



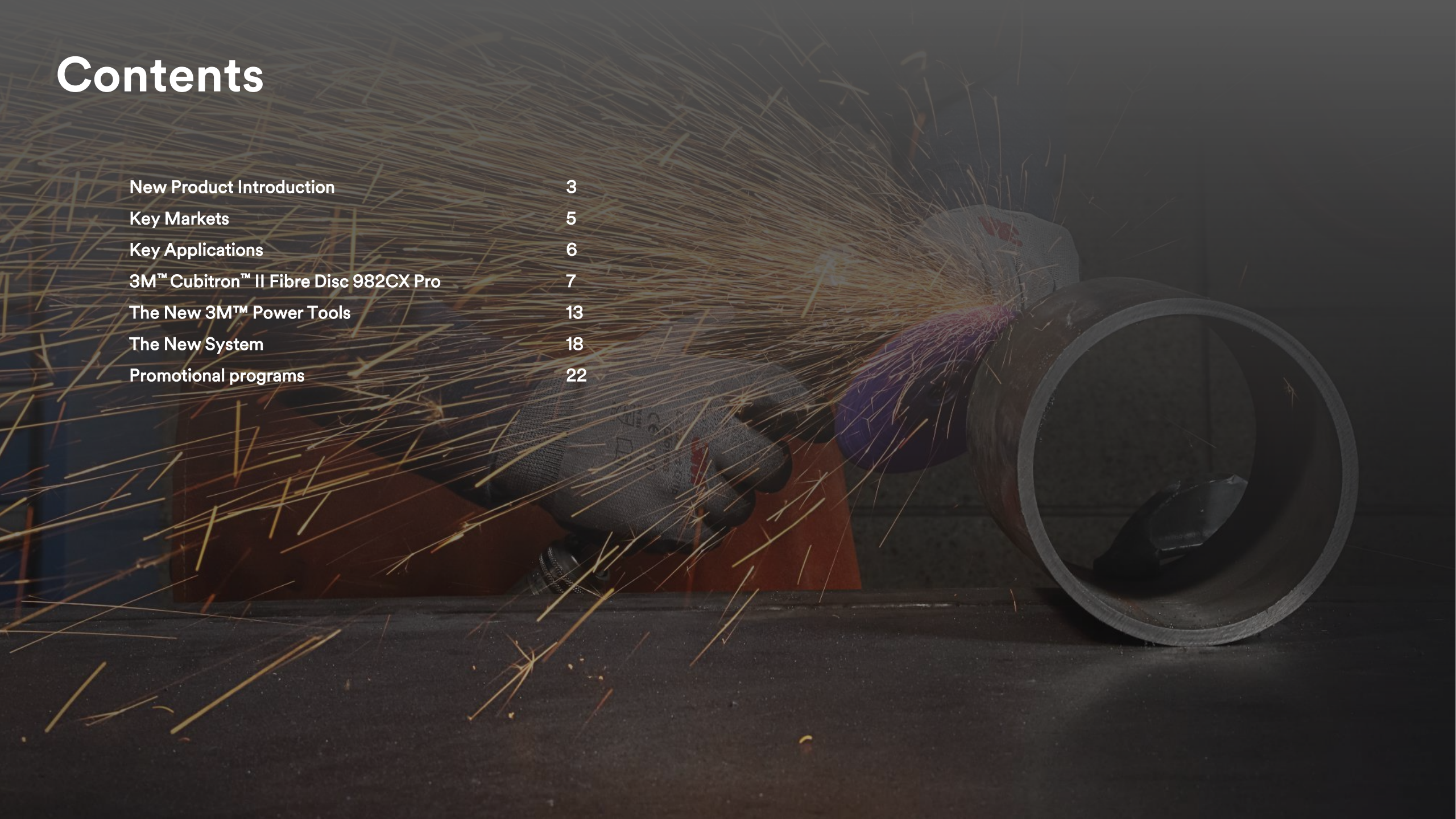
How the best get better.

New 3M™ Cubitron™ II Abrasives
and 3M™ Power Tools.

The latest innovative
3M™ Cubitron™ II Abrasives
have arrived, just in time.

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New and Improved Products

**3M™ Pneumatic Angle Grinder &
3M™ Pneumatic Sander**



**3M™ Cubitron™ II
Fibre Disc 982CX Pro**



A System of Success

Our new abrasives and tools are designed to maximize performance when used together. Each component of this unique system has been engineered to optimize life, cut rate and consistency—helping to improve productivity and lower overall costs.



