



Cubitron™ 3
Performance Abrasives

Portable Bonded 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 portable bonded 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 portable bonded 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 Portable Bonded Wheels to 3M™ Cubitron™ 3 now.

To maximize simplicity and value to our customers, the current 3M™ Cubitron™ II Portable Bonded 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

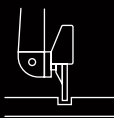
vs. 3M™ Cubitron™ II

+14%
Faster Cut

vs. 3M™ Cubitron™ II

Range Expansion

Specific product lines have been introduced where wheel construction and grain type are optimized for applications such as gouging and back grinding where the wheel is used on its edge.



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 by up to 20%.**¹

All 3M™ Cubitron™ 3 Cut-Off Wheels will come in re-sealable bags made of recycled and recyclable material.



1. 3M Internal Data

3M™ Cubitron™ 3 Cut and Grind Wheels

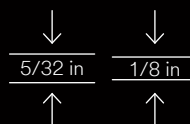
Here we've reformulated wheel composition to offer even better balance and a smoother action while maintaining best in class performance.



Range Expansion

Options for a thinner and faster cut:

- Current thickness (4.2mm) to be labeled as 5/32 in (previously labeled 1/8 in)
- 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			Replacement 3M™ Cubitron™ 3 Wheels			
					Part No.	3M Stock No.	UPC	Part No.	3M Stock No.	UPC	Case Qty.
Cut and 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	00068060665126	20
	T27 thin	7	1/8	7/8	New!			89163	7100313588	00068060665119	20
	T27 thin	9	1/8	7/8	New!			89164	7100313759	00068060665102	20
	T27 thin QC	4.5	1/8	5/8-11	New!			89158	7100313760	00068060665027	10
	T27 thin QC	5	1/8	5/8-11	New!			88990	7100313204	00068060665065	10
	T27 thin QC	6	1/8	5/8-11	New!			88991	7100313205	00068060665058	10
	T27 thin QC	7	1/8	5/8-11	New!			88992	7100313195	00068060665041	10
	T27 thin QC	9	1/8	5/8-11	New!			88993	7100313197	00068060665034	10
	T27	4	5/32	3/8	82276	7100019056	04046719822768	90012	7100305152	00638060900123	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	00638060900178	20
	T27	6	5/32	7/8	28758	7100019067	00051141287584	90019	7100313552	00068060665096	20
	T27	7	5/32	7/8	28760	7100019072	00051141287607	90021	7100313206	00068060665089	20
	T27	9	5/32	7/8	28761	7100019075	00051141287614	90023	7100313199	00068060665072	20
	T27 QC	4.5	5/32	5/8-11	28762	7100245018	00051141287621	90016	7100313194	00068060665010	10
	T27 QC	5	5/32	5/8-11	28763	7100247112	00051141287638	90017	7100313550	00068060665003	10
	T27 QC	6	5/32	5/8-11	28764	7100247110	00051141287645	90020	7100313196	00068060664990	10
	T27 QC	7	5/32	5/8-11	28765	7100019074	00051141287652	90022	7100313551	00068060664983	10
	T27 QC	9	5/32	5/8-11	28766	7100019076	00051141287669	90024	7100313203	00068060664976	10
Cut-Off Wheels	T1	4	0.035	3/8	66518	7100094773	00051115665189	90033	7100303857	00638060900338	50
	T1	4	0.045	3/8	66520	7100228449	00051115665202	90034	7100304004	00638060900345	50
	T1	4	1/8	3/8	66524	7100228885	00051115665240	90035	7100304005	00638060900352	50
	T1	4.5	0.04	7/8	86929	7100094781	00051125869294	90051	7100304307	04064035116378	50
	T1	4.5	0.045	7/8	66525	7100228953	00051115665257	90036	7100304006	00638060900369	50
	T1	5	0.035	1/4	66513	7100094770	00051115665134	90030	7100303860	04064035116286	50
	T1	5	0.035	3/8	66514	7100094771	00051115665141	90031	7100303859	04064035116262	50
	T1	5	0.045	3/8	66516	7000119639	00051115665165	90032	7100303858	04064035116255	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	00068060664938	50
	T1	7	0.09	7/8	66528	7100098145	00051115665288	90039	7100313189	00068060664921	50
	T27	4.5	0.04	7/8	86946	7100094783	00051125869461	90053	7100304308	04064035116361	50
	T27	4.5	0.045	7/8	66531	7100228956	00051115665318	90041	7100304008	00638060900413	50
	T27	5	0.04	7/8	86945	7100094784	00051125869454	90052	7100303856	04064035116446	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	5	1/8	7/8	66535	7100231331	00051115665356	90044	7100304009	00638060900444	50
	T27	6	0.045	7/8	66541	7100098316	00051115665417	90048	7100313201	00068060664914	50
	T27	7	0.09	7/8	66543	7000119653	00051115665431	90050	7100313191	00068060664907	50
	T27 QC	4.5	1/8	5/8-11	66534	7100245008	00051115665349	90043	7100313187	00068060664877	10
	T27 QC	4.5	0.09	5/8-11	66532	7100247111	00051115665325	90042	7100313200	00068060664891	10
	T27 QC	4.5	0.045	5/8-11	66530	7100245010	00051115665301	90040	7100313192	00068060664860	10
	T27 QC	6	0.045	5/8-11	66540	7100245009	00051115665400	90047	7100313188	00068060664884	10
	T27 QC	7	0.09	5/8-11	66542	7000119652	00051115665424	90049	7100312963	00068060664808	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	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	00068060664969	20
	T27	7	1/4	7/8	64315	7100094062	00076308643157	90008	7100313198	00068060664952	20
	T27	9	1/4	7/8	64316	7100094063	00076308643164	90010	7100313202	00068060664945	20
	T27 QC	4.5	1/4	5/8-11	64320	7100244823	00076308643201	90002	7100312968	00068060664853	10
	T27 QC	5	1/4	5/8-11	64317	7100244819	00076308643171	90004	7100312967	00068060664846	10
	T27 QC	6	1/4	5/8-11	64318	7100244820	00076308643188	90006	7100312966	00068060664839	10
	T27 QC	7	1/4	5/8-11	64319	7100103317	00076308643195	90009	7100312965	00068060664822	10
	T27 QC	9	1/4	5/8-11	87153	7100103313	00051125871532	90011	7100312964	00068060664815	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	7100317466	00068060661982	10
	COW T27	6	0.045	7/8	87152	7100119177	00051125871525	66198	7100317566	00068060661999	10

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 Portable Bonded 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 and 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 and 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



Learn more at 3M.com/Cubitron3Wheels



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