Non-woven right angle discs have three components: strong synthetic fiber mesh and quality abrasives, bonded together by a smear-resistant adhesive. Rapid Strip discs have an open web construction that enables aggressive cutting action while inherently maintaining a cool, non-loading surface. Rapid Finish discs have a very tight unitized construction for deburring and finishing. Rapid Prep and Surface Preparation discs have a more open weave that excels in preparation and cleaning of a surface. Each product provides excellent cutting action while improving surface finish.

The non-woven web is attached to a fiberglass backing plate (Rapid Strip/Rapid Finish/Rapid Prep depressed center wheels) for direct mounting or onto a woven substrate backing (Surface Prep discs) for mounting on a rubber back-up pad.

APPLICATIONS: Medium-to-light material removal, deburring, blending, cleaning, finishing, and polishing

SIZE RANGE: 4-1/2" - 7" / 7/8" plain hole or 5/8"-11 discard mount

GRIT RANGE: X-Coarse, Coarse, Medium, Fine, Very Fine

ABRASIVE GRAIN: Ceramic Alumins, Silicon Carbide, Aluminum Oxide

BACKING PLATE: Fiberglass (Rapid Strip, Rapid Finish and Rapid Prep)

BACK-UP PAD: Rubber (Surface Prep)

WHY CHOOSE NON-WOVEN RIGHT ANGLE DISCS?

Non-Woven Right Angle Discs vs. Fiber Discs, Wire Wheels, and Depressed Center Wheels

- Deburring, blending and finishing done with one product to reduce the number of steps
- To provide a controlled, sustained finish
- To prevent undercutting and gouging
- To provide a cooler grinding action to lessen the chance of warping or discoloration
- When loading is an issue with fiberglass, adhesives and soft metals
- For stripping coatings and paint off of hard materials like concrete, cement and stone
- Less vibration and quieter for high operator acceptance
- To provide a safe alternative to wire brushes

MATERIAL/APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

<table>
<thead>
<tr>
<th>BEST</th>
<th>HIGHEST PRODUCTIVITY</th>
<th>LOWEST TOTAL COST</th>
<th>BETTER</th>
<th>EXCELLENT BLEND OF PERFORMANCE &amp; PRICE</th>
<th>GOOD</th>
<th>CONSISTENT PERFORMANCE LOW INITIAL PRICE</th>
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<tbody>
<tr>
<td>Cleaning and prepping welds</td>
<td>Blaze Rapid Strip Ceramic X/Crse</td>
<td>AVOS Surface Prep A/O Medium</td>
<td>Blaze Rapid Strip Ceramic X/Crse</td>
<td>AVOS Surface Prep A/O Medium</td>
<td>Rapid Finish A/O Fine</td>
<td>Surface Prep A/O Medium</td>
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<tr>
<td>Final finishing/polishing where high conformability is needed</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Abrasive Brush</td>
<td></td>
</tr>
</tbody>
</table>
## Application/Product Recommendation Guide

### Type 27 Discs

|---------------|-------------------|-------------------------|---------------------|-------------------------|------------------------|------------|-----------------------------|----------------|

### Scale Removal
- **Best Choice**: Blaze Rapid Strip
- **Second Choice**: Rapid Strip, PowerStrip

### Stock Removal
- **Best Choice**: Blaze Rapid Strip
- **Second Choice**: Rapid Strip, PowerStrip

### Heavy Deburring
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Light Deburring
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Light Finishing
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Blending
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Finishing
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Polishing
- **Second Choice**: Blaze Rapid Strip
- **Best Choice**: Rapid Strip, PowerStrip

### Cross Reference Guide

#### Stripping
- **Extra Coarse**: Blaze Rapid Strip
- **Best**: Blaze Rapid Strip
- **Better**: Rapid Strip
- **Good**: Surfacing Prep

#### Surface Finishing
- **Coarse – Medium – Fine**: Blaze Rapid Strip
- **Best**: Blaze Rapid Strip
- **Better**: Surfacing Prep
- **Good**: Abrasive Brush

#### Surface Prep
- **Very Fine**: Blaze Rapid Strip
- **Best**: Blaze Rapid Strip
- **Good**: Abrasive Brush

#### Machines Used
- **Application/Product Recommendation Guide**: Blaze Rapid Strip Type 27 Depressed Center Discs
- **Strip/blending cast iron, steels, aluminum, fiberglass and composites**

- **Heavy coating of easily identifiable, orange-colored Norton SG Blaze ceramic alumina long-lasting grain and advanced resin bond**
- **2X as substantial as competitive discs; lasts 2X (plus) as long**
- **Will not shed on heavily rust-encrusted pieces**
- **Extremely versatile; use one disc; stiff enough to stand abuse, but soft enough to prevent gouging and rework**
- **Use on edge for blending weld root forms**
- **Apply some pressure to strip-remove coatings; lighter pressure finishes like a surface finishing disc**
- **Fewer safety, ergonomic, and environmental issues due to fewer change-outs, less downtime, and less production waste/landfill scrap**
- **Open structure; will not load on sticky coatings, adhesives, and soft metals (e.g. aluminum), or snag and shed like a lantuk or fiber disc**
## RAPID STRIP NON-WOVEN DEPRESSED CENTER DISCS – TYPE 27
**BETTER CHOICE FOR QUICK AND EASY ROUGH CLEANING AND STRIPPING OF ALL MATERIALS**

