



Cubitron™ 3
Performance Abrasives



Portable Bonded Wheels

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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.

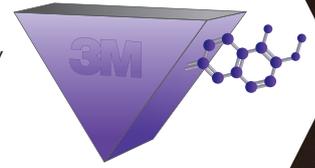


Launched in 2012, this was the first range of cutting and grinding products using 3M's precision-shaped triangular grain abrasives.

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 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™ II Portable Bonded Wheels will be upgraded.

To maximize simplicity and value to our customers, the current 3M™ Cubitron™ II Portable Bonded Wheels range will be discontinued and 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

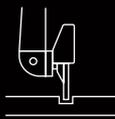


**+50%
Longer Life**
vs. 3M™ Cubitron™ II

**+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

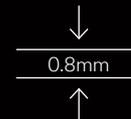


**3X
Longer Life**
vs. 3M™ Cubitron™ II

**+10%
Faster Cut**
vs. 3M™ Cubitron™ II

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. All 3M™ Cubitron™ 3 Cut-Off Wheels will come in re-sealable, moisture resistant bags made with recycled material.

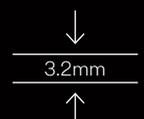
3M™ Cubitron™ 3 Cut and Grind Wheels

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 3M™ Cubitron™ II Wheels		Replacement 3M™ Cubitron™ 3 Wheels		
					Part No.	3M ID	Part No.	3M ID	
Depressed Center Grinding Wheels	T27	100	6.0	16.00	66597	7000118427	99396	7100303984	
	T27	115	7.0	22.23	65510	7100074406	99306	7100303983	
	T27	125	7.0	22.23	65509	7100074405	98647	7100303982	
	T27	150	7.0	22.23	65492	7100074524	98452	7100303981	
	T27	180	7.0	22.23	65493	7100074407	98418	7100303980	
	T27	230	7.0	22.23	65494	7100074408	98291	7100303979	
	Gouge Special Wheels								
	T27	125	7.0	22.23	New!		43616	7100312955	
	T27	150	7.0	22.23	New!		74433	7100303963	
	T27	180	7.0	22.23	New!		97818	7100305453	
Cut and Grind Wheels	T27	100	3.2	22.23	New!		93314	7100305445	
	T27	115	3.2	22.23	New!		94159	7100305449	
	T27	125	3.2	22.23	New!		93498	7100305448	
	T27	150	3.2	22.23	New!		47563	7100305148	
	T27	180	3.2	22.23	New!		93473	7100305447	
	T27	230	3.2	22.23	New!		93395	7100305446	
	T27	100	4.2	22.23	81153	7100017401	95508	7100305450	
	T27	115	4.2	22.23	81157	7100017404	95344	7100303975	
	T27	125	4.2	22.23	81149	7100017402	94946	7100303974	
	T27	150	4.2	22.23	81152	7100017403	94888	7100303973	
	T27	180	4.2	22.23	81148	7100017411	94542	7100303972	
	T27	230	4.2	22.23	81154	7100017410	94343	7100303971	
	Cut-Off Wheels	T41	75	1.0	6.35	65450	7100094853	90230	7100303861
		T41	75	1.0	8.00	65170	7100094903	91045	7100304124
T41		75	1.0	9.53	65452	7100094854	90230	7100304121	
T41		75	1.0	10.00	65171	7100094904	91045	7100304123	
T41		100	2.0	15.88	65501	7100228587	86997	7100303830	
T41		115	0.8	22.23	New!		86581	7100304305	
T41		115	1.0	22.23	65513	7100094902	86616	7100304120	
T41		115	1.6	22.23	65454	7100231330	89573	7100304003	
T42		115	2.5	22.23	65472	7100228947	88383	7100303996	
T41		125	0.8	22.23	New!		86580	7100304127	
T41		125	1.0	15.88	65139	7100094908	47420	7100304303	
T41		125	1.0	22.23	65512	7100094901	86647	7100304306	
T41		125	1.0	22.23	91251	7100141201	86647	7100304306	
T41		125	1.3	22.23	New!		86457	7100304304	
T41		125	1.6	22.23	New!		86412	7100303829	
T41		125	2.0	22.23	65461	7100231343	88775	7100304000	
T42		125	2.5	22.23	65477	7100228958	87963	7100303995	
T42		125	3.0	22.23	65490	7100231332	87338	7100303831	
T41		150	1.6	22.23	65173	7100136996	90247	7100305353	
T41		150	2.0	22.23	New!		86542	7100304056	
T41		180	1.6	22.23	65456	7100136989	88912	7100305230	
T41		180	2.0	22.23	65462	7100136995	88768	7100303999	
T42		180	2.5	22.23	65479	7100136993	87396	7100303994	
T41		230	2.0	22.23	65463	7100136990	88732	7100303998	
T41		230	2.5	22.23	65471	7100136991	88404	7100303997	
T42		230	2.5	22.23	65481	7100136994	87378	7100303993	
T41		230	0.8	22.23	65487	7100136992	87671	7100303832	



<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 the high performance that 3M™ Cubitron™ 3 Portable Bonded Wheels represent.</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.com/Cubitron3



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