



Science.
Applied to Life.™

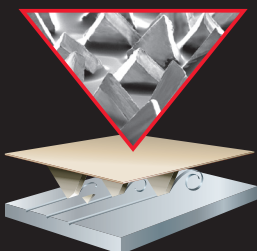
DGI
SUPPLY®



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.



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



For more information please visit 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.

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.

3M

3M Abrasive Systems Division
3M Canada
P.O. Box 5757
London, ON N6A 4T1
1-800-364-3577
3M.ca/Metalworking

DGI
SUPPLY®



www.dgisupply.ca



1-800-923-6255



CONNECT WITH
DGI SUPPLY!