### FEATURES
- Thick, strong, synthetic fibers and extra coarse silicon carbide abrasive bonded with a durable, smear-resistant adhesive
- Open web construction

### BENEFITS
- Aggressive cutting, cleaning and stripping of all materials
- Minimizes loading

### SIZE (D X H) MAX. RPM STD. PKG. PART NO. PART NO. PART NO. PART NO. PART NO.

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. RPM</th>
<th>Std. PKG.</th>
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<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
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### VORTEX RAPID FINISH DEPRESSED CENTER DISCS – TYPE 27
**REVOLUTIONARY TECHNOLOGY FOR HEAVY DEBURRING AND FINISHING**

### FEATURES
- High-performance engineered abrasive
- New bond technology
- Controlled porosity

### BENEFITS
- Aggressive, fast stock removal cut rate while providing a fine finish
- Twice the wheel life over conventional unified wheels, with minimal shedding
- Consistent performance with no smearing
- Cooler and improved cut rate

### SIZE (D X H) MAX. RPM STD. PKG. PART NO. PART NO. PART NO. PART NO. PART NO.

<table>
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<tr>
<th>Size</th>
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<th>Part No.</th>
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</table>
NON-WOVEN RIGHT ANGLE DISCS

FEATURES BENEFITS

- Patented hole design  - Allows interrupted cut which reduces heat up to 30% over standard surface preparation discs
- Cool cutting results in longer disc life  - Provides complete vision into the grinding zone
- Operators can grind more accurately with less re-work

- Scooped holes  - Create air flow to pull loose abrasive and swarf away from work surface grinding zone – resulting in extended disc life

- 15 degree angle back-up pad  - Grinding at 5°-15° angle allows greater utilization of disc surface
- Eliminates gouging of workpiece

SIZE (D X H) MAX. RPM STD. PKG. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO.
4-1/2” 40 66261010447 66261010448 66261010449 66254473868 66254473867
5” 40 66261009427 66261009428 66261009429 66261008293 66261017123 66254469077
7” 40 66261009430 66261009431 66261009432 66261008953 66254473870 66261069358

AVOS SURFACE PREP SPEED-LOK DISCS

BETTER CHOICE FOR LIGHT DEBURRING, CLEANING AND FINISHING

FEATURES BENEFITS

- Patented hole design  - Allows interrupted cut which reduces heat up to 30% over standard surface preparation discs
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SIZE (D X H) STD. PKG. PART NO. PART NO. PART NO. PART NO. PART NO. PART NO.
4-1/2” 5 66254473868 66254473867 66254473869 66254473870 66261069358
5” 5 66254473869 66254473870 66261069358 66254473871 66254473872
7” 5 66254473871 66254473872 66261069358 66254473873 66254473874

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TIER: BETTER BETTER BETTER GOOD GOOD GOOD
TRADENAME: AVOS SURFACE PREP AVOS SURFACE PREP AVOS SURFACE PREP SURFACE PREP SURFACE PREP SURFACE PREP
ABRASIVE: Aluminum Oxide Aluminum Oxide Aluminum Oxide Aluminum Oxide Aluminum Oxide Aluminum Oxide
GRT SIZE: 60-80 150-180 320-400 60-80 150-180 320-400
GRADE: Speed-Lok Speed-Lok Speed-Lok Coarse Medium Very Fine Coarse Medium Very Fine
ATTACHMENT: Speed-Lok Speed-Lok Speed-Lok 7/8” Hole 7/8” Hole 7/8” Hole

AVOS SPEED-LOK BACK-UP PADS

DESCRIPTION MAX. RPM STD. PKG. PART NO.
4-1/2” x 5/8-11 (triangular) 13,000 5 63642502985
5 x 3/8-24 Pistol Grip* (triangular) 20,000 5 63642503029
5 x 5/8-11 (triangular) 13,000 5 63642502517
5 x 7/16-20 Pistol Grip* (triangular) 20,000 5 63642503030
7 x 5/8-11 Medium (round) 8,600 5 63642504874

* USE ON AIR PNEUMATIC AND HIGH-SPEED PISTOL GRIP SANDERS.

NON-WOVEN ABRASIVE BRUSHES – TYPE 27

USE WHERE MAXIMUM CONFORMABILITY IS NEEDED

FEATURES BENEFITS

- Feature tough, flexible nylon filaments embedded with abrasive grain  - Provide finishing and polishing where maximum conformability is needed

AVAILABILITY TIER: GOOD GOOD
BRAND: Norton Norton
TRADENAME: ABRASIVE BRUSH ABRASIVE BRUSH
ABRASIVE: Aluminum Oxide Aluminum Oxide
GRT SIZE: 80 120
GRADE: Fine Very Fine
BACK-UP PAD: Rubber Back-up Pad Rubber Back-up Pad

USE WITH AIR-COOLED RUBBER BACK-UP PAD AND RETAINER NUT

AVAILABILITY SIZE (D X H) MAX. RPM STD. PKG. PART NO. PART NO.
7 x 1 x 7/8 6,000 5 66261058830 66261058834

SURFACE PREP DISC AND ABRASIVE BRUSH BACK-UP PADS

AVAILABILITY SIZE (D X H) MAX. RPM STD. PKG. PART NO. PART NO.
4-1/2” Medium 11,000 5 63642502122
5” Medium 10,000 5 63642543421
7” Medium 8,600 5 63642543422
#103 Retainer Nut 10 63642543463