

3M™ Cubitron™ II Fibre Disc 982C and 987C
Now available in grades 36+, 60+ and 80+



Engineered
Perfection.

Epic Performance.

CUBITRON™ II

3M

The Future is Now.

Leave conventional abrasives in the past and do more than you thought possible with Cubitron™ II Fibre Discs.

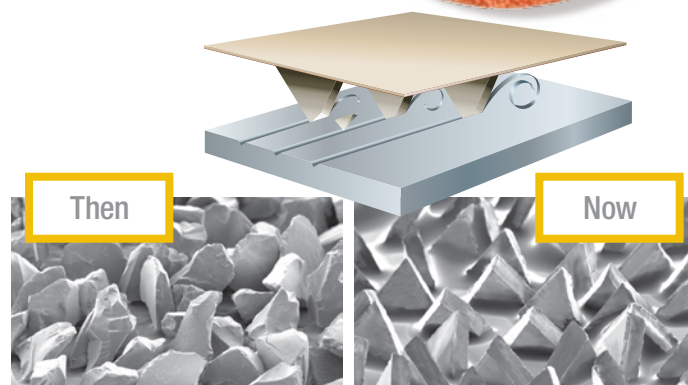
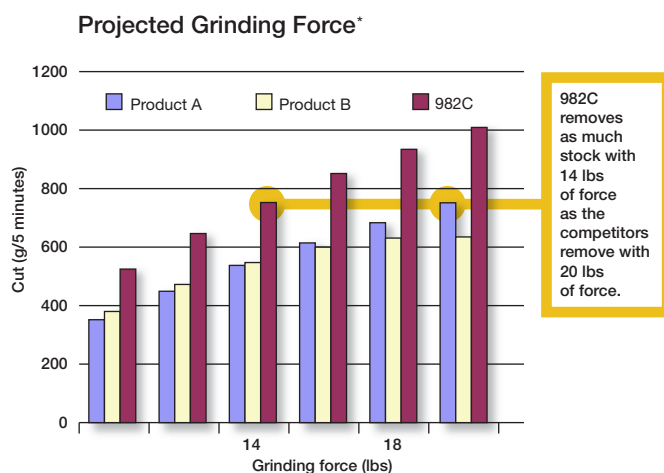
- Disc 987C: Your complete **stainless steel** solution
- Disc 982C: Your complete **carbon steel** solution

Cubitron™ II Fibre Discs are made with revolutionary 3M precision-shaped ceramic grain technology, engineered with ultra-sharp, fast-cutting points that wear evenly, run cool and optimize mineral breakdown to maximize disc life.

Get More

- More productivity
- More throughput
- More disc life
- More comfort
- More grinding speed

For Less



Triangular-shaped grain (right image) is electrostatically oriented to form sharp peaks, each acting like individual cutting tools that slice through metal, wear evenly and provide super-long life and consistency at any grinding pressure.

Unique + Grades for revolutionary products

Multiple grading systems have been created as mineral technology evolves, and Cubitron™ II abrasives are no exception.

Engineered triangular shapes can't be boxed into the screens used for grading today. Precision-shaped grain is bigger, better, faster and longer lasting than ANSI-graded abrasives thanks to the clean cut provided by the sharp minerals that cut through metal.

You can count on 3M to meet or beat your current grinding process time.

Target applications

- Weld removal
- Mill scale removal
- Removing pits and surface imperfections
- Beveling
- Edge chamfering



Cubitron™ II Fibre Disc 987C: The coolest way to increase productivity

If you work with heat-sensitive materials like stainless steel, you'll appreciate the way the 987C disc digs in and cuts faster, lasts longer and requires less grinding pressure than conventional abrasives. When you've doubled your standard part count with a single disc, you'll be tempted to get a new disc. But keep grinding. Some customers have seen up to 5 times the life.

