The right choice.

3M™ Abrasives for Right-Angle Systems

Cut, grind, finish and more... with a world-class abrasive system that helps you work smarter, finish faster!

FEATURING
Scotch-Brite™ Precision Surface Conditioning Discs

Re-defining non-woven surface conditioning discs!

With Precision Shaped Grains
Your power team for metal fabrication and finishing.
3M™ Abrasive Discs and Wheels offer innovative solutions for tackling a range of applications. Developed with cutting-edge abrasives technology, these products deliver the performance and quality you need. And we offer a variety of brands and grades to fit your budget and application.

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## General Guidelines

### Which series is right for you?

Choose 3M™ Cubitron™ II Abrasives for their legendary speed and long life, or Advanced Series discs and wheels for value-priced performance. Scotch-Brite™ Abrasives deliver consistent, reproducible results, making it easy to ensure quality finishes.

<table>
<thead>
<tr>
<th>What's most important?</th>
<th>Choose this family of 3M Abrasives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed and long life – to improve productivity and lower overall production costs</td>
<td>Premium Series – 3M™ Cubitron™ II Abrasives</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Cubitron II Abrasives" /></td>
</tr>
<tr>
<td>Consistency and ease of use – to improve surfaces without significantly changing the workpiece</td>
<td>Scotch-Brite™ Abrasives</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Scotch-Brite Abrasives" /></td>
</tr>
<tr>
<td>Value-priced performance – to minimize abrasive spend while getting the job done efficiently</td>
<td>Advanced Series – 3M™ Abrasives</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Advanced Series Abrasives" /></td>
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</table>

### Bonded wheel product comparisons

Speed and durability rated on a scale of 1 to 5, with 5 stars being the best.

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Aluminum oxide</th>
<th>Alumina zirconia</th>
<th>3M™ Silver</th>
<th>3M™ Cubitron™ II</th>
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</thead>
<tbody>
<tr>
<td>Durability / Life</td>
<td>✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
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<tr>
<td>Speed of Cut</td>
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<td>✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
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<tr>
<td>Feel Smooth</td>
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<td>✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
<td>✶ ✶ ✶ ✶ ✶ ✶</td>
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<tr>
<td>Contaminant-free* (for stainless/inox)</td>
<td>varies</td>
<td>varies</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td>Abrasive Cost per Job</td>
<td>$ $ $</td>
<td>$ $</td>
<td>$</td>
<td>$ $</td>
</tr>
<tr>
<td>Total Cost of Job (Abrasive, Labor, Processes)</td>
<td>$ $ $ $</td>
<td>$ $ $</td>
<td>$ $</td>
<td>$</td>
</tr>
</tbody>
</table>

* Contains less than 0.1% Fe, S and Cl
Complete your lineup.

Genuine 3M™ Power Tools  (See page 34)

These professional grade sanders, grinders and cut-off wheel tools are optimized for use with 3M™ Cubitron™ II Abrasives and 3M™ Abrasives.

NEW!

Check out our powerful new pneumatic tools!

3M Personal Protective Equipment*

Light weight, comfortable welding helmet with advanced auto-darkening optics that adjust to your working conditions.

3M™ Speedglas™ Welding Helmet 9002NC (PN 04-0100-20NC)

Help protect your forehead and face against sparks, chips and debris.

3M™ Ratchet Headgear Head and Face Protection (PN 82783-00000)

Comfortable eye protection with anti-fog lenses for a clear view of your workpiece.

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)

*When properly selected and worn according to the User instructions, 3M Personal Protective Equipment (PPE) helps reduce exposure to certain hazards. Before use, the employer must conduct an appropriate hazard assessment, select and provide appropriate PPE, and the wearer must read and understand the User Instructions provided as a part of the product packaging. Follow all local regulations. Misuse may result in sickness or death. For correct use, consult supervisor and User Instructions, or call 3M Personal Safety Division (PSD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.
Meet the

**Premium Series**

of right angle abrasives for unparalleled power and performance!

Featuring:
- 3M™ Cubitron™ II Abrasives for an unbeatable combination of speed and long life
- Scotch-Brite™ Abrasives for ease of use and consistent quality finishes.
- Featuring the Scotch-Brite™ Precision Surface Conditioning Disc; the first non-woven disc with 3M precision shaped grain

<table>
<thead>
<tr>
<th>Product</th>
<th>Cutting</th>
<th>Weld Grinding</th>
<th>Back Gouging</th>
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</thead>
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<td>3M™ Cubitron™ II Depressed Center Grinding Wheels</td>
<td></td>
<td></td>
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<tr>
<td>3M™ Cubitron™ II Fibre Disc 982CX Pro</td>
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<tr>
<td>3M™ Cubitron™ II Fibre Discs 982C &amp; 987C</td>
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<td></td>
<td>✓</td>
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<td>✓</td>
</tr>
<tr>
<td>3M™ Cubitron™ II Cut &amp; Grind Wheels</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>3M™ Cubitron™ II Cut Off Wheels</td>
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<tr>
<td>Scotch-Brite™ Surface Conditioning Discs</td>
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<td>Scotch-Brite™ Precision Surface Conditioning Disc</td>
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<td>Scotch-Brite™ SE Surface Conditioning Disc</td>
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<td>✓</td>
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<tr>
<td>Scotch-Brite™ Light Grinding &amp; Blending Discs</td>
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<td>✓</td>
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<tr>
<td>Scotch-Brite™ Clean &amp; Strip XT PRO/Extra Cut Discs</td>
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Introducing the

**Advanced Series**

of right angle abrasives designed for value-priced performance!

<table>
<thead>
<tr>
<th>Product</th>
<th>Cutting</th>
<th>Weld Grinding</th>
<th>Back Gouging</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>3M™ Fibre Discs 782C/787C</td>
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<td>✓</td>
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<td>3M™ Flap Discs 769F</td>
<td></td>
<td></td>
<td>✓</td>
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<tr>
<td>3M™ Silver Cut Off Wheels</td>
<td></td>
<td></td>
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<tr>
<td>3M™ Cut &amp; Grind Wheels</td>
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<td></td>
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</table>

◆ Recommended application
<table>
<thead>
<tr>
<th>Small Weld Grinding</th>
<th>Beveling</th>
<th>Fillet Weld Removal</th>
<th>Heavy Deburring, Slag Removal</th>
<th>Light Deburring/Edge Break</th>
<th>Blending/Refining</th>
<th>Weld Prep/Surface Prep</th>
<th>Finishing</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3M™ Cubitron™ II</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depressed Center Grinding Wheels</td>
<td>3M™ Cubitron™ II</td>
<td>Fibre Disc 982CX Pro</td>
<td>3M™ Cubitron™ II Fibre Discs 982C &amp; 987C</td>
<td>3M™ Cubitron™ II Flap Discs</td>
<td>3M™ Cubitron™ II Cut &amp; Grind Wheels</td>
<td>3M™ Cubitron™ II Cut Off Wheels</td>
<td>Scotch-Brite™ Surface Conditioning Discs</td>
</tr>
</tbody>
</table>
Optimized for applications including:
- Beveling
- Blending
- Cutting
- Deburring
- Grinding
- Weld removal

Used in industries such as:
- Agricultural, industrial and construction machinery
- General metal fabrication
- Oil and gas
- Ship building
- Stainless steel fabrication
- Structural steel

The Science of Precision-Shaped 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 abrasive 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.