Performance

Start strong with new 3M™ Cubitron™ II Fibre Discs 982CX Pro that provide faster, cooler and consistent cutting with longer life.



Power

The new 3M™ Pneumatic Tools help optimize the cut and life of our new 3M™ Cubitron™ II Fibre Discs 982CX Pro.



Productivity

Long lasting abrasives for fewer changeovers and less downtime.

3M™ Cubitron™ II Fibre Disc 982CX Pro

Key Markets

Fabricated Structural Metal



- Ship and boat building
- Rail
- Oil and gas infrastructure
- Architectural and structural steel
 - Bridges
 - Buildings

General Metalworking



- Boiler, tank and vessel
- Shipping container
- Machine shops
- Industrial equipment
- Other fabricated metal

Machinery and Equipment



- Agricultural construction
- Mining
- Industrial and general purpose machinery
- Food processing equipment
- Appliance

Secondary Markets



- MRO Facilities
- Cast Iron Foundries
- Plate Work Mfg.
- Marine & Specialty Vehicle

Key Applications for 3M™ Cubitron™ II Fibre Disc 982CX Pro

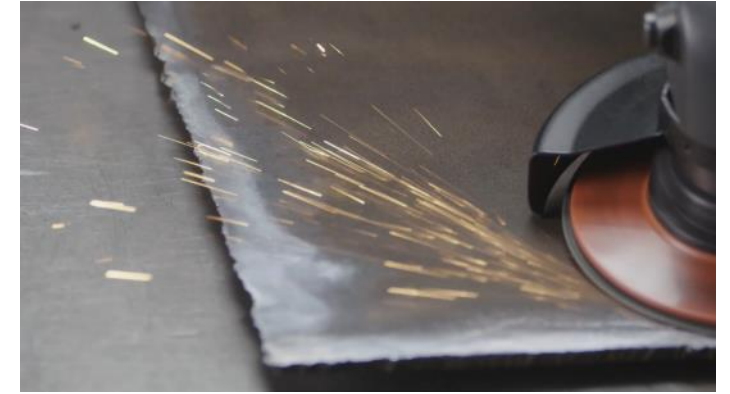
Weld Grinding



Beveling / Chamfering



Heavy Deburring



- Designed for heavy metal removal
- For use on carbon steel (does not contain a grinding aid)
- Available in grade 36+



**The New 3M™ Cubitron™ II
Fibre Disc 982CX Pro**

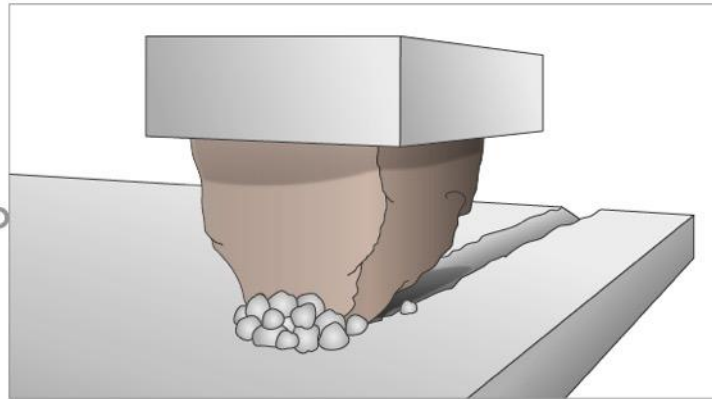
3M™ Cubitron™ II Fibre Disc 982CX Pro, 36+

- ▶ Cuts 33% faster than 3M™ Cubitron™ II Fibre Disc 982C*
- ▶ Features re-engineered 3M Precision-Shaped Grain
- ▶ Removes 31% more material than 3M™ Cubitron™ II Fibre Disc 982C*
- ▶ Produces more parts per disc, with fewer change-outs
- ▶ Excels in carbon steel applications
- ▶ Less pressure required by operator helps reduce operator fatigue
- ▶ INOX and contaminate free



