



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.

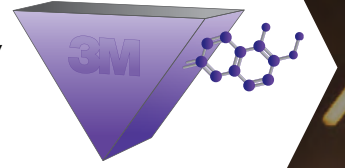
This range will now be replaced by our latest and best offering.



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

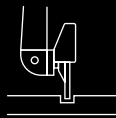
vs 3M™ Cubitron™ II

+14%
Faster Cut

vs 3M™ Cubitron™ II

Range Expansion

Specific product lines have been introduced where wheel construction and grain type are optimised 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

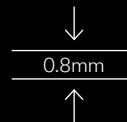
vs 3M™ Cubitron™ II

+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

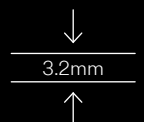
3M™ Cubitron™ 3 Cut and Grind Wheels

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 | 401.7100074406 | 401.7100303983 | |
| | T27 | 125 | 7 | 22.23 | 401.7100074405 | 401.7100303982 | |
| | T27 | 150 | 7 | 22.23 | 401.7100074524 | 401.7100303981 | |
| | T27 | 180 | 7 | 22.23 | 401.7100074407 | 401.7100303980 | |
| | T27 | 230 | 7 | 22.23 | 401.7100074408 | 401.7100303979 | |
| | Gouge Special Wheels | | | | | | |
| | T27 | 125 | 7 | 22.23 | N/A | 401.7100312955 | |
| | T27 | 150 | 7 | 22.23 | N/A | 401.7100303963 | |
| | T27 | 180 | 7 | 22.23 | N/A | 401.7100305453 | |
| | Cut and Grind Wheels | T27 | 100 | 3.2 | 15.88 | N/A | 401.7100305445 |
| T27 | | 115 | 3.2 | 22.23 | N/A | 401.7100305449 | |
| T27 | | 125 | 3.2 | 22.23 | N/A | 401.7100305448 | |
| T27 | | 150 | 3.2 | 22.23 | N/A | 401.7100305148 | |
| T27 | | 180 | 3.5 | 22.23 | N/A | 401.7100305447 | |
| T27 | | 230 | 3.8 | 22.23 | N/A | 401.7100305446 | |
| T27 | | 100 | 4.2 | 15.88 | 401.7100017401 | 401.7100305450 | |
| T27 | | 115 | 4.2 | 22.23 | 401.7100017404 | 401.7100303975 | |
| T27 | | 125 | 4.2 | 22.23 | 401.7100017402 | 401.7100303974 | |
| T27 | | 150 | 4.2 | 22.23 | 401.7100017403 | 401.7100303973 | |
| T27 | | 180 | 4.2 | 22.23 | 401.7100017411 | 401.7100303972 | |
| T27 | | 230 | 4.2 | 22.23 | 401.7100017410 | 401.7100303971 | |
| Cut-Off Wheels | | T41 | 75 | 1 | 6.35 | 401.7100094853 | 401.7100303861 |
| | T41 | 75 | 1 | 8 | 401.7100094903 | 401.7100304124 | |
| | T41 | 75 | 1 | 9.53 | 401.7100094854 | 401.7100304121 | |
| | T41 | 75 | 1 | 10 | 401.7100094904 | 401.7100304123 | |
| | T41 | 100 | 2 | 15.88 | 401.7100228587 | 401.7100303830 | |
| | T41 | 115 | 0.8 | 22.23 | N/A | 401.7100304305 | |
| | T41 | 115 | 1 | 22.23 | 401.7100094902 | 401.7100304120 | |
| | T41 | 115 | 1.6 | 22.23 | 401.7100231330 | 401.7100304003 | |
| | T42 | 115 | 2.5 | 22.23 | 401.7100228947 | 401.7100303996 | |
| | T41 | 125 | 0.8 | 22.23 | N/A | 401.7100304127 | |
| | T41 | 125 | 1 | 22.23 | 401.7100094901 | 401.7100304306 | |
| | T41 | 125 | 1.3 | 22.23 | N/A | 401.7100304304 | |
| | T41 | 125 | 1.6 | 22.23 | 401.7100231356 | 401.7100303829 | |
| | T41 | 125 | 2 | 22.23 | 401.7100231343 | 401.7100304000 | |
| | T42 | 125 | 2.5 | 22.23 | 401.7100228958 | 401.7100303995 | |
| | T42 | 125 | 3 | 22.23 | 401.7100231332 | 401.7100303831 | |
| | T41 | 150 | 2 | 22.23 | N/A | 401.7100304056 | |
| | T41 | 180 | 2 | 22.23 | 401.7100136995 | 401.7100303999 | |
| | T42 | 180 | 2.5 | 22.23 | 401.7100136993 | 401.7100303994 | |
| | T41 | 230 | 2 | 22.23 | 401.7100136990 | 401.7100303998 | |
| | T41 | 230 | 2.5 | 22.23 | 401.7100136991 | 401.7100303997 | |
| | T42 | 230 | 2.5 | 22.23 | 401.7100136994 | 401.7100303993 | |
| | T41 | 230 | 3.0 | 22.23 | 401.7100136992 | 401.7100303832 | |



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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