



**Cubitron™ 3**  
Performance Abrasives

## Grinding & Cut-Off Wheels



# Product Transition Guide

A simple reference document to support the transition to a new upgraded range of products.

For over 40 years, 3M™ Cubitron™ Performance Abrasives have always delivered maximum productivity, but now the best have gotten even better! Introducing 3M™ Cubitron™ 3 Performance Abrasives — the next generation of awesome.

Our new product line uses groundbreaking advancements in precision-shaped grain to deliver 3X the performance in life and cut rate than ever before. Discover the difference with 3M™ Cubitron™ 3 Performance Abrasives and experience improvements in all areas of your shop through productivity, worker safety and sustainability.



Productivity



Worker Safety



Sustainability

# Our grinding & cut-off wheels have evolved.



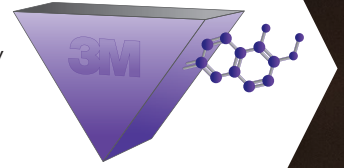
Launched in 2012, this was the first range of cutting and grinding products using 3M's precision-shaped triangular grain abrasives.

This range will now be replaced by our latest and best offering.



Significantly raising the benchmark for cut rate and product life in heavy grinding and cutting applications.

We've re-engineered precision-shaped ceramic triangular grain using proprietary breakthroughs in molecular bonding technology.



## Up to 3X longer lasting.

Responding to industry requirements for better abrasive productivity, worker safety and sustainability, 3M has developed abrasive wheel technologies that make grinding & cut-off wheels work even faster and last even longer than our current best performing range. Performance is so good compared to existing 3M™ Cubitron™ II Performance Abrasives that we've established a new generation of products called 3M™ Cubitron™ 3 Performance Abrasives.

## Upgrade your Grinding & Cut-Off Wheels to 3M™ Cubitron™ 3 now.

To maximize simplicity and value to our customers, the current 3M™ Cubitron™ II Grinding & Cut-Off Wheels range will be replaced by 3M™ Cubitron™ 3 Performance Abrasives. Customers will benefit from a wider product choice, better performance and optimized sustainability with no change in list price.

## What's New

### 3M™ Cubitron™ 3 Depressed Center Grinding Wheels



**+50%**  
Longer Life

vs. 3M™ Cubitron™ II

**+14%**  
Faster Cut

vs. 3M™ Cubitron™ II

### 3M™ Cubitron™ 3 Cut-Off Wheels



**3X**  
Longer Life

vs. 3M™ Cubitron™ II

**+10%**  
Faster Cut

vs. 3M™ Cubitron™ II



#### Performance Enhancing Packaging

When cut-off wheels are properly protected from atmospheric moisture, product life can be extended. All 3M™ Cubitron™ 3 Cut-Off Wheels will come in re-sealable, moisture resistant bags.

### 3M™ Cubitron™ 3 Cut & Grind Wheels

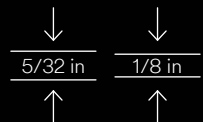
Here we've reformulated wheel composition to offer even better balance and a smoother action while maintaining best in class performance.



#### Range Expansion

Options for a thinner and faster cut:

1. Current thickness (4.2mm) to be labeled as 5/32 in (previously labeled 1/8 in)
2. Addition of a new thinner wheel (3.2mm) to be labeled as 1/8 in