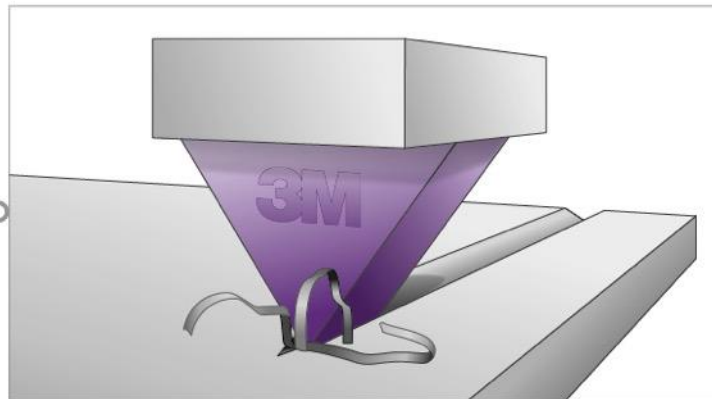
*Results based on an automated, 11 minute test on 1018 steel using 3M™ Cubitron™ II Fibre Disc 982CX Pro, 7 inch disc and 3M™ Disc Pad Face Plate Ribbed 80514 on a servo motor.

3M Precision-Shaped Grain Re-engineered



Conventional ceramic abrasive

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



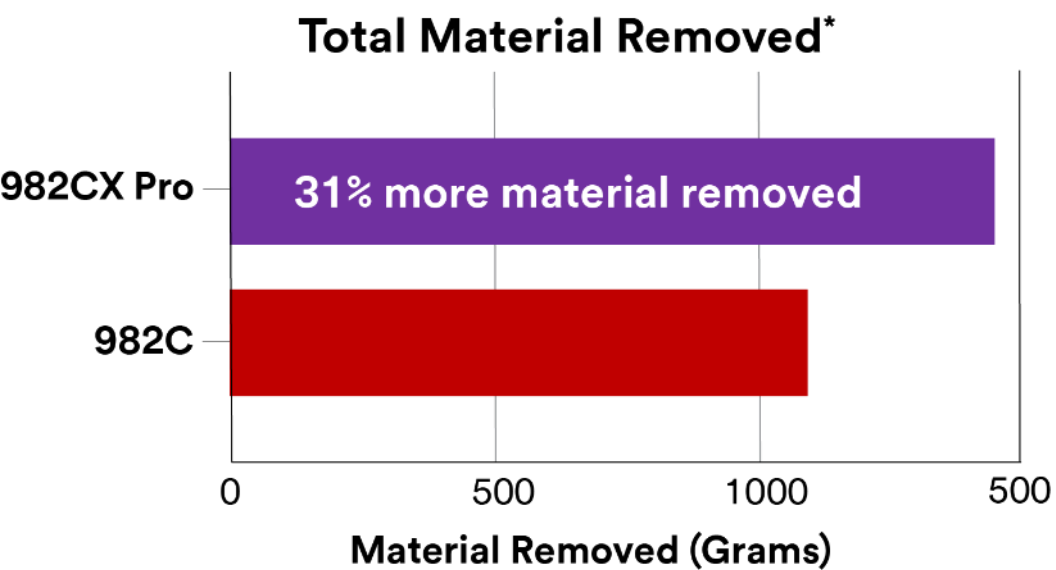
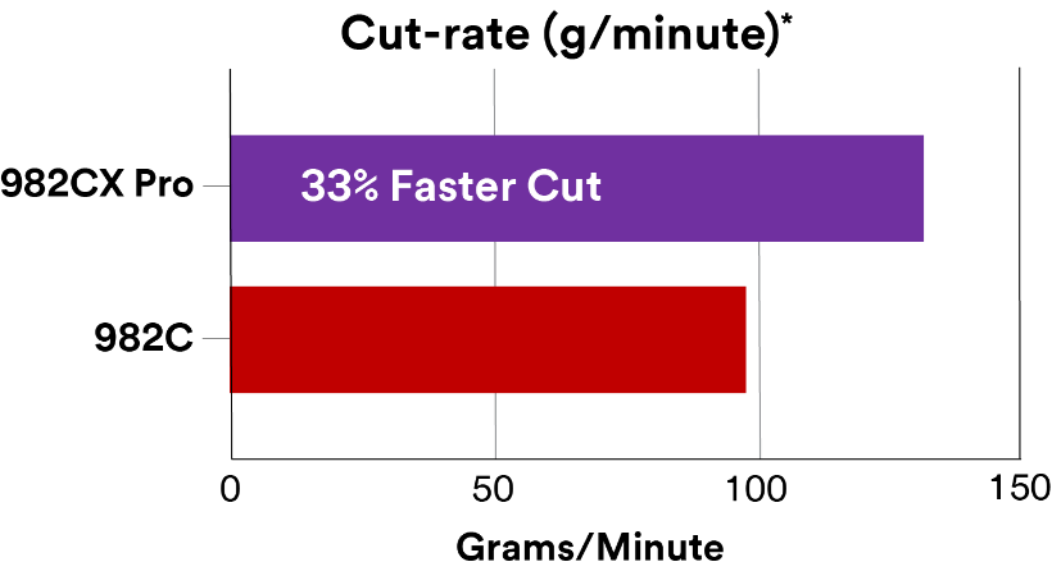
3M Precision-Shaped Grain

