



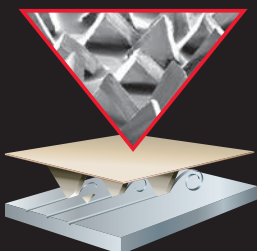
Science.  
Applied to Life.™



# Value and versatility.

Who says you can't have the best of both worlds?

Experience the power of  
3M Precision-Shaped Grain



**3M™ Cut & Grind Wheels are fast-cutting and competitively priced, helping you stay on time and on budget.**

Part of our Advanced Series of abrasives, 3M Cut & Grind Wheels harness the power of 3M Precision-Shaped Grain at a price that's affordable for everyday use. These versatile wheels are designed for use as both depressed center grinding wheels and cut-off wheels, so you can power through a wide range of tough jobs – and get more work done for your dollar.



# Less chatter. More action.

3M™ Cut & Grind Wheels are engineered to help you get more work done for your dollar. They blast through tough jobs with a fast, smooth cut ... with less pressure ... and with less chatter on back gouging and root pass grinding. 3M Precision-Shaped Grain technology slices through metal with super-sharp, microreplicated points for a cooler, faster and longer lasting cut than conventional abrasive grain. Plus, these long-lasting wheels need fewer changes, so you can power through the daily grind that much faster.

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

- **Cuts fast:** Stays sharp longer than conventional grinding wheels
- **Long life:** Even in a fast-cutting wheel
- **Versatile:** Ideal for cutting, grinding and gouging on mild and stainless steel
- **Grinds with less pressure:** Can help reduce operator fatigue

See why 3M Cut & Grind Wheels are a cut above the competition!

- **3M™ Cut & Grind Wheel shows 47% less wheel wear than Norton™ Blue Fire Depressed Center Wheel, 4.5D, 1/8T, 7/8"**
- **Consistent, high-quality performance**
- **All at a price you can't say no to!**

\*Internal Testing - wheels were tested robotically for 10 min. on 1018 carbon steel.

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 × 1/8 × 3/8	15,300	80	10/20
06460-3	T27	4 × 1/8 × 3/8	15,300	80	10/20
06461-0	T27	4 × 1/8 × 3/8	15,300	80	10/20
06462-7	T27	4 1/2 × 1/8 × 7/8	13,300	80	10/20
06463-4	T27	5 × 1/8 × 7/8	12,500	80	10/20
06469-6	T27	6 × 1/8 × 7/8	10,200	80	10/20
06470-2	T27	7 × 1/8 × 7/8	8,500	80	10/20
06471-9	T27	9 × 1/8 × 7/8	6,650	80	10/20

### Quick Change Attachment

06464-1	T27	4 1/2 × 1/8 × 5/8-11	13,300	80	10/20
06465-8	T27	5 × 1/8 × 5/8-11	12,500	80	10/20
06466-5	T27	6 × 1/8 × 5/8-11	10,200	80	10/20
06467-2	T27	7 × 1/8 × 5/8-11	8,500	80	10/20
06468-9	T27	9 × 1/8 × 5/8-11	6,650	80	10/20
Single Pack 75819-9	T27	4 1/2 × 1/8 × 5/8-11	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.

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



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