



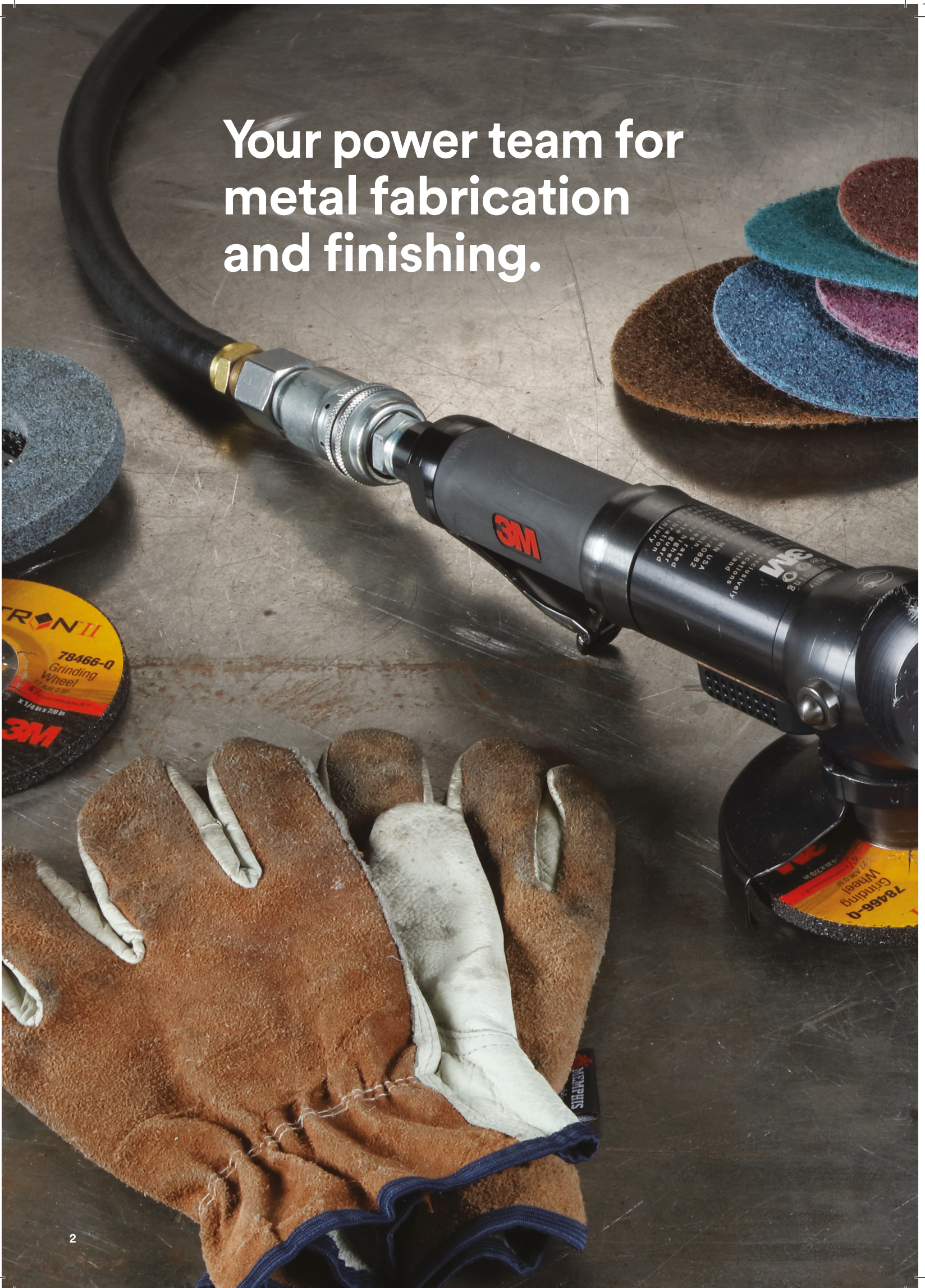
3M Science.
Applied to Life.™

From the initial cut, to the final finish.

3M™ Abrasives for Right Angle Systems

Cut, grind, finish and more...
with a world-class abrasive system that
helps you **work smarter, finish faster!**

Your power team for
metal fabrication
and finishing.



3M™ Abrasive Discs and Wheels offer innovative solutions for tackling a range of applications. Developed with cutting-edge abrasives technology, these products deliver the performance and quality you need. And we offer a variety of brands and grades to fit your budget and application.




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General guidelines

Which portfolio is best for your customer?

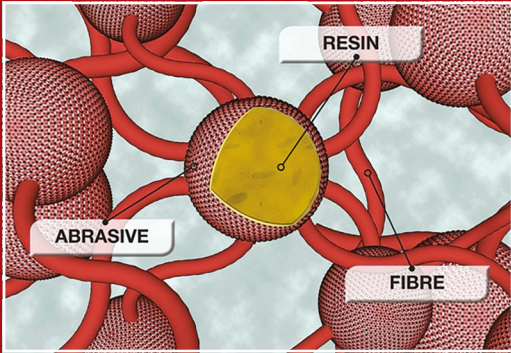

Choose 3M™ Cubitron™ II Abrasives for their legendary speed and long life, or Advanced Series discs and wheels for value-priced performance. Scotch-Brite™ Abrasives deliver consistent, reproducible results, making it easy to ensure quality finishes.

| What's most important? | Choose this family of 3M Abrasives |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Speed and long life – to improve productivity and lower <u>overall</u> production costs | <div> Premium Series – 3M™ Cubitron™ II Abrasives CUBITRON II </div>  |
| Consistency and ease of use – to improve surfaces without significantly changing the workpiece | <div> Premium Series – Scotch-Brite™ Abrasives Scotch-Brite™ </div>  |
| Value-priced performance – to minimise abrasive spend while getting the job done efficiently | <div> Advanced Series – 3M™ Abrasives 3M </div>  |

SCOTCH-BRITE™ NON-WOVEN ABRASIVE TECHNOLOGY

- ▶ A tough, non-woven nylon web impregnated with resin and mineral throughout its structure
- ▶ Spring-like action produces a smooth, burr-free surface
- ▶ Uniform, consistent results with no undercutting
- ▶ Suitable for deburring, finishing, cleaning and small weld removal applications
- ▶ Easy to use, less rework, fewer rejects

Uncompromising quality.
Lasts long, finishes strong.
Repeatable results.

Premium Series

Featuring 3M™ Cubitron™ II Abrasives for an unbeatable combination of speed and long life, and Scotch-Brite™ Abrasives for ease of use and consistent quality finishes.

CUBITRON II

Advanced Series

The next best thing to our Premium Series of 3M™ Cubitron™ II Abrasives, our new Advanced Series harnesses the power of 3M™ Precision Shaped Grain and helps minimise your abrasive spend.

3M

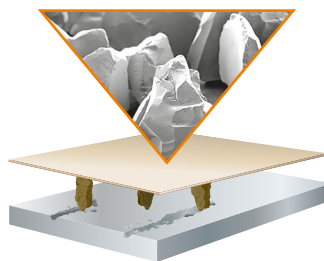
Optimised for applications including:

- ▶ Beveling
- ▶ Blending
- ▶ Cutting
- ▶ Deburring
- ▶ Grinding
- ▶ Weld removal

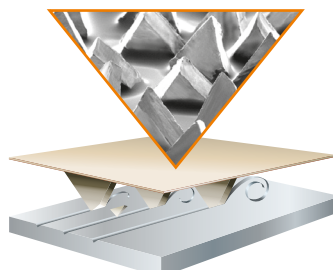
Used in industries such as:

- ▶ Agricultural, industrial and construction machinery
- ▶ General metal fabrication
- ▶ Oil and gas
- ▶ Ship building
- ▶ Stainless steel fabrication
- ▶ Structural steel

The Science of Precision Shaped Grain



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



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


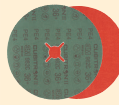



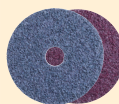

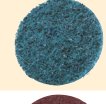
Meet the

Premium Series

of right angle abrasives
for unparalleled power
and performance!