# Product Transition Cross Reference Chart

Wheel	Type	Diam. (in.)	Thickness (in.)	Center Hole (in.)	Discontinued 3M™ Cubitron™ II Wheels			Suggested Replacement 3M™ Cubitron™ 3 Wheels			
					Part No.	3M Stock No.	UPC	Part No.	3M Stock No.	UPC	Case Qty.
Cut & Grind Wheels	T27 thin	4.5	1/8	7/8	New!			89157	7100305149	00638060891575	20
	T27 thin	5	1/8	7/8	New!			89160	7100305151	00638060891605	20
	T27 thin	6	1/8	7/8	New!			89162	7100313586	00638060891629	20
	T27 thin	7	1/8	7/8	New!			89163	7100313588	00638060891636	20
	T27 thin	9	1/8	7/8	New!			89164	7100313759	00638060891643	20
	T27 thin QC	4.5	1/8	5/8-11	New!			89158	7100313760	00638060891582	10
	T27 thin QC	5	1/8	5/8-11	New!			88990	7100313204	00638060889909	10
	T27 thin QC	6	1/8	5/8-11	New!			88991	7100313205	00638060889916	10
	T27 thin QC	7	1/8	5/8-11	New!			88992	7100313195	00638060889923	10
	T27 thin QC	9	1/8	5/8-11	New!			88993	7100313197	00638060889930	10
	T27	4	5/32	3/8	82276	7100019056	04046719822768	90012	7100305152	00638060900123	20
	T27	4	5/32	5/8	New!			90013	7100305443	00638060900130	20
	T27	4.5	5/32	7/8	82279	7100019243	04046719822799	90014	7100303968	00638060900147	20
	T27	5	5/32	7/8	82278	7100019244	04046719822782	90018	7100305444	00638060900185	20
	T27	6	5/32	7/8	28758	7100019067	00051141287584	90019	7100313552	00638060900192	20
	T27	7	5/32	7/8	28760	7100019072	00051141287607	90021	7100313206	00638060900215	20
	T27	9	5/32	7/8	28761	7100019075	00051141287614	90023	7100313199	00638060900239	20
	T27 QC	4.5	5/32	5/8-11	28762	7100245018	00051141287621	90016	7100313194	00638060900161	10
	T27 QC	5	5/32	5/8-11	28763	7100247112	00051141287638	90017	7100313550	00638060900178	10
	T27 QC	6	5/32	5/8-11	28764	7100247110	00051141287645	90020	7100313196	00638060900208	10
T27 QC	7	5/32	5/8-11	28765	7100019074	00051141287652	90022	7100313551	00638060900222	10	
T27 QC	9	5/32	5/8-11	28766	7100019076	00051141287669	90024	7100313203	00638060900246	10	
Cut-Off Wheels	T1	3	0.035	1/4	66513	7100094770	00051115665134	90030	7100303860	00638060900307	50
	T1	3	0.035	3/8	66514	7100094771	00051115665141	90031	7100303859	00638060900314	50
	T1	3	0.045	3/8	66516	7000119639	00051115665165	90032	7100303858	00638060900321	50
	T1	4	0.035	3/8	66518	7100094773	00051115665189	90033	7100303857	00638060900338	50
	T1	4	0.06	3/8	66520	7100228449	00051115665202	90034	7100304004	00638060900345	50
	T1	4	0.125	3/8	66524	7100228885	00051115665240	90035	7100304005	00638060900352	50
	T1	4.5	0.04	7/8	86929	7100094781	00051125869294	90051	7100304307	00638060900512	50
	T1	4.5	0.045	7/8	66525	7100228953	00051115665257	90036	7100304006	00638060900369	50
	T1	5	0.045	7/8	66526	7100228960	00051115665264	90037	7100304007	00638060900376	50
	T1	6	0.045	7/8	66527	7100098146	00051115665271	90038	7100313190	00638060900383	50
	T1	7	0.045	7/8	66528	7100098145	00051115665288	90039	7100313189	00638060900390	50
	T27	4.5	0.04	7/8	86946	7100094783	00051125869461	90053	7100304308	00638060900536	50
	T27	4.5	0.045	7/8	66531	7100228956	00051115665318	90041	7100304008	00638060900413	50
	T27	4.5	0.125	7/8	66535	7100231331	00051115665356	90044	7100304009	00638060900444	50
	T27	5	0.045	7/8	66537	7100228959	00051115665370	90045	7100304010	00638060900451	50
	T27	5	0.09	7/8	66539	7100228957	00051115665394	90046	7100304011	00638060900468	50
	T27	6	0.045	7/8	66541	7100098316	00051115665417	90048	7100313201	00638060900482	50
	T27	7	0.09	7/8	66543	7000119653	00051115665431	90050	7100313191	00638060900505	50
	T27 QC	4.5	0.125	5/8-11	66534	7100245008	00051115665349	90043	7100313187	00638060900437	10
	T27 QC	4.5	0.09	5/8-11	66532	7100247111	00051115665325	90042	7100313200	00638060900420	10
T27 QC	4.5	0.045	5/8-11	66530	7100245010	00051115665301	90040	7100313192	00638060900406	10	
T27 QC	6	0.045	5/8-11	66540	7100245009	00051115665400	90047	7100313188	00638060900475	10	
T27 QC	7	0.09	5/8-11	66542	7000119652	00051115665424	90049	7100312963	00638060900499	10	
Depressed Center Grinding Wheels	T27	4	1/4	3/8	78469	7100086893	00051115784699	90001	7100303965	00638060900017	20
	T27	4	1/4	5/8	New!			88989	7100303964	00638060889893	20
	T27	4.5	1/4	7/8	78466	7100086894	00051115784668	90003	7100303966	00638060900031	20
	T27	5	1/4	7/8	78467	7100095557	00051115784675	90007	7100303967	00638060900079	20
	T27	6	1/4	7/8	64314	7100094061	00076308643140	90005	7100313193	00638060900055	20
	T27	7	1/4	7/8	64315	7100094062	00076308643157	90008	7100313198	00638060900086	20
	T27	9	1/4	7/8	64316	7100094063	00076308643164	90010	7100313202	00638060900109	20
	T27 QC	4.5	1/4	5/8-11	64320	7100244823	00076308643201	90002	7100312968	00638060900024	10
	T27 QC	5	1/4	5/8-11	64317	7100244819	00076308643171	90004	7100312967	00638060900048	10
	T27 QC	6	1/4	5/8-11	64318	7100244820	00076308643188	90006	7100312966	00638060900062	10
	T27 QC	7	1/4	5/8-11	64319	7100103317	00076308643195	90009	7100312965	00638060900093	10
	T27 QC	9	1/4	5/8-11	87153	7100103313	00051125871532	90011	7100312964	00638060900116	10
Single Packs	CGW T27 QC	6	5/32	5/8-11	New!			66200	7100316747	00068060662002	10
	CGW T27 thin QC	6	1/8	5/8-11	New!			66201	7100317773	00068060662019	10
	DCGW T27	4.5	1/4	7/8	87209	7010299049	00051125872096	66203	7100317727	00068060662033	10
	DCGW T27 QC	4.5	1/4	5/8-11	87208	7100259904	00051125872089	66202	7100316886	00068060662026	10
	COW T27	4.5	0.045	7/8	64999	7100094440	00048011649993	66199	7100317566	00068060661999	10
COW T27	6	0.045	7/8	87152	7100119177	00051125871525	66198	7100317466	00068060661982	10	

