



3M

CUBITRON™ II

Scotch-Brite™

3M™ Abrasives for Right Angle Tools

Field Guide

INTRODUCING

**Scotch-Brite™ Precision
Surface Conditioning Disc**



With Precision Shaped
Grains

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, and Scotch-Brite™ Abrasives for ease of use and consistent quality finishes.

Introducing the

ADVANCED SERIES

of right angle abrasives designed for value-priced performance!



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 minimize your abrasive spend.

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	Premium Series – 3M™ Cubitron™ II Abrasives
Consistency and ease of use – to improve surfaces without significantly changing the workpiece	Premium Series – Scotch-Brite™ Abrasives
Value-priced performance – to minimize abrasive spend while getting the job done efficiently	Advanced Series – 3M™ Abrasives

Which right angle product is best for your customer?

These general guidelines are a good starting point. Refer to the rest of the field guide for recommended products in specific applications.

What's most important?	Choose this type of abrasive product
Speed	Fibre Discs
Life	Depressed Center Grinding Wheels
Ease of Use	Flap Discs
Finish & Conformability	Scotch-Brite™ Discs

Key Application: Beveling

Depressed Center Grinding Wheels

For heavy grinding and aggressive applications when abrasive life is critical.

Fibre Discs

The fastest way to achieve a bevel. For maximum performance, try new 982CX Pro – our fastest-cutting, longest-lasting fibre disc yet!

Flap Discs

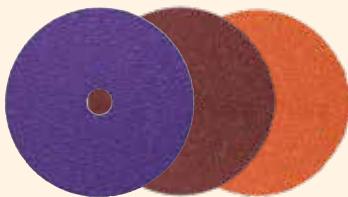
Not as fast as fibre discs, but more user-friendly. Delivers a finer finish, with less chance of gouging.

PREMIUM SERIES

TOP PERFORMANCE



**3M™ Cubitron™ II
Depressed Center
Grinding Wheels**



**3M™ Cubitron™ II
Fibre Discs 982CX Pro or 982C
for carbon steel, or 987C
for stainless steel**



**3M™ Cubitron™ II
Depressed Center
Grinding Wheels**

ADVANCED SERIES

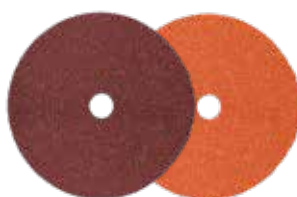
VALUE-PRICED PERFORMANCE



**3M™ Silver
Depressed Center
Grinding Wheels**



3M™ Flap Discs 769F



**3M™ Fibre Discs
782C for carbon steel or
787C for stainless steel**

Key Application:

Heavy Deburring, Slag Removal

Depressed Center Grinding Wheels

For heavy-duty jobs and large burrs that will shred most coated abrasive products.

Fibre Discs

Fast cutting on smoother surfaces. Choose 982CX Pro for even longer life and higher performance.

Flap Discs

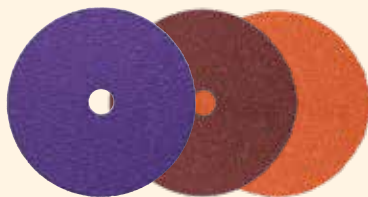
When removing an occasional large burr, flap discs will handle the job, without the necessity of changing discs.

PREMIUM SERIES

TOP PERFORMANCE



3M™ Cubitron™ II
Flap Discs 967A/969F



3M™ Cubitron™ II
Fibre Discs 982CX Pro,
982C or 987C



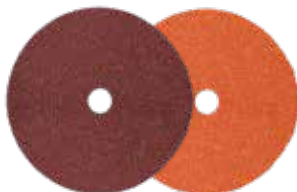
3M™ Cubitron™ II
Flap Discs 967A/969F

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Silver
Depressed Center
Grinding Wheels



3M™ Fibre Discs
782C/787C



3M™ Flap Discs 769F

Key Application:

Back Gouging

Cut & Grind Wheels

Fast, smooth cutting, with less chatter
on back gouging and root pass grinding.
Very long life.

PREMIUM SERIES

TOP PERFORMANCE



**3M™ Cubitron™ II Cut
& Grind Wheels**

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Cut & Grind Wheels

Key Application: Weld Grinding

Depressed Center Grinding Wheels

For heavy-duty weld grinding and other heavy grinding operations. Very long lasting.

Fibre Discs

When speed is key. For longer life, choose 982CX Pro – our fastest-cutting fibre disc ever.

Flap Discs

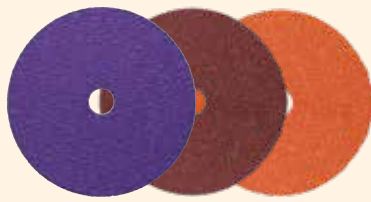
Not as fast as fibre discs, but more user-friendly. Delivers a finer finish, with less chance of gouging.

