3M™ Abrasives for Right Angle Tools

Field Guide
Meet the newest players in 3M’s right angle abrasives lineup

3M™ Cubitron™ II or 3M™ Fibre Discs

Life
3M™ Cubitron™ II Depressed Center Grinding Wheels

Ease-of-use
3M™ Cubitron™ II Flap Discs

Meet the newest players in 3M’s right angle abrasives lineup

3M™ Cubitron™ II Flap Disc 969F
Grind and blend in one step. A “user-friendly” flap disc for heavy duty applications.

Key Product Highlights
• Ideal for applications where fast cutting and final finish are important
• Features tough polyester backing, to hold up under demanding applications like grinding, edge deburring and beveling
• Flap construction contains more abrasive material, for longer life

* For medium duty applications, try 3M™ Cubitron™ II Flap Disc 967A

3M™ Cubitron™ II Cut-Off Wheel
Fast cutting on most metals. Now improved to outlast and out-perform our original Cubitron II Cut-Off Wheel!

Key Product Highlights
• Fast cutting on ferrous metals, stainless steels, alloy steels and cast iron
• Long-lasting
• Cool cutting

3M™ Fibre Discs 782C/787C
An unbeatable combination of performance and value

Key Product Highlights
• Made with 3M Precision-Shaped Grain, for outstanding speed and long life
• Great for grinding, weld removal, beveling and edge chamfering
• Cuts cooler, faster and longer than alumina zirconia (AZ) and conventional ceramic abrasives

3M™ Cubitron™ II Depressed Center Grinding Wheels Type Q
Tough and long-lasting

Key Product Highlights
• Ideal for heavy grinding, weld removal and burr removal on steel and stainless steel
• Long life
• Fast cutting
• Smooth-running feel

NEW
150%
100%
50%
0%

We’ve made the best – even better!

Life
Cut
100%
125%
140%
150%

*Testing done on a 5” × .045” wheel

Original Cubitron II Cut-Off Wheels*
Improved Cubitron II Cut-Off Wheels*

100%
125%
150%

NEW
IMPROVED

Which right angle product is best for your customer?

3M Cubitron II fibre discs provide a fast cut and very long life, making them an ideal choice for heavy volume production applications.

If your customer still wants a very fast cut but is price sensitive, or doesn’t need the extreme long life of a Cubitron II disc, 3M Fibre Discs 782C or 787C are ideal alternatives that outlast conventional ceramic fibre discs.*

Choosing the best fibre disc for the job

What’s the difference between 3M™ Cubitron™ II Fibre Discs and 3M™ Fibre Discs with Precision-Shaped Grain?

Use 782C for carbon steel and 787C for stainless steel and non-ferrous metals

NEW
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We’ve made the best – even better!

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**Key Product Highlights**
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3M™ Cubitron™ II Depressed Center Grinding Wheels Type Q
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Which right angle product is best for your customer?

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Choosing the best fibre disc for the job

What’s the difference between 3M™ Cubitron™ II Fibre Discs and 3M™ Fibre Discs with Precision-Shaped Grain?

3M Cubitron II fibre discs provide a fast cut and very long life, making them an ideal choice for heavy volume production applications.

If your customer still wants a very fast cut but is price sensitive, or doesn’t need the extreme long life of a Cubitron II disc, 3M Fibre Discs 782C or 787C are ideal alternatives that outlast conventional ceramic fibre discs.*
Key Application: Weld Grinding

Lead with fibre discs

3M™ Fibre Discs 782C/787C or 3M™ Cubitron™ II Fibre Discs
When speed is key. For longer life and/or higher pressure applications, try Cubitron II discs.

3M™ Cubitron™ II Flap Discs
Not as fast as fibre discs, but more user-friendly. Delivers a finer finish, with less chance of gouging.

3M™ Cubitron™ II Depressed Center Grinding Wheels
For heavy-duty weld grinding and other heavy grinding operations. Very long lasting.

Key Application: Blending

Lead with flap discs

3M™ Cubitron™ II Flap Discs
Produces a fine finish, for blending and refining. User friendly. For an even finer finish, try Scotch-Brite™ Light Grinding and Blending Disc.

3M™ Fibre Discs 782C/787C or 3M™ Cubitron™ II Fibre Discs
Faster cutting, but may be trickier for inexperienced operators to control. Use grades 80+ and 120+ for blending.
Key Application: Finishing/Surface Prep

Lead with Scotch-Brite™ Light Grinding & Blending Discs

Scotch-Brite™ Light Grinding & Blending Discs
Ideal for refining grind marks and removing imperfections. Leaves a smooth, paintable finish.

3M™ Cubitron™ II Flap Discs
For fine finish and paint prep applications that require a more aggressive cut.

Key Application: Surface Prep, Scale Removal, Weld Spatter Removal

Lead with flap discs

3M™ Cubitron™ II Flap Discs
Use 969F for heavy duty applications; 967A for medium duty.

Scotch-Brite™ Light Grinding & Blending Discs
For light duty scale/weld spatter removal and surface prep, where a finer finish is desired.
Key Application: Beveling

Lead with DCGWs

3M™ Cubitron™ II Depressed Center Grinding Wheels
When abrasive life is critical.

3M™ Cubitron™ II Flap Discs
Fast, versatile and easy to control.

3M™ Fibre Discs 782C/787C or 3M™ Cubitron™ II Fibre Discs
The fastest way to achieve a bevel.

Tip: For even longer life, teach operators to grind with less pressure when using Cubitron II products.

Key Applications: Heavy Deburring, Slag Removal

Lead with DCGWs

3M™ Cubitron™ II Depressed Center Grinding Wheels
For heavy duty jobs and large burrs that will shred most coated abrasive products.

3M™ Cubitron™ II Flap Discs
If the customer is only removing an occasional large burr, flap discs will handle the job, without the necessity of changing discs.

3M™ Fibre Discs 782C/787C or 3M™ Cubitron™ II Fibre Discs
Fastest cutting on smoother surfaces.
Key Applications: Cutting

Lead with Cut-Off wheels

3M™ Cubitron™ II Cut-Off Wheels
Fast, smooth cutting with exceptional life. Slices through all metals, including stainless, mild steel and aerospace alloys.

3M™ Cubitron™ II Cut & Grind Wheels
For especially heavy cutting.

Key Applications: Back Gouging

Lead with a Cubitron II Cut & Grind wheel

3M™ Cubitron™ II Cut & Grind Wheel
Fast, smooth cutting, with less chatter on back gouging and root pass grinding. Very long life.
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