



**3M** Science.  
Applied to Life.™

New! 3M™ Silver Depressed Centre Grinding Wheel

**Grind without compromise.**

Premium performance in a value-packed wheel—made possible  
by 3M precision-shaped grain technology.



Ideal for industries such as

- Agricultural, industrial and construction machinery
- General metal fabrication
- Oil and gas infrastructure
- Rail
- Shipbuilding
- Stainless steel fabrication
- Structural steel
- Tank and vessel



# An unbeatable combination of performance and value

Now you can experience the long life and speed of 3M's precision-shaped grain technology—in an innovative bonded wheel construction designed for everyday high performance.

## New 3M™ Silver Depressed Centre Grinding Wheels

3M™ Silver Depressed Centre Grinding Wheels (DCGW) represent a new class of right angle abrasives—powered by the legendary speed and long life of 3M precision-shaped grain. They are an ideal choice for applications like weld removal, beveling, edge chamfering and more—offering a faster cut and longer life than aluminum oxide and alumina zirconia wheels.

For a wide range of tough metalworking jobs, including

- ✓ Weld removal
- ✓ Beveling
- ✓ Edge chamfering
- ✓ Gate & flash removal
- ✓ Gouging
- ✓ Deburring

Optimized for use on carbon steel and stainless steel

To request a sample, please visit  
**[3M.ca/SilverAbrasives](http://3M.ca/SilverAbrasives)**

## Bonded 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 | Silver                                  |
|---|----------------|------------------|---|
| Durability/life                           | ★ ★            | ★ ★ ★            | ★ ★ ★ ★ ★                               |
| Speed of cut                              | ★              | ★ ★              | ★ ★ ★                                   |
| Contaminant-free*<br>(for stainless/inox) | varies         | varies           | yes                                     |
| Mineral                                   | aluminum oxide | alumina zirconia | ceramic blend<br>precision-shaped grain |
| Total abrasive<br>spend per job           | \$\$\$         | \$\$             | \$                                      |

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

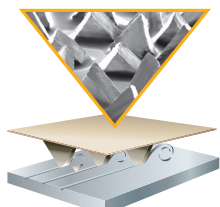
## Get the best of both worlds

With most competitive wheels, you have to choose between a softer construction that tends to cut fast, or a hard construction that tends to last longer. Now, with the 3M™ Silver Depressed Centre Grinding Wheel, you get an optimal balance of fast cutting and long life—all in a single, smooth-running wheel. Now that's great value!

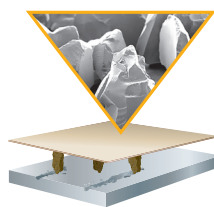
### 3M™ Silver Depressed Centre Grinding Wheel – T27

| Diameter × Thickness<br>× Arbour Hole (inches) | Part # | Max. RPM | Quantity/Case |
|--|--------|----------|---------------|
| 4 × 1/4 × 5/8                                  | 87456  | 15,300   | 20            |
| 4 1/2 × 1/4 × 7/8                              | 87453  | 13,300   | 20            |
| 5 × 1/4 × 7/8                                  | 87454  | 12,250   | 20            |
| 6 × 1/4 × 7/8                                  | 87450  | 10,200   | 20            |
| 7 × 1/4 × 7/8                                  | 87451  | 8,500    | 20            |
| 9 × 1/4 × 7/8                                  | 87452  | 6,650    | 20            |

### The science of precision-shaped grain



3M precision-shaped grain uses 3M microreplication technology to form sharp peaks that easily “slice” through metal — cutting cooler and faster, lasting longer than conventional abrasive grain.



Conventional ceramic abrasive grain tends to “plow” through the metal, causing heat to build up in the workpiece and the abrasive — resulting in a slower cut and shorter wheel life.



# Complete your lineup with 3M metalworking products.

## Optimize your performance – with genuine 3M power tools!

Lightweight but rugged, these power tools are designed with a high power-to-weight ratio to help operators get more work done in less time.



| Model #     | 28403                      | 28405                          | 28824                                 |
|-------------|----------------------------|--------------------------------|---------------------------------------|
| Description | 3M™ Grinder 28403, 4" 1 HP | 3M™ Grinder 28405, 4-1/2" 1 HP | 3M™ Grinder 28824, 4-1/2" – 5" 1.5 HP |
| Maximum RPM | 12,000                     | 12,000                         | 12,000                                |

### ► Tech Tips

#### Powering up for performance

- Depressed centre grinding wheels perform better the faster they run, so having a tool able to maintain speed is crucial.
- The higher the tool power, the easier it can maintain speed, resulting in faster cut time and longer wheel life.
- When the tool speed decreases, wheel wear typically increases.
- **Do not** exceed the maximum operating speed listed on the wheel!

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



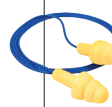
Lightweight, comfortable welding helmet with advanced auto-darkening optics that adjust to your working conditions.  
**3M™ Speedglas™ Welding Helmet 9002NC**  
(PN 04-0100-20NC)



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)

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](https://www.3M.ca/Cubitron-II-Abrasives)

To request a sample, please visit [3M.ca/SilverAbrasives](https://www.3M.ca/SilverAbrasives)



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