Experience the power of re-engineered 3M Precision-Shaped Grain: see page 12.
## 3M™ Cubitron™ II Depressed Center Grinding Wheels

**Go the distance.**

3M™ Cubitron™ II Depressed Center Grinding Wheels are fast cutting, long lasting and require less pressure. These cool cutting wheels are ideal for heavy grinding and weld removal. Specially formulated for use on stainless and mild steel. Available with quick change attachment. **DO NOT USE ON TOOLS WITHOUT GUARDS.**

### 3M™ Cubitron™ II Depressed Center Grinding Wheel — T27

<table>
<thead>
<tr>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 × ¼ × ½</td>
<td>05115-78469-9</td>
<td>15,300</td>
<td>10/20</td>
</tr>
<tr>
<td>4 × ½ × ½</td>
<td>05115-78468-2</td>
<td>15,300</td>
<td>10/20</td>
</tr>
<tr>
<td>4½ × ¼ × ¾</td>
<td>05115-78466-8</td>
<td>13,300</td>
<td>10/20</td>
</tr>
<tr>
<td>5 × ⅜ × ⅜</td>
<td>05115-78467-5</td>
<td>12,250</td>
<td>10/20</td>
</tr>
<tr>
<td>6 × ⅜ × ⅜</td>
<td>076308-64314-0</td>
<td>10,200</td>
<td>10/20</td>
</tr>
<tr>
<td>7 × ⅜ × ½</td>
<td>076308-64315-7</td>
<td>8,500</td>
<td>10/20</td>
</tr>
<tr>
<td>9 × ⅜ × ½</td>
<td>076308-64316-4</td>
<td>6,650</td>
<td>10/20</td>
</tr>
</tbody>
</table>

### 3M™ Cubitron™ II Depressed Center Grinding Wheel — T27 Quick Change

<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>4½ × ⅜ × ⅜-11</td>
<td>076308-64320-1</td>
<td>13,300</td>
<td>10/20</td>
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<tr>
<td>5 × ⅜ × ⅜-11</td>
<td>076308-64317-1</td>
<td>12,250</td>
<td>10/20</td>
</tr>
<tr>
<td>6 × ⅜ × ⅜-11</td>
<td>076308-64318-8</td>
<td>10,200</td>
<td>10/20</td>
</tr>
<tr>
<td>7 × ⅜ × ½-11</td>
<td>076308-64319-5</td>
<td>8,500</td>
<td>10/20</td>
</tr>
<tr>
<td>9 × ⅜ × ½-11</td>
<td>051125-87153-2</td>
<td>6,650</td>
<td>10/20</td>
</tr>
</tbody>
</table>
3M™ Silver Depressed Center Grinding Wheels

The next-best thing to a 3M™ Cubitron™ II Wheel.  
*And it still beats the competition, hands down.*

3M Silver Depressed Center Grinding Wheels (DCGW) represent a new class of long-lasting right-angle abrasives – powered by the legendary speed and long life of 3M Precision-Shaped Grain and engineered to offer an outstanding value, when abrasive cost takes precedence over reducing total production time. They are an ideal choice for applications like weld removal, beveling, edge chamfering and more – offering a longer life and faster cut than aluminum oxide, alumina zirconia and conventional ceramic abrasives.

### 3M Silver Depressed Center Grinding Wheel — T27

<table>
<thead>
<tr>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 × 1/4 × ¾</td>
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<tr>
<td>4 × 1/4 × ¾</td>
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<tr>
<td>4 1/4 × 1/4 × ¾</td>
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<td>5 × 1/4 × ¾</td>
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<td>10/20</td>
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<td>6 × 1/4 × ¾</td>
<td>051125-87450-2</td>
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<td>10/20</td>
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<td>10/20</td>
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<tr>
<td>9 × 1/4 × ¾</td>
<td>051125-87452-6</td>
<td>6,650</td>
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### 3M™ Silver Depressed Center Grinding Wheel — T27 Quick Change

<table>
<thead>
<tr>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (inner/Cases)</th>
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</thead>
<tbody>
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<tr>
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<td>7 × 1/4 × 5/8-11</td>
<td>051125-87448-9</td>
<td>8,500</td>
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<tr>
<td>9 × 1/4 × 5/8-11</td>
<td>051125-87449-6</td>
<td>6,650</td>
<td>10/20</td>
</tr>
</tbody>
</table>

What’s the bottom line?  
If you’re looking to optimize productivity, and see the value it brings to shop savings, choose Cubitron II Depressed Center Grinding Wheels.  
- Highest productivity  
- Lowest overall production cost

If your concerns are more cost-driven, try 3M Silver Depressed Center Grinding Wheels as an alternative with excellent performance.  
- High productivity  
- Lowest overall abrasive spend

Not intended for use on aluminum. Please consider using our 3M™ Fibre Disc 787C or 3M™ Cubitron II Flap Disc 967A.
3M™ Cubitron™ II Fibre Discs 982CX Pro

The best just got even better.

Featuring re-engineered 3M Precision-Shaped Grain and a redesigned construction, these fibre discs cut 33% faster and last even longer than our legendary 3M™ Cubitron™ II Fibre Discs 982C. Plus, they cut with less pressure to help reduce operator fatigue. Cubitron II Fibre Discs 982CX Pro are ideal for aggressive medium and high-pressure grinding on carbon steel. Plus, they are contaminant-free and INOX compliant!

3M™ Cubitron™ II Fibre Disc 982CX Pro, Grade 36+

<table>
<thead>
<tr>
<th>UPC</th>
<th>Diameter (inches)</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06-38060-83330-8</td>
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<td>15,000</td>
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<tr>
<td>06-38060-83328-5</td>
<td>4 x ¾</td>
<td>15,000</td>
<td>25/100</td>
</tr>
<tr>
<td>06-38060-83313-1</td>
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<td>06-38060-83315-5</td>
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<td>9 ¼ x ¾</td>
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<td>25/100</td>
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TN Quick Change

<table>
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<tbody>
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<td>12,000</td>
<td>25/100</td>
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<td>7 x ¼-11</td>
<td>8,600</td>
<td>25/100</td>
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GL Quick Change

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<tbody>
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<td>06-38060-83319-3</td>
<td>7 x ⅜-11</td>
<td>8,600</td>
<td>25/100</td>
</tr>
</tbody>
</table>

Tech Tip

Unwanted elements like iron can become embedded in a weld or substrate and weaken the finished product. 3M™ Cubitron™ II Fibre Discs 982CX Pro are contaminant-free and INOX compliant – which is especially important for some shipbuilding and stainless steel vessels, and other applications where weld integrity is critical.
3M™ Cubitron™ II Fibre Discs 982CX Pro

Experience the power of re-engineered 3M Precision-Shaped Grain

We didn’t reinvent the wheel – but we re-engineered our legendary precision-shaped grain to shift productivity into an even higher gear. The new 982CX Pro fibre disc is designed to outperform and outlast original 3M™ Cubitron™ II Fibre Discs, giving you more power than ever before.

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

Cut Rate Comparison (g/Cycle)

<table>
<thead>
<tr>
<th>Material Removed (g)</th>
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</thead>
<tbody>
<tr>
<td>3M™ Cubitron™ II 982CX Pro, grade 36+</td>
</tr>
<tr>
<td>0 5 10 15 20 25</td>
</tr>
</tbody>
</table>

45% Faster cut-rate than Norton BlazeX F970, grade 36
90% Faster cut-rate than Norton Bluefire F826P, grade 36

Material Removed (g)

<table>
<thead>
<tr>
<th>Material Removed (g)</th>
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<tbody>
<tr>
<td>3M™ Cubitron™ II 982CX Pro, grade 36+</td>
</tr>
<tr>
<td>0 500 1000 1500 2000</td>
</tr>
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</table>

45% More material removed than Norton BlazeX F970, grade 36
89% More material removed than Norton Bluefire F826P, grade 36

Results are based on an automated, 16 minute grinding test on 1018 steel using 7 inch 3M™ Cubitron™ II Fibre Discs 982CX Pro, grade 36+ and 7 inch competitive fibre discs, grade 36 with a 3M™ Disc Pad Face Plate Ribbed 80514 on a servo motor. Each cycle consists of 13 seconds of grinding. Error bars represent the 95% confidence interval for the mean.