Featuring:






- ▶ 3M™ Cubitron™ II Abrasives for an unbeatable combination of speed and long life
- ▶ Scotch-Brite™ Abrasives for ease of use and consistent quality finishes.

| Product | Weld Prep | Beveling |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
|  3M™ Cubitron™ II Depressed Centre Grinding Wheels | | ◆ |
|  3M™ Cubitron™ II Fibre Discs 982C & 987C | | ◆ |
|  3M™ Cubitron™ II Flap Discs | ◆ | ◆ |
|  3M™ Cubitron™ II Cut & Grind Wheels | | ◆ |
|  3M™ Cubitron™ II Cut Off Wheels | ◆ | |
|  Scotch-Brite™ Light Grinding & Blending Discs | ◆ | |
|  Scotch-Brite™ Clean & Strip XT PRO/Extra Cut Discs | ◆ | |
|  Scotch-Brite™ AL Surface Conditioning Discs | | |
|  Scotch-Brite™ Surface Conditioning Discs | | |

Introducing the

Advanced Series

of right angle abrasives
designed for value-priced
performance!

| Product | Weld Prep | Beveling |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
|  3M™ Silver Depressed Centre Grinding Wheels | | ◆ |
|  3M™ Fibre Discs 782C/787C | | ◆ |
|  3M™ Flap Discs 769F | ◆ | ◆ |
|  3M™ Silver Cut Off Wheels | | |
|  3M™ Cut & Grind Wheels | | ◆ |

◆ Recommended application

| Heavy Deburring | Weld Grinding | Blending | Finishing/ Surface Prep | Cutting | Back Gouging | Fillet Weld Removal |
|-----------------|---------------|----------|----------------------------|---------|--------------|------------------------|
| ◆ | ◆ | | | | | |
| ◆ | ◆ | | | | | |
| ◆ | ◆ | ◆ | ◆ | | | |
| | ◆ | | | ◆ | ◆ | ◆ |
| | | | | ◆ | | |
| | | ◆ | ◆ | | | |
| | | | ◆ | | | |
| | | ◆ | ◆ | | | |
| | | ◆ | ◆ | | | |

| Heavy Deburring | Weld Grinding | Blending | Finishing/ Surface Prep | Cutting | Back Gouging | Fillet Weld Removal |
|-----------------|---------------|----------|----------------------------|---------|--------------|------------------------|
| ◆ | ◆ | | | | | |
| ◆ | ◆ | | | | | |
| ◆ | ◆ | ◆ | ◆ | | | |
| | | | | ◆ | | |
| | ◆ | | | ◆ | ◆ | ◆ |

Health and safety hazards

The use of abrasives can create immediate safety hazards as well as long-term health hazards. If not properly managed and controlled, the routine use of abrasives can potentially create hazards from airborne particles, noise and hand-arm vibration.



Airborne particles



Eye hazards

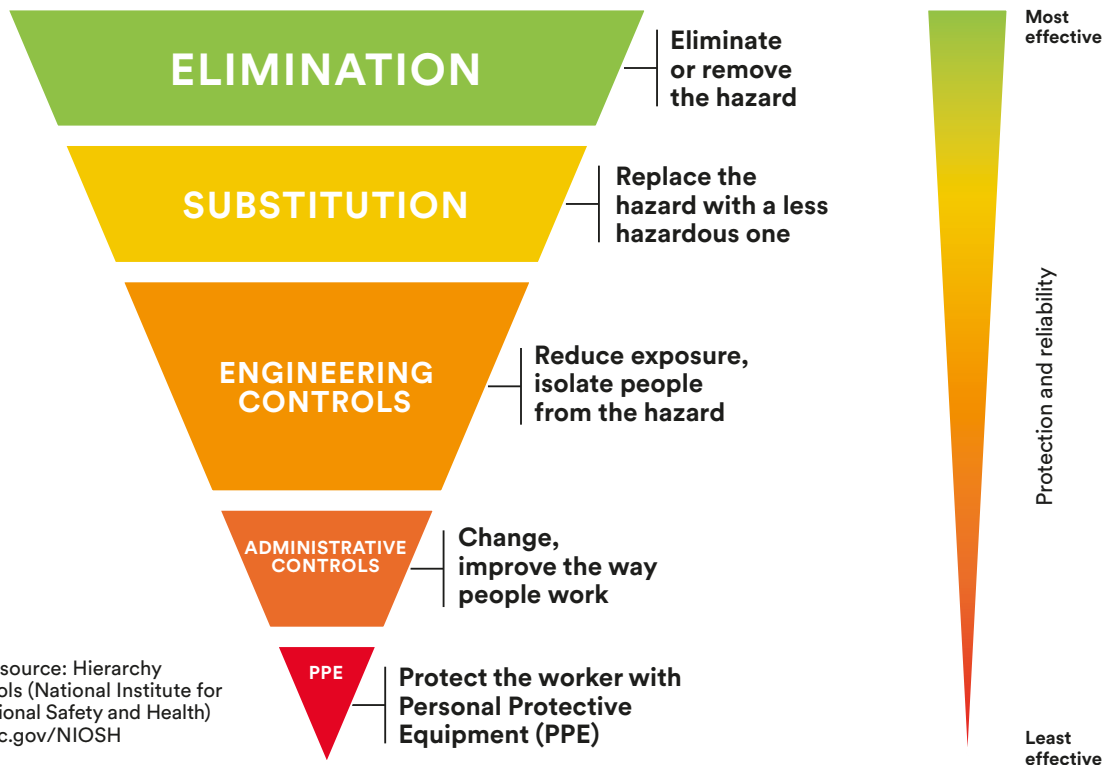


Noise



Hand-arm vibration

Hierarchy of Controls*



* Content source: Hierarchy of Controls (National Institute for Occupational Safety and Health) www.cdc.gov/NIOSH

Airborne particles

- Airborne particles are potentially hazardous to workers through contact with exposed skin or eyes, and especially by inhalation
- Adequate and suitable respiratory protection should be determined, based upon a risk assessment including an evaluation of the level of exposure, occupational exposure limits, and on what specific task and worker requirements
- Related processes may also include welding fume and/or gases used

Eye hazards

In most manual grinding processes, there is a potential for eye injury from flying particles or even from failure of a grinding wheel or similar.

Related processes like welding also require eye protection from the intense UV and visible light from the arc, for example the use of an auto-darkening filter (ADF).

Noise

Depending on the specific operation, noise levels can range from moderate to very high reaching up to 120dB(A). Grinding, for example, can result in noise levels in the range of 97-105dB(A). Repeated daily personal noise exposure above LEP,d 85dB(A) can lead to permanent hearing loss and tinnitus. Almost anyone working in a metal fabrication environment is likely to be exposed to harmful noise level.

In addition to protecting against harmful effects of noise, it is vital to maintain situational awareness so that important warning signals can be heard such as fire alarm and moving vehicles, for example.

Hand-arm vibration

The risk of vibration-related injury is associated with tasks that require excessive bending of the wrists or time on tool.

- Prolonged exposure to vibration can cause damage to blood vessels, nerves and tendons in fingers, hands and wrists, leaving the sufferer with reduced sensitivity, strength and dexterity

Personal Safety Solutions (PPE)

If you have reduced exposure to the hazards to a minimum and you have optimised the process – then you need to choose adequate Personal Protective Equipment (PPE).

Hearing protection



**3M™ E-A-R™
Flexible Fit
HA Earplug**



**3M™ PELTOR™
Electronic Earplug,
EEP-100**



**3M™ PELTOR™
Earmuff X4**



**3M™ PELTOR™ X4 and
Wireless Communication
Accessory**

Eye protection



**3M™ SecureFit™ 400X
Series Safety Glasses**



**3M™ SecureFit™ 3700
Series Overspectacles**



**3M™ Speedglas™ G5-01
Welding Helmet**

Respiratory protection



**3M™ Aura™
Filtering Facepiece
Respirators,
9300+Gen3**



**3M™ Secure Click™
Half Mask Reusable
Respirator HF-800
Series**



**3M™ Speedglas™
Welding Helmet,
G5-01 with
3M™ Adlfo™**

www.3M.co.uk/safety/metal

Premium Series

3M™ Cubitron™ II Cut Off Wheels

Cut to the chase.