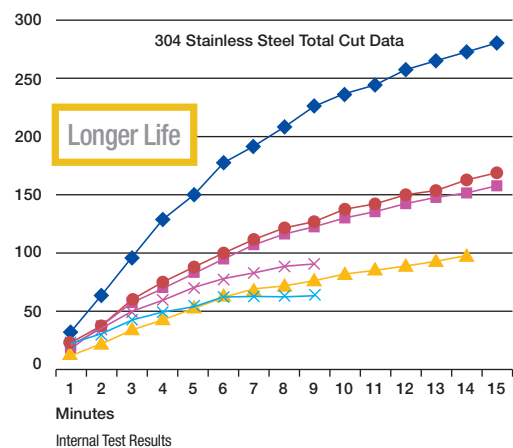
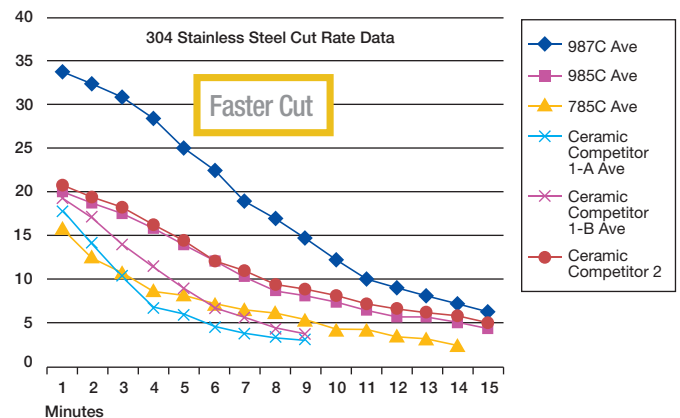
Try 987C for yourself and we'll guarantee you'll see improvement over your existing fibre disc.

987C Customer Test Results

Application	Material	Previous Disc Type	Grade Replaced	Results
Plate grinding	High Nickel Alloy	Ceramic	24	2.5 times life
Plate grinding	Stainless Steel	Ceramic	24	2 times life
Removing Mill Scale	Carbon Steel	Ceramic	36	2-4 times life
Gate removal	718 Inconel	Ceramic blend	24	2-3 times life
Weld removal	Stainless Steel	Aluminum oxide	36	5 times life

Actual results will vary based on end user manufacturing processes.

Internal Test Results





Cubitron™ II Fibre Disc 982C: Dare to wear it out

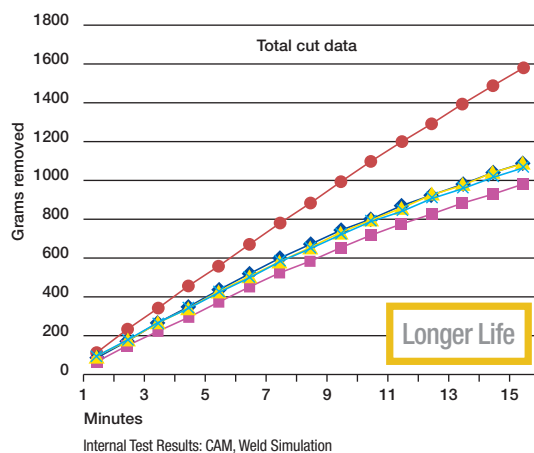
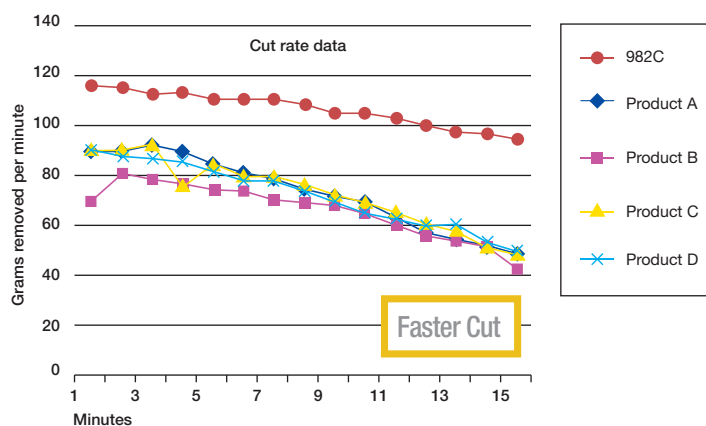


You have too much to do to settle for a disc that can't keep up. With the 982C, you get a disc that cuts faster, lasts longer and requires less grinding pressure than conventional abrasives. In fact, 982C works harder so you don't have to. Without increasing the grinding force you currently use, 3M guarantees you'll get longer life and more parts with a Cubitron™ II fibre disc.

982C Customer test results

Application	Material	Previous Disc Type	982C Results	Operator Comments
Weld (edge & flat)	carbon steel	ceramic, grade 36	2 - 3 times more life experienced by ALL operators	"Much better cut"
Flame cut	carbon steel	ceramic, grade 24	2 times life	"A lot better; cuts faster longer"
Weld prep (flat)	carbon steel	ceramic, grade 36	2 times life	"Don't have to push as hard; tougher material"
Weld removal	carbon steel	ceramic, grade 36	4 hot welds/disc	"Cuts into a hot weld where other discs won't"
Edge work	carbon steel	ceramic, grade 36	2 - 3 times life	"Got life from disc without having to push hard at the end"

Actual results will vary based on end user manufacturing processes.