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

And now, we’ve done it again.

Tech Tip

To optimize abrasive life and productivity, use the new 3M™ Pneumatic Angle Grinder or Pneumatic Sander (page 30) with the new, one-piece 3M™ Disc Back-up Pad, Ribbed, Extra Hard.
3M™ Cubitron™ II Fibre Discs

Legendary power and performance

Cubitron II Fibre Discs are engineered to cut faster, cooler and with less grinding pressure than conventional abrasives. And they are long lasting for increased productivity! Choose Cubitron II Fibre Discs 987C for cool cutting on stainless steel, high-nickel alloys and superalloys. For carbon steel applications, try our Cubitron II Fibre Discs 982C.

### 3M™ Cubitron™ II Fibre Disc 982C for carbon steel

<table>
<thead>
<tr>
<th>Diameter* (inches)</th>
<th>Grade</th>
<th>UPC (051141-)</th>
<th>Max. RPM</th>
<th>Min/Case</th>
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<td>36+</td>
<td>27400-3</td>
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<td>25/100</td>
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<tr>
<td>4½ x TN**</td>
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<td>27631-1</td>
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<tr>
<td>5 x ⅞</td>
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<tr>
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### 3M™ Cubitron™ II Fibre Disc 987C for stainless steel and other heat-sensitive alloys

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<tr>
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<td>6,600</td>
<td>25/100</td>
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*Other sizes available upon request. **Quick Change Tinneman Nut Attachment

3M™ Disc Back-up Pads, Ribbed, Extra Hard provide the firm support required for coarse grade fibre discs in medium to heavy grinding applications. This helps deliver a consistent cut and long abrasive life.
3M™ Fibre Discs 782C and 787C

An unbeatable combination of performance and value.

3M™ Fibre Discs 782C and 787C represent a new class of high-performance, 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 alumina zirconia (AZ) and conventional ceramic abrasives. 3M™ Fibre Disc 782C is an ideal choice for carbon steel. 3M™ Fibre Disc 787C is optimized for stainless steel and non-ferrous metals like aluminum.

### 3M™ Fibre Disc 782C for carbon steel

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**TN Quick Change**

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<td>120+</td>
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<td>120+</td>
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**TN Quick Change**

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<tr>
<td>5 x ½-11**</td>
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<td>8,600</td>
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*Other sizes available upon request. **Quick Change Tinneman Nut Attachment
3M™ Cubitron™ II Flap Discs

The one-step alternative to bonded wheels and fibre discs.

3M™ Cubitron™ II Flap Discs let you breeze through a wide range of tough jobs around the shop, including grinding, weld removal, deburring and more. These smooth-running wheels are designed to cut with less pressure. They include a grinding aid to help maintain cutting efficiency on heat-sensitive metals. And, because they are made with 3M Precision-Shaped Grain, they keep on cutting – long after other flap discs have called it quits!

3M™ Cubitron™ II Flap Discs 967A

Constructed with a poly-cotton backing that exposes fresh mineral as they wear, for a fast, forgiving cut. Perform well on many common applications, offering a great balance of fast cut and long life.

3M™ Cubitron™ II Flap Discs 967A

<table>
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<th>Grade</th>
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<td>55632-1</td>
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<td>7 ¼-11 GIAN</td>
<td>8,600</td>
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EAN 729007-86718-4

More material. Longer life.

Need more cutting power? Go GIANT!

Our Giant flap discs are 25% thicker, for an aggressive cut with added durability and longer life.

For more information, call 1-866-279-1235 to speak with a 3M abrasive expert.
3M™ Cubitron™ II Flap Discs 969F
Featuring a tough polyester backing to hold up under demanding applications like heavy grinding, edge deburring and beveling.

Get top results with 3M™ Cubitron™ II Flap Discs.

Medium duty
- Weld removal
- Scale removal
- Oxide removal
- Surface prep
- Metal dimensioning
- Blending

Heavy duty
- Light cleaning
- Beveling
- Edge deburring
- Aggressive weld removal

Product availability

3M™ Cubitron™ II Flap Discs 969F

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<td>64382-9 40+</td>
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</table>

3M™ Cubitron™ II Flap Discs will often produce a finish equivalent to the next-finer grade of a fibre disc (i.e., a 60-grit flap disc will usually leave a finish similar to an 80-grit fibre disc) – saving you time and finishing steps!
3M™ Flap Discs 769F

Everyday value. Exceptional performance.

These value-priced discs harness the power of 3M Precision-Shaped Grain and the versatility of flap discs, all at a price that’s affordable for everyday use. Get dependable performance with fewer disc changes – and get more work done over the life of your disc.

Product availability

<table>
<thead>
<tr>
<th>UPC</th>
<th>Grade</th>
<th>Diameter x Center Hole (inches)</th>
<th>Max. RPM (MOS)</th>
<th>Qty/Case</th>
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<tbody>
<tr>
<td>05903-6</td>
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Quick Change Hub Attachment

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<th>Max. RPM (MOS)</th>
<th>Qty/Case</th>
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<tr>
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</table>

Improved plastic hub is both rugged and lightweight!

Fibre Discs vs. Depressed Center Grinding Wheel vs. Flap Disc

Life
- Fiber
- Flap
- Bonded

Finish
- Bonded
- Fiber
- Flap

Speed
- Bonded
- Flap
- Fiber
A word about wear.

The life and cut of a flap disc is determined by how quickly the backing wears away to expose new mineral. If it wears too quickly, it can significantly shorten the disc life. But if it doesn't wear properly, the disc might stop cutting altogether. The backing in 3M™ Flap Discs 769F is designed to wear just the right amount to provide consistent cut over a wide range of medium- and heavy-duty applications. Combined with the power of 3M Precision-Shaped Grain, that helps 3M™ Flap Discs 769F outperform the competition – at a value price!

For even faster cut and longer life, try 3M™ Cubitron™ II Flap Discs 967A and 969F. See pages 16-17.

Choose the right flap disc for your job.

Medium duty
- Weld removal
- Scale removal
- Oxide removal
- Surface prep
- Blending
- Light cleaning

Heavy duty
- Beveling
- Edge deburring
- Aggressive weld removal
Cut. Grind. Done.

These versatile wheels are designed to be used both as a depressed center grinding wheel and as a cut-off wheel – making them ideal for cutting, grinding, gouging and more. After 10 minutes of use, they nearly doubled the output of our closest competitor while removing nearly 2x the material.

<table>
<thead>
<tr>
<th>3M™ Cubitron™ II Cut &amp; Grind Wheels — T27</th>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 × ⅛ × ⅜</td>
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<tr>
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<tr>
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<td>4046719-82278-2</td>
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<td>10/20</td>
<td></td>
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<tr>
<td>4¼ × ⅛ × ⅜</td>
<td>4046719-82279-9</td>
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<td>10/20</td>
<td></td>
</tr>
<tr>
<td>6 × ⅛ × ⅜</td>
<td>051141-28758-4</td>
<td>10,200</td>
<td>10/20</td>
<td></td>
</tr>
<tr>
<td>7 × ⅛ × ⅜</td>
<td>051141-28760-7</td>
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<tr>
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<td>6,650</td>
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</table>

<table>
<thead>
<tr>
<th>3M™ Cubitron™ II Cut &amp; Grind Wheels — T27 Quick Change</th>
<th>Diameter × Thickness × Arbor Hole (inches)</th>
<th>UPC</th>
<th>Max. RPM</th>
<th>Quantity (Inner/Case)</th>
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</thead>
<tbody>
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<td>10/20</td>
<td></td>
</tr>
<tr>
<td>5 × ⅛ × ⅞-11</td>
<td>051141-28763-8</td>
<td>12,250</td>
<td>10/20</td>
<td></td>
</tr>
<tr>
<td>6 × ⅛ × ⅞-11</td>
<td>051141-28764-5</td>
<td>10,200</td>
<td>10/20</td>
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</tr>
<tr>
<td>7 × ⅛ × ⅞-11</td>
<td>051141-28765-2</td>
<td>8,500</td>
<td>10/20</td>
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<tr>
<td>9 × ⅛ × ⅞-11</td>
<td>051141-28766-9</td>
<td>6,650</td>
<td>10/20</td>
<td></td>
</tr>
</tbody>
</table>
3M™ Cut & Grind Wheels

Value and versatility.