Cubitron II Cut Off Wheels are designed to provide high cut rates on all types of ferrous metals, stainless steels, alloy steels and cast iron. They offer long life to help reduce cost. Plus, their fast, cool cutting action helps make your job easier!

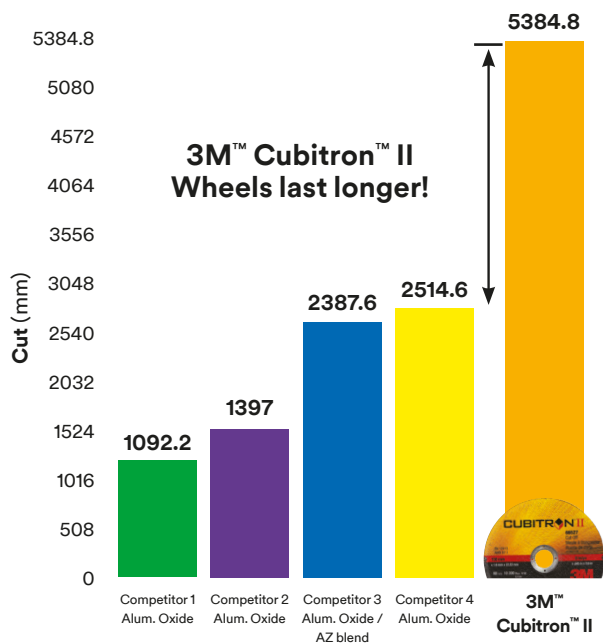
3M™ Cubitron™ II Cut-Off Wheels

| Diameter x thickness x centre hole (mm) | Type | Part number | Max. RPM | Quantity (Inner/Case) |
|--------------------------------------------|------|-------------|----------|--------------------------|
| 75 x 0.9 x 6.35 | T41 | 65450 | 20000 | 25/50 |
| 75 x 0.9 x 9.53 | T41 | 65452 | 20000 | 25/50 |
| 100 x 2 x 15.88 | T41 | 65501 | 15300 | 25/50 |
| 115 x 1 x 22.23 | T41 | 65513 | 13300 | 25/50 |
| 115 x 1.6 x 22.23 | T41 | 65454 | 13300 | 25/50 |
| 115 x 2.5 x 22.23 | T41 | 65472 | 13300 | 25/50 |
| 125 x 1 x 22.23 | T41 | 65412 | 12200 | 25/50 |
| 125 x 1.6 x 22.23 | T41 | 65455 | 12200 | 25/50 |
| 125 x 2.5 x 22.23 | T41 | 65461 | 12200 | 25/50 |
| 180 x 1.6 x 22.23 | T41 | 65456 | 8500 | 25/50 |
| 180 x 2.5 x 22.23 | T41 | 65462 | 8500 | 25/50 |
| 230 x 2 x 22.23 | T41 | 65463 | 6650 | 25/50 |
| 230 x 2.5 x 22.23 | T41 | 65471 | 6650 | 25/50 |
| 230 x 3 x 22.23 | T41 | 65487 | 6650 | 25/50 |
| 125 x 2.5 x 22.23 | T42 | 65477 | 12200 | 25/50 |
| 180 x 2.5 x 22.23 | T42 | 65479 | 8500 | 25/50 |
| 230 x 2.5 x 22.23 | T42 | 65481 | 6650 | 25/50 |



New, improved construction for an even faster cut ... longer life!

Wheel life



Internal 3M testing on 304L stainless steel sheet (11 gauge) using a 13 amp electric tool.





3M™ Silver Cut Off Wheels

A cut above the ordinary.

3M™ Silver Cut Off Wheels are premium performance wheels designed to be affordable for everyday use. Featuring 3M Precision-Shaped Grain technology, these innovative wheels deliver fast, smooth cutting action on all types of ferrous metals, stainless steels and alloy steels. Plus they last longer than aluminium oxide and alumina zirconia wheels. That means fewer wheel changes and more finished parts per wheel to help improve shop productivity and control your costs.

3M™ Silver Cut Off Wheels – Type 1

| Diameter × thickness × centre hole (mm) | Part number | Max. RPM | Quantity (Inner/Case) |
|--------------------------------------------|-------------|----------|--------------------------|
| 75 × 0.9 × 6 | 51765 | 20000 | 25/50 |
| 75 × 0.9 × 10 | 51767 | 20000 | 25/50 |
| 75 × 1.6 × 10 | 51769 | 20000 | 25/50 |
| 100 × 0.9 × 6 | 51771 | 15300 | 25/50 |
| 100 × 1 × 10 | 51774 | 15300 | 25/50 |
| 100 × 1 × 16 | 51775 | 15300 | 25/50 |
| 100 × 1.3 × 16 | 51776 | 15300 | 25/50 |
| 105 × 1 × 10 | 51777 | 14550 | 25/50 |
| 105 × 1 × 16 | 51778 | 14550 | 25/50 |
| 105 × 2 × 16 | 51783 | 14550 | 25/50 |
| 115 × 1 × 22.23 | 51785 | 13300 | 25/50 |
| 115 × 1.6 × 22.23 | 51787 | 13300 | 25/50 |
| 125 × 1 × 22.23 | 51790 | 12250 | 25/50 |
| 125 × 1.6 × 22.23 | 51792 | 12250 | 25/50 |
| 150 × 1.6 × 22.23 | 51814 | 10200 | 25/50 |
| 125 × 2 × 22.23 | 51795 | 12250 | 25/50 |
| 180 × 1.6 × 22.23 | 51796 | 8500 | 25/50 |
| 180 × 2 × 22.23 | 51797 | 8500 | 25/50 |
| 115 × 2.5 × 22.23 | 51800 | 13300 | 25/50 |
| 125 × 2.5 × 22.23 | 51801 | 12250 | 25/50 |
| 180 × 2.5 × 22.23 | 51802 | 8500 | 25/50 |
| 180 × 3 × 22.23 | 51803 | 8500 | 25/50 |
| 230 × 2 × 22.23 | 51804 | 6650 | 25/50 |
| 230 × 2.5 × 22.23 | 51805 | 6650 | 25/50 |
| 230 × 3 × 22.23 | 51806 | 6650 | 25/50 |





Premium Series

3M™ Cubitron™ II Cut & Grind Wheels

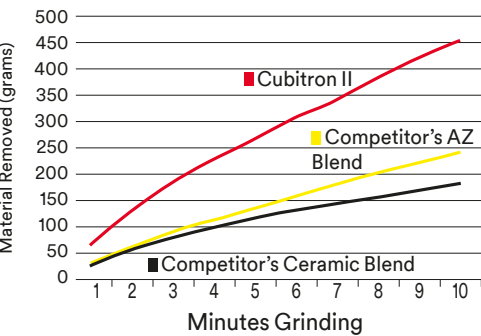
Cut. Grind. Done.

These versatile wheels are designed to be used both as a depressed centre grinding wheel and as a cut off wheel – making them ideal for cutting, grinding, gouging and more. After 10 minutes of use, they nearly doubled the output of our closest competitor while removing nearly 2x the material.

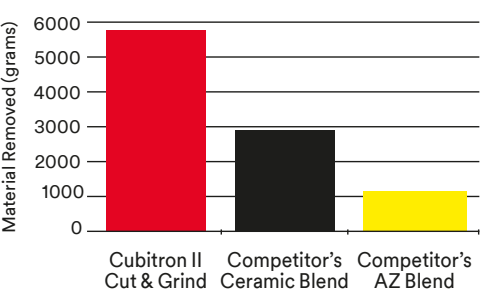
3M™ Cubitron™ II Cut & Grind Wheels – T27

| Diameter x thickness x centre hole (mm) | Type | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------------------|------|-------------|----------|-----------------------|
| 100 x 4 x 9.53 | T27 | 81155 | 15300 | 10/20 |
| 100 x 4 x 15.88 | T27 | 81153 | 15300 | 10/20 |
| 115 x 4 x 22.23 | T27 | 81157 | 13300 | 10/20 |
| 125 x 4 x 22.23 | T27 | 81149 | 12200 | 10/20 |
| 150 x 4 x 22.23 | T27 | 81152 | 10200 | 10/20 |
| 180 x 4 x 22.23 | T27 | 81148 | 8500 | 10/20 |
| 230 x 4 x 22.23 | T27 | 81154 | 6650 | 10/20 |

3M™ Cubitron™ II Cut & Grind Wheels Cut Faster! After 10 min., nearly double the output of our closest competitor



3M™ Cubitron™ II Cut & Grind Wheels Last Longer! Removes nearly 2x the material, compared to our closest competitor





New 3M™ Cut & Grind Wheels

Value and versatility.

