



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.

3M CUBITRON™ II Industrial Abrasives

Launched in 2012, this was the first range of portable bonded wheels using 3M's precision-shaped triangular grain abrasives.

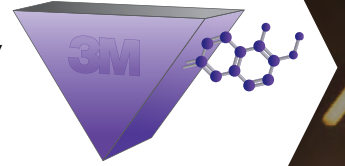
This range will now be replaced by our latest and best offering.



3M Cubitron™ 3 Performance Abrasives

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 product 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.

3M™ Cubitron™ Portable Bonded Wheels will be upgraded.

To maximise simplicity and value to our customers, the current 3M™ Cubitron™ Portable Bonded Wheel range will be discontinued and replaced by 3M™ Cubitron™ 3. Customers will benefit from a wider product choice, better performance and optimised sustainability with no change in list price.

What's New

3M™ Cubitron™ 3 Depressed Center Grinding Wheels



+50%
Longer Life

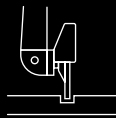
vs 3M™ Cubitron™ II

+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

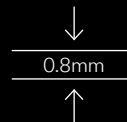
vs 3M™ Cubitron™ II

+10%
Faster Cut

vs 3M™ Cubitron™ II

Range Expansion

A 0.8mm thickness option has been added that offers better speed on thin substrates. A 1.3mm thickness option as a compromise between the speed of a 1.0mm and the life of a 1.6mm.



Performance Enhancing Packaging

When cut-off wheels are properly protected from atmospheric moisture, product life can be extended by up to 20%.¹

1. 3M Internal Data

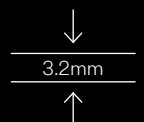
3M™ Cubitron™ 3 Cut and Grind Wheels

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



Range Expansion

We've added a 3.2mm option for applications requiring a thinner grinding profile. A thinner wheel also makes it grind faster too!



Product Transition Cross Reference Chart

Wheel	Type	Diameter (mm)	Thickness (mm)	Center Hole (mm)	Discontinued	Replacement	
					3M™ Cubitron™ II Wheels	3M™ Cubitron™ 3 Wheels	
Depressed Center Grinding Wheels	T27	115	7	22.23	7100074406	7100303983	
	T27	125	7	22.23	7100074405	7100303982	
	T27	150	7	22.23	7100074524	7100303981	
	T27	180	7	22.23	7100074407	7100303980	
	T27	230	7	22.23	7100074408	7100303979	
	Gouge Special Wheels						
	T27	125	7	22.23	N/A	7100312955	
	T27	150	7	22.23	N/A	7100303963	
	T27	180	7	22.23	N/A	7100305453	
	Cut and Grind Wheels	T27	100	3.2	15.88	N/A	7100305445
T27		115	3.2	22.23	N/A	7100305449	
T27		125	3.2	22.23	N/A	7100305448	
T27		150	3.2	22.23	N/A	7100305148	
T27		180	3.5	22.23	N/A	7100305447	
T27		230	3.8	22.23	N/A	7100305446	
T27		100	4.2	15.88	7100017401	7100305450	
T27		115	4.2	22.23	7100017404	7100303975	
T27		125	4.2	22.23	7100017402	7100303974	
T27		150	4.2	22.23	7100017403	7100303973	
T27		180	4.2	22.23	7100017411	7100303972	
T27		230	4.2	22.23	7100017410	7100303971	
Cut-Off Wheels		T41	75	1	6.35	7100094853	7100303861
	T41	75	1	8	7100094903	7100304124	
	T41	75	1	9.53	7100094854	7100304121	
	T41	75	1	10	7100094904	7100304123	
	T41	100	2	15.88	7100228587	7100303830	
	T41	115	0.8	22.23	N/A	7100304305	
	T41	115	1	22.23	7100094902	7100304120	
	T41	115	1.6	22.23	7100231330	7100304003	
	T42	115	2.5	22.23	7100228947	7100303996	
	T41	125	0.8	22.23	N/A	7100304127	
	T41	125	1	22.23	7100094901	7100304306	
	T41	125	1.3	22.23	N/A	7100304304	
	T41	125	1.6	22.23	7100231356	7100303829	
	T41	125	2	22.23	7100231343	7100304000	
	T42	125	2.5	22.23	7100228958	7100303995	
	T42	125	3	22.23	7100231332	7100303831	
	T41	150	2	22.23	N/A	7100304056	
	T41	180	2	22.23	7100136995	7100303999	
	T42	180	2.5	22.23	7100136993	7100303994	
	T41	230	2	22.23	7100136990	7100303998	
	T41	230	2.5	22.23	7100136991	7100303997	
	T42	230	2.5	22.23	7100136994	7100303993	
	T41	230	3.0	22.23	7100136992	7100303832	



FAQs

<p>When will the new 3M™ Cubitron™ 3 Performance Abrasives replacement products be available?</p>	<p>3M™ Cubitron™ 3 Performance Abrasives will be available to our distribution partners from October 2023.</p>
<p>When will the discontinued 3M™ Cubitron™ II Performance Abrasives stop being supplied?</p>	<p>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.</p>
<p>How can customers access the new products to trial first?</p>	<p>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.</p>
<p>Will the new upgraded 3M™ Cubitron™ 3 Performance Abrasives be sold at a higher price?</p>	<p>The country list prices will be similar to the existing 3M™ Cubitron™ II Performance Abrasives range.</p>
<p>Why has 3M introduced a special grinding wheel for gouging applications?</p>	<p>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 high performance that 3M™ Cubitron™ 3 represents.</p>
<p>Why won't 3M™ Cubitron™ II Performance Abrasives continue to be sold?</p>	<p>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.</p>

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.co.UK/Abrasives



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