The newest addition to our Advanced Series of abrasives, 3M Cut & Grind Wheels are designed for use as both depressed center grinding wheels and cut-off wheels, so you can get more done for your dollar.

### 3M™ Cut & Grind Wheels

<table>
<thead>
<tr>
<th>3M™ Cut &amp; Grind Wheel (638060-)</th>
<th>Type</th>
<th>Diameter x Center Hole (inches)</th>
<th>Maximum RPM</th>
<th>Maximum Speed (m/s)</th>
<th>Discs Per Box/Case</th>
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<td>10/20</td>
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<td>T27</td>
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<td>15,300</td>
<td>80</td>
<td>10/20</td>
</tr>
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<td>06461-0</td>
<td>T27</td>
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<td>80</td>
<td>10/20</td>
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<tr>
<td>06462-7</td>
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<td>4½ × ¼ × ¾</td>
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<td>80</td>
<td>10/20</td>
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<td>06463-4</td>
<td>T27</td>
<td>5 × ¼ × ¾</td>
<td>12,500</td>
<td>80</td>
<td>10/20</td>
</tr>
<tr>
<td>06469-6</td>
<td>T27</td>
<td>6 × ¼ × ¾</td>
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<td>80</td>
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### Quick Change Attachment

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<tr>
<th>3M™ Cut &amp; Grind Wheel (638060-)</th>
<th>Type</th>
<th>Diameter x Center Hole (inches)</th>
<th>Maximum RPM</th>
<th>Maximum Speed (m/s)</th>
<th>Discs Per Box/Case</th>
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<tbody>
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<td>06464-1</td>
<td>T27</td>
<td>4 ½ × ¾ × ½-11</td>
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<td>80</td>
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<tr>
<td>06465-8</td>
<td>T27</td>
<td>5 × ¾ × ½-11</td>
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<td>80</td>
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</tr>
<tr>
<td>06466-5</td>
<td>T27</td>
<td>6 × ¾ × ½-11</td>
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<td>80</td>
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<td>06468-9</td>
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<td>9 × ¾ × ½-11</td>
<td>6,650</td>
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</tr>
</tbody>
</table>

### Cut & Grind Wheel Wear Comparison

3M™ Cut & Grind wheels wear less and last longer than the competition!

Internal 3M testing - wheels were tested robotically for 10 min. on 1018 carbon steel.

- 3M™ Cut & Grind
- Flexovit Metalhog
- Dewalt XP Extended Performance (Pipeline)
- Pferd SG-Elastic Pipeline
- Norton Blue Fire
- Sait Z Tech Pipeline

---

Advanced Series
Cut to the chase.

Cubitron II Cut-Off Wheels are designed to provide high cut rates on all types of ferrous metals, stainless steels, alloy steels and cast iron. They offer long life to help reduce cost. Plus, their fast, cool cutting action helps make your job easier!

### 3M™ Cubitron™ II Cut-Off Wheel – T27

<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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<td>5 × .09 × ¼</td>
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<td>7 × .09 × ¼</td>
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### 3M™ Cubitron™ II Cut-Off Wheel – T27 Quick Change

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<td>051115-66542-4</td>
<td>8,500</td>
<td>25/50</td>
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</table>
3M™ Silver Cut-Off Wheels

A cut above the ordinary.

3M™ Silver Cut-Off Wheels are premium performance wheels designed to be affordable for everyday use. Featuring 3M Precision-Shaped Grain technology, these innovative wheels deliver fast, smooth cutting action on all types of ferrous metals, stainless steels and alloy steels. Plus they last longer than 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.

3M™ Silver Cut-Off Wheels – Type 1

<table>
<thead>
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<th>Diameter × Thickness × Arbor Hole (inches)</th>
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3M™ Silver Cut-Off Wheels – Type 27

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<th>UPC</th>
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<th>Quantity (Inner/Case)</th>
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<tbody>
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<td>13,300</td>
<td>25/50</td>
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<tr>
<td>5 × .045 × ⅜</td>
<td>051125-87468-7</td>
<td>12,250</td>
<td>10/20</td>
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<tr>
<td>6 × .045 × ⅜</td>
<td>051125-87470-0</td>
<td>10,200</td>
<td>10/20</td>
</tr>
</tbody>
</table>
For over 50 years, metalworking professionals have trusted Scotch-Brite™ Abrasives for a wide range of cleaning, deburring and finishing applications on all types of metals. Scotch-Brite products feature an open-web construction that resists loading. Scotch-Brite products help you improve surfaces without significantly changing the shape or dimension of the workpiece.
**Fast and Durable**
Long lasting on parts with sharp edges

- Scotch-Brite™ Light Grinding & Blending Discs
- Scotch-Brite™ SE Surface Conditioning Discs
- Scotch-Brite™ Precision Surface Conditioning Disc, XCRS

**Multi-Purpose**
Multipurpose surface conditioning disc

- Precision XCRS
- Precision CRS
- Precision MED
- Precision FIN
- Precision VFN

**TOUGH**
Long lasting on parts with sharp edges

- LGB SD
- LGB HD
- SE CRS
- SE MED
- SE FIN

---

### Load Resistance
Long lasting on flat parts and softer substrates

<table>
<thead>
<tr>
<th>SC CRS</th>
<th>SC MED</th>
<th>SC VFN</th>
</tr>
</thead>
</table>

### Multi-Purpose
Multipurpose surface conditioning disc

<table>
<thead>
<tr>
<th>Precision XCRS</th>
<th>Precision CRS</th>
<th>Precision MED</th>
<th>Precision FIN</th>
<th>Precision VFN</th>
</tr>
</thead>
</table>

### Tough
Long lasting on parts with sharp edges

- LGB SD
- LGB HD
- SE CRS
- SE MED
- SE FIN

---

- **Grind**
- **Deburr & Edge Break**
- **Blend**
- **Refine**
- **Finish**
- **Radius**
- **Clean**
- **Polish**

- **NEW Scotch-Brite™ Precision Surface Conditioning Discs**
- Scotch-Brite™ SC Surface Conditioning Discs
- Scotch-Brite™ SE Surface Conditioning Discs
- Scotch-Brite™ Light Grinding and Blending Discs
FASTER TO THE FINISH

Meet the next advancement in surface conditioning technologies: Scotch-Brite™ Precision Surface Conditioning Discs. This new addition to the Scotch-Brite™ lineup promises the consistency you’ve come to expect with increased cutting speed and longer abrasive life. By combining two flagship 3M technologies — nonwoven fibre and ceramic 3M Precision-Shaped Grain — you can get the ideal finish, faster.

**Tech Tip**
Features 3M Precision-Shaped Grain for improved performance over traditional surface conditioning discs.

**Tech Tip**
Scotch-Brite™ PN-DH Discs medium grade discs finishes 3X as many aluminum parts than Norton Rapid Prep MED and SIA 6270 MED.