Labelled thickness changed from 0.060" to 0.045"

When will the new 3M™ Cubitron™ 3 Performance Abrasives replacement products be available?	3M™ Cubitron™ 3 Performance Abrasives will be available to our distribution partners from November 2023.
When will the discontinued 3M™ Cubitron™ II Performance Abrasives stop being supplied?	3M recommends switching to the new products as a priority as soon as they become available. Based on typical demand patterns, 3M anticipates stocks of some items will start to run out in November 2023.
How can customers access the new products to trial first?	Based on our own internal and field testing, most customers should be confident that running extensive testing should not be required. However, if a trial is required, please speak with your 3M Abrasives distributor.
Will the new upgraded 3M™ Cubitron™ 3 Performance Abrasives be sold at a higher price?	The country list prices will be similar to the existing 3M™ Cubitron™ II Performance Abrasives range.
Why has 3M introduced a special grinding wheel for gouging applications?	After listening to customers that do a lot of gouging and back grinding in their operations, the required performance parameters mean a dedicated product with a purpose made formulation optimized for this work. This helps deliver the high performance that 3M™ Cubitron™ 3 Grinding & Cut-Off Wheels represent.
Why won't 3M™ Cubitron™ II Performance Abrasives continue to be sold?	This helps with selection simplicity, which customers tell us is important. Thanks to the manufacturing technology advances we have made, the price/performance differential between the two ranges means there is no need to retain the existing range.
Which 3M™ Cubitron™ 3 Cut & Grind Wheel thickness should I order if I am happy with the one I am currently using?	To get the same wheel thickness you are familiar with, order the 5/32 in thick version of the 3M™ Cubitron™ 3 Cut & Grind Wheel.

## Sustainability matters to 3M Abrasives.

When you buy from the SEAM value chain, you are helping to build a sustainable future for our industry, for people and for the planet.

3M is a founding member of the SEAM abrasives manufacturers program and aligns to the world's highest standards of quality, safety and performance in a sustainable environment. We commit to transparency, accountability, innovation and progress.

When buying from the SEAM value chain, customers are helping to build themselves a sustainable future.



Sustainable European Abrasive Manufacturers

Find out more at [www.seam.earth](http://www.seam.earth)



## Learn more at [3M.ca/Metalworking](http://3M.ca/Metalworking)



**3M Abrasive Systems**  
**3M Canada P.O. Box 5757**  
**London, Ontario N6A 4T1**

**Web** [3M.ca/Metalworking](http://3M.ca/Metalworking)

**Product Selection and Use:** 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. **Disclaimer:** 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit [www.3M.com](http://www.3M.com). **Warranty and Limited Remedy:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 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, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 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 for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

3M and Cubitron are trademarks of 3M Company. All other trademarks are property of their respective owners. © 3M 2023. All rights reserved. 61-5005-0079-0

**3M Abrasive Products are for industrial use only.**