



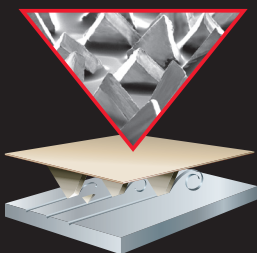
Science.  
Applied to Life.™



# 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 centre grinding wheels and cut-off wheels, so you can power through a wide range of tough jobs – and help get more work done for your dollar.



# Less chatter. More action.

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

- **50% longer life\*** \*Compared to competitive AZ and AO wheels. Results extrapolated from a 10 min. robotic test on carbon steel.
- **Consistent, high-quality performance**
- **All at a price you can't say no to!**

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 centre 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:** Helps stay 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



### 3M™ 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	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, Labour, Processes)	\$\$\$\$	\$\$\$	\$\$

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





## 3M™ Cut & Grind Wheel

Part Number	Diameter x Thickness x Centre Hole (inches)	Shape	Maximum RPM	Discs Per Box/Case
06462	4½ x ⅛ x ⅞	T27	13,300	10 / 20
06463	5 x ⅛ x ⅞	T27	12,500	10 / 20
06469	6 x ⅛ x ⅞	T27	10,200	10 / 20
06470	7 x ⅛ x ⅞	T27	8,500	10 / 20

## Complete your lineup with 3M metalworking products.

Optimize your performance – with genuine 3M power tools! Lightweight yet rugged, these power tools are designed with a high power-to-weight ratio to help operators get more work done in less time.



<b>Model #</b>	<b>28405</b>	<b>28824</b>
<b>Description</b>	3M™ Grinder 28405, 4-1/2" 1 HP	3M™ Grinder 28824, 4-1/2" – 5" 1.5 HP
<b>Maximum RPM</b>	12,000	12,000



### Got a need for speed?

For an even faster cut rate, try 3M™ Cubitron™ II Abrasives.

For more information please visit [3M.ca/Cubitron-II-Abrasives](http://3M.ca/Cubitron-II-Abrasives)



For more information please visit [3M.ca/Metalworking](http://3M.ca/Metalworking)

# Less chatter. More action.

Help stay safe on the job with 3M  
Personal Protective Equipment.



Lightweight, comfortable welding helmet with advanced auto-darkening optics that adjust to your working conditions.  
**3M™ Speedglas™ Welding Helmet 9002NC**  
(PN 04-0100-20NC)



Helps protect your head and face against sparks, chips and debris.  
**3M™ Ratchet Headgear and Face Protection**  
(PN 82783-00000)



Comfortable eye protection with anti-fog lenses for a clear view of your workplace.  
**3M™ SecureFit™ Protective Eyewear**  
(PN SF401AF)



Quick, comfortable hearing protection that stays clean even when your hands are dirty.  
**3M™ E-A-R™ UltraFit Corded Earplugs**  
(PN 340-4004)

**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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The logo for DGI Supply, featuring a globe icon to the left of the text "DGI" in a large, blue, serif font, with "SUPPLY" in a smaller, blue, sans-serif font below it, and a registered trademark symbol to the right.

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