3M pioneered the first precision-shaped grain using 3M microreplication technology to form consistent sharp peaks that easily “slice” through metal - cutting cooler, faster, and lasting longer than conventional abrasive grain.

Features and Benefits

	Features	Advantages	Benefits
Mineral	Re-engineered 3M Precision-Shaped Grain	Faster cut rates than 3M™ Cubitron™ II Fibre Disc 982C	Improved productivity
		Longer sustained cut rates	Greater abrasive life
		Improved life	Less abrasive spend
		Consistent performance	Consistent, reliable performance
		Less pressure required	Designed to help reduce operator fatigue
Coating	INOX & Contaminate Free	Avoids contaminates from the abrasive embedding in substrates	Reduces downstream contamination risk

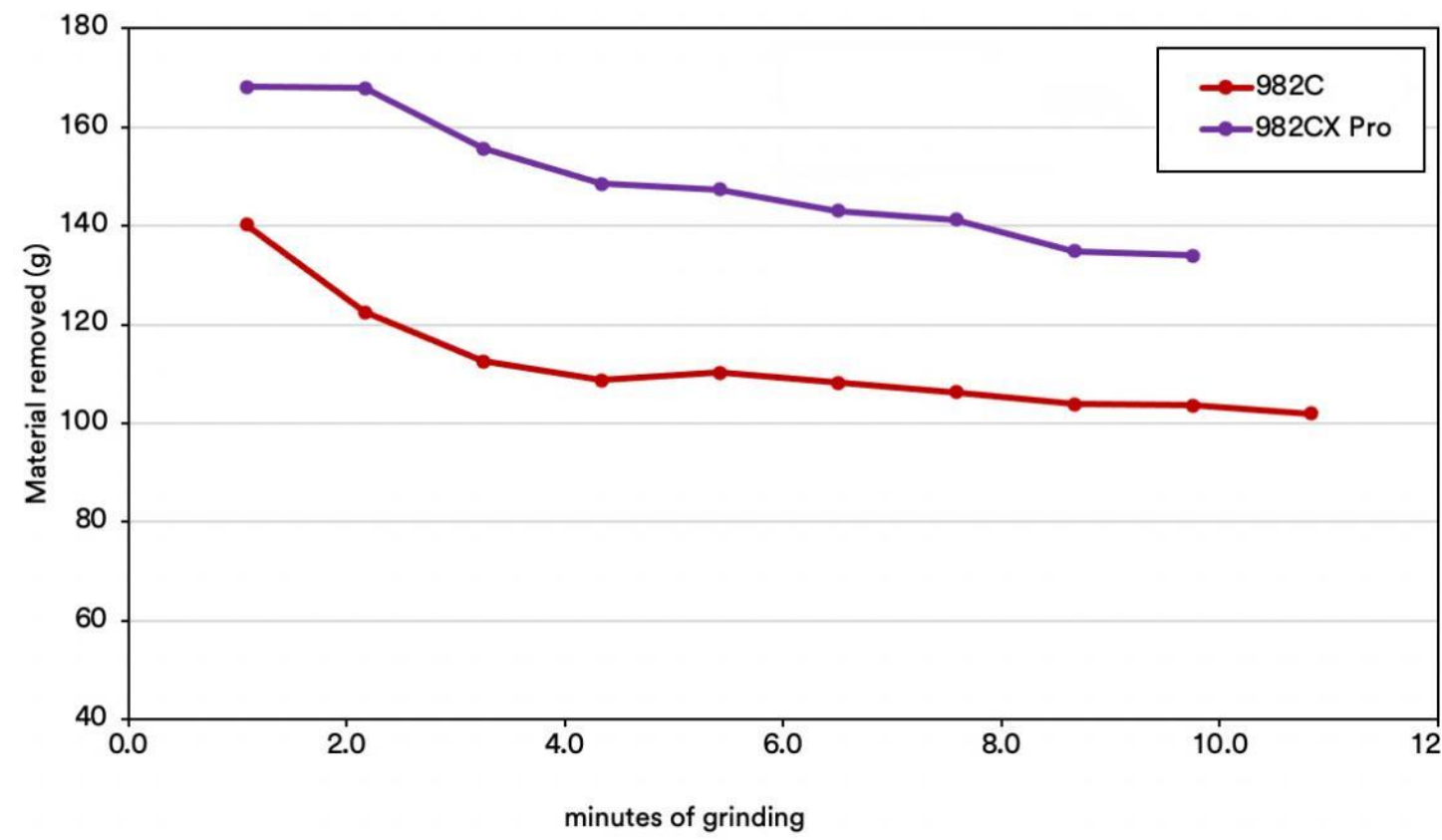
Cuts Faster and Cuts More



*Results based on an automated, 11 minute test on 1018 steel using 3M™ Cubitron™ II Fibre Disc 982CX Pro, 7 inch disc and 3M™ Disc Pad Face Plate Ribbed 80514 on a servo motor.

Sustained Cut

30%
Better
than 3M™ Cubitron™ II
982C*



*Results based on an automated, 11 minute test on 1018 steel using 3M™ Cubitron™ II Fibre Disc 982CX Pro, 7 inch disc and 3M™ Disc Pad Face Plate Ribbed 80514 on a servo motor.



The New 3M™ Power Tools

New 3M™ Pneumatic Angle Grinder and 3M™ Pneumatic Sander

These powerful tools feature superior performance and world-class ergonomic designs. They're built with robust components for durability and reliability in the harshest industrial conditions.



3M™ Pneumatic Angle Grinder

Adjustable guard

- ▶ 1.5HP (1100 W Power)
- ▶ Wheel autobalancer
- ▶ Spindle lock
- ▶ Vibration-reducing side handle
- ▶ Available accessories provide maximum functionality and flexibility



**Not for use with abrasives that require a guard.*

3M™ Pneumatic Sander