The newest addition to our Advanced Series of abrasives, 3M Cut & Grind Wheels are designed for use as both depressed centre grinding wheels and cut-off wheels, so you can get more done.

See why 3M™ Cut & Grind Wheels are a cut above the competition!

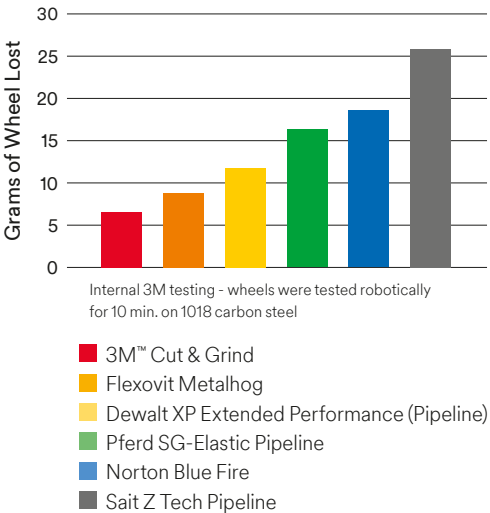
- ▶ 3M™ Cut & Grind Wheel shows 47% less wheel wear than Norton™ Blue Fire Depressed Center wheel, 4.5D, 1.8T, 7/8*
 ▶ Consistent, high-quality performance
 ▶ All at a price you can't say no to!

* Internal testing with products from US Marketplace - wheels were tested robotically for 10 min. on 1018 carbon steel.

| Diameter x thickness x centre hole (mm) | Type | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------------------|------|-------------|----------|-----------------------|
| 100 x 4.2 x 16 | T27 | 52049 | 15300 | 10/20 |
| 115 x 4.2 x 22.23 | T27 | 52050 | 13300 | 10/20 |
| 125 x 4.2 x 22.23 | T27 | 52051 | 12500 | 10/20 |
| 150 x 4.2 x 22.23 | T27 | 52052 | 10200 | 10/20 |
| 180 x 4.2 x 22.23 | T27 | 52053 | 8500 | 10/20 |
| 230 x 4.2 x 22.23 | T27 | 52054 | 6650 | 10/20 |

Cut & Grind Wheel Wear Comparison

3M™ Cut & Grind wheels wear less and last longer than the competition!





Premium Series


3M™ Cubitron™ II Depressed Centre Grinding Wheels

Go the distance.

3M™ Cubitron™ II Depressed Centre Grinding Wheels are fast cutting, long lasting and require less pressure. These cool cutting wheels are ideal for heavy grinding and weld removal. Specially formulated for use on stainless and mild steel. Available with quick change attachment. **DO NOT USE ON TOOLS WITHOUT GUARDS.**

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

| Diameter × thickness × centre hole (mm) | Type | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------------------|------|-------------|----------|-----------------------|
| 100 × 7 × 16 | T27 | 51746 | 15300 | 10/20 |
| 115 × 7 × 22.23 | T27 | 51747 | 13300 | 10/20 |
| 125 × 7 × 22.23 | T27 | 51748 | 12250 | 10/20 |
| 150 × 7 × 22.23 | T27 | 51749 | 10200 | 10/20 |
| 180 × 7 × 22.23 | T27 | 51750 | 8500 | 10/20 |
| 230 × 7 × 22.23 | T27 | 51751 | 6650 | 10/20 |

 New improved construction offers even greater durability and longer life. Same smooth-running feel.



Bonded wheel product comparisons

Speed and durability rated on a scale of 1 to 5, with 5 stars being the best.



| Attributes | Aluminium oxide | Alumina zirconia | 3M™ Silver | 3M™ Cubitron™ II |
|----------------------------------------------------|-----------------|------------------|------------|------------------|
| Durability / Life | ** | *** | ***** | ***** |
| Speed of Cut | * | ** | *** | ***** |
| Feel: Smooth | ** | *** | **** | ***** |
| Contaminant-free* (for stainless/inox) | varies | varies | yes | yes |
| Abrasive Cost per Job | € € € | € € | € | € € |
| Total Cost of Job (Abrasive, Labour, Processes) | € € € € | € € € | € € | € |

* Contains less than 0.1% Fe, S and Cl



Advanced Series

3M™ Silver Depressed Centre Grinding Wheels

**The next-best thing to a 3M™ Cubitron™ II Wheel.
And it still beats the competition, hands down.**

3M Silver Depressed Centre Grinding Wheels (DCGW) represent a new class of long-lasting right-angle abrasives – powered by the legendary speed and long life of 3M™ Precision Shaped Grain and engineered to offer an outstanding value, when abrasive cost takes precedence over reducing total production time. They are an ideal choice for applications like weld removal, beveling, edge chamfering and more – offering a longer life and faster cut than aluminium oxide, alumina zirconia and conventional ceramic abrasives.

3M™ Silver Depressed Centre Grinding Wheel — T27

| Diameter × thickness × centre hole (mm) | Type | Part number | Max. RPM | Quantity (inner/case) |
|--------------------------------------------|------|-------------|----------|--------------------------|
| 100 × 7 × 16 | T27 | 51746 | 15300 | 10/20 |
| 115 × 7 × 22.23 | T27 | 51747 | 13300 | 10/20 |
| 125 × 7 × 22.23 | T27 | 51748 | 12250 | 10/20 |
| 150 × 7 × 22.23 | T27 | 51749 | 10200 | 10/20 |
| 180 × 7 × 22.23 | T27 | 51750 | 8500 | 10/20 |
| 230 × 7 × 22.23 | T27 | 51751 | 6650 | 10/20 |



What's the bottom line?

For customers who can see the value in productivity and shop savings, always lead with **Cubitron II Depressed Centre Grinding Wheels**.

- ✓ Highest productivity
- ✓ Lowest overall production cost

For customers who are cost-driven, suggest **3M Silver Depressed Centre Grinding Wheels** as an alternative with excellent performance.

- ✓ High productivity
- ✓ Lowest overall abrasive spend

Not intended for use on aluminium. Please consider using our 3M™ Fibre Disc 787C or 3M™ Cubitron II Flap Disc 967A.

Premium Series

3M™ Cubitron™ II Fibre Discs 982C and 987C

Grinding reinvented.

Cubitron II Fibre Discs are engineered to cut faster, cooler and with less grinding pressure than conventional abrasives. And they are long lasting for increased productivity! Choose **Cubitron II Fibre Discs 987C** for cool cutting on stainless steel, high-nickel alloys and superalloys. For carbon steel applications, try our **Cubitron II Fibre Discs 982C**.

► Tech Tip

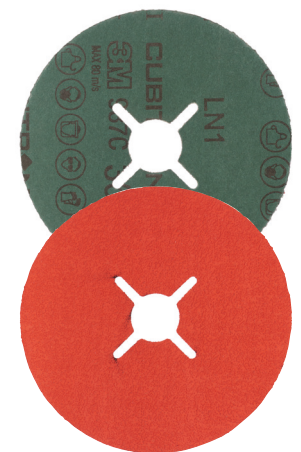
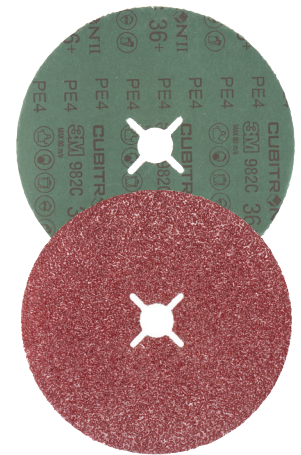
Use 3M™ Disc Pad Face Plates – Red Ribbed to optimise product life of Cubitron II Fibre Discs – grade 36+.