**Tech Tip**
Suitable for aluminum and soft metals, carbon steel, stainless steel, and more. See page 36 for Accessories.

**NOTE:** Based on 3M internal testing: 3” discs were tested robotically on 6061 aluminum until the end of life (end of life is determined to be 50% of the averaged cut rate of the first three minutes) using a 3” 3M™ Hard Back-Up, part number: 45091. One part is equivalent to 20 g of material removed.

**NEW!** Scotch-Brite™ Universal Surface Conditioning Back-up Pad
See page 33 for more information.

### Scotch-Brite™ Precision Surface Conditioning Disc – TN Quick Change

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ½ × ¼-11&quot;</td>
<td>61500-40847-3</td>
<td>Very Fine</td>
<td>13,330</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>61500-40848-1</td>
<td>Fine</td>
<td>13,330</td>
<td>50</td>
</tr>
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<td>61500-40849-9</td>
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<td>61500-40850-7</td>
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</tr>
<tr>
<td></td>
<td>61500-40851-5</td>
<td>Extra Coarse</td>
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<td>50</td>
</tr>
<tr>
<td>5 × ¾-11&quot;</td>
<td>61500-40852-3</td>
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<td>12,000</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>61500-40853-1</td>
<td>Fine</td>
<td>12,000</td>
<td>50</td>
</tr>
<tr>
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<td>61500-40854-9</td>
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<td>61500-40855-6</td>
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</tr>
<tr>
<td></td>
<td>61500-40856-4</td>
<td>Extra Coarse</td>
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<td>50</td>
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<tr>
<td>7 × ¾-11&quot;</td>
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<tr>
<td></td>
<td>61500-40858-0</td>
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<td>61500-40861-4</td>
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*Quick-Change Tinnerman Nut (TN) Attachment
### Scotch-Brite™ Precision Surface Conditioning Disc – Center Hole

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ⅞ x 7/8</td>
<td>61500-40770-7</td>
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<td>50</td>
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<tr>
<td></td>
<td>61500-40771-5</td>
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<tr>
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<tr>
<td></td>
<td>61500-40774-9</td>
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<td></td>
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<tr>
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<td>50</td>
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<tr>
<td></td>
<td>61500-40776-4</td>
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<td></td>
<td>61500-40779-8</td>
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<tr>
<td>7 x 7/8</td>
<td>61500-40781-4</td>
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<tr>
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### Scotch-Brite™ Precision Surface Conditioning Disc – No Hole

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
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<tbody>
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<td>50</td>
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<tr>
<td></td>
<td>61500-40796-2</td>
<td>Fine</td>
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<tr>
<td></td>
<td>61500-40797-0</td>
<td>Medium</td>
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<tr>
<td></td>
<td>61500-40798-8</td>
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<tr>
<td></td>
<td>61500-40799-6</td>
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<tr>
<td>5 × NH</td>
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<td></td>
<td>61500-40806-9</td>
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<td>61500-40807-7</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td>61500408192</td>
<td>Extra Coarse</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>
**Tech Tip**

Use for all your general surface conditioning needs. Scotch-Brite SC discs are durable enough for sharp edges, so they are ideal for use on rougher workpieces.

---

**SCOTCH-BRITE™ SURFACE CONDITIONING DISCS (SC)**

**FOR GENERAL PURPOSE BLENDING**

The ideal choice for general purpose surface conditioning, including finishing, cleaning and light deburring. Helps you achieve a consistent, paintable finish in fewer steps without damaging the base material. Durable open-web construction is designed to resist loading and greatly increase the life of the disc — so you don’t have to change discs as often. Easily attaches to and removes from 3M™ Hook-and-Loop Backup Pads.

<table>
<thead>
<tr>
<th>Diameter (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Color</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ¼</td>
<td>14101-5</td>
<td>A CRS</td>
<td>Brown</td>
<td>13,000</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>14100-8</td>
<td>A MED</td>
<td>Maroon</td>
<td>13,000</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>14099-6</td>
<td>A VFN</td>
<td>Blue</td>
<td>13,000</td>
<td>50</td>
</tr>
<tr>
<td>5</td>
<td>00750-2</td>
<td>A CRS</td>
<td>Brown</td>
<td>10,000</td>
<td>25</td>
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<tr>
<td></td>
<td>00643-7</td>
<td>A MED</td>
<td>Maroon</td>
<td>10,000</td>
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<tr>
<td></td>
<td>04303-6</td>
<td>A VFN</td>
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<td>10,000</td>
<td>25</td>
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<tr>
<td>7</td>
<td>00751-9</td>
<td>A CRS</td>
<td>Brown</td>
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<td>25</td>
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<tr>
<td></td>
<td>00645-1</td>
<td>A MED</td>
<td>Maroon</td>
<td>6,000</td>
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<tr>
<td></td>
<td>04305-0</td>
<td>A VFN</td>
<td>Blue</td>
<td>6,000</td>
<td>25</td>
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</table>

**Scotch-Brite™ Surface Conditioning (SC) Disc – Center Hole Disc**

<table>
<thead>
<tr>
<th>Diameter x Center Hole (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
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<td>A CRS</td>
<td>Brown</td>
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<tr>
<td></td>
<td>93146-3</td>
<td>A MED</td>
<td>Maroon</td>
<td>13,300</td>
</tr>
<tr>
<td>5 x ¾</td>
<td>16047-4</td>
<td>A CRS</td>
<td>Brown</td>
<td>12,000</td>
</tr>
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</tr>
<tr>
<td></td>
<td>18618-4</td>
<td>A VFN</td>
<td>Blue</td>
<td>12,000</td>
</tr>
<tr>
<td>7 x ¾</td>
<td>18626-9</td>
<td>A CRS</td>
<td>Brown</td>
<td>8,600</td>
</tr>
<tr>
<td></td>
<td>18624-5</td>
<td>A VFN</td>
<td>Blue</td>
<td>8,600</td>
</tr>
</tbody>
</table>

---

**Tech Tip**

Use a Disc Pad Hub, Disc Pad Face Plate, and Disc Retainer Nut for ultimate disc performance. See page 36 for Accessories, including the NEW Scotch-Brite™ Universal Surface Conditioning Back-up Pad.
SCOTCH-BRITE™ LIGHT GRINDING AND BLENDING DISCS

FOR LIGHT GRINDING AND BLENDING

A durable disc constructed with 3M ceramic aluminum oxide blend abrasive grain, for an aggressive cut, long life and consistent finish. Resistant to edge wear. Ideal for light grinding applications to produce a burr-free and paintable finish.

Scotch-Brite™ Light Grinding & Blending Disc – TN Quick Change

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ¼ × ½-11*</td>
<td>60349-0</td>
<td>A CRS SD</td>
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<tr>
<td></td>
<td>60348-3</td>
<td>A CRS HD</td>
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<td>50</td>
</tr>
<tr>
<td>5 × ¾-11*</td>
<td>60351-3</td>
<td>A CRS SD</td>
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<td>50</td>
</tr>
<tr>
<td></td>
<td>60350-6</td>
<td>A CRS HD</td>
<td>12,000</td>
<td>50</td>
</tr>
<tr>
<td>7 × ¾-11*</td>
<td>60353-7</td>
<td>A CRS SD</td>
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<td>25</td>
</tr>
<tr>
<td></td>
<td>60352-0</td>
<td>A CRS HD</td>
<td>8,600</td>
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</table>

*Quick Change Tinneman Nut Attachment

Scotch-Brite™ Light Grinding & Blending Disc – Center Hole Disc

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
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<td>60333-9†</td>
<td>A CRS SD</td>
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</tr>
<tr>
<td></td>
<td>60332-2†</td>
<td>A CRS HD</td>
<td>10,000</td>
<td>50</td>
</tr>
<tr>
<td>5 × ¾</td>
<td>60341-4</td>
<td>A CRS SD</td>
<td>10,000</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>60336-0</td>
<td>A CRS HD</td>
<td>10,000</td>
<td>50</td>
</tr>
<tr>
<td>7 × ¾</td>
<td>60344-5</td>
<td>A CRS SD</td>
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<tr>
<td></td>
<td>60347-6</td>
<td>A CRS HD</td>
<td>6,000</td>
<td>25</td>
</tr>
</tbody>
</table>

† Made-to-Order

SD = Super Duty   HD = Heavy Duty

Tech Tip

Use for light stock removal and aggressive blending operations.