Get the system advantage.

When you combine our new pneumatic tools with the new 3M™ Cubitron™ II Fibre Discs 982CX Pro and our disc pad face plates and hubs, you're setting yourself up to a new level of productivity. Each component of this system has been engineered to optimize life, cut rate and consistency—helping to improve productivity and lower overall costs.

3M™ Power Tools & Accessories



UPC	Tool Dia. In. (mm)	Motor HP (W)	Max RPM	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length In. (mm)	Height In. (mm)	Air Inlet Thread	Thread Size
3M™ Pneumatic Angle Grinder									
06-38060-88566-6	115-125 (4.5-5.0)	1.5 (1100)	12,000	43 (1.2)	5.3 (2.4)	11.0 (279)	105 (4.0)	3/8 NPT	3/4-11
3M™ Pneumatic Sander									
06-38060-88577-2	115-125 (4.5-5.0)	1.5 (1100)	12,000	43 (1.2)	4.9 (2.2)	11.0 (279)	105 (4.0)	3/8 NPT	3/4-11

Accessories	UPC	Diameter (Inches)	Max RPM	Min/Case
	3M™ Disc Pad Face Plate—Extra Hard (Red-Ribbed)			
	051141-28443-9	4 1/2	13,300	10
	051141-81732-0	5	12,000	10
	051144-80514-3	7	8,600	10
	3M™ Disc Pad Hub			
	051144-88743-9	2 1/2 x 3/8-11	N/A	10
	3M™ Disc Retainer Nut			
	051144-51047-6	3/8 Depth x 3/8-11	N/A	10

For 3M™ Power
Tool Warranty and
Repair Service, call
1-800-362-3550

For industrial/
occupational use only.
Not for consumer
sale or use.

New 3M™ Pneumatic Angle Grinder and 3M™ Pneumatic Sander Comparison



Grinder

Equipped with a guard

Used with most right-angle products. Grinding wheels, flap, fiber, and non-woven.

Same Body.
Difference is guard inclusion.



Sander

Not equipped with a guard

Used with fibre discs and other products that do not require a guard. Guard may be added.

New 3M™ Power Tool Repair and Refurbish Service

Free repair of tools under warranty, which is 1 year from end user's purchase date.