3M™ Cubitron™ II Fibre Disc 982C for carbon steel

| Diameter × centre hole (mm) | Grade | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|-------------|----------|-----------------------|
| 100 × 16 | 36+ | 27769 | 15200 | 25/100 |
| 100 × 16 | 60+ | 27770 | 15200 | 25/100 |
| 100 × 16 | 80+ | 27771 | 15200 | 25/100 |
| 115 × 22 | 36+ | 55075 | 13300 | 25/100 |
| 115 × 22 | 60+ | 27623 | 13300 | 25/100 |
| 115 × 22 | 80+ | 27627 | 13300 | 25/100 |
| 125 × 22 | 36+ | 55073 | 12000 | 25/100 |
| 125 × 22 | 60+ | 27624 | 12000 | 25/100 |
| 125 × 22 | 80+ | 27628 | 12000 | 25/100 |
| 180 × 22 | 36+ | 27698 | 8600 | 25/100 |
| 180 × 22 | 60+ | 27740 | 8600 | 25/100 |
| 180 × 22 | 80+ | 27741 | 8600 | 25/100 |
| 230 × 22 | 36+ | 27668 | 6600 | 25/100 |

3M™ Cubitron™ II Fibre Disc 987C for stainless steel and other heat-sensitive alloys

| Diameter × centre hole (mm) | Grade | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|-------------|----------|-----------------------|
| 100 × 16 | 36+ | 27772 | 15200 | 25/100 |
| 100 × 16 | 60+ | 27773 | 15200 | 25/100 |
| 100 × 16 | 80+ | 27774 | 15200 | 25/100 |
| 115 × 22 | 36+ | 27619 | 13300 | 25/100 |
| 115 × 22 | 60+ | 27645 | 13300 | 25/100 |
| 115 × 22 | 80+ | 27649 | 13300 | 25/100 |
| 125 × 22 | 36+ | 27618 | 12000 | 25/100 |
| 125 × 22 | 60+ | 27646 | 12000 | 25/100 |
| 125 × 22 | 80+ | 27650 | 12000 | 25/100 |
| 180 × 22 | 36+ | 27744 | 8600 | 25/100 |
| 180 × 22 | 60+ | 27742 | 8600 | 25/100 |
| 180 × 22 | 80+ | 27743 | 8600 | 25/100 |



3M™ Fibre Discs 782C and 787C

An unbeatable combination of performance and value.

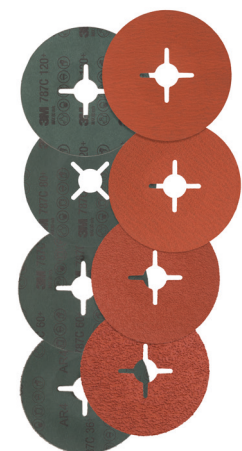
3M™ Fibre Discs 782C and 787C represent a new class of high-performance, right-angle abrasives – powered by the legendary speed and long life of 3M Precision-Shaped Grain. They are an ideal choice for applications like weld removal, beveling, edge chamfering and more – offering a faster cut and longer life than alumina zirconia (AZ) and conventional ceramic abrasives. **3M™ Fibre Disc 782C** is an ideal choice for carbon steel. **3M™ Fibre Disc 787C** is optimised for stainless steel and non-ferrous metals like aluminium.

3M™ Fibre Disc 782C – for carbon steel

| Diameter × centre hole (mm) | Grade | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|-------------|----------|-----------------------|
| 100 × 16 | 36+ | 89713 | 15200 | 25/100 |
| 100 × 16 | 60+ | 89717 | 15200 | 25/100 |
| 100 × 16 | 80+ | 89721 | 15200 | 25/100 |
| 115 × 22 | 36+ | 89714 | 13200 | 25/100 |
| 115 × 22 | 60+ | 89718 | 13200 | 25/100 |
| 115 × 22 | 80+ | 89722 | 13200 | 25/100 |
| 125 × 22 | 36+ | 89715 | 12000 | 25/100 |
| 125 × 22 | 60+ | 89719 | 12000 | 25/100 |
| 125 × 22 | 80+ | 89723 | 12000 | 25/100 |
| 180 × 22 | 36+ | 89716 | 8500 | 25/100 |
| 180 × 22 | 60+ | 89720 | 8500 | 25/100 |
| 180 × 22 | 80+ | 89724 | 8500 | 25/100 |

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

| Diameter × centre hole (mm) | Grade | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|-------------|----------|-----------------------|
| 100 × 16 | 36+ | 89729 | 15200 | 25/100 |
| 100 × 16 | 60+ | 89733 | 15200 | 25/100 |
| 100 × 16 | 80+ | 89737 | 15200 | 25/100 |
| 100 × 16 | 120+ | 89741 | 15200 | 25/100 |
| 115 × 22 | 36+ | 89730 | 13200 | 25/100 |
| 115 × 22 | 60+ | 89734 | 13200 | 25/100 |
| 115 × 22 | 80+ | 89738 | 13200 | 25/100 |
| 115 × 22 | 120+ | 89742 | 13200 | 25/100 |
| 125 × 22 | 36+ | 89731 | 12000 | 25/100 |
| 125 × 22 | 60+ | 89735 | 12000 | 25/100 |
| 125 × 22 | 80+ | 89739 | 12000 | 25/100 |
| 125 × 22 | 120+ | 89743 | 12000 | 25/100 |
| 180 × 22 | 36+ | 89732 | 8500 | 25/100 |
| 180 × 22 | 60+ | 89736 | 8500 | 25/100 |
| 180 × 22 | 80+ | 89740 | 8500 | 25/100 |
| 180 × 22 | 120+ | 89744 | 8500 | 25/100 |

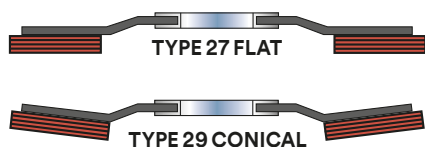


Premium Series

3M™ Cubitron™ II Flap Discs 967A and 969F

The one-step alternative to bonded wheels and fibre discs.

Cubitron II Flap Discs let you breeze through a wide range of tough jobs around the shop, including grinding, weld removal, deburring and more. These smooth-running wheels are designed to cut with less pressure. They include a grinding aid to help maintain cutting efficiency on heat-sensitive metals. And, because they are made with 3M precision-shaped grain, they keep on cutting – long after other flap discs have called it quits!



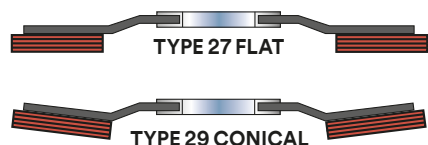
3M™ Cubitron™ II Flap Discs 967A

Constructed with a poly-cotton backing that exposes fresh mineral as it wears, for a fast, forgiving cut. Performs well on many common applications, offering a great balance of fast cut and long life.



