case
7100093971	75 x 45 x 6	A Medium	8,500	10 ea/case

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 (mm)	Grade	Max RPM	Box/Case
7000077970	75 x 45 x 6	A Coarse	8,500	10 ea/case
7000077967	75 x 45 x 6	S Fine	8,500	10 ea/case

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 (mm)	Grade	Max RPM	Box/Case
CFFB-S				
7000077965	75 x 45 x 6	P80	8,000	10 ea/case
7100093994	75 x 45 x 6	P120	8,000	10 ea/case
7000077964	75 x 45 x 6	P180	8,000	10 ea/case

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" (6.35 mm) shaft (CPD5-S) or 3M™ Roloc™+ attachment system (CPD5-R)

3M ID	Dia x W x Shaft (mm)	Grade	Max RPM	Box/Case
CPD5-S				
7000045941	75 x 31.75 x 6	A MED	10,000	10 ea/case
CPD5-R				
7000120704	75 x 31.75	A MED	10,000	10 ea/case

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



- Quickly removes rust, paint, mill scale and coatings from metal
- High-strength fibre 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 Width x Shaft (mm)	Grade	Max RPM	Box/Case
Clean and Strip Pro				
7100192707	75 x 13 x 6	S Extra Coarse	8,000	10 ea/case
7100192709	100 x 13 x 6	S Extra Coarse	8,000	10 ea/case
7100192710	150 x 13 x 8	S Extra Coarse	6,000	6 ea/case
Clean and Strip Pro, 2 discs on a shaft				
7100192708	75 x 25 x 6	S Extra Coarse	8,000	10 ea/case
7100192711	100 x 25 x 6	S Extra Coarse	8,000	10 ea/case

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



- Quickly removes heavy rust, thick paint, corrosion and cleans welds
- Aluminium 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 fibre resists chunking and performs well on edges

3M ID	Dia x Width x Shaft (mm)	Grade	Max RPM	Box/Case
7100192735	75 x 13 x 6	A Extra Coarse	8,000	10 ea/case
7100192736	75 x 25 x 6	S Extra Coarse	8,000	10 ea/case
7100192737	100 x 13 x 6	A Extra Coarse	8,000	10 ea/case
7100192739	100 x 25 x 6	S Extra Coarse	8,000	10 ea/case

3M™ Stripe Off Wheel



- Designed for high-speed removal of vinyl, decals, tape, graphics and double sided moulding striping and trim.
- Engineered to remove unwanted decals and stripes without damaging the substrate
- Solid moulded wheel is durable and has a long service life

3M ID	Dimension (mm)	Box/Case
7100150191	100 x 16	5 ea/case



3M™ Power Tools: Specialty Abrasives







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 (kg)	Length (mm)	Height (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size (mm)
7100083279	28345	18,000	87 (99)	0.5	175	70	1/4" NPT	26 (736)	6
7100083510	28346	18,000*	87 (99)	0.7	270	70	1/4" NPT	26 (736)	6
7100083999	28347	4,000	87 (99)	0.7	200	70	1/4" NPT	26 (736)	6

*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 (kg)	Length (mm)	Height (mm)	Air Inlet Thread	Air Flow Rate SCFM (LPM)	Collet Size (mm)
7100210216	25126	20,000	86 (98)	0.9	197	73	3/8" NPT	37 (1,048)	6
7100210215	25127	18,000	89 (101)	0.9	197	73	3/8" NPT	37 (1,048)	6
7100142457	25128	12,000	N/A	1.2	254	81	3/8" NPT	37 (1,048)	6
7100142458	25129	8,000	N/A	1.2	254	81	3/8" NPT	37 (1,048)	6





Precision Bonded Systems

Surface modification at its finest.

3M Precision Grinding and Finishing Solutions

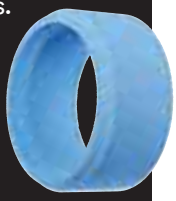
Specialized applications like gear grinding, tool grinding and cylindrical grinding demand precision and process stability. Achieving the highest precision requires the highest-quality abrasives. As a total solution supplier, 3M offers conventional and superabrasive wheels, microfinishing films, dressing 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™ 2 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

Superabrasive Wheels


Resin / Poly / Hybrid


Vitrified CBN


3D Printed Vitrified CBN


Vitrified Diamond


Electroplated CBN and Diamond


Metal Bond

Conventional Wheels


Vitrified Bond


Threaded / Bevel / Single Rib


Resin Bond


Cut-Off Wheel

Dressing Tools / Spindles


Rotary Dressers


Spindle Equipment

Flexibles / Compounds


Flex Diamond


Compounds


Microfinishing Film

Key

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

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
			Technologies																			
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			◐	◐		◐				●		●				●	◐		●	◐	●
	Slab and Plate Conditioning											●										
	MCOW 200–650 mm**														●							
	LCOW 650–2000 mm**													●								
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.
www.3M.co.uk/precisiongrinding

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				Coarse
			100	
	P150	A130		
150		A110		Medium
180	P180	A100	80	
220				
	P220	A90		
		A80	60	
	P240	A75		
240		A65		Fine
	P280			
		A60	50	
	P320			
280			40	
	P360			
320				Very Fine
	P400	A45	35	
	P500		30	
360				
	P600	A30		
400				
	P800	A25	22	
			20	
500				
	P1000	A20	18	
600				Super Fine
	P1200	A16		
			15	
	P1500	A10		
800			12	
	P2000		10	
1000				Ultra Fine
			9	
		A7		
1200		A6		
		A5	5	Micro Fine
1500		A3	3	
2000			1	

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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