3M™ Power Tool Repair and Refurbish Service

For tools that fall outside the manufacturer's warranty (e.g. after the warranty period has expired, or when the damage is due to use and wear), 3M is pleased to offer the 3M™ Power Tool Repair and Refurbish Service. 3M™ Power Tool Repair Experts will perform a full diagnostic analysis, replace any worn parts, and restore the tool to excellent working condition, all for one flat rate. Available for all 3M™ Power Tools except pistol grip tools 28547, 28353 and 28354; 3M Body Repair Tools 33573, 33575, 33579, 33581 and 33577; 3M™ PPS™ SUN GUN™ II 16550; and 3M™ Polisher 28363. Program highlights include:

- Fast turnaround (5 days + shipping time)
- Tool is rebuilt by the 3M™ Power Tool Repair Experts in Cumberland, Wisconsin
- Flat rate includes return shipping
- 90 day warranty on repaired tool

For more information, contact your 3M sales professional or call 1-800-362-3550 (choose option 3, then option 5 which will put you in direct contact with the 3M™ Power Tools Repair Facility).

Spare parts are also available for customers who elect to self-repair.



The New System

The New System

Product	UPC	Diameter (Inches)	Max RPM	Min/Case
3M™ Cubitron™ II Fibre Disc 982CX Pro, Grade 36+				
	06-38060-83330-8	4 × ⅝	15,000	25/100
	06-38060-83328-5	4 × ⅞	15,000	25/100
	06-38060-83313-1	4 ½ × ⅞	13,300	25/100
	06-38060-83314-8	5 × ⅞	12,000	25/100
	06-38060-83327-8	6 × ⅞	10,000	25/100
	06-38060-83315-5	7 × ⅞	8,600	25/100
	06-38060-83316-2	9 ⅝ × ⅞	6,600	25/100
TN Quick Change				
	06-38060-83320-9	4 ½ × ⅝-11	13,300	25/100
	06-38060-83317-9	5 × ⅝-11	12,000	25/100
	06-38060-83331-5	7 × ⅝-11	8,600	25/100
GL Quick Change				
	06-38060-83329-2	4 ½ × ⅝-11	13,300	25/100
	06-38060-83318-6	5 × ⅝-11	12,000	25/100
	06-38060-83319-3	7 × ⅝-11	8,600	25/100
3M™ Disc Pad Face Plate—Extra Hard (Red-Ribbed)				
	051141-28443-9	4 ½	13,300	10
	051141-81732-0	5	12,000	10
	051144-80514-3	7	8,600	10
3M™ Disc Pad Hub				
	051144-88743-9	2 ½ × ⅝-11	N/A	10
3M™ Disc Retainer Nut				
	051144-51047-6	⅝ Depth × ⅝-11	N/A	10

Product	UPC	Tool Dia. In. (mm)	Motor HP (W)	Max RPM	Airflow Rate SCFM (LPM)	Weight Pound (kg)	Length In. (mm)	Height In. (mm)	Air Inlet Thread	Thread Size
3M™ Pneumatic Angle Grinder										
	06-38060-88566-6	115-125 (4.5-5.0)	1.5 (1100)	12,000	43 (1.2)	5.3 (2.4)	11.0 (279)	105 (4.0)	⅜ NPT	⅝-11
3M™ Pneumatic Sander (Not for use with abrasives that require a guard.)										
	06-38060-88577-2	115-125 (4.5-5.0)	1.5 (1100)	12,000	43 (1.2)	4.9 (2.2)	11.0 (279)	105 (4.0)	⅜ NPT	⅝-11

