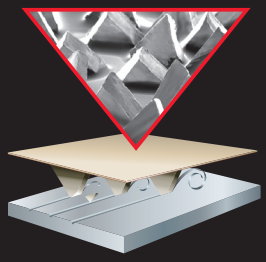
3M Science. Applied to Life.™



Value and versatility.

Experience the power of 3M Precision-Shaped Grain



3M™ Cut & Grind Wheels are designed for efficient cutting and everyday value. They feature 3M Precision-Shaped Grain and are built to support a range of demanding cutting and grinding applications.



Less chatter. More action.

3M™ Cut & Grind Wheels are designed to support productivity and value in demanding applications. They deliver a fast, smooth cut for tough jobs and are engineered to promote improved control during back gouging and root pass grinding. Featuring 3M Precision-Shaped Grain technology, these wheels use sharp, micro-replicated points designed to cut efficiently through metal while supporting consistent performance. Their durable design helps reduce wheel changes, helping users maintain efficiency throughout daily grinding tasks.

3M Cut & Grind Wheels can function as both a depressed center grinding wheel and a cut-off wheel, for everyday high performance in a wide range of applications:

- Cutting
- Grinding
- Back gouging
- Root pass grinding
- Notching
- Beveling
- Filet grinding

- Efficient cutting performance
- Designed for lasting sharpness
- Durable design
- Built for cutting, grinding, and gouging versatility
- Designed for use on mild and stainless steel
- Engineered to support easier grinding

See what sets 3M™ Cut & Grind Wheels apart:

- **Built for consistent, high-quality performance**
- **At a price point designed to deliver value**

3M™ Cut & Grind Wheel (638060-)	Type	Diameter x Center Hole (inches)	Maximum RPM	Maximum Speed (m/s)	Discs Per Box/Case
06459-7	T1	4 × ⅛ × ⅜	15,300	80	10/20
06460-3	T27	4 × ⅛ × ⅜	15,300	80	10/20
06461-0	T27	4 × ⅛ × ⅝	15,300	80	10/20
06462-7	T27	4½ × ⅛ × ⅞	13,300	80	10/20
06463-4	T27	5 × ⅛ × ⅞	12,500	80	10/20
06469-6	T27	6 × ⅛ × ⅞	10,200	80	10/20
06470-2	T27	7 × ⅛ × ⅞	8,500	80	10/20
06471-9	T27	9 × ⅛ × ⅞	6,650	80	10/20
Quick Change Attachment					
06464-1	T27	4½ × ⅛ × ⅝-11	13,300	80	10/20
06465-8	T27	5 × ⅛ × ⅝-11	12,500	80	10/20
06466-5	T27	6 × ⅛ × ⅝-11	10,200	80	10/20
06467-2	T27	7 × ⅛ × ⅝-11	8,500	80	10/20
06468-9	T27	9 × ⅛ × ⅝-11	6,650	80	10/20
Single Pack 75819-9	T27	4½ × ⅛ × ⅝-11	13,300	80	1/10

Want even more power?
For the ultimate in speed and long life, try 3M™ Cubitron™ II Cut & Grind Wheels.

Cut & Grind Wheel product comparisons



Speed and durability rated on a scale of 1 to 5, with 5 stars being the best.

Attributes	Aluminum oxide	Alumina zirconia	Advanced Series 3M™ Cut & Grind Wheels
Durability / Life	★★	★★★	★★★★★
Speed of Cut	★	★★	★★★
Feel: Smooth	★★	★★★	★★★★
Contaminant-free* (for stainless/inox)	varies	varies	yes
Mineral	aluminum oxide	alumina zirconia	blend of precision-shaped grain
Total Abrasive Spend Per Job	$$$	$$	$
Total Cost of Job (Abrasive, Labor, Processes)	$$$$	$$$	$$

* Contains less than 0.1% Fe, S and Cl.

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.

Warranty, Limited Remedy, and Disclaimer: 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.

Call to speak with a 3M abrasives expert: 1-866-279-1235

Abrasive Systems Division
3M Center, Building 223-6S-03
St. Paul, MN 55144-1000
www.3M.com/abrasives

Please recycle. Printed in USA.
© 3M 2026. All rights reserved.
I16454HB
61-5002-8477-5

3M is a trademark of 3M Company. All other trademarks are the property of their respective owners. Used under license by 3M subsidiaries and affiliates.