3M™ Cubitron™ II Flap Discs 967A

| Diameter x centre hole (mm) | Grade | Type | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|---------|-------------|----------|-----------------------|
| 100 x 16 | 40+ | Conical | 65049 | 15200 | 10/10 |
| 100 x 16 | 60+ | Conical | 65050 | 15200 | 10/10 |
| 115 x 22 | 40+ | Conical | 65051 | 13200 | 10/10 |
| 115 x 22 | 60+ | Conical | 65052 | 13200 | 10/10 |
| 115 x 22 | 80+ | Conical | 65053 | 13200 | 10/10 |
| 125 x 22 | 40+ | Conical | 65054 | 12200 | 10/10 |
| 125 x 22 | 60+ | Conical | 65055 | 12200 | 10/10 |
| 125 x 22 | 80+ | Conical | 65056 | 12200 | 10/10 |
| 180 x 22 | 40+ | Conical | 65060 | 8600 | 10/10 |
| 180 x 22 | 60+ | Conical | 65061 | 8600 | 10/10 |
| 180 x 22 | 80+ | Conical | 65062 | 8600 | 10/10 |
| 100 x 16 | 60+ | Flat | 65064 | 15200 | 10/10 |
| 100 x 16 | 80+ | Flat | 65065 | 15200 | 10/10 |
| 115 x 22 | 40+ | Flat | 65066 | 13200 | 10/10 |
| 115 x 22 | 60+ | Flat | 65067 | 13200 | 10/10 |
| 115 x 22 | 80+ | Flat | 65068 | 13200 | 10/10 |
| 125 x 22 | 40+ | Flat | 65069 | 12200 | 10/10 |
| 125 x 22 | 60+ | Flat | 65070 | 12200 | 10/10 |
| 125 x 22 | 80+ | Flat | 65071 | 12200 | 10/10 |
| 180 x 22 | 40+ | Flat | 65072 | 8600 | 10/10 |
| 180 x 22 | 60+ | Flat | 65073 | 8600 | 10/10 |
| 180 x 22 | 80+ | Flat | 65074 | 8600 | 10/10 |



3M™ Cubitron™ II Flap Discs 969F

Featuring a tough polyester backing, to hold up under demanding applications like heavy grinding, edge deburring and beveling.



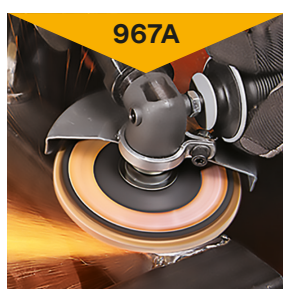
3M™ Cubitron™ II Flap Discs 969F

| Diameter x centre hole (mm) | Grade | Type | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|---------|-------------|----------|-----------------------|
| 100 x 16 | 40+ | Conical | 65049 | 15200 | 10/10 |
| 100 x 16 | 60+ | Conical | 65050 | 15200 | 10/10 |
| 115 x 22 | 40+ | Conical | 65051 | 13200 | 10/10 |
| 115 x 22 | 60+ | Conical | 65052 | 13200 | 10/10 |
| 115 x 22 | 80+ | Conical | 65053 | 13200 | 10/10 |
| 125 x 22 | 40+ | Conical | 65054 | 12200 | 10/10 |
| 125 x 22 | 60+ | Conical | 65055 | 12200 | 10/10 |
| 125 x 22 | 80+ | Conical | 65056 | 12200 | 10/10 |
| 180 x 22 | 40+ | Conical | 65060 | 8600 | 10/10 |
| 180 x 22 | 60+ | Conical | 65061 | 8600 | 10/10 |
| 180 x 22 | 80+ | Conical | 65062 | 8600 | 10/10 |
| 100 x 16 | 60+ | Flat | 65064 | 15200 | 10/10 |
| 100 x 16 | 80+ | Flat | 65065 | 15200 | 10/10 |
| 115 x 22 | 40+ | Flat | 65066 | 13200 | 10/10 |
| 115 x 22 | 60+ | Flat | 65067 | 13200 | 10/10 |
| 115 x 22 | 80+ | Flat | 65068 | 13200 | 10/10 |
| 125 x 22 | 40+ | Flat | 65069 | 12200 | 10/10 |
| 125 x 22 | 60+ | Flat | 65070 | 12200 | 10/10 |

► Tech tip

3M Cubitron II Flap Discs will often produce a finish equivalent to the next-finer grade of a fibre disc (i.e., a 60 grit flap disc will usually leave a finish similar to an 80 grit fibre disc) – saving you time and finishing steps!

Choose the right disc for the job:



Medium duty

- Weld removal
- Scale removal
- Oxide removal
- Surface prep
- Metal dimensioning
- Blending



Heavy duty

- Light cleaning
- Beveling
- Edge deburring
- Aggressive weld removal



Advanced Series

3M™ Flap Discs 769F

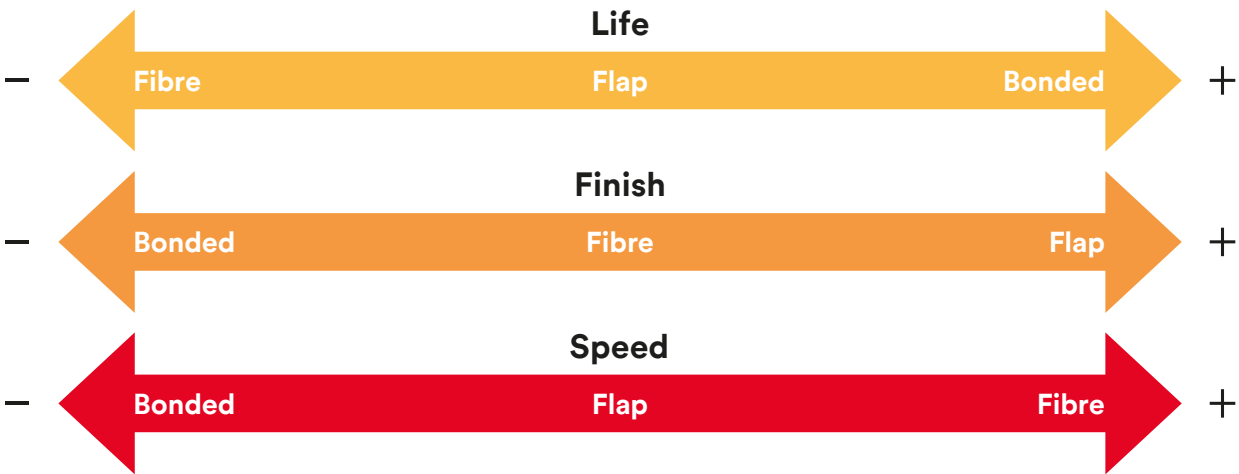
Everyday value.
Exceptional performance.

These value-priced discs harness the power of 3M™ Precision Shaped Grain and the versatility of flap discs, all at a price that's affordable for everyday use. Get dependable performance with fewer disc changes – and get more work done over the life of your disc.

Product availability

| 3M™ Flap Discs 769F | | | | | | | | | |
|---------------------|-------|-----------------------------------|-------------|--------------|-------------------|-------|-----------------------------------|-------------|--------------|
| TYPE 27 - FLAT | | | | | TYPE 29 - CONICAL | | | | |
| Part number | Grade | Diameter x centre hole (mm) | Max. RPM | Qty/ Case | Part number | Grade | Diameter x centre hole (mm) | Max. RPM | Qty/ Case |
| 51990 | 40+ | 115 x 22.23 | 13300 | 10/10 | 51991 | 40+ | 115 x 22.23 | 13300 | 10/10 |
| 51992 | 60+ | | | | 51993 | 60+ | | | |
| 51994 | 80+ | | | | 51995 | 80+ | | | |
| 51996 | 120+ | | | | 51997 | 120+ | | | |
| 51998 | 40+ | 125 x 22.23 | 12000 | 10/10 | 51999 | 40+ | 125 x 22.23 | 12000 | 10/10 |
| 52006 | 60+ | | | | 52007 | 60+ | | | |
| 52008 | 80+ | | | | 52009 | 80+ | | | |
| 52010 | 120+ | | | | 52011 | 120+ | | | |
| 52012 | 40+ | 180 x 22.23 | 8600 | 5/5 | 52013 | 40+ | 180 x 22.23 | 8600 | 5/5 |
| 52014 | 60+ | | | | 52015 | 60+ | | | |
| 52016 | 80+ | | | | 52017 | 80+ | | | |
| 52018 | 120+ | | | | 52019 | 120+ | | | |