**3M™ Cubitron™ II Fibre Disc 982CX Pro
Tools and Accessories**

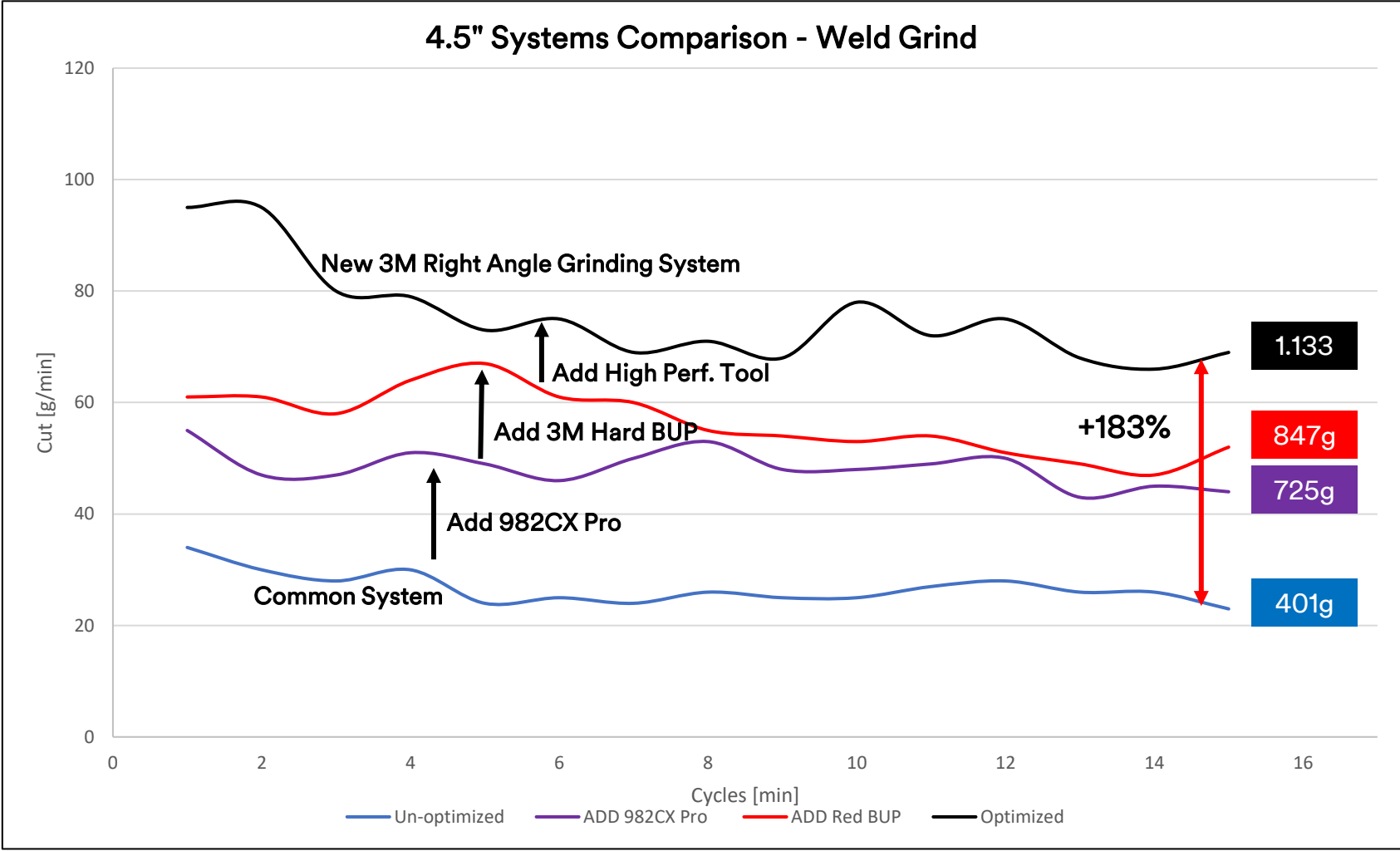
3M Recommended System for Optimized Performance

For optimal performance with 3M™ Cubitron™ II Fibre Disc 982CX Pro, grade 36+

	4.5"	5"	7"
Tool	NEW - 3M™ Pneumatic Angle Grinder or Sander - 1.5hp 13 amp 1,300 – 1,500 W	1.5 - 2.5 hp 13 amp -15 amp 1,500 - 1,900 W	3+ hp 15 amp 1,900+ W
Plate	<ul style="list-style-type: none">• 3M™ Disc Pad Face Plate - Extra Hard (red-ribbed)• 3M™ Disc Pad Hub	<ul style="list-style-type: none">• 3M™ Disc Pad Face Plate - Extra Hard (red-ribbed)• 3M™ Disc Pad Hub	<ul style="list-style-type: none">• 3M™ Disc Pad Face Plate - Extra Hard (red-ribbed)• 3M™ Disc Pad Hub
Speed	11,000 to 13,000 rpm	11,000-12,000 rpm	6,000-8,000 rpm

*These values can be used as a general rule. Parameters can be further optimized based on applications
Always confirm operating parameters are with the safety specifications of the abrasive product*

Use the Right System





Promotional Programs

Promotional Programs

3M Abrasive Systems Tool Agreement



Trade-in or Trade-up



Clash of the Grinders





Thank you!