NEW! 3M™ Silver Cut-off Wheels

Cut to the chase.

Get the long-life and fast cutting action of 3M Precision-Shaped Grain – now in a cut-off wheel designed to give you great performance and a great value!
Tech tip – Size matters

Wheel thickness affects wheel performance. The thicker the wheel, the longer the life and the slower the cut rate. When cutting thicker material, use a thicker and larger diameter wheel to maximize wheel life. Thinner wheels cut faster and wear faster. They also work better on thin gauge materials.

A cut above the rest

Does your cut-off wheel give up before the job is done? Does it heat up and slow to a crawl after a few cuts? Does it give you a rough, ragged kerf? Well, if your cut-off wheel just can’t cut it, here’s great news:

New 3M™ Silver Cut-off Wheels are a new kind of premium performance wheel designed to be affordable for everyday use. Featuring 3M Precision-Shaped Grain technology, these innovative wheels cut cool, to deliver fast, smooth cutting action on all types of ferrous metals, stainless steels and alloy steels. And customers report that they last longer than competitive aluminum oxide and alumina zirconia wheels. That means fewer wheel changes and more finished parts per wheel, to help improve shop productivity and control your costs.

Make short work of cutting pipes, tubes, flat sheets and more.
Optimized for use on carbon steel and stainless steel.

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

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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.

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

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Success stories: Metal fabrication

When cutting steel and stainless steel tubing assemblies, this customer reports **50% less wear** with 3M Silver Cut-off Wheels vs. their standard aluminum oxide wheel.

For cutting structural metal sheet and plate, 3M Silver Cut-off Wheels demonstrated **40% less wear** than this customer’s usual AZ wheel.

Internal 3M testing on 304L stainless steel sheet (11 gauge) using a 13 amp electric tool. Wheels are tested to end of life.

### 3M™ Silver Cut-off Wheels – Type 1

<table>
<thead>
<tr>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
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<tbody>
<tr>
<td>3 × 0.035 × ¼</td>
<td>051125-87457-1</td>
<td>25,465</td>
<td>25/50</td>
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<tr>
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<td>051125-87458-8</td>
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<td>3 × 0.060 × ¼</td>
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<td>4 × 0.035 × ¼</td>
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<td>4 × 0.060 × ¼</td>
<td>051125-87462-5</td>
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<tr>
<td>4 × 0.125 × ¼</td>
<td>051125-87463-9</td>
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<tr>
<td>4.5 × 0.040 × ¾</td>
<td>051125-87464-9</td>
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<tr>
<td>4.5 × 0.045 × ¾</td>
<td>051125-87465-6</td>
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<td>5 × 0.045 × ¾</td>
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<td>13,300</td>
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<td>6 × 0.045 × ¾</td>
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<td>7 × 0.045 × ¾</td>
<td>051125-87468-7</td>
<td>12,250</td>
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### 3M™ Silver Cut-off Wheels – Type 27

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<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
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<tbody>
<tr>
<td>4.5 × 0.045 × ¾</td>
<td>051125-87466-3</td>
<td>13,300</td>
<td>25/50</td>
</tr>
<tr>
<td>4.5 × 0.045 × ¾</td>
<td>051125-87467-0</td>
<td>13,300</td>
<td>25/50</td>
</tr>
<tr>
<td>4.5 × 0.045 × ¾</td>
<td>051125-87468-7</td>
<td>12,250</td>
<td>10/20</td>
</tr>
</tbody>
</table>

Got a need for speed? For an even faster cut rate, try 3M™ Cubitron™ II Abrasives.
Complete your lineup with 3M metalworking products.

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

- Easily cuts through everything from standard rebar to oversized bolts
- Model 28826 provides greater versatility and control, with right angle head and easily-repositionable guard

Optimize your performance – with genuine 3M™ Power Tools!

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Maximum RPM</th>
<th>UPC</th>
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<tbody>
<tr>
<td>20233</td>
<td>3M™ Cut-off Wheel Tool 20233, 3” 1 HP</td>
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<td>28771</td>
<td>3M™ Cut-off Wheel Tool 28771, 4” 1 HP</td>
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<td>28826</td>
<td>3M™ Cut-off Wheel Tool 28826, 4 1/2” - 5” 1.5 HP</td>
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<table>
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<tr>
<th>Model #</th>
<th>Description</th>
<th>Maximum RPM</th>
<th>UPC</th>
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<tr>
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<td>3M™ Grinder 28403, 4” 1 HP</td>
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<td>3M™ Grinder 28405, 4 1/2” 1 HP</td>
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<td>3M™ Grinder 28824, 4 1/2” - 5” 1.5 HP</td>
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<td>051141-28824-6</td>
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</table>

Stay safe on the job with 3M™ Personal Protective Equipment

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

Tech tip

Powering up for performance

- Cut-off 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!

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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