Tech Tip

2-Step Weld Removal & Prep for Paint

STEP 1: Remove the weld with 3M™ Cubitron™ II Fibre Disc 982CX Pro grade 36+

STEP 2: Finish with Scotch-Brite LGB SD Disc

READY FOR PAINT (>3 mil)

NOTE: For best results, use with red (extra hard) or black (hard) 3M™ Disc Face Plates.

Tech Tip

To optimize abrasive life and performance, use the convenient one-piece 3M™ Disc Back-up Pad, Ribbed, Extra Hard. See page 36 for Accessories.
**Scotch-Brite™ SE Surface Conditioning Disc**

Scotch-Brite™ SE Surface Conditioning Discs combine an aggressive, non-woven disc to perform heavy-duty deburring and finishing with the efficiency of a hook and loop attachment system. Our heavy-duty non-woven fiber construction conforms well to help preserve edges as well as irregular or contoured surfaces.

### Scotch-Brite™ SE Surface Conditioning Disc

<table>
<thead>
<tr>
<th>Diameter (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Color</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ½</td>
<td>18079-3</td>
<td>A CRS</td>
<td>Brown</td>
<td>13,000</td>
<td>50</td>
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<tr>
<td></td>
<td>18476-0</td>
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<td>13,000</td>
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</tr>
<tr>
<td>5</td>
<td>18080-9</td>
<td>A CRS</td>
<td>Brown</td>
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<tr>
<td></td>
<td>18919-2†</td>
<td>A MED</td>
<td>Red</td>
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</tr>
<tr>
<td>7</td>
<td>17866-0</td>
<td>A CRS</td>
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<td>6,000</td>
<td>25</td>
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<tr>
<td></td>
<td>18477-7</td>
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<td>Red</td>
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<td>25</td>
</tr>
<tr>
<td></td>
<td>30003-0†</td>
<td>A FIN</td>
<td>Green</td>
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</table>

*Made-to-Order

### Scotch-Brite™ SE Surface Conditioning Disc – Center Hole Disc

<table>
<thead>
<tr>
<th>Diameter × Center Hole (inches)</th>
<th>UPC (048011-)</th>
<th>Grade</th>
<th>Color</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
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<tbody>
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<td>A CRS</td>
<td>Brown</td>
<td>13,000</td>
<td>50</td>
</tr>
<tr>
<td>5 × 7/8</td>
<td>18947-5</td>
<td>A MED</td>
<td>Red</td>
<td>10,000</td>
<td>50</td>
</tr>
<tr>
<td>5 × 7/8</td>
<td>18953-6</td>
<td>A CRS</td>
<td>Brown</td>
<td>10,000</td>
<td>50</td>
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<tr>
<td>7 × 7/8</td>
<td>18951-2</td>
<td>A CRS</td>
<td>Brown</td>
<td>6,000</td>
<td>25</td>
</tr>
</tbody>
</table>

**Tech Tip**

3M™ Hookit™ attachment system offers quick and easy disc change-out for multi-step finishing processes.

**Tech Tip**

Use a disc pad hub, disc pad face plate, and disc retainer but for ultimate disc performance. See page 36 for accessories.
SCOTCH-BRITE™ CLEAN AND STRIP XT PRO DISCS

SPEED WITHOUT COMPROMISE.

Upgrade to the Scotch-Brite™ Clean and Strip XT Pro or XT Pro Extra Cut for rust and coating removal. Delivering the uncompromising results metalworkers have come to expect from Scotch-Brite™ Clean and Strip discs, with a faster speed rating, convenient quick-change threaded hub and extended life.

Scotch-Brite™ Clean & Strip XT Pro Disc

<table>
<thead>
<tr>
<th>Diameter x Center Hole (inches)</th>
<th>UPC</th>
<th>Type</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ¼ x 5/8</td>
<td>0 06 38060 05574 8</td>
<td>Type 27 Quick Change</td>
<td>S XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>4 ¼ x 7/8</td>
<td>0 06 38060 05586 1</td>
<td>Type 27</td>
<td>S XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>4 ¼ x 5/8-11</td>
<td>0 06 38060 05588 5</td>
<td>TN Quick Change</td>
<td>S XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>7 x ¼</td>
<td>0 06 38060 05587 8</td>
<td>Type 27</td>
<td>S XCS</td>
<td>8,600</td>
<td>5</td>
</tr>
<tr>
<td>7 x 3/4-11</td>
<td>0 00 76308 45481 4</td>
<td>Type 27 Quick Change</td>
<td>S XCS</td>
<td>8,600</td>
<td>5</td>
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Scotch-Brite™ Roloc™ Clean & Strip XT Pro Disc

<table>
<thead>
<tr>
<th>Diameter x Center Hole (inches)</th>
<th>UPC</th>
<th>Type</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x NH</td>
<td>0 06 38060 21540 1</td>
<td>TR</td>
<td>S XCS</td>
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Scotch-Brite™ Clean & Strip XT Pro Extra Cut Disc

<table>
<thead>
<tr>
<th>Diameter x Center Hole (inches)</th>
<th>UPC</th>
<th>Type</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ¼ x 5/8</td>
<td>0 06 38060 21050 5</td>
<td>Type 27 Quick Change</td>
<td>A XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>4 ¼ x 7/8</td>
<td>0 06 38060 21032 1</td>
<td>Type 27</td>
<td>A XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>4 ¼ x 5/8-11</td>
<td>0 06 38060 21037 6</td>
<td>TN Quick Change</td>
<td>A XCS</td>
<td>13,300</td>
<td>10</td>
</tr>
<tr>
<td>7 x ¾</td>
<td>0 06 38060 21055 0</td>
<td>Type 27 Quick Change</td>
<td>A XCS</td>
<td>8,600</td>
<td>5</td>
</tr>
<tr>
<td>7 x 3/4-11</td>
<td>0 06 38060 21036 9</td>
<td>Type 27</td>
<td>A XCS</td>
<td>8,600</td>
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Scotch-Brite™ Roloc™ Clean & Strip XT Pro Extra Cut Disc

<table>
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<tr>
<th>Diameter x Center Hole (inches)</th>
<th>UPC</th>
<th>Type</th>
<th>Grade</th>
<th>Max. RPM</th>
<th>Qty/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x NH</td>
<td>0 06 38060 21544 9</td>
<td>TR</td>
<td>A XCS</td>
<td>15,000</td>
<td>10</td>
</tr>
</tbody>
</table>

*Quick Change Tinneman Nut Attachment

Choose the disc that’s right for you:

**XT Pro**

- Rust, paint, light mill scale removal
- Maintains workpiece shape
- Low sparking
- Ideal for surface prep
- Made with silicon carbide mineral

**BOTH**

- Rapid coating removal and surface prep
- Decreased chunking – extended life
- Highly conformable
- High speed rating
- Quick-change, spin-on thread

**XT Pro Extra Cut**

- Heavy rust and rust pit removal without leaving divots
- Thick paint and coating removal
- Weld refinement and removing weld discoloration
- Cuts to bare metal quickly
- Ideal for adhesion prep
- Made with aluminum oxide mineral
Abrasive Automation Within Arm’s reach

Automating your abrasive process may be easier than you think – with the help of 3M’s dedicated team of global application engineers, a robust network of system integrators and robotic partners, as well as abrasives that are ideal for robotic application. No matter where you are in your automation journey, our experts are here to help.