Fibre Discs vs. Depressed Centre Grinding Wheel vs. Flap Disc





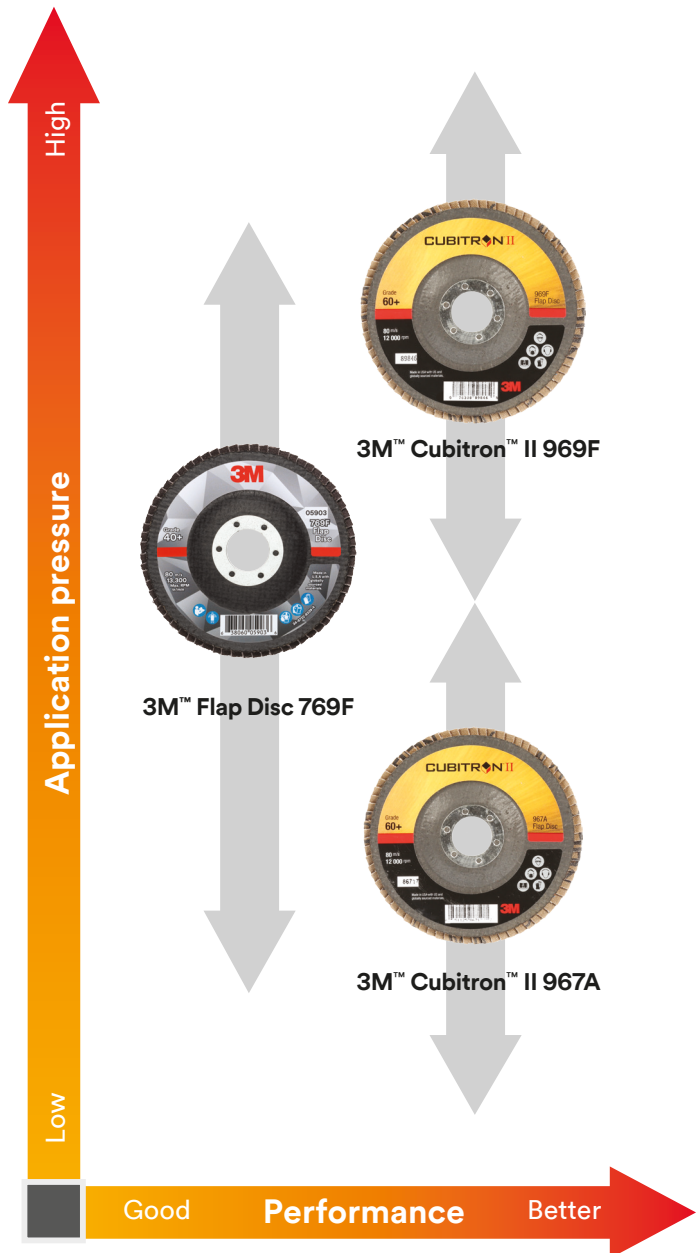
A word about wear.

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 Discs 769F is designed to wear just the right amount to provide consistent cut over a wide range of medium- and heavy-duty applications. Combined with the power of 3M Precision-Shaped Grain, that helps 3M™ Flap Discs 769F outperform the competition – at a value price!



For even faster cut and longer life, try 3M™ Cubitron™ II Flap Discs 967A and 969F. See pages 18-19.

Choose the right flap disc for your job.



Medium duty

- ▶ Weld removal
- ▶ Scale removal
- ▶ Oxide removal
- ▶ Surface prep
- ▶ Blending
- ▶ Light cleaning

Heavy duty

- ▶ Beveling
- ▶ Edge deburring
- ▶ Aggressive weld removal



QUALITY FINISHES. MADE EASY.

For over 50 years, metalworking professionals have trusted Scotch-Brite™ Abrasives for a wide range of cleaning, deburring and finishing applications on all types of metals. Scotch-Brite products feature an open-web construction that resists loading.

Scotch-Brite products help you improve surfaces without significantly changing the shape or dimension of the workpiece.



CHOOSE THE RIGHT DISC FOR THE JOB.



SCOTCH-BRITE™ HAND PADS 7447 PRO AND 7448 PRO

Scotch-Brite Hand Pads give you a fast, consistent scuff for everyday surface preparation. Ideal for cleaning parts, deburring, hand blending and scuffing prior to painting. A great alternative to steel wool – no rust or splintering! Hand Pads 7447 PRO and 7448 PRO feature more durable construction, for longer life, and tightly graded abrasive particles for a consistent, uniform scratch throughout the life of the pad.

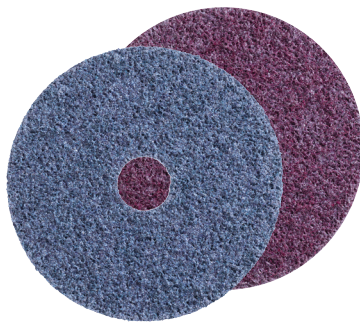
| Mineral type | Width x length (mm) | Grade | Colour | Part number | Quantity (inner/case) |
|--------------|---------------------|--------|--------|-------------|-----------------------|
| 7447+ | 155 x 225 | A VFN | Maroon | 5303 | 20/60 |
| 7448+ | 155 x 225 | S ULFN | Grey | 5304 | 20/60 |



PREMIUM SERIES

► Tech Tip

Use for light stock removal and aggressive blending operations.



► Tech Tip

2-Step Weld Removal and Prep for Paint

- ✓ **STEP 1:**
Remove the weld with 3M™ Cubitron™ II Fibre Disc 982C grade 36+
- ✓ **STEP 2:**
Finish with Scotch-Brite LGB SD Disc
- ✓ **READY FOR PAINT**
(>3 mil)

NOTE: For best results, use with red (extra hard) or black (hard) 3M™ Disc Face Plates.

► Tech Tip

Scotch-Brite™ Light Grinding & Blending Surface Conditioning Discs can be used on the fibre disc back-up pad that you already using for weld removal! Making it the quick change option for the next step in your process.

SCOTCH-BRITE™ LIGHT GRINDING AND BLENDING DISCS

FOR LIGHT GRINDING AND BLENDING

A durable disc constructed with 3M ceramic aluminium oxide blend abrasive grain, for an aggressive cut, long life and consistent finish. Resistant to edge wear. Ideal for light grinding applications to produce a burr-free and paintable finish.

Scotch-Brite™ Light Grinding and Blending

| Diameter x centre hole (mm) | Product key | Colour | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------------|--------|-------------|----------|-----------------------|
| 100 × 22 | HD ACRS | Blue | 60337 | 11000 | 100/100 |
| 100 × 22 | SD ACRS | Purple | 60338 | 11000 | 100/100 |
| 115 × 22 | HD ACRS | Blue | 673232 | 13200 | 50/50 |
| 115 × 22 | SD ACRS | Purple | 64400 | 13200 | 50/50 |
| 127 × 22 | SD ACRS | Purple | 65128 | 12250 | 50/50 |
| 127 × 22 | HD ACRS | Blue | 65127 | 12250 | 50/50 |
| 178 × 22 | HD ACRS | Blue | 60347 | 8500 | 50/50 |
| 178 × 22 | SD ACRS | Purple | 60344 | 8500 | 50/50 |

PREMIUM SERIES



SCOTCH-BRITE™ CLEAN AND STRIP XT PRO DISCS

SPEED WITHOUT COMPROMISE.

Upgrade to the Scotch-Brite™ Clean and Strip XT Pro or XT Pro Extra Cut for rust and coating removal. Delivering the uncompromising results metalworkers have come to expect from Scotch-Brite™ Clean and Strip discs, with a faster speed rating, convenient quick-change threaded hub and extended life.