CUBITRON™ II

3M

Everything you need for your toughest grinding applications on carbon or stainless steel in grades 36+, 60+ and 80+. Join the Cubitron™ II abrasive revolution and take your productivity to the next level.

Grinding

3M™ Cubitron™ II Fibre Disc 982C				
Diameter	Grade	UPC (051141-)	Max RPM	Min./Case
4 1/2" x 7/8"	36+	27400-3	13,300	25/100
	60+	27631-1		
	80+	27635-9		
4 1/2" x TN*	36+	27425-6	13,300	25/100
	60+	27639-7		
	80+	27642-7		
	36+	27401-0	12,000	25/100
	60+	27632-8		
	80+	27636-6		
5" x TN*	36+	27404-1	12,000	25/100
	60+	27640-3		
	80+	27643-4		
5" x GL*	36+	27406-5	12,000	25/100
7" x 7/8"	36+	27402-7	8,600	25/100
	60+	27633-5		
	80+	27637-3		
7" x TN*	36+	27405-8	8,600	25/100
	60+	27641-0		
	80+	27644-1		
7" x GL*	36+	27407-2	8,600	25/100
9 1/8" x 7/8"	36+	27403-4	6,600	25/100
	60+	27634-2		
	80+	27638-0		

*Quick Change Attachments. Other sizes available upon request.

3M™ Cubitron™ II Fibre Disc 987C				
Diameter	Grade	UPC (051141-)	Max RPM	Min./Case
4 1/2" x 7/8"	36+	27447-8	13,300	25/100
	60+	27653-3		
	80+	27657-1		
4 1/2" x TN*	36+	27469-0	13,300	25/100
	60+	27653-3		
	80+	27664-9		
5" x 7/8"	36+	27448-5	12,000	25/100
	60+	27654-0		
	80+	27658-8		
5" x TN*	36+	27467-6	12,000	25/100
	60+	27662-5		
	80+	27665-6		
7" x 7/8"	36+	27449-2	8,600	25/100
	60+	27655-7		
	80+	27659-5		
7" x TN*	36+	27468-3	8,600	25/100
	60+	27663-2		
	80+	27666-3		
9 1/8" x 7/8"	36+	27450-8	6,600	25/100
	60+	27656-4		
	80+	27660-1		

*Quick Change Attachments. Other sizes available upon request.

Accessories

3M™ Disc Pad Face Plates					
Diameter	Face Type	Max RPM	Hardness	UPC (051141-)	Min./Case
4 1/2"	Smooth	13,300	Hard - Black	14270-5	1/10
4 1/2"	Ribbed		Extra Hard - Red	28443-9	
5"	Ribbed	12,000	Hard - Black	81733-7	
			Extra Hard - Red	81732-0	
7"	Ribbed	8,600	Hard - Black	80515-0	
			Extra Hard - Red	80514-3	
			Hard - Black	81729-0	
9"	Ribbed	6,600	Extra Hard - Red	81728-3	

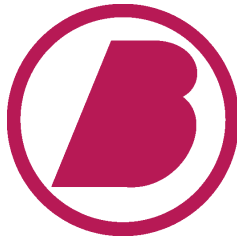
3M™ Disc Pad Hub for Short Shaft Tool				
Description	Size	Thread	UPC (051141-)	Min./Case
Can be used with all faceplates (4 1/2" - 9"). External thread compatible with 3M retainer nuts or TN Fibre Discs.	2 1/2"	3/8" - 24" internal; 5/8" - 11" external	28442-2	1/10

3M™ Disc Pad Hub			
Diameter	Description	UPC (051144-)	Min./Case
2 1/2"	Use with all size face plates	45205-7	1/10
4 1/2"	Use with 7" face plates only	45190-6	
2 1/2"	Use with all size face plates, tool shaft length 1/2" or less	88743-9	

3M™ Disc Retainer Nuts			
Depth	Description	UPC (051144-)	Min./Case
3/8"	Long tool shaft lengths	05622-4	1/10
1/2"	Medium tool shaft lengths	05621-7	
5/8"	Short tool shaft lengths	05620-0	



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Important Notice to Purchaser

Safety Information: Always read and follow all safety information included with the product. Do not exceed maximum operating RPM's. Use guards provided with machine. Follow safety operation procedures posted in work areas.

Product Use: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the 3M product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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