



Science.  
Applied to Life.™

NEW! 3M™ Cubitron™ II  
Flexible Grinding Wheels

# Built to go the distance.

The world's first flexible grinding wheel featuring 3M's revolutionary precision shaped grain. Designed to outperform and outlast other flexible grinding wheels!



NEW! 3M™ Cubitron™ II Flexible Grinding Wheels

# The Gold Standard of grinding performance & productivity

**Designed to keep on going — long after other abrasives have called it quits.**

Get ready to take your productivity to the next level! Now you can grind more parts per hour — with fewer wheel changes and less pressure on the workpiece — with new 3M™ Cubitron™ II Flexible Grinding Wheels.

Cubitron II Flexible Grinding Wheels provide a faster cut and less than half the wear of our next-best flexible grinding wheel. They meet or exceed AS and EN manufacturing & safety requirements. When you add it all up, Cubitron II Flexible Grinding Wheels represent an outstanding value that can save you time and money!

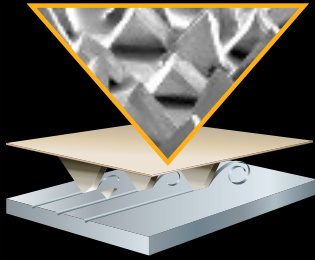
What's the secret? 3M's revolutionary precision-shaped ceramic grain technology — an advanced abrasive construction featuring microreplicated shapes that slice through metal to cut faster, last longer & run cooler than conventional abrasives.

## Ideal for:

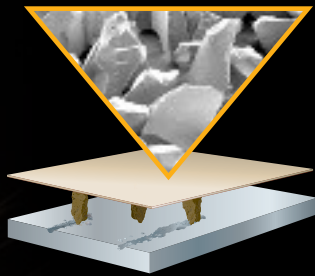
- Grinding
- Blending
- Beveling
- Deburring
- ...and more!



## How 3M precision-shaped grain technology works:



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.

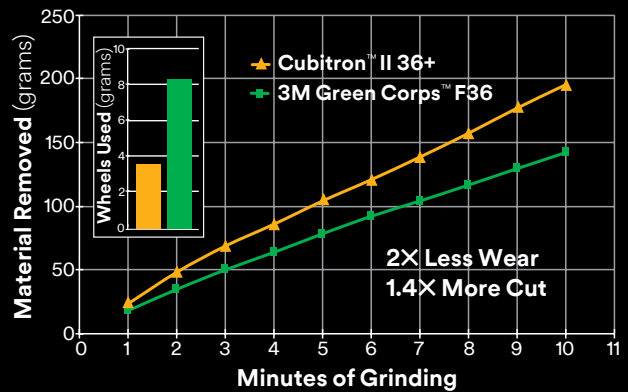


Conventional ceramic abrasive grain tends to “plough” through the metal, causing heat to build up in the workpiece and the abrasive — resulting in a slower cut and shorter disc life.

## What 3M precision-shaped grain technology means for you:

- **Faster cut** — lets you produce more parts per hour
- **Longer life** — for a lower cost per grind
- **Requires less pressure** — allows the abrasive to do more of the hard work
- **Less vibration** — easier to use; smooth running
- **Cool running** — fewer rejects, less heat stress on heat sensitive metals

### More cut — longer life



Data from internal testing on 1018 mild steel using 100mm flexible grinding wheels

### Smooth running

Vibration Testing (internal testing)	Vibration Measurement (m/s <sup>2</sup> )	
	Idle	Engaged
3M Cubitron II Flexible Grinding Wheel	1.1	1.8
3M Cubitron II Rigid DCGW-Q	3.0	3.2

Data from internal testing on 1018 mild steel using 180mm flexible grinding wheels





## NEW! 3M™ Cubitron™ II Flexible Grinding Wheels

### Ordering Information – 3M™ Cubitron™ II Flexible Grinding Wheels

Size	Stock Number	Part Number	Grade	Max RPM	Qty Box/Case
100 × 3 × 16mm	XC002071725	PN14437	36+	15,300	20/200
100 × 2.5 × 16mm	XC002071733	PN14438	60+	15,300	20/200
100 × 2.5 × 16mm	XC002071741	PN14439	80+	15,300	20/200
115 × 3 × 22.23mm	XC002071758	PN14440	36+	13,300	50/200
115 × 3 × 22.23mm	XC002071766	PN14441	60+	13,300	50/200
115 × 3 × 22.23mm	XC002071774	PN14442	80+	13,300	50/200
125 × 3 × 22.23mm	XC002071782	PN14443	36+	12,250	50/200
125 × 3 × 22.23mm	XC002071790	PN14444	60+	12,250	50/200
125 × 3 × 22.23mm	XC002071808	PN14445	80+	12,250	50/200
180 × 4 × 22.23mm	XC002071816	PN14446	36+	8,500	20/100
180 × 4 × 22.23mm	XC002071824	PN14447	60+	8,500	20/100

### Accessories

#### – Back Up Pad for Flexible Grinding Wheels

Size	Stock Number
For 100mm Discs	XC002510276
For 115mm & 125mm Discs	XC002038252
For 180mm Discs	XC002038278

**For safety, optimum performance and durability, use the 3M back-up pad with all flexible grinding wheels.**

Product Use: All statements, technical information and recommendations contained in this document are based on 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 conditions under which the 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 other than those already stated by 3M, and suitable for the user's method of application.

Limitation of Liability: Except where prohibited by law, 3M and seller 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.



3M Australia Pty Ltd  
Abrasive Systems Division  
Bldg A, 1 Rivett Road  
North Ryde NSW 2113

www.3M.com.au

3M New Zealand Ltd  
Abrasive Systems Division  
94 Apollo Drive, Rosedale  
Auckland 0632

www.3M.co.nz

3M, Cubitron and Green Corps are trademarks of 3M Company.  
Please recycle. Printed in Australia  
© 3M 2017. All rights reserved.  
AV011456728