PREMIUM SERIES

TOP PERFORMANCE



3M™ Cubitron™ II
Depressed Center
Grinding Wheels



3M™ Cubitron™ II
Fibre Discs 982CX Pro,
982C or 987C



3M™ Cubitron™ II
Flap Discs 967A/969F

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Silver
Depressed Center
Grinding Wheels



3M™ Fibre Discs
782C/787C



3M™ Flap Discs 769F

Key Application:

Weld/Surface Prep



Clean & Strip Discs

Remove epoxy, protective paint, mill scale, oils, rust, oxide coatings and primers/paints to clean and prepare the surface for welding.

Flap Discs

For more aggressive rust, paint and scale removal, or when material removal/dimensioning is necessary.

Light Grinding & Blending Discs

For light-duty scale removal and surface prep where a finer finish is desired.

Precision Surface Conditioning Discs

Remove excess material and transition to surface geometry of surrounding area.

PREMIUM SERIES

TOP PERFORMANCE



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



3M™ Cubitron™ II
Flap Discs
967A/969F



Scotch-Brite™
Light Grinding &
Blending Discs


With Precision Shaped
Grains



Scotch-Brite™
Precision Surface
Conditioning Discs

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Flap Discs 769F

Key Application:

Blending/Refining



Fibre Discs

Faster cutting, but may be trickier for inexperienced operators to control. Use grades 80+ and 120+ for blending.

Flap Discs

Produce a fine finish, for blending and refining. User friendly. For an even finer finish, try Scotch-Brite™ Light Grinding & Blending Discs.

Light Grinding & Blending Discs

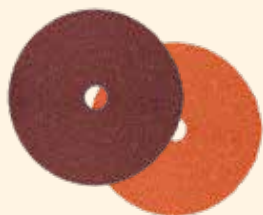
Ideal for refining grind marks and removing imperfections. Leaves a smooth, paintable finish.

Precision Surface Conditioning Discs

Removing imperfections and merge the repaired section with the surrounding surface.

PREMIUM SERIES

TOP PERFORMANCE



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



3M™ Cubitron™ II
Flap Discs
967A/969F



Scotch-Brite™ Light
Grinding & Blending
Discs

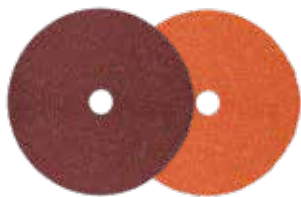

With Precision Shaped
Grains



Scotch-Brite™
Precision Surface
Conditioning Discs

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Fibre Discs
782C/787C



3M™ Flap Discs 769F

Key Application: Finishing

Light Grinding & Blending Discs

Ideal for refining grind marks and removing imperfections. Leaves a smooth, paintable finish.

Flap Discs

For finish/scratch refinement, deburring and paint prep applications that require a more aggressive cut.

Clean & Strip Discs

For cleaning and polishing stainless steel welds, removing weld burn discoloration, and cleaning/prepping mild steel prior to paint.

Precision Surface Conditioning Discs

Provide a final surface that has functional requirements or a visually appealing surface. Surface roughness reduction, removal of micro burrs, cosmetic.

PREMIUM SERIES

TOP PERFORMANCE



3M™ Cubitron™ II
Flap Discs 967A/969F



Scotch-Brite™ Light
Grinding & Blending
Discs


With Precision Shaped
Grains



Scotch-Brite™
Precision Surface
Conditioning Discs



Scotch-Brite™ Clean
& Strip XT Pro Discs

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Flap Discs 769F

Key Application: **Cutting**

Cut-Off Wheels

Fast, smooth cutting with exceptional life. Slices through all metals, including stainless, mild steel and aerospace alloys.

Cut & Grind Wheels

For especially heavy cutting. Designed to be used as both a DCGW and a cut-off wheel for outstanding versatility.

PREMIUM SERIES

TOP PERFORMANCE



**3M™ Cubitron™ II
Cut-Off Wheels**



**3M™ Cubitron™ II Cut
& Grind Wheels**

ADVANCED SERIES

VALUE-PRICED PERFORMANCE



3M™ Silver Cut-Off Wheels



3M™ Cut & Grind Wheels

Call to speak with a 3M abrasives expert: 1-866-279-1235

Warranty, Limited Remedy, and Disclaimer: 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. User is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



Abrasive Systems Division
3M Center, Building 223-6N-02
St. Paul, MN 55144-1000
1-866-279-1235
www.3M.com/abrasives

Please recycle. Printed in USA.
© 3M 2022. All rights reserved.
Issued: 03/22 17093HB
61-5002-8426-2 Rev. E

3M, Cubitron and Scotch-Brite are trademarks of 3M Company.
Used under license by 3M subsidiaries and affiliates.