Contact your 3M representative to learn more.

Learn more at www.3M.com/Robotics
Meet more 3M abrasive solutions:

**NEW!**

**Scotch-Brite™ Universal Surface Conditioning Back-up Pad**

Featuring a secure, dual-lock attachment, a lower profile and a higher maximum operating speed. The Scotch-Brite Universal Back Up Pad can be run with Hook & Loop discs, No Hole discs and Center Hole discs. It offers improved centering, and comes packaged with everything you need for quick and easy tool attachment, including three attachment nuts (5/8-11, M14, M10) and an optional snap-in center post.

<table>
<thead>
<tr>
<th>Product Name</th>
<th>UPC</th>
<th>Description</th>
<th>Max. RPM</th>
<th>For Use With</th>
<th>Min/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scotch-Brite™ Universal Back Up Pad (multi-attachment)</td>
<td>89869</td>
<td>4 in. (100 mm)</td>
<td>15,000</td>
<td>Scotch-Brite™ Universal Surface Conditioning Back-Up Pad</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>89871</td>
<td>5 in. (125 mm)</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>89870</td>
<td>4.5 in (115 mm)</td>
<td>13,300</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Scotch-Brite Hand Pads give you a fast, consistent scuff for everyday surface preparation. Ideal for cleaning parts, deburring, hand blending and scuffing prior to painting. A great alternative to steel wool – no rust or splintering! Hand Pads 7447 PRO and 7448 PRO feature more durable construction, for longer life, and tightly graded abrasive particles for a consistent, uniform scratch throughout the life of the pad.

<table>
<thead>
<tr>
<th>Product</th>
<th>UPC (048011-)</th>
<th>W × L (inches)</th>
<th>Grade</th>
<th>Color</th>
<th>Qty/Case</th>
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</thead>
<tbody>
<tr>
<td>7447 PRO</td>
<td>64926-9</td>
<td>6 × 9 Perforated</td>
<td>AVFN</td>
<td>Maroon</td>
<td>60</td>
</tr>
<tr>
<td>7448 PRO</td>
<td>64935-1</td>
<td>6 × 9 Perforated</td>
<td>S ULF</td>
<td>Gray</td>
<td>60</td>
</tr>
</tbody>
</table>
NEW!

3M™ Pneumatic Power Tools

These new 1.5HP tools are engineered to help optimize the life, cut rate and consistency of fibre discs and other 3M abrasives. Designed with the operator in mind, they are easy to use and feature a robust construction for superior durability.

3M™ 1 HP Power Tools for Right-Angle Systems

These 1 HP power tools feature heavy-duty gear sets requiring no maintenance or lubrication. They are also engineered with a new sealed design that keeps external contaminants out and lubrication in.

3M™ Power Tools and Accessories

3M™ Pneumatic Angle Grinder
06-38060-88566-6

3M™ Pneumatic Sander
06-38060-88577-2

3M™ Grinder 28405*
051141-28405-7

3M™ Grinder 28403*
051141-28403-3

3M™ Grinder 28405*
051141-28405-7

Power Tool and Accessory Assembly

- 3M™ Disc Pad Hub
- 3M™ Disc Pad Face Plate
- 3M™ Fibre Disc
- 3M™ Disc Retainer Nut
3M™ 1-HP Power Tools for Right-Angle Systems

3M™ Cut-Off Wheel Tool 20233
051141-20233-4

3M™ Cut-Off Wheel Tool 28771
051141-28771-3

For 3M™ Power Tool Warranty and Repair Service, call 1-800-362-3550.
This service is only valid in the United States.
## Accessories for 3M™ Right-Angle Systems

<table>
<thead>
<tr>
<th>Product Name</th>
<th>UPC</th>
<th>Description</th>
<th>Max. RPM</th>
<th>For Use With</th>
<th>Min/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Disc Back-up Pad, Ribbed, Extra Hard</td>
<td>38060-88656-7</td>
<td>4 ½”</td>
<td>13,300</td>
<td>Fibre Discs and Scotch-Brite™ Surface Conditioning Discs</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>38060-88656-4</td>
<td>5”</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>38060-88657-1</td>
<td>7”</td>
<td>8,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3M™ Disc Back-up Pad Mounting Kit*</td>
<td>38060-88968-8</td>
<td>*Includes 3M™ Retainer Nut PN 02618, 3/16” PG Wheel Spacer and 1/8” Spacer.</td>
<td>NA</td>
<td>3M™ Disc Back-up Pads. (Not required if using the 3M™ Pneumatic Angle Grinder or 3M™ Pneumatic Sander)</td>
<td>1</td>
</tr>
<tr>
<td>3M™ Disc Hub - Low Profile</td>
<td>051141-28476-7</td>
<td>2 ½” dia., ½-11”</td>
<td>N/A</td>
<td>3M™ Disc Pad Face Plates (all sizes, tool shaft length ½” or less)</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>051144-88743-9</td>
<td>2 1/2” dia., 5/8-11” Metal Insert</td>
<td>N/A</td>
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</tr>
<tr>
<td>3M™ Disc Pad Face Plates</td>
<td>051141-28443-9</td>
<td>4 ½” dia., Red, Ribbed, Extra Hard</td>
<td>13,300</td>
<td>Fibre Discs and Scotch-Brite™ Surface Conditioning Discs</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>051141-14270-5</td>
<td>4 ½” dia., Black, Smooth, Hard</td>
<td>13,300</td>
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<tr>
<td></td>
<td>051144-81732-0</td>
<td>5” dia., Red, Ribbed, Extra Hard</td>
<td>12,000</td>
<td></td>
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<tr>
<td></td>
<td>051144-81733-7</td>
<td>5” dia., Black, Ribbed, Hard</td>
<td>12,000</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>051144-80514-3</td>
<td>7” dia., Red, Ribbed, Extra Hard</td>
<td>8,600</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>051144-80515-0</td>
<td>7” dia., Black, Ribbed, Hard</td>
<td>8,600</td>
<td></td>
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<tr>
<td>3M™ Disc Retainer Nuts</td>
<td>051111-51047-6</td>
<td>½” Depth; ½-11” Thread</td>
<td>N/A</td>
<td>3M™ Disc Pad Face Plates and Disc Pad Hubs</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>051144-05622-4</td>
<td>½” Depth; ½-11” Thread</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3M™ TN Quick Change Disc Backup Pad</td>
<td>051111-56573-5</td>
<td>4 ½” dia., ½-11” INT</td>
<td>13,300</td>
<td>4 ½” TN Discs</td>
<td>5</td>
</tr>
<tr>
<td>3M™ Hook-and-Loop Disc Pad Holders</td>
<td>051141-20245-7</td>
<td>7” dia., ½” Center Post; ½-11” INT</td>
<td>8,500</td>
<td>Scotch-Brite™ Light Grinding and Blending Disc Accessories</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>048011-14111-4</td>
<td>4 ½” dia., ¼” Center Hole; ¼” Thick., ½-11” INT, Firm</td>
<td>13,000</td>
<td>Scotch-Brite™ Surface Conditioning Discs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>048011-05680-7</td>
<td>5” dia., ¼” Center Hole; ¼” Thick., ½-11” INT, Firm</td>
<td>10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>048011-09450-2</td>
<td>7” dia., ¼” Center Hole; ½” Thick., ½-11” INT, Med.</td>
<td>6,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3M™ Hook &amp; Loop Disc Pad Holder CP (Center Post)</td>
<td>051141-28892-5</td>
<td>4” dia., ½” Center Post, ½-11” INT</td>
<td>15,000</td>
<td>Scotch-Brite™ Surface Conditioning Discs</td>
<td>1/5</td>
</tr>
<tr>
<td></td>
<td>051141-28891-8</td>
<td>4 ½” dia., ½” Center Post, ½-11” INT</td>
<td>13,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>051141-28890-1</td>
<td>5” dia., ½” Center Post, ½-11” INT</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>051141-28888-8</td>
<td>7” dia., ½” Center Post, ½-11” INT</td>
<td>8,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scotch-Brite™ Universal Back Up Pad (multi-attachment)</td>
<td>89869</td>
<td>4 in. (100 mm)</td>
<td>15,000</td>
<td>Scotch-Brite™ Universal Surface Conditioning Back-Up Pad</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>89871</td>
<td>5 in. (125 mm)</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>89870</td>
<td>4.5 in (115 mm)</td>
<td>13,300</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Since its beginnings in 1902, 3M has been committed to the abrasives business. Today, our line of coated abrasives, surface conditioning products and technically-enhanced power tools help metalworking businesses around the world improve performance and productivity.