Scotch-Brite™ Clean & Strip XT Pro Disc XO-RD

| Diameter x Centre Hole (mm) | Part no. | Grade | Max. RPM | Qty/Case |
|-----------------------------|----------|--------|----------|----------|
| 115 x 22 | 51889 | S XCRS | 13000 | 10/10 |
| 125 x 22 | 51890 | S XCRS | 12200 | 10/10 |
| 125 x 22 (M14 Quick Change) | 51891 | S XCRS | 12200 | 10/10 |
| 178 x 22 | 51892 | S XCRS | 8500 | 10/10 |

Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc XO-DR

| | | | | |
|----|-------|--------|-------|-------|
| 50 | 51887 | S XCRS | 18000 | 40/40 |
| 75 | 51888 | S XCRS | 15000 | 40/40 |

Scotch-Brite™ Clean & Strip XT Pro Extra Cut Disc XC-RD

| Diameter x Centre Hole (mm) | Part no. | Grade | Max. RPM | Qty/Case |
|-----------------------------|----------|--------|----------|----------|
| 115 x 22 | 51910 | A XCRS | 13000 | 10/10 |
| 125 x 22 | 51911 | A XCRS | 12200 | 10/10 |
| 125 x 22 (M14 Quick Change) | 51912 | A XCRS | 12200 | 10/10 |
| 178 x 22 | 51913 | A XCRS | 8500 | 10/10 |

Scotch-Brite™ Roloc™ Clean & Strip XT Pro Extra Cut Disc XC-DR

| | | | | |
|----|-------|--------|-------|-------|
| 50 | 51908 | A XCRS | 18000 | 40/40 |
| 75 | 51909 | A XCRS | 15000 | 40/40 |

Choose the disc that's right for you:

XT Pro

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



BOTH

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



XT Pro Extra Cut

- ▶ Heavy rust and 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



PREMIUM SERIES

SCOTCH-BRITE™ AL SURFACE CONDITIONING DISCS

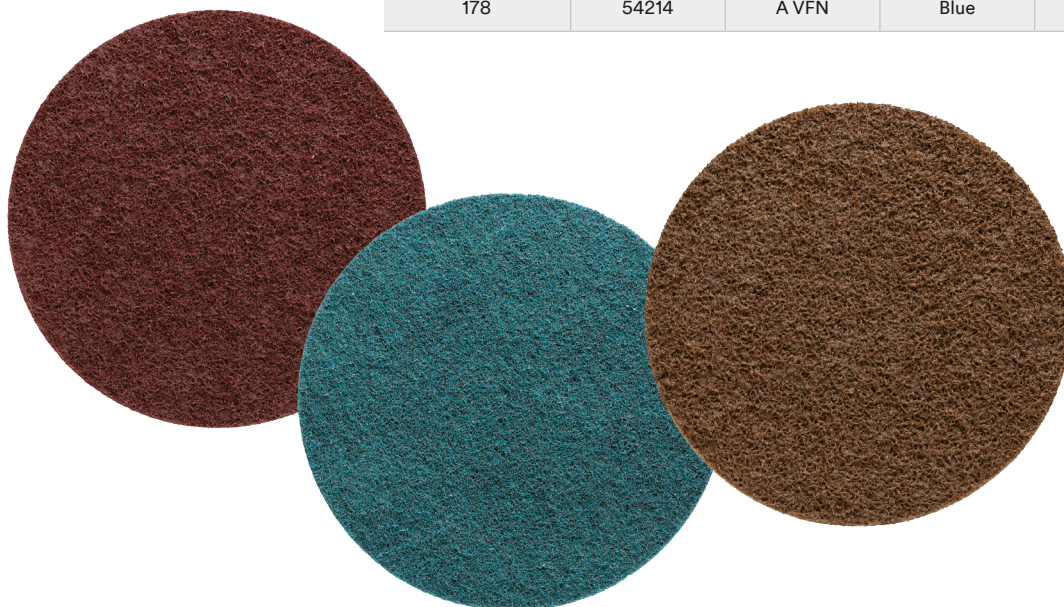
► Tech Tip

Specially formulated for use on softer metals, Scotch-Brite AL discs can be used on all metals, especially when loading is an issue.

FOR BLENDING AND FINISHING SOFT METALS

Designed specifically for fast, consistent blending and finishing of aluminium, oily carbon steel and other soft metals, Scotch-Brite AL Surface Conditioning Discs feature a unique, open-web construction that resists loading. Plus they deliver the same great quality and performance you've come to expect from the Scotch-Brite brand.

| Diameter (mm) | Part number | Grade | Colour | Max. RPM | Qty/Case |
|---------------|-------------|-------|--------|----------|----------|
| 100 | 54209 | A CRS | Brown | 10000 | 25/25 |
| 100 | 54203 | A MED | Maroon | 10000 | 25/25 |
| 100 | 54208 | A VFN | Blue | 10000 | 25/25 |
| 115 | 54219 | A CRS | Brown | 9600 | 50/50 |
| 115 | 54218 | A MED | Maroon | 9600 | 50/50 |
| 115 | 54217 | A VFN | Blue | 9600 | 50/50 |
| 125 | 54212 | A CRS | Brown | 8500 | 50/50 |
| 125 | 54215 | A MED | Maroon | 8500 | 50/50 |
| 125 | 54213 | A VFN | Blue | 8500 | 50/50 |
| 178 | 54204 | A CRS | Brown | 6000 | 25/25 |
| 178 | 54211 | A MED | Maroon | 6000 | 25/25 |
| 178 | 54214 | A VFN | Blue | 6000 | 25/25 |



DEBURRING AND FINISHING



SCOTCH-BRITE™ DEBURR & FINISH PRO UNITISED DISC DP-UD

Scotch-Brite Deburr and Finish PRO Unitised Disc is a new disc designed to make a variety of metalworking applications easier and more efficient for industrial professionals. Typically, abrasives excel in one area: deburring, finishing or blending. This multi-purpose disc is unique, because it's engineered to do all three. Multi-purpose disc presents economical alternative to cartridge rolls, flap discs, flap discs and coated discs.



Scotch-Brite™ Deburr & Finish Pro Unitised Disc DP-UD

| Diameter x centre hole (mm) | Grade | Colour | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|--------|--------|-------------|----------|-----------------------|
| 115 x 22 | 6C MED | Grey | 713542 | 12100 | 5/5 |

► Tech tip

Use for all your general surface conditioning needs. Scotch-Brite SC discs are durable enough for sharp edges, so they are ideal for use on rougher workpieces.

SCOTCH-BRITE™ SURFACE CONDITIONING DISCS

FOR GENERAL PURPOSE BLENDING

The ideal choice for general purpose surface conditioning, including finishing, cleaning and light deburring. Helps you achieve a consistent, paintable finish in fewer steps without damaging the base material. Durable open-web construction is designed to resist loading and greatly increase the life of the disc — so you don't have to change discs as often. Attaches and removes easily to 3M™ Hook-and-Loop Backup Pads.

Scotch-Brite™ Surface Conditioning Disc SC-DH

| Diameter x centre hole (mm) | Grade | Colour | Part number | Max. RPM | Quantity (inner/case) |
|-----------------------------|-------|-------------|-------------|----------|-----------------------|
| 100 x 16 | AVFN | Blue | 421223 | 15200 | 22/22 |
| 100 x 16 | AMED | Maroon | 408207 | 15200 | 22/22 |
| 100 x 16 | ACRS | Light Brown | 430399 | 15200 | 22/22 |
| 100 x 16 | Heavy | Dark Brown | 444653 | 15200 | 22/22 |
| 100 x 16 | Super | Dark Purple | 444654 | 15200 | 22/22 |
| 115 x 22 | AVFN | Blue | 60983 | 13200 | 22/22 |
| 115 x 22 | AMED | Maroon | 60982 | 13200 | 22/22 |
| 115 x 22 | ACRS | Light Brown | 60981 | 13200 | 22/22 |
| 115 x 22 | Heavy | Dark Brown | 445223 | 13200 | 22/22 |
| 115 x 22 | Super | Dark Purple | 4503443 | 13200 | 22/22 |
| 178 x 22 | AVFN | Blue | 60987 | 8500 | 22/22 |
| 178 x 22 | AMED | Maroon | 60986 | 8500 | 22/22 |
| 178 x 22 | ACRS | Light Brown | 60985 | 8500 | 22/22 |
| 178 x 22 | Heavy | Dark Brown | 445211 | 8500 | 22/22 |
| 178 x 22 | Super | Dark Purple | 445219 | 8500 | 22/22 |



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Abrasive Systems Division Customer Service Group

3M United Kingdom PLC
4th Floor, Building 8
Exchange Quay, Salford Quays
Greater Manchester M5 3EJ
Tel: 0845 504 8772
abrasives.uk@mmm.com
www.3M.co.uk/abrasives

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

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