No matter how tough the job, there’s a 3M product to help you get it done right – and a 3M Abrasives Expert to help you find the best fit for your application.

Ask an expert:
1-866-279-1235
3M.com/metalworking
<table>
<thead>
<tr>
<th>Product</th>
<th>Contents</th>
<th>Packaging</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3M™ Cubitron™ II Flap Disc 967A T27, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ⅜ in. Grade 40+</td>
<td>10/case</td>
<td>051125-86855-6</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Flap Disc 969F T27, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. Grade 40+</td>
<td>10/case</td>
<td>051125-87258-4</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Fibre Disc 982CX Pro, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾-11 Grade 40+</td>
<td>10/case</td>
<td>06-38060-88564-2</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Fibre Disc 982CX Pro, 7 in.</strong></td>
<td>1 Disc 7 in. × ¾-11 Grade 40+</td>
<td>10/case</td>
<td>06-38060-88565-9</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Fibre Disc 982C, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. Grade 36+</td>
<td>10/case</td>
<td>051125-86942-3</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Disc TN Quick Change 982C, 7 in.</strong></td>
<td>1 Disc 7 in. Grade 36+</td>
<td>10/case</td>
<td>051125-87259-1</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Depressed Center Grinding Wheel T27, 4.5 in. - with hub</strong></td>
<td>1 Disc 4-½ in. × ⅜ in. × ¾-11</td>
<td>10/case</td>
<td>051125-87208-9</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Depressed Center Grinding Wheel T27, 4.5 in. - no hub</strong></td>
<td>1 Disc 4-½ in. × ¾ in. × ¾ in.</td>
<td>10/case</td>
<td>051125-87209-6</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Depressed Center Grinding Wheel T27, 7 in.</strong></td>
<td>1 Disc 7 in. × ¾ in. × ¾ in.</td>
<td>10/case</td>
<td>051125-87206-5</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Cut-Off Wheel T27, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. Grade 36</td>
<td>10/case</td>
<td>048011-64999-3</td>
</tr>
<tr>
<td><strong>3M™ Cubitron™ II Cut-Off Wheel T27, 6 in.</strong></td>
<td>1 Disc 6 in. × ¾ in. Grade 36</td>
<td>10/case</td>
<td>051125-87152-5</td>
</tr>
<tr>
<td><strong>3M™ Silver Cut-Off Wheel T27, 6 in.</strong></td>
<td>1 Disc 6 in. × ¾ in.</td>
<td>10/case</td>
<td>076308-44539-3</td>
</tr>
<tr>
<td><strong>3M™ Silver Cut-Off Wheel T27, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. Grade 36</td>
<td>10/case</td>
<td>051125-87660-5</td>
</tr>
<tr>
<td><strong>3M™ Silver Depressed Center Grinding Wheel T27 with Quick Change Hub, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. × ¾-11 in.</td>
<td>10/case</td>
<td>051125-87661-2</td>
</tr>
<tr>
<td><strong>3M™ Silver Depressed Center Grinding Wheel T27, 4.5 in.</strong></td>
<td>1 Disc 4-½ in. × ¾ in. Grade 36</td>
<td>10/case</td>
<td>076308-44538-6</td>
</tr>
<tr>
<td><strong>3M™ Cut &amp; Grind Wheel</strong></td>
<td>1 Disc 4-½ in. × ¾ in. × ¾-11 in.</td>
<td>10/case</td>
<td>638060-75819-9</td>
</tr>
<tr>
<td>Product</td>
<td>Contents</td>
<td>Packaging</td>
<td>UPC</td>
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</tr>
<tr>
<td>3M™ Fibre Disc 782C, 4.5 in.</td>
<td>1 Disc 4-1/2 in. × 7/8 in. Grade 36+</td>
<td>10/case</td>
<td>051125-87254-6</td>
</tr>
<tr>
<td>3M™ Fibre Disc 782C, 7 in.</td>
<td>1 Disc 7 in. × 7/8 in. Grade 36+</td>
<td>10/case</td>
<td>051125-87255-3</td>
</tr>
<tr>
<td>3M™ Flap Disc 769F</td>
<td>1 Disc 4-1/4 in. × 7/8 in.</td>
<td>10/case</td>
<td>638060-29883-1</td>
</tr>
<tr>
<td>Scotch-Brite™ Roloc™ + Clean and Strip XT Pro Extra Cut Disc, TR+</td>
<td>1 Disc 4 in. × 1/2 in. A Extra Coarse</td>
<td>10/case</td>
<td>638060-29917-3</td>
</tr>
<tr>
<td>Scotch-Brite™ Roloc™ + Clean and Strip XT Pro Disc TR+</td>
<td>1 Disc 4 in. × 1/2 in. S Extra Coarse</td>
<td>10/case</td>
<td>638060-29911-1</td>
</tr>
<tr>
<td>Scotch-Brite™ Clean and Strip XT Pro Disc, Type 27 QC</td>
<td>1 Disc 4-1/2 in. × 7/8 - 11 in. S Extra Coarse</td>
<td>10/case</td>
<td>638060-29900-5</td>
</tr>
<tr>
<td>Scotch-Brite™ Light Grinding &amp; Blending Disc TN QC, 4.5 in.</td>
<td>1 Disc 4-1/2 in. × NH A Coarse</td>
<td>10/case</td>
<td>048011-65000-5</td>
</tr>
<tr>
<td>Scotch-Brite™ Light Grinding &amp; Blending Disc TN QC, 7 in.</td>
<td>1 Disc 7 in. × NH Super Duty A Coarse</td>
<td>10/case</td>
<td>076308-77124-9</td>
</tr>
<tr>
<td>Scotch-Brite™ Precision Surface Conditioning TN Quick Change Disc</td>
<td>Trial Pack 4-1/2 in. Medium</td>
<td>10/case</td>
<td>61500-33563-5</td>
</tr>
<tr>
<td>Scotch-Brite™ Precision Surface Conditioning TN Quick Change Disc,</td>
<td>Trial Pack 4-1/2 in. Coarse</td>
<td>10/case</td>
<td>61500-33562-7</td>
</tr>
<tr>
<td>Scotch-Brite™ Roloc™ Precision Surface Conditioning Disc</td>
<td>Multi Pack 3 in.</td>
<td>10/case</td>
<td>61500-33570-0</td>
</tr>
<tr>
<td>Scotch-Brite™ Roloc™ Precision Surface Conditioning Disc</td>
<td>Multi Pack 2 in.</td>
<td>10/case</td>
<td>61500-33571-8</td>
</tr>
</tbody>
</table>
Call to speak with a 3M abrasives expert: 